

Compare Scenarios 2

2024-02-04

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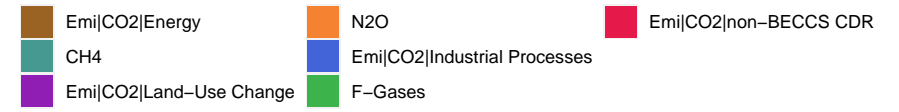
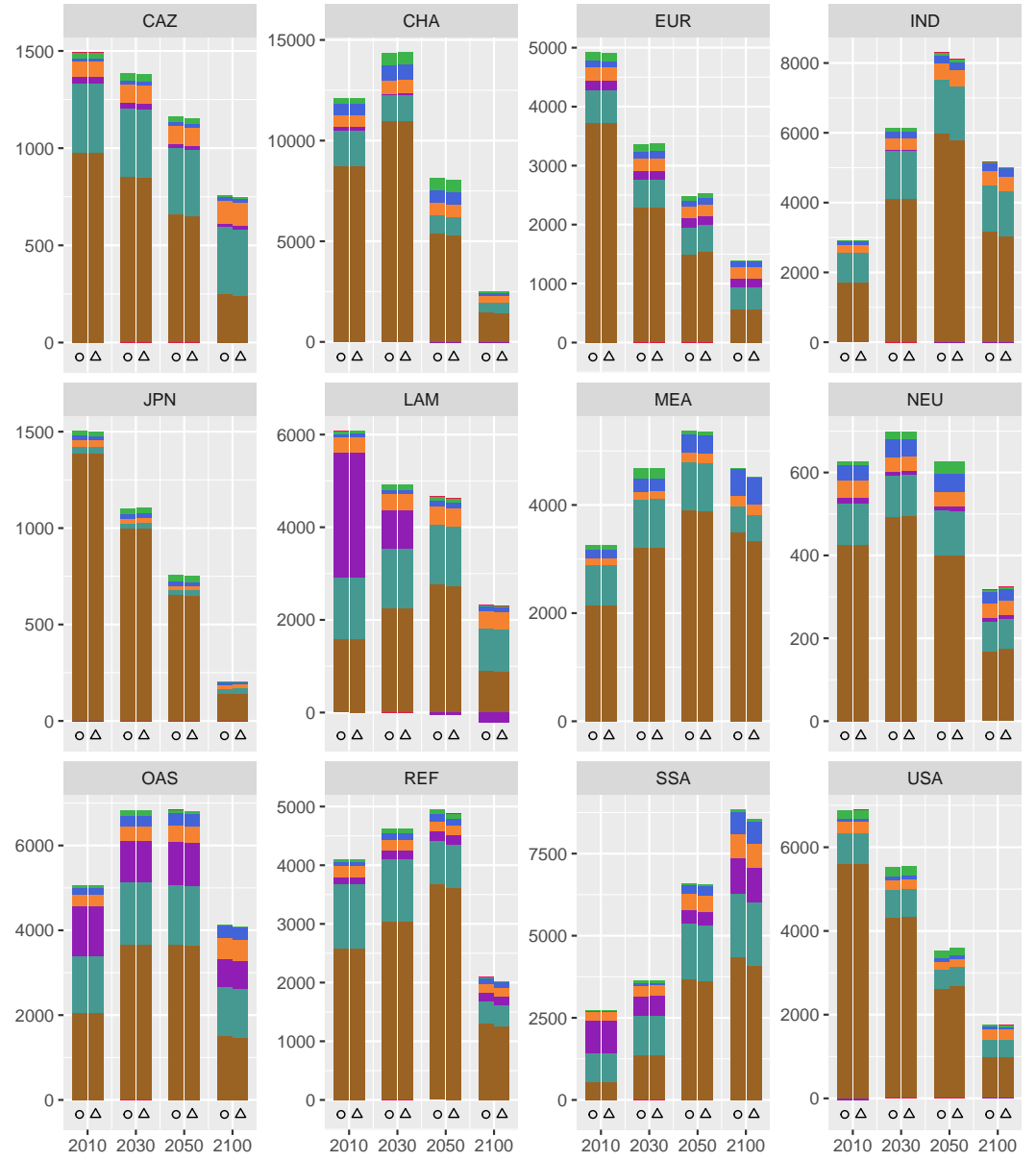
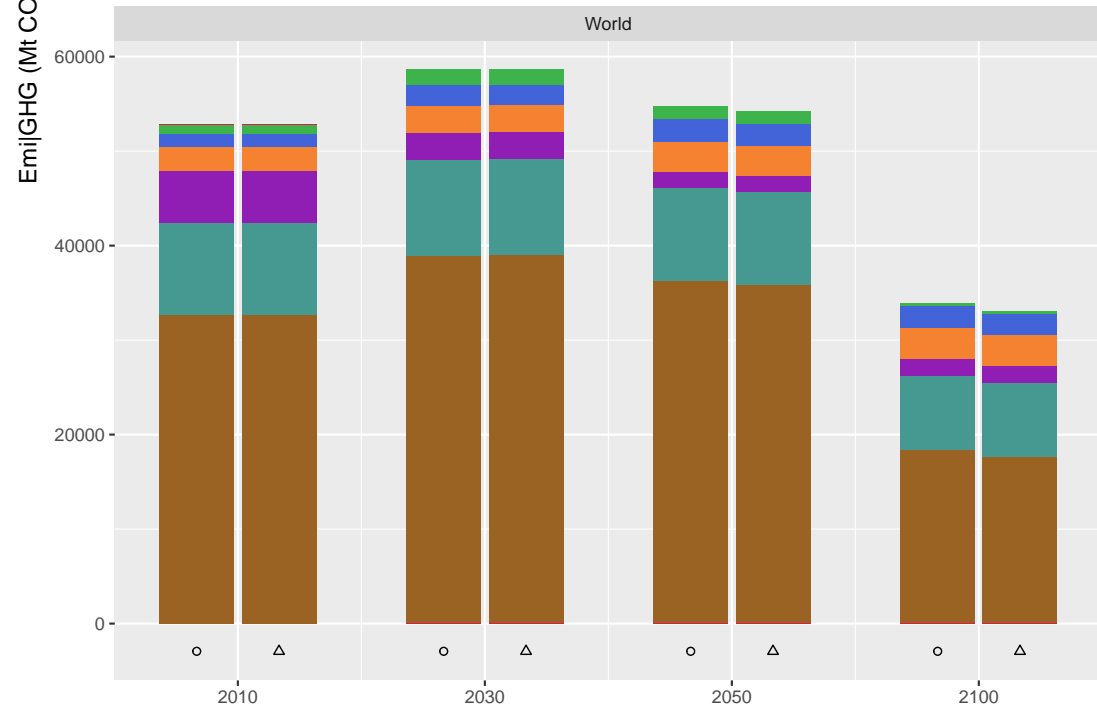
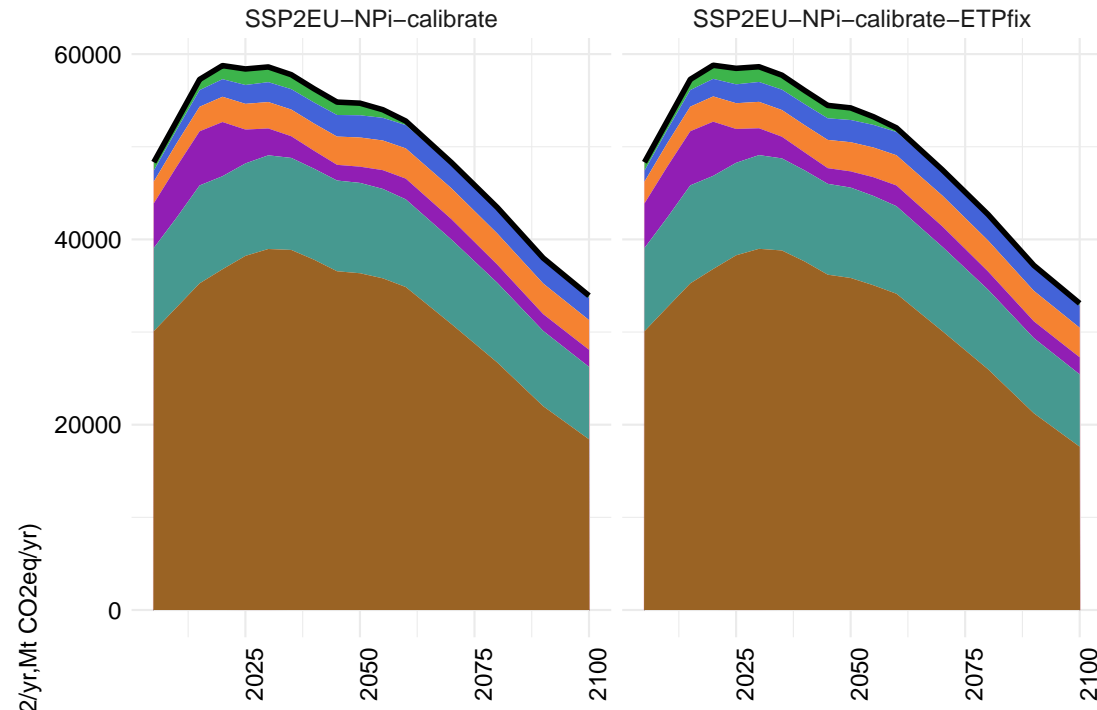
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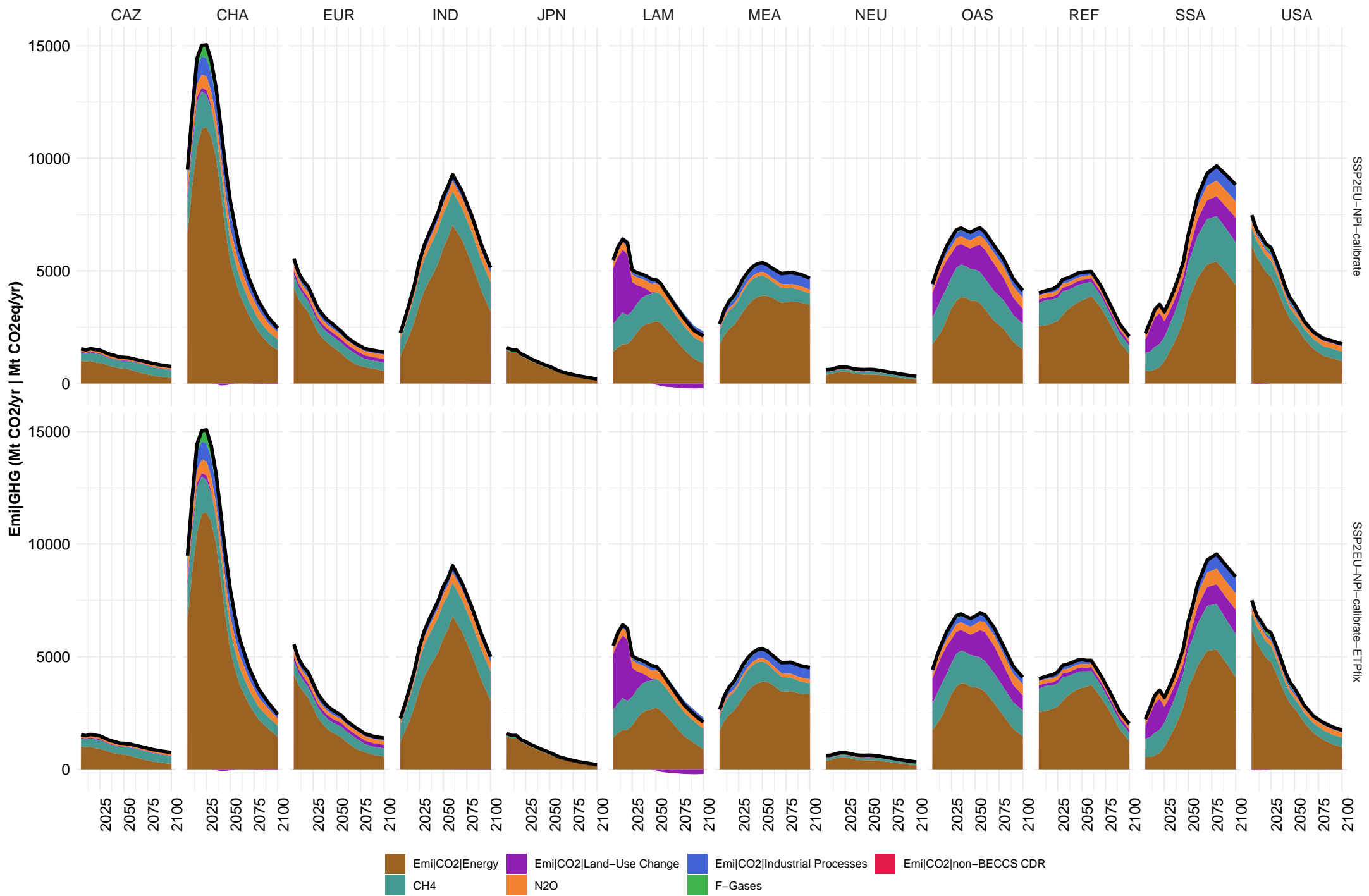
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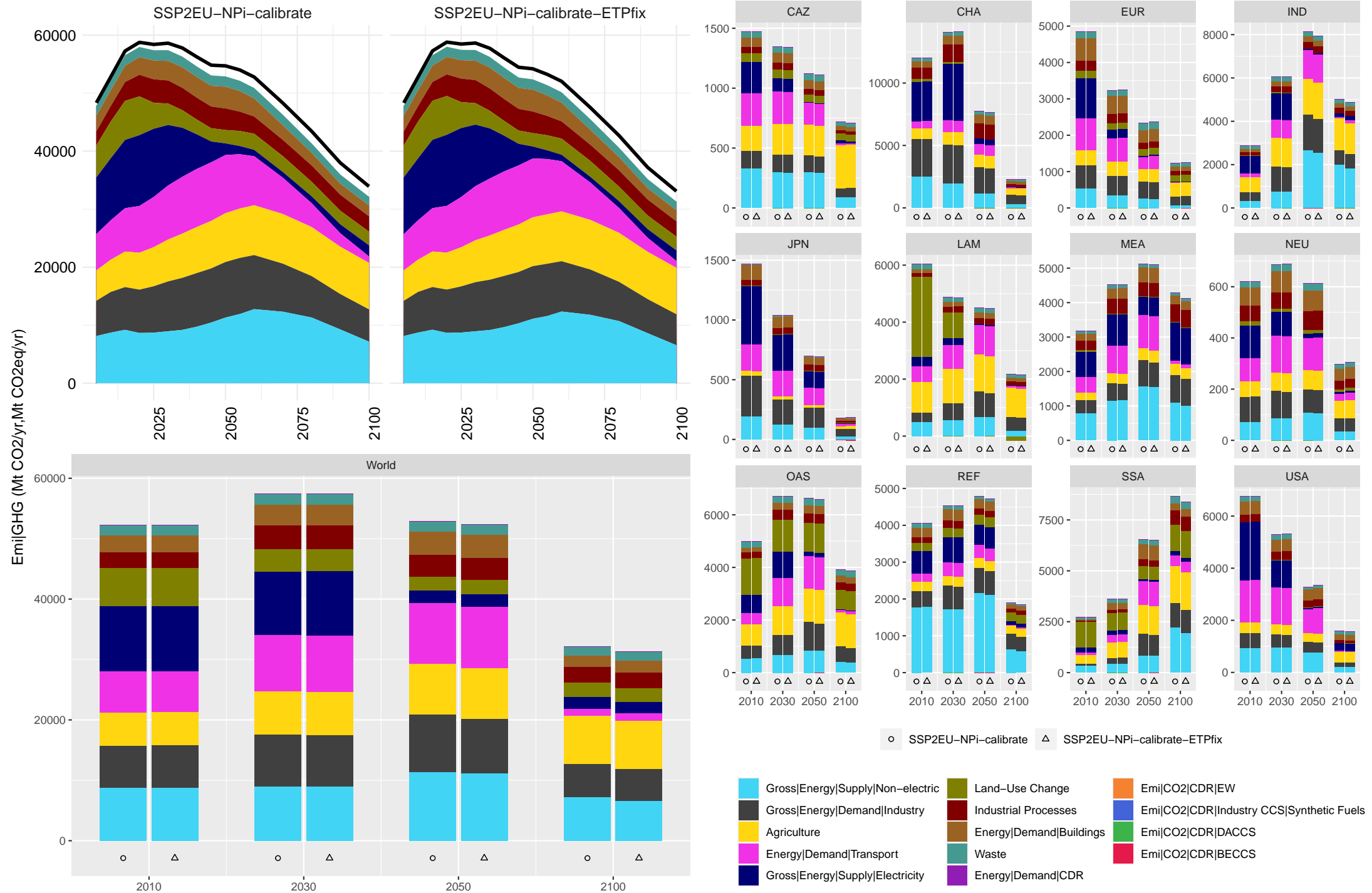
1 Summary

1.1 GHG Emissions

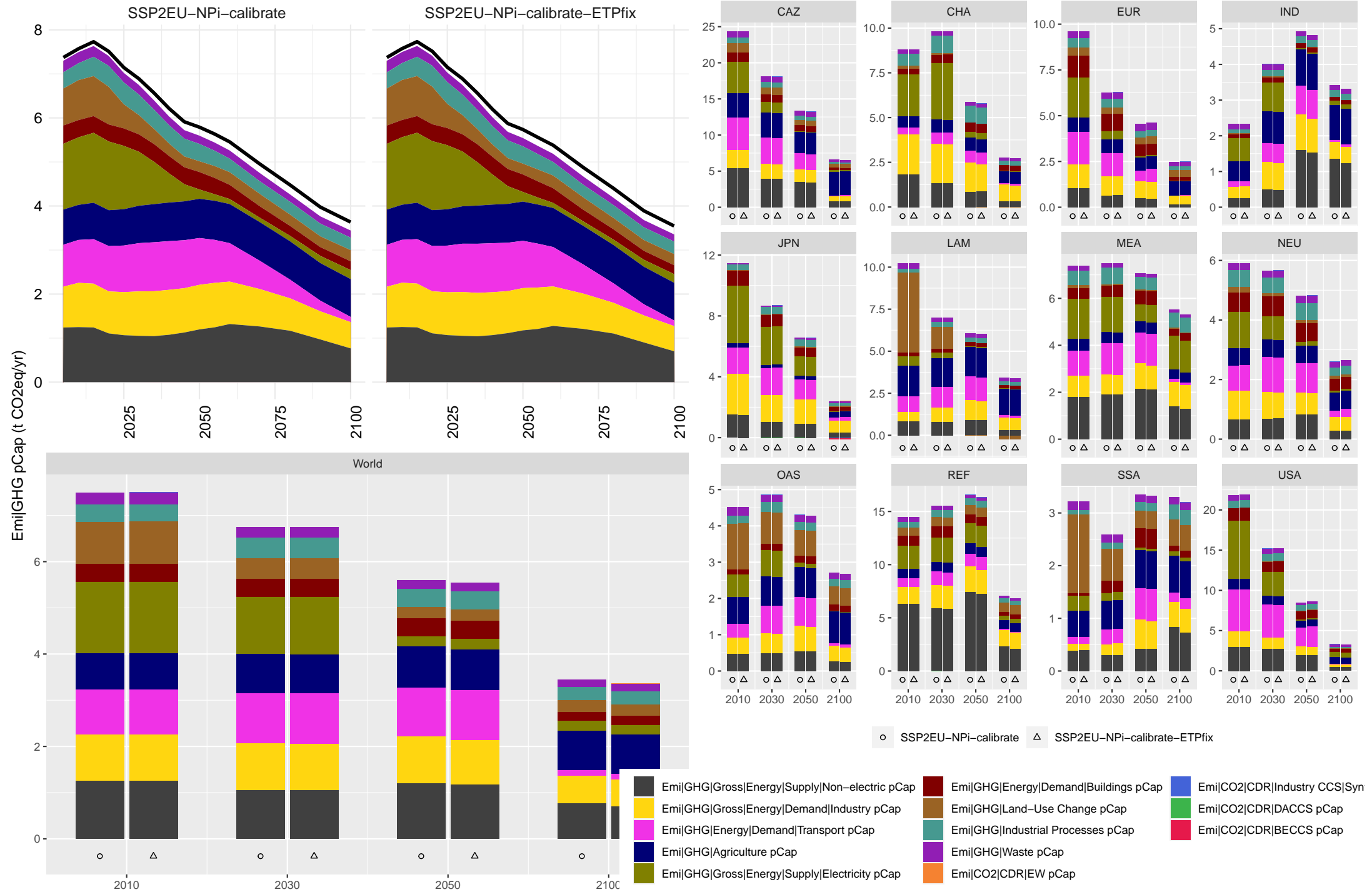




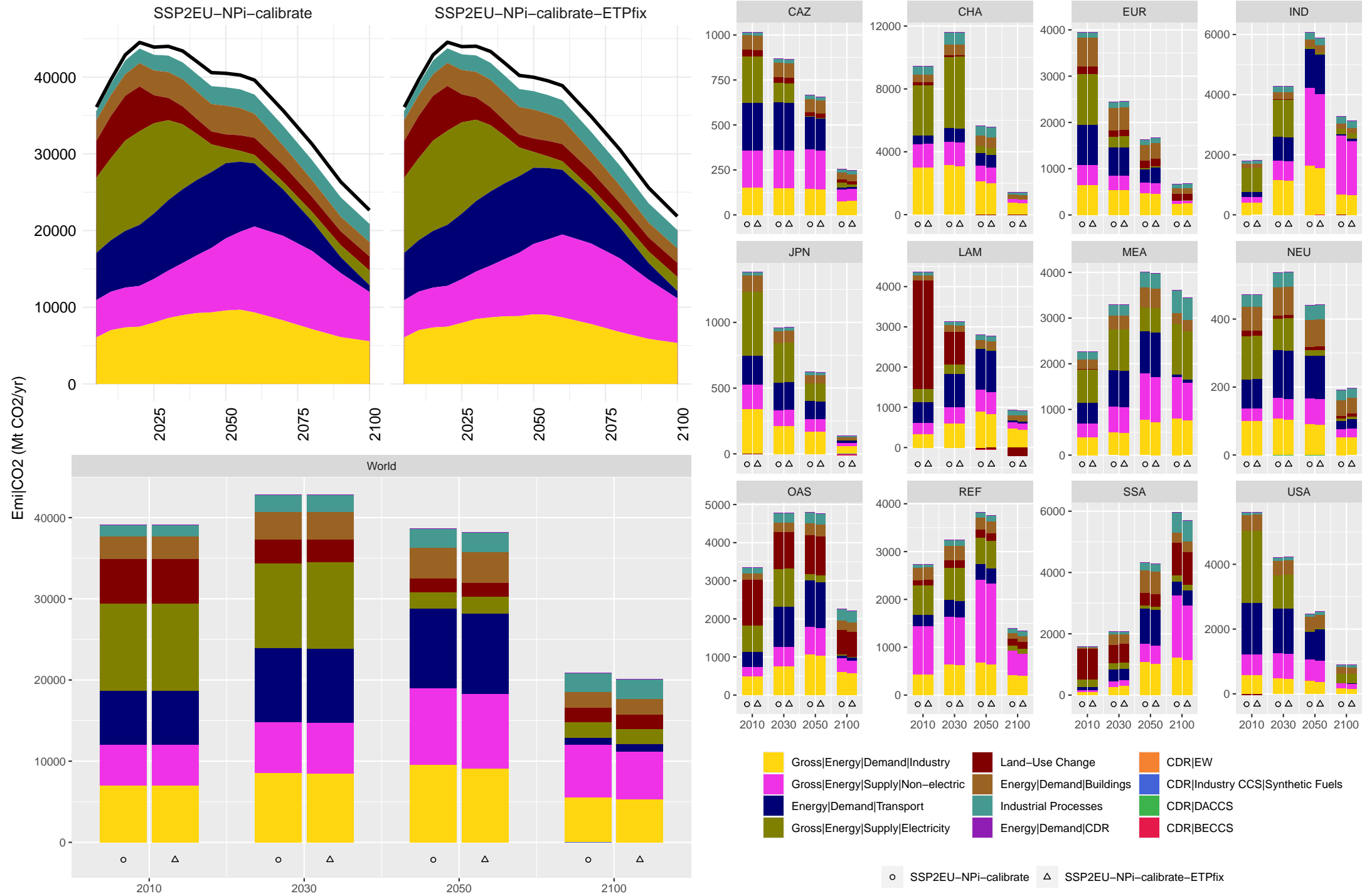
1.2 GHG by sector (w/ gross emissions, excl. negative emissions from CCS of non-fossil carbon)



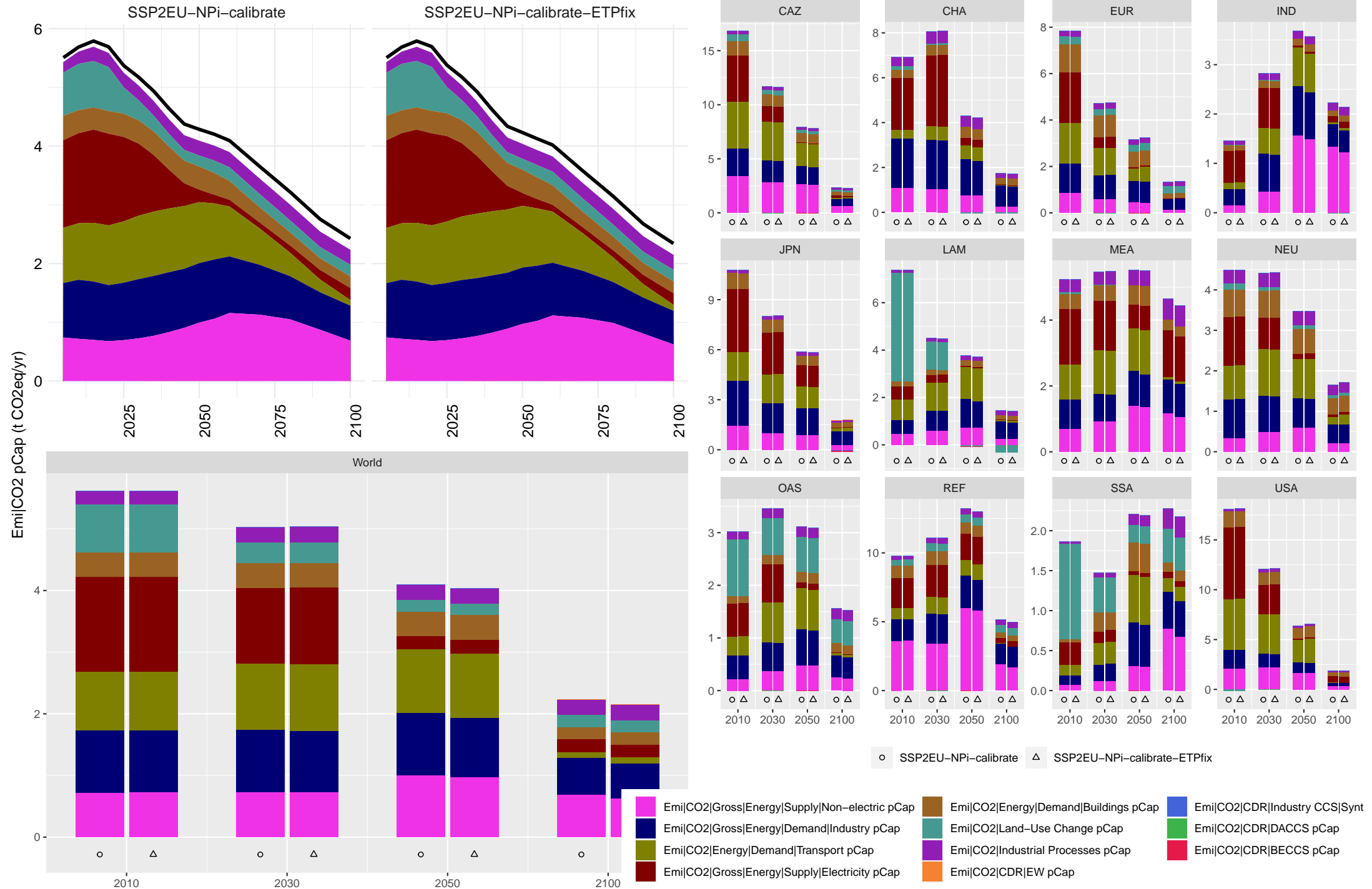
1.2.1 GHG pCap by sector

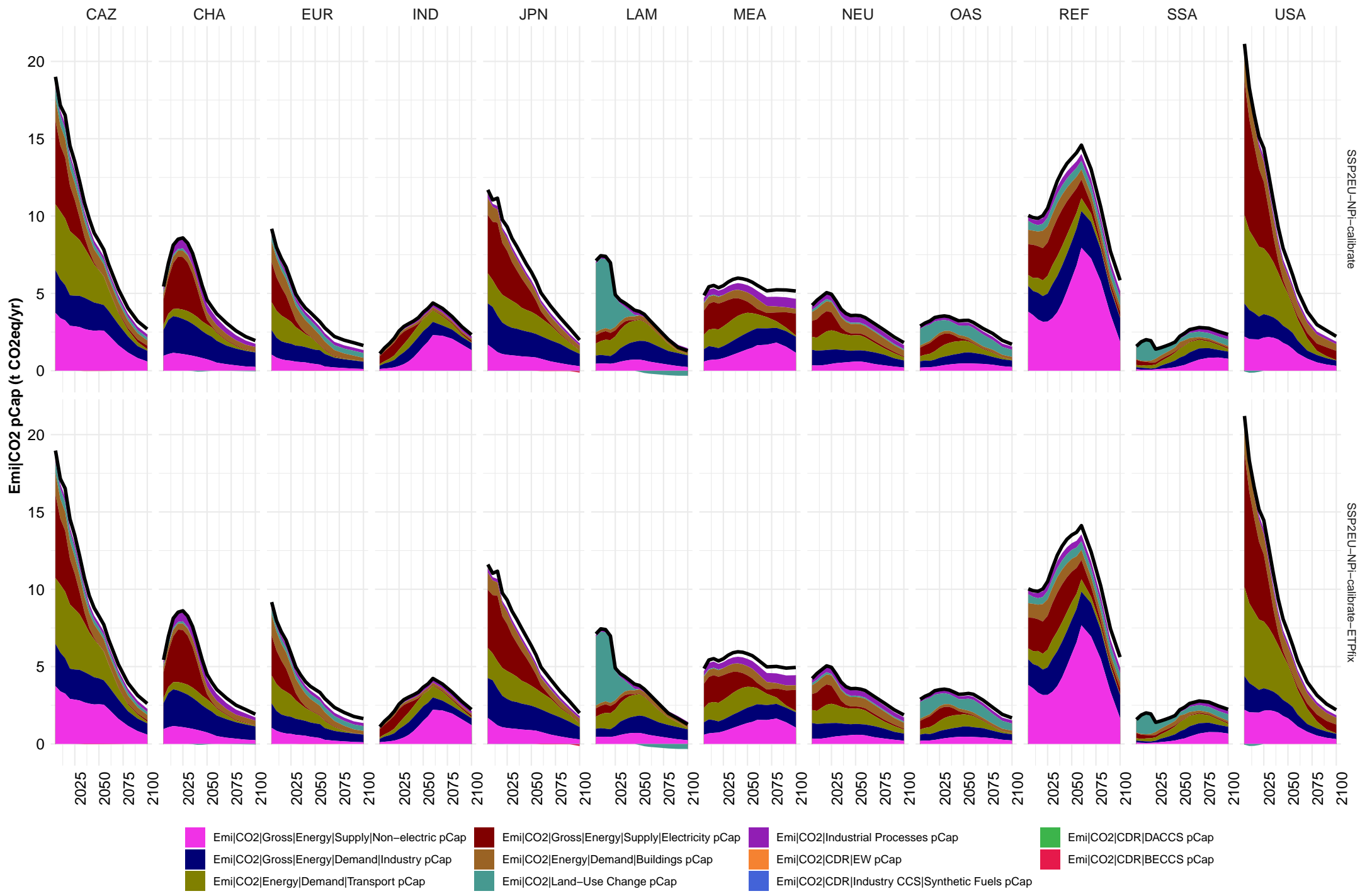


1.3 CO2 by sector (w/ gross emissions, excl. negative emissions from CCS of non-fossil carbon)

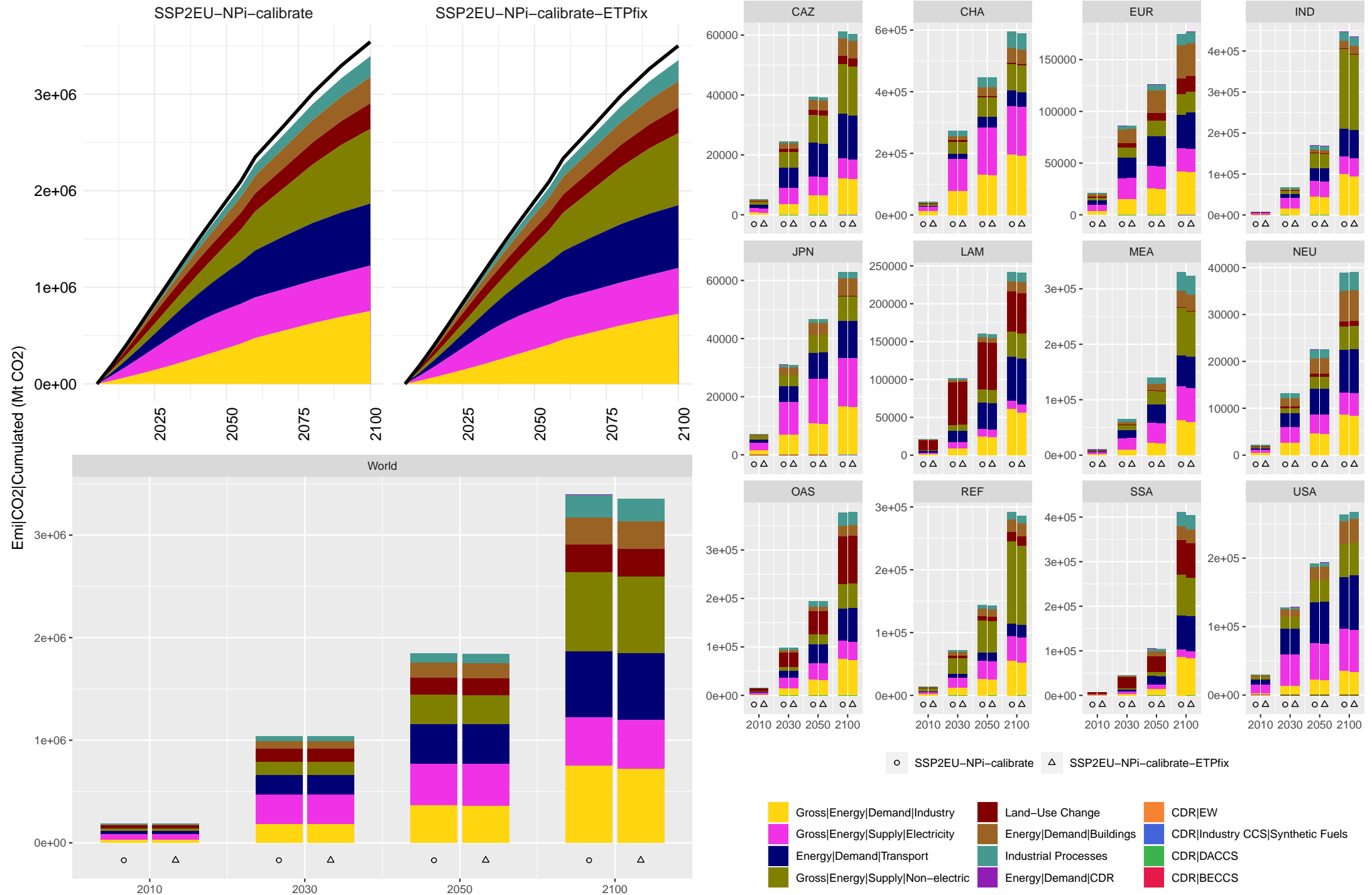


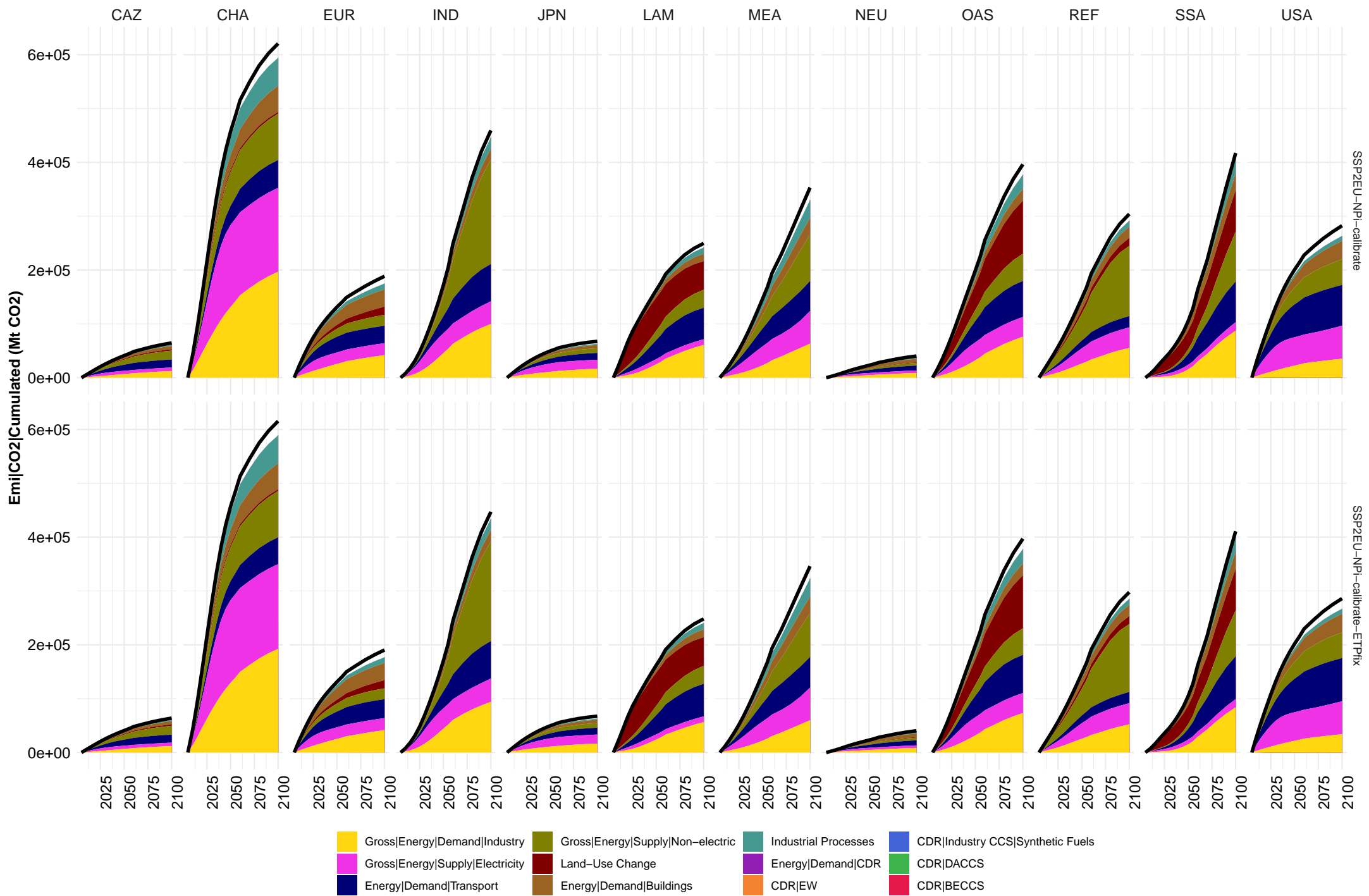
1.3.1 CO₂ pCap by sector



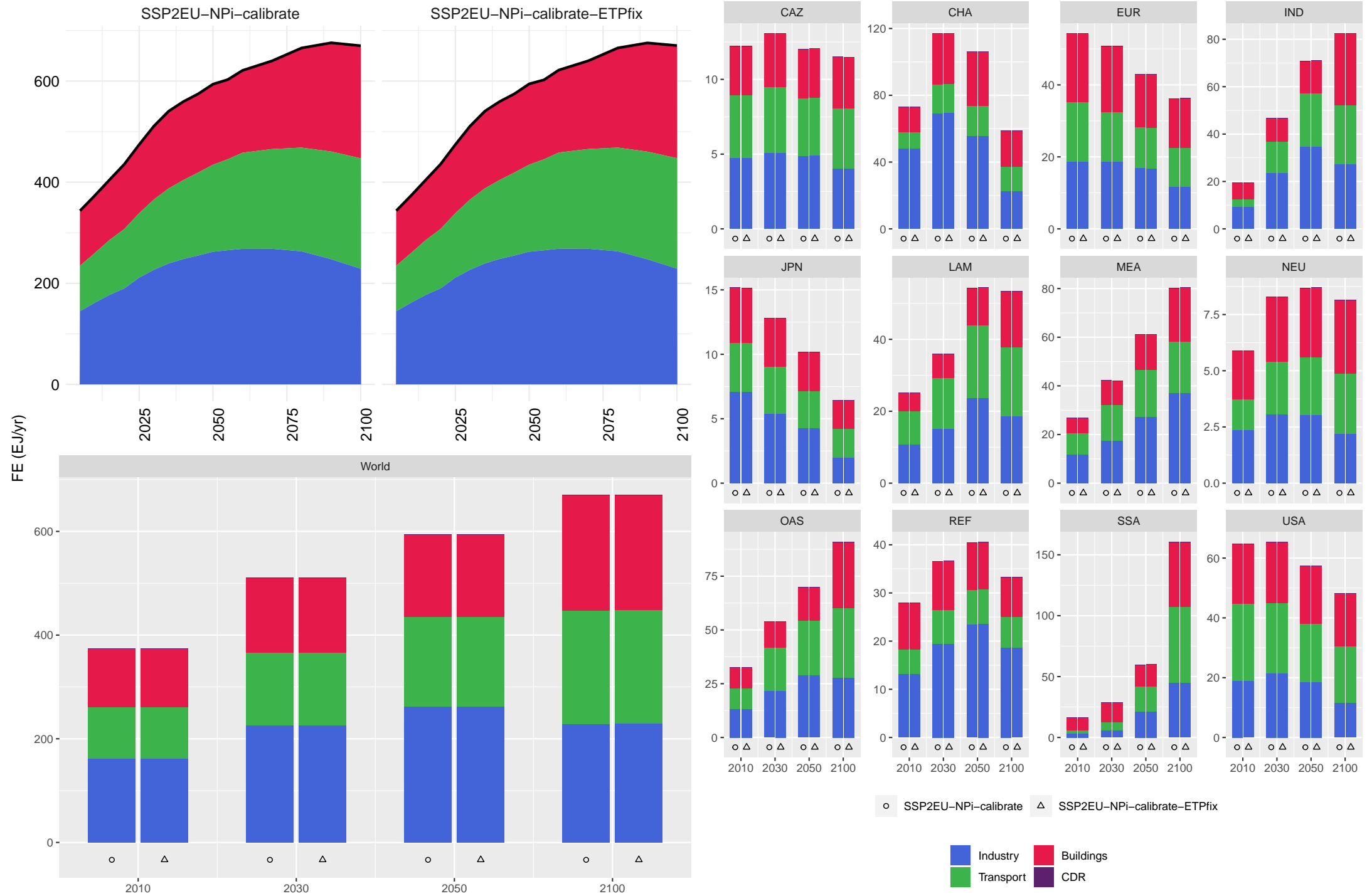


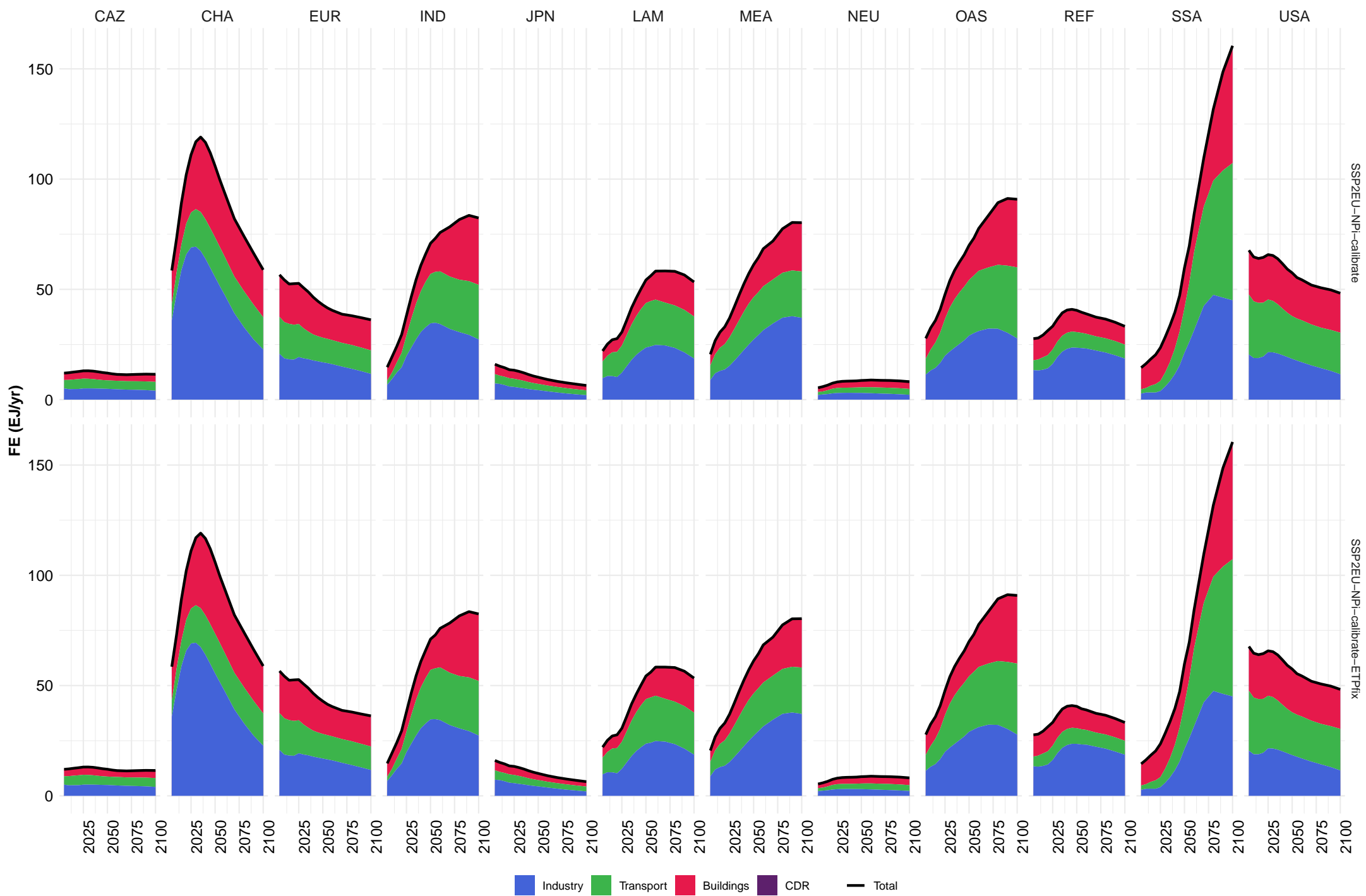
1.3.2 CO2 cumulated by sector (w/ gross emissions, excl. negative emissions from CCS of non-fossil carbon)



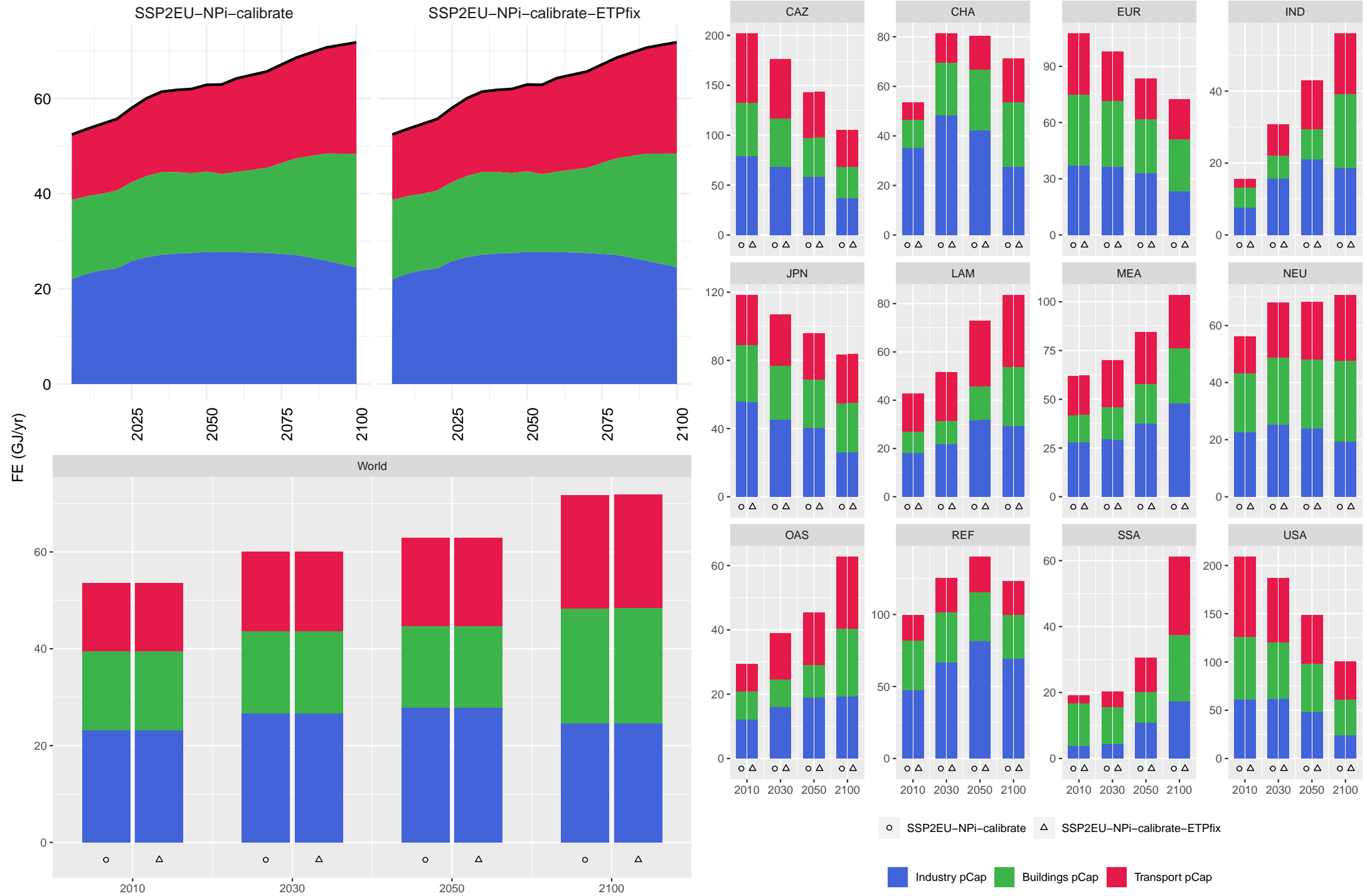


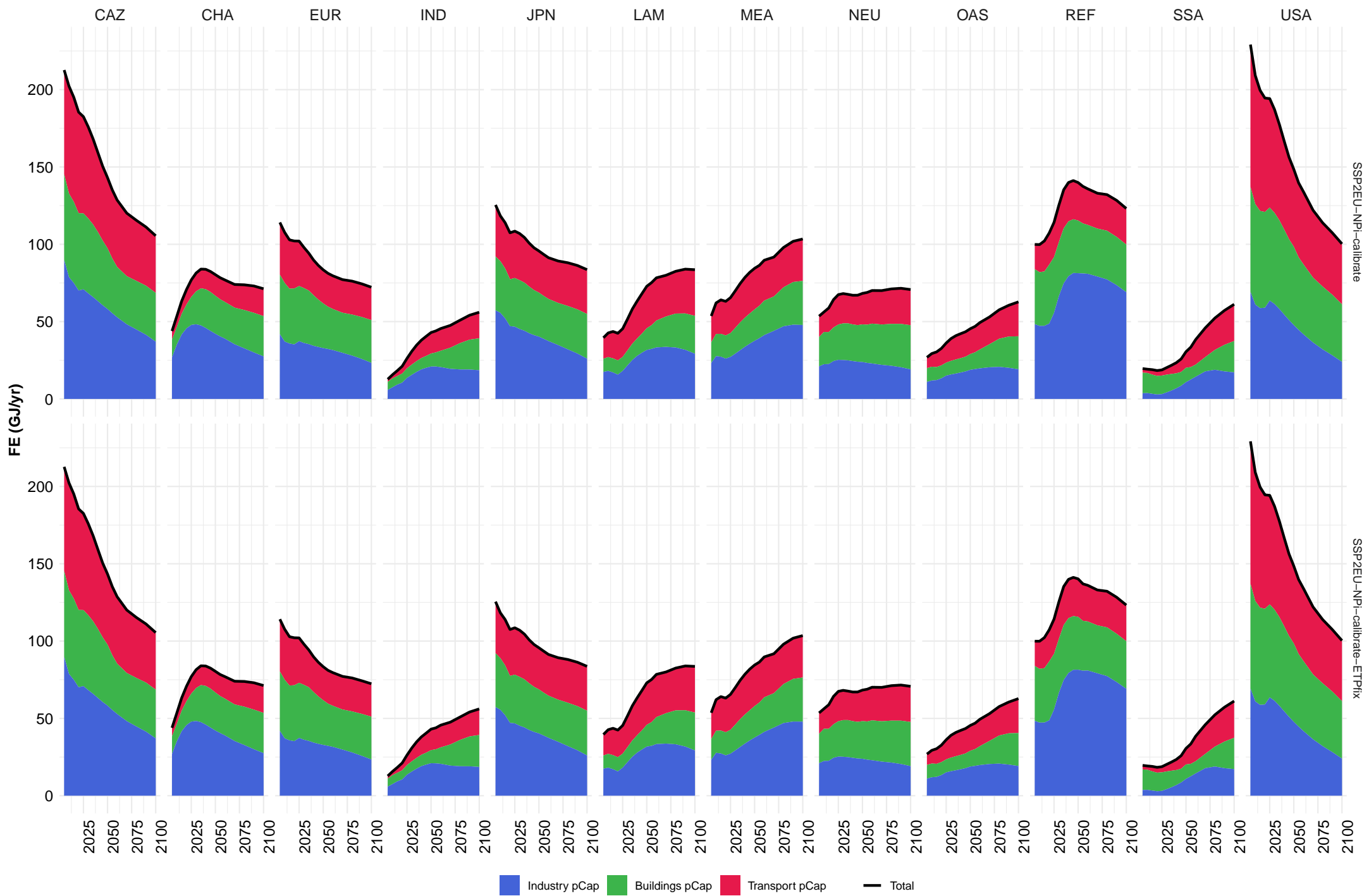
1.4 FE by sector



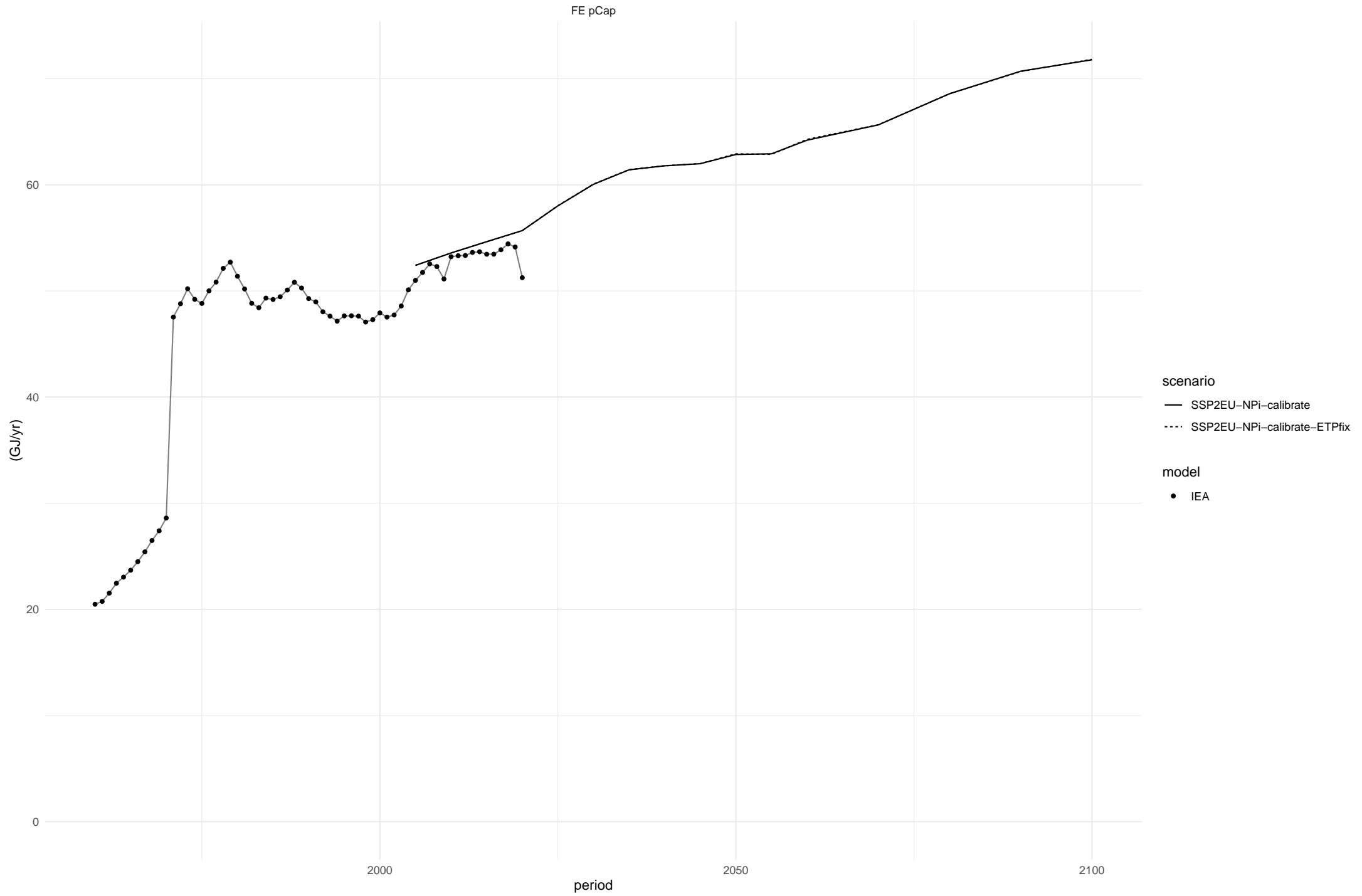


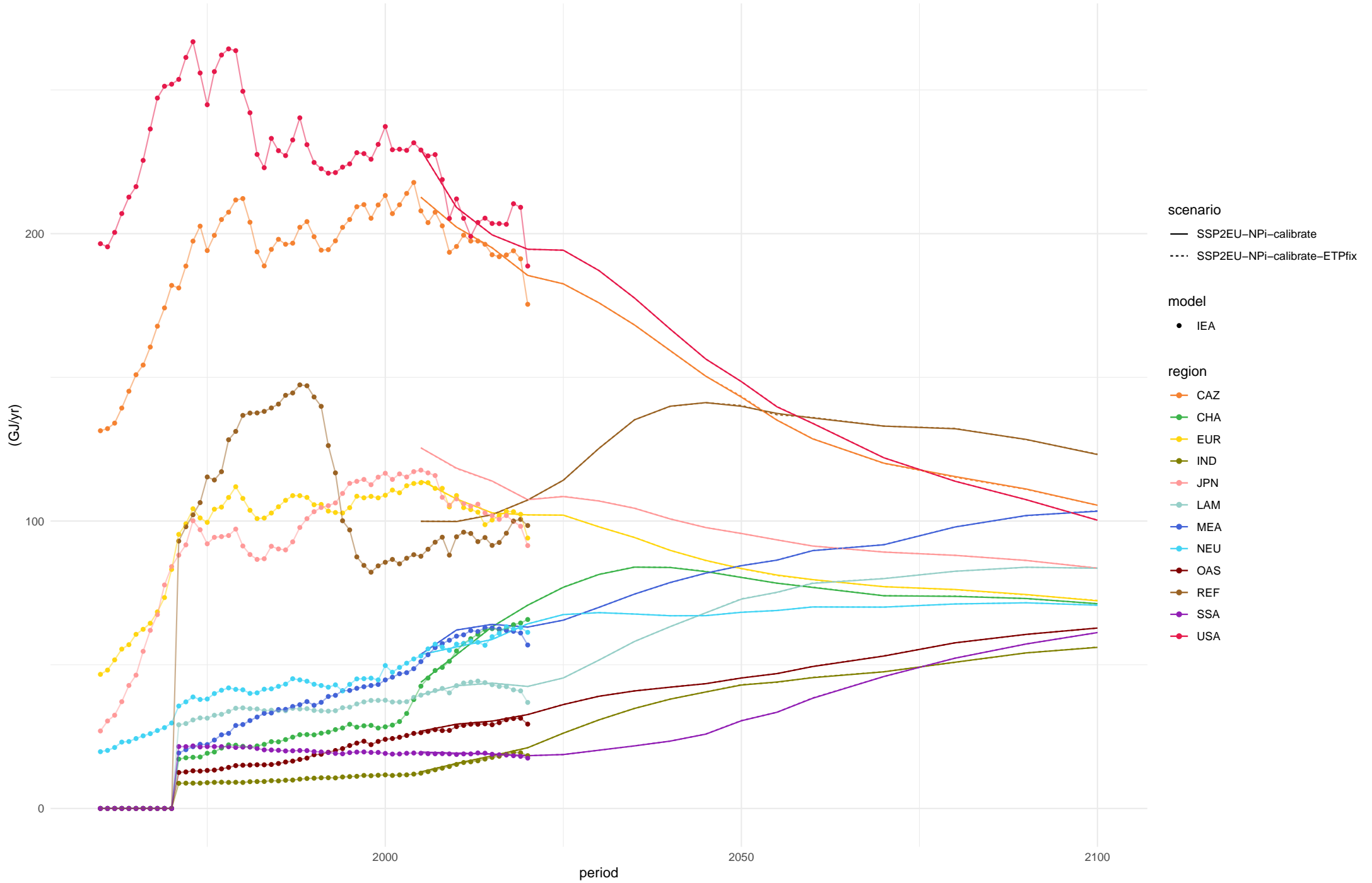
1.5 FE per capita (by sector, time domain, area plot)





1.6 FE per capita (by sector, time domain, line graph)

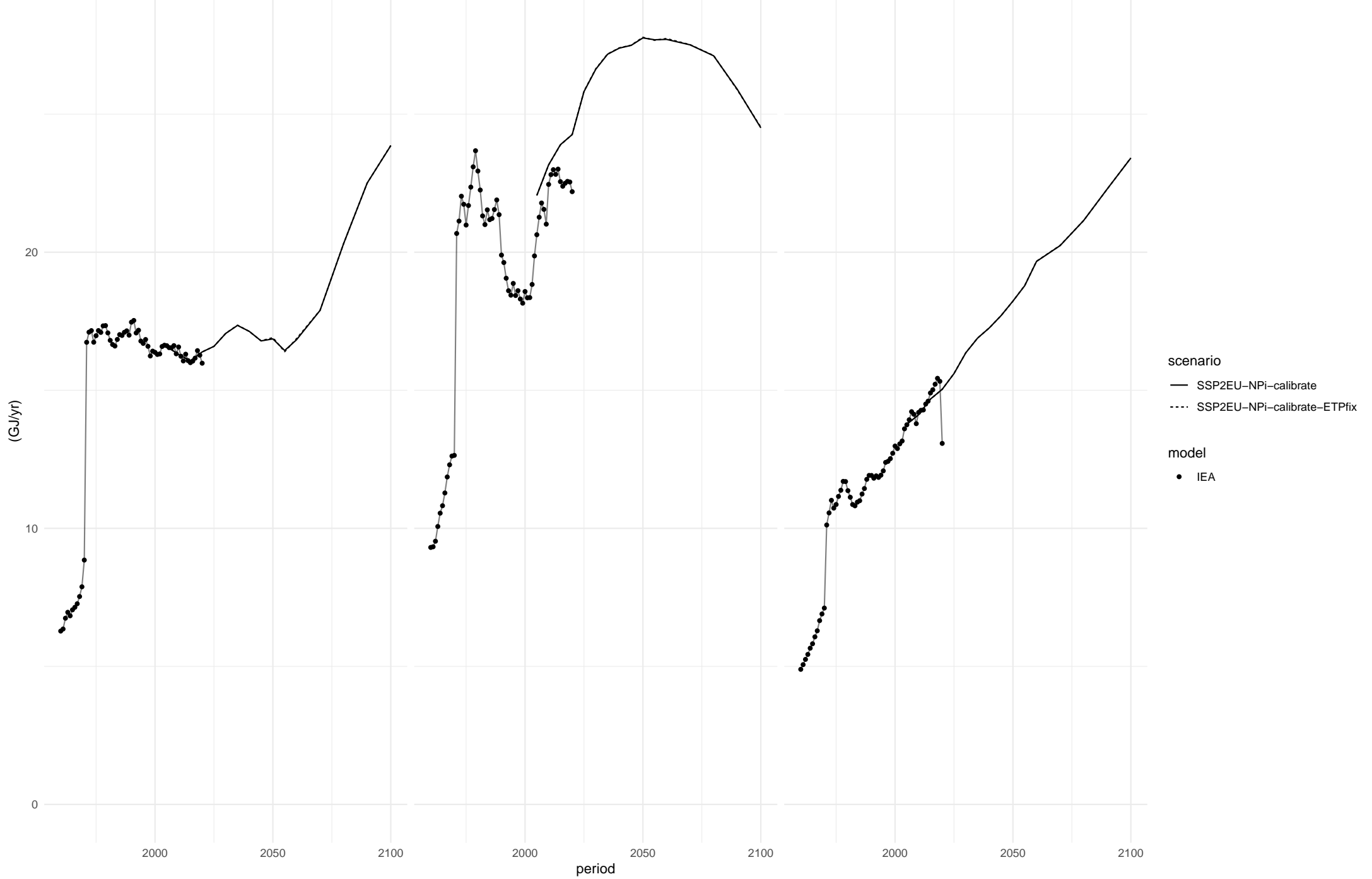




FE|Buildings pCap

FE|Industry pCap

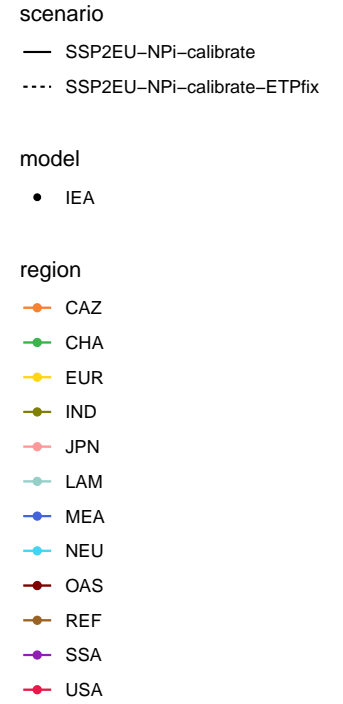
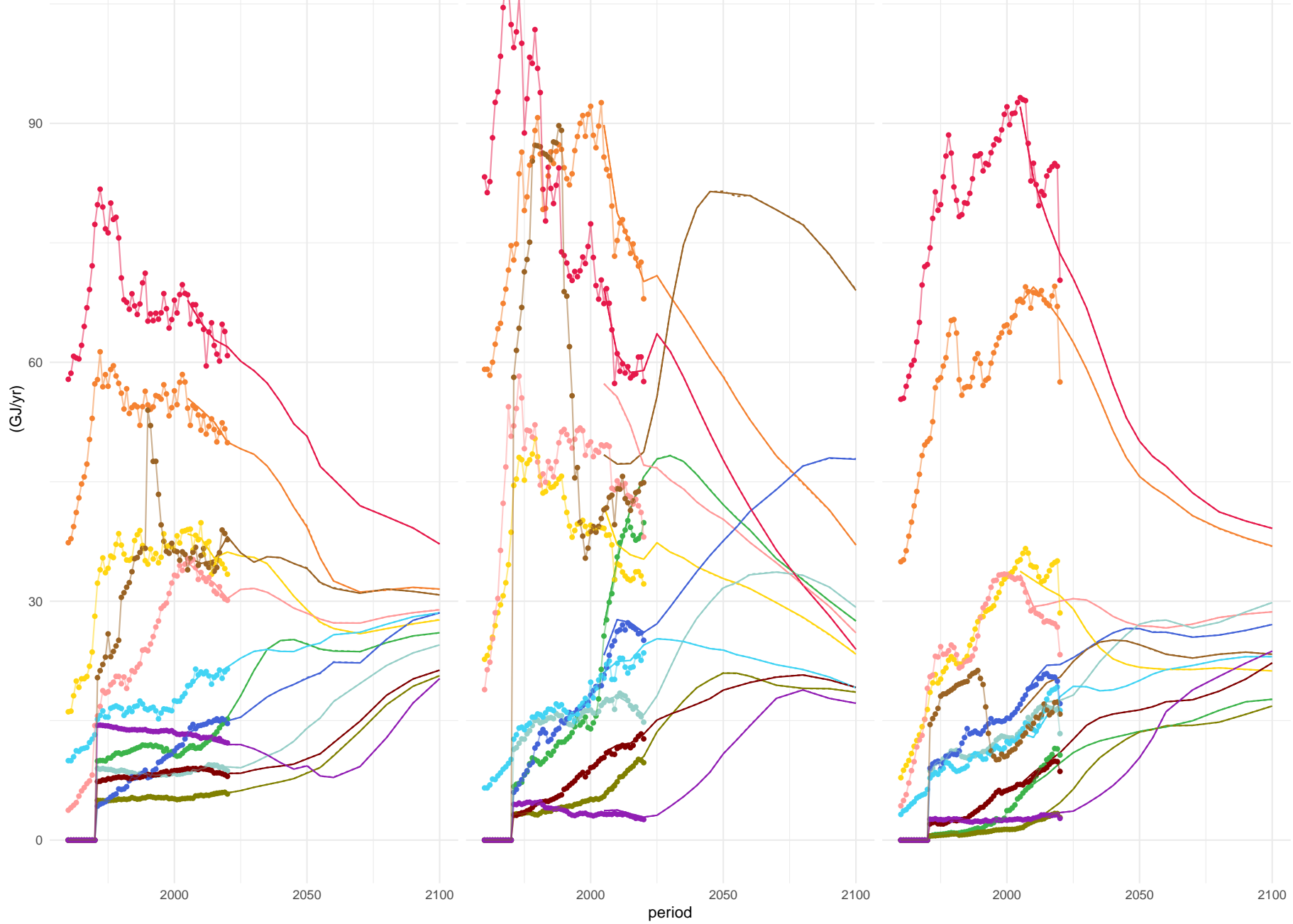
FE|Transport pCap



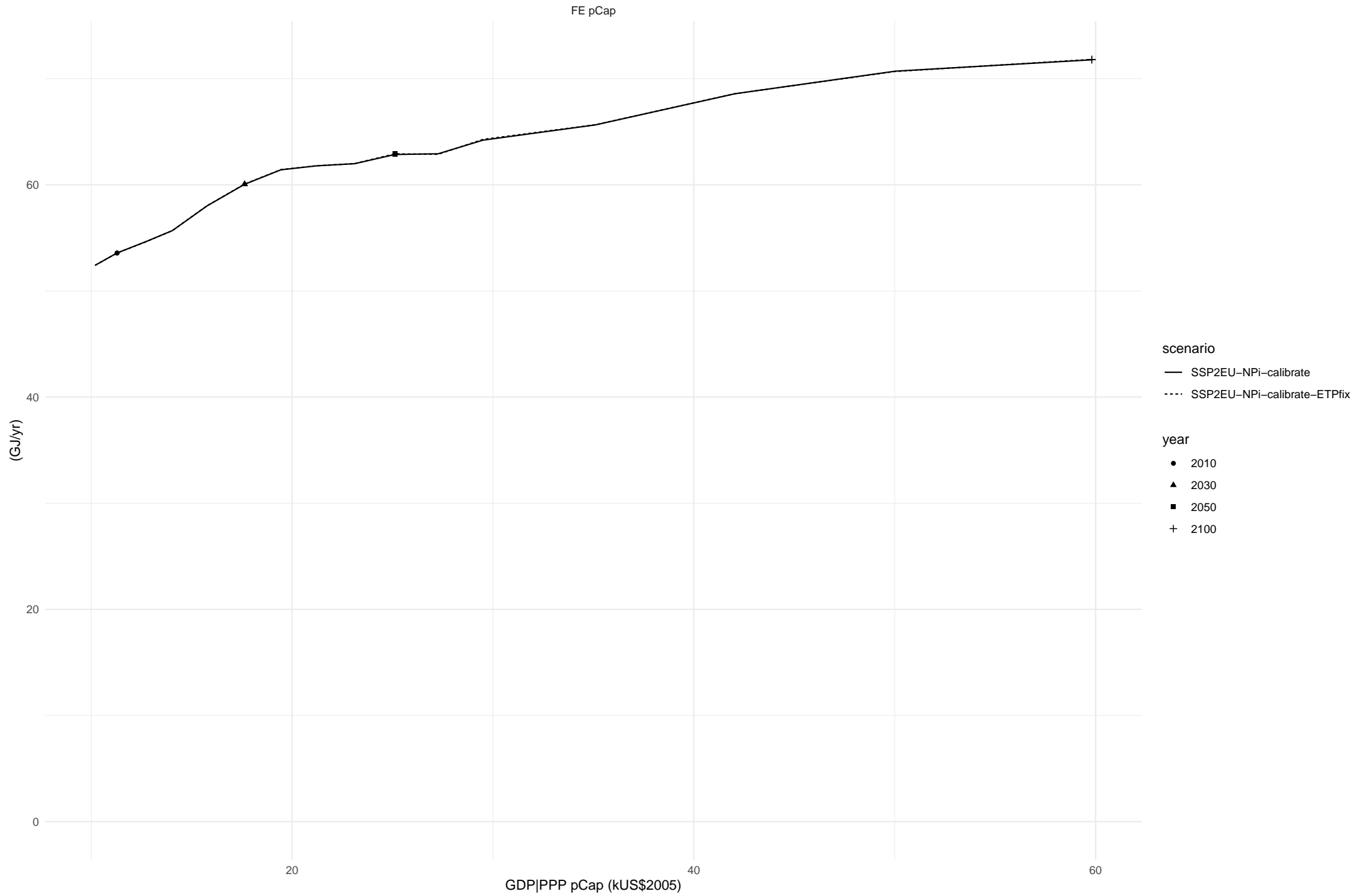
FE|Buildings pCap

FE|Industry pCap

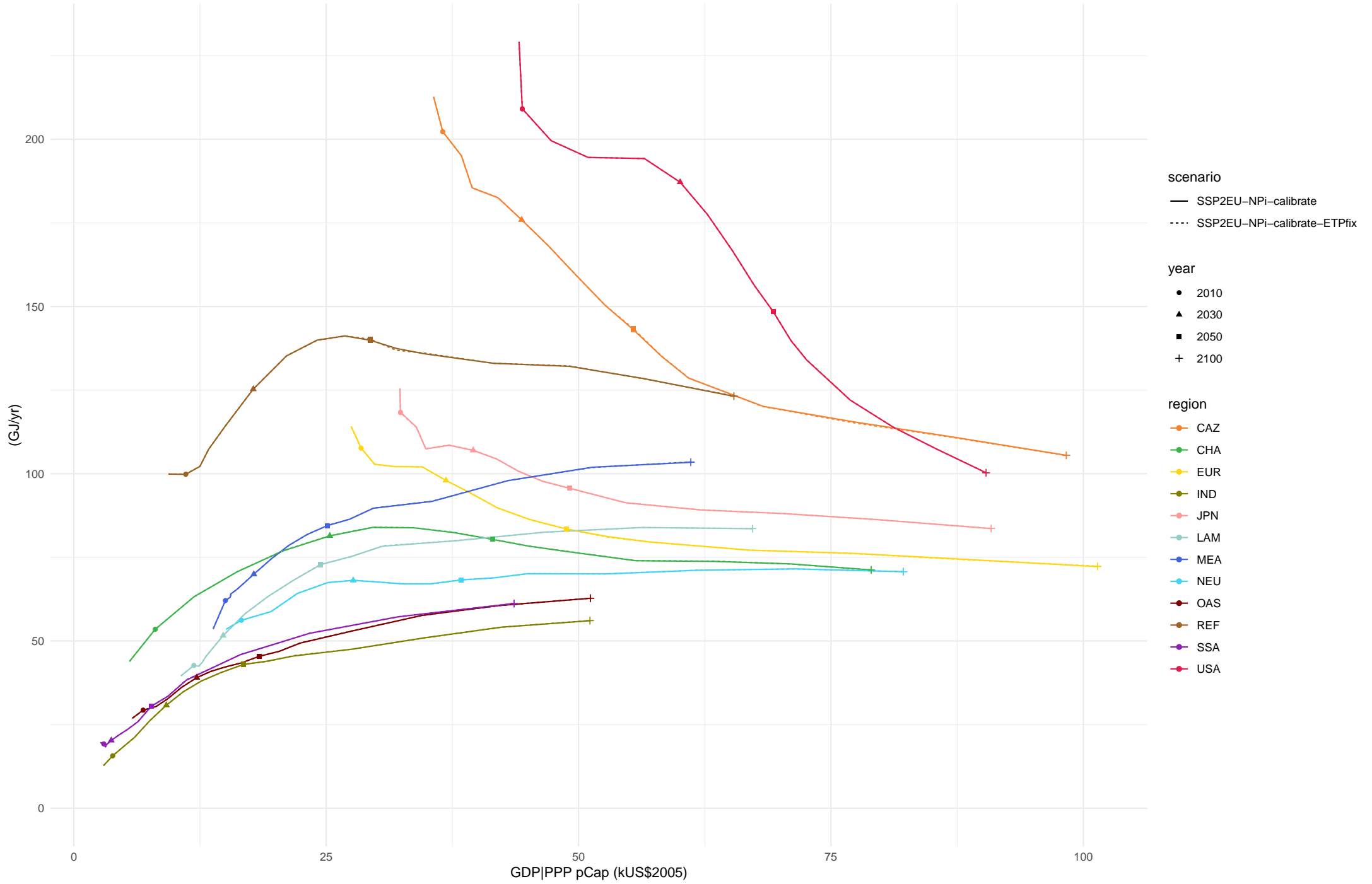
FE|Transport pCap

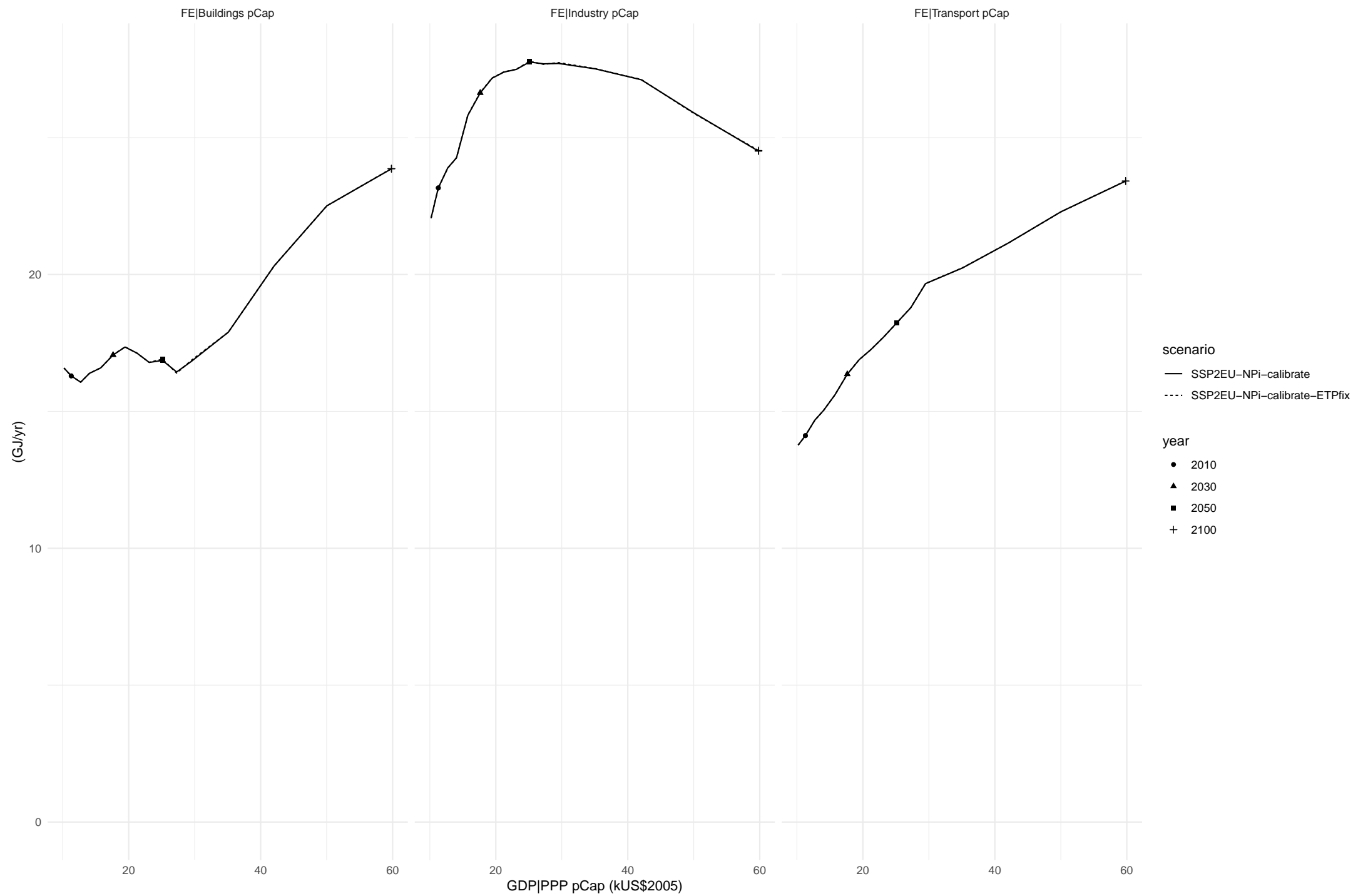


1.7 FE per capita (by sector, GDP)

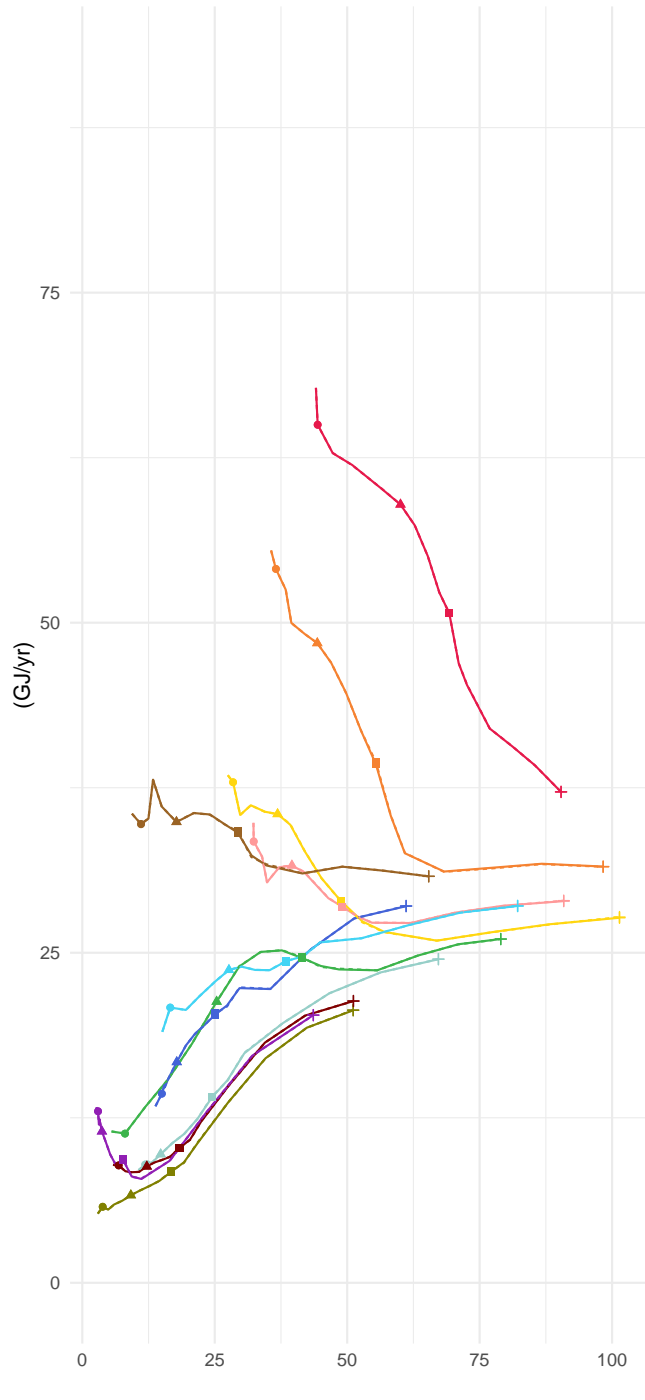


FE pCap

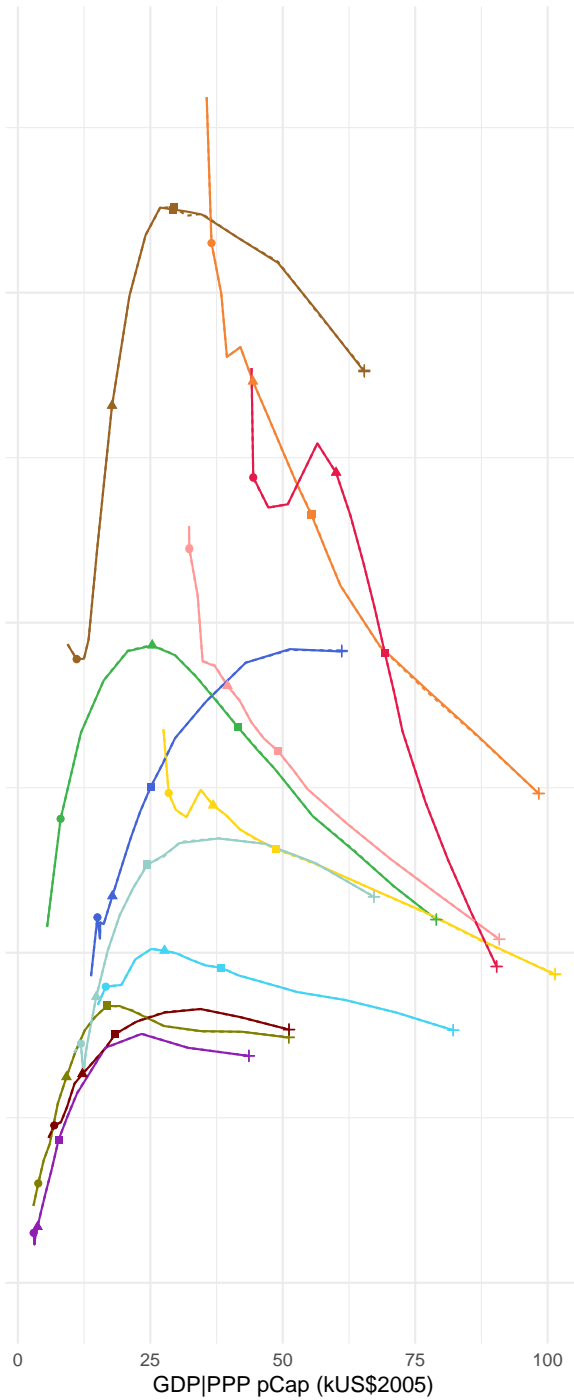




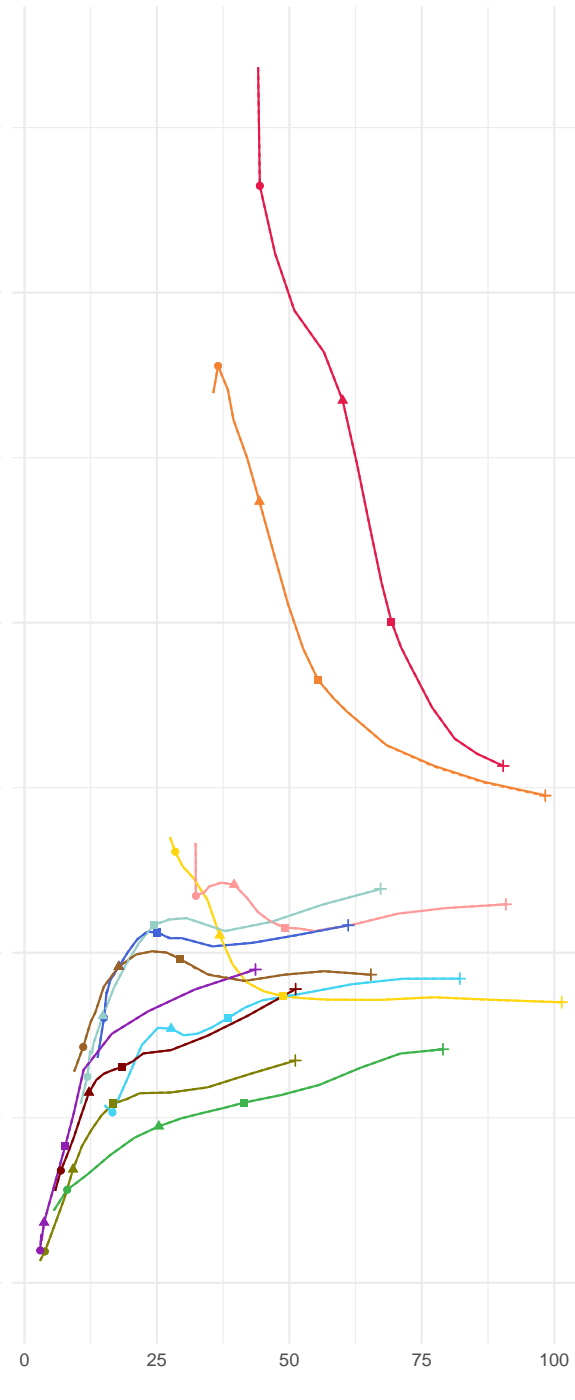
FE|Buildings pCap



FE|Industry pCap



FE|Transport pCap



scenario

— SSP2EU-NPi-calibrate

- - - SSP2EU-NPi-calibrate-ETPfix

year

● 2010

▲ 2030

■ 2050

+ 2100

region

○ CAZ

○ CHA

○ EUR

○ IND

○ JPN

○ LAM

○ MEA

○ NEU

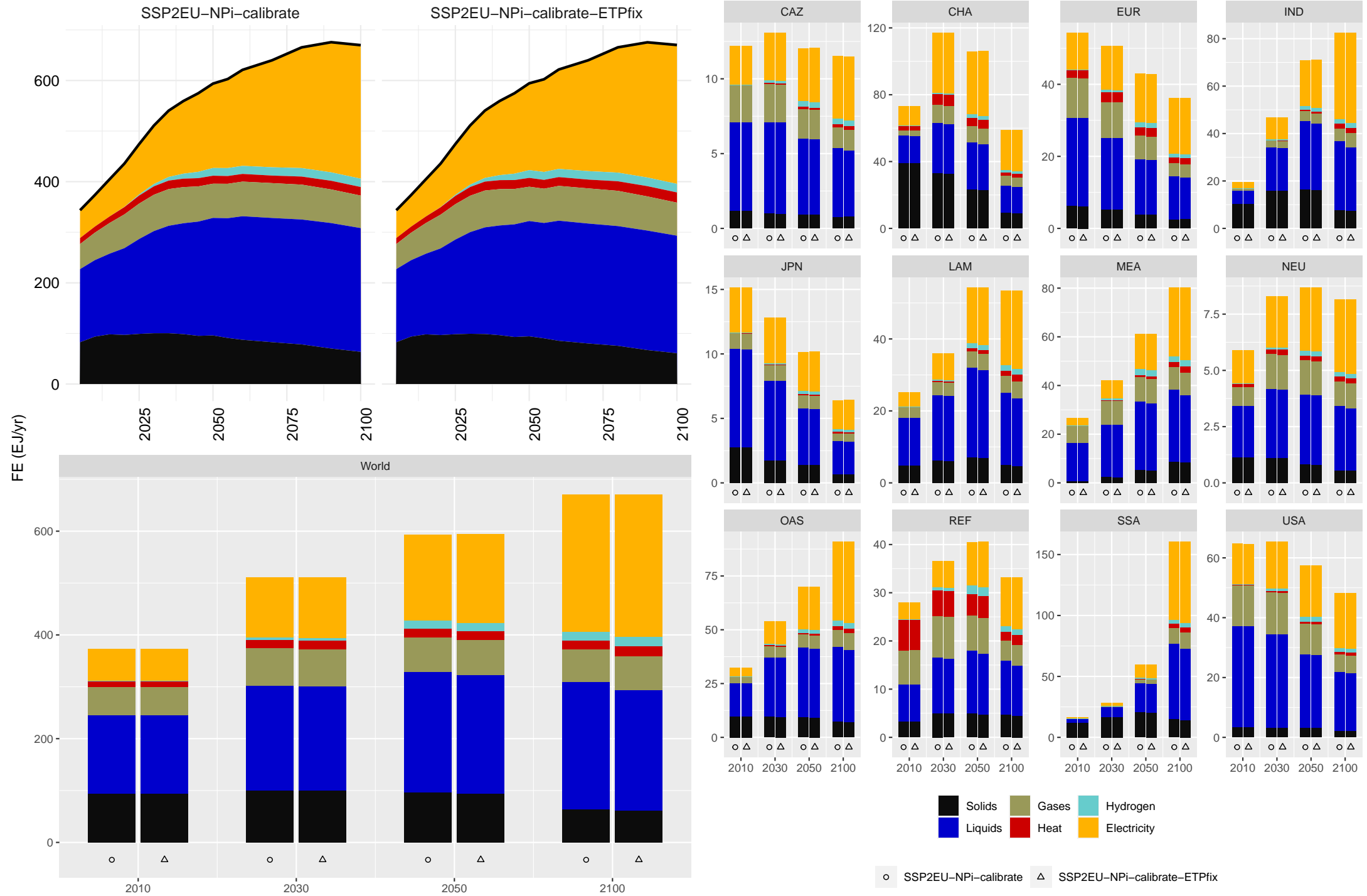
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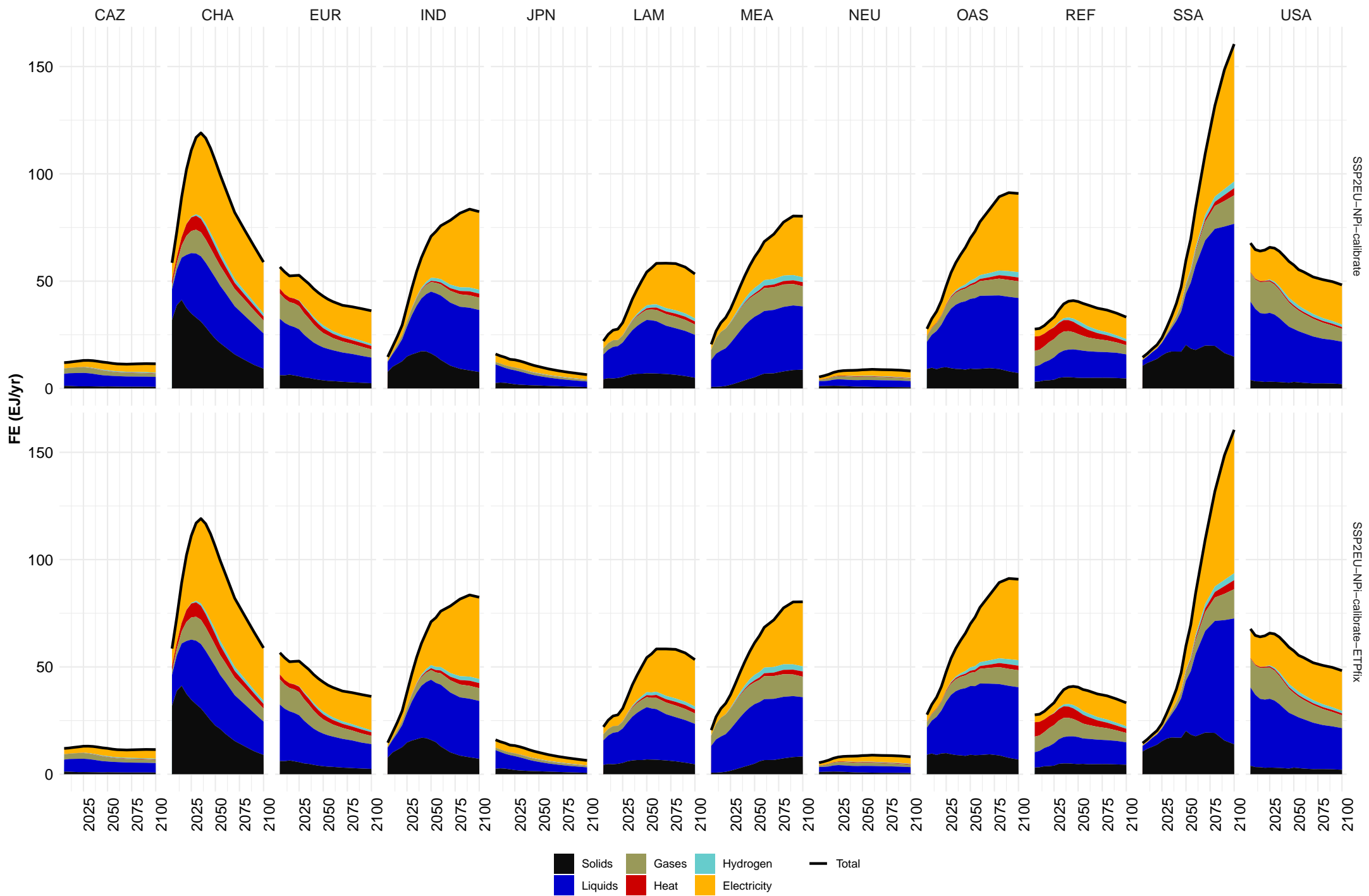
○ REF

○ SSA

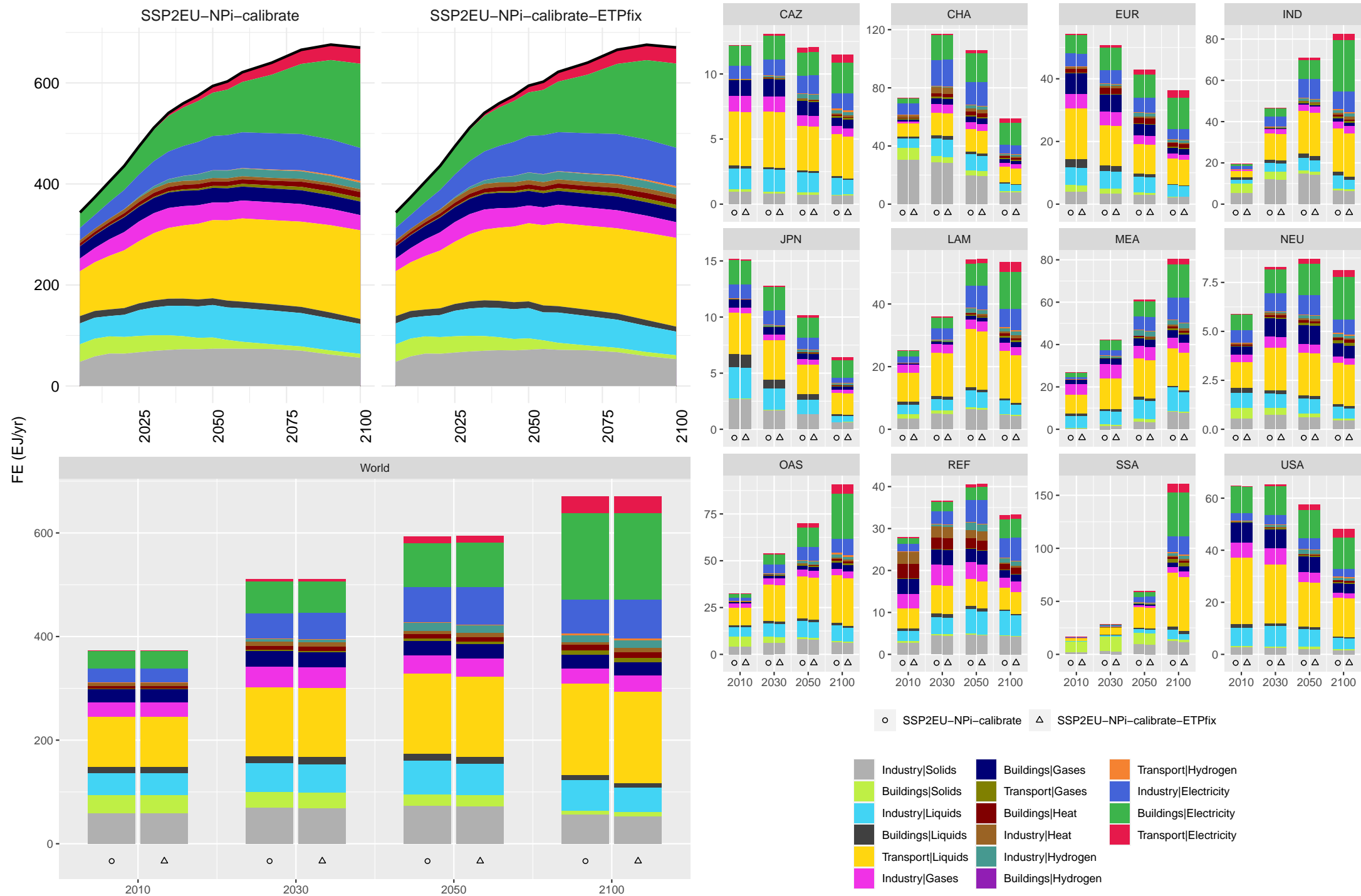
○ USA

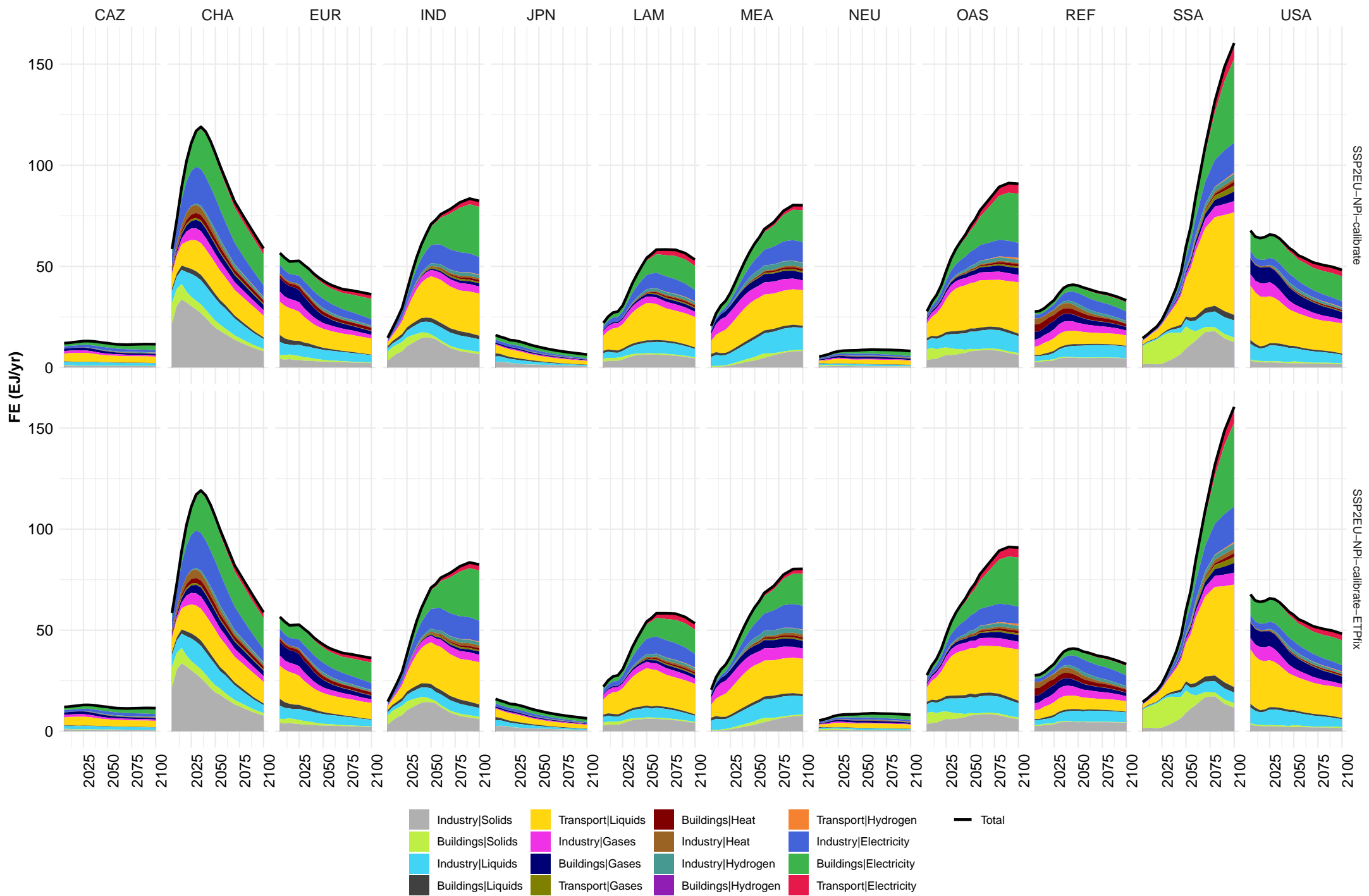
1.8 FE by carrier



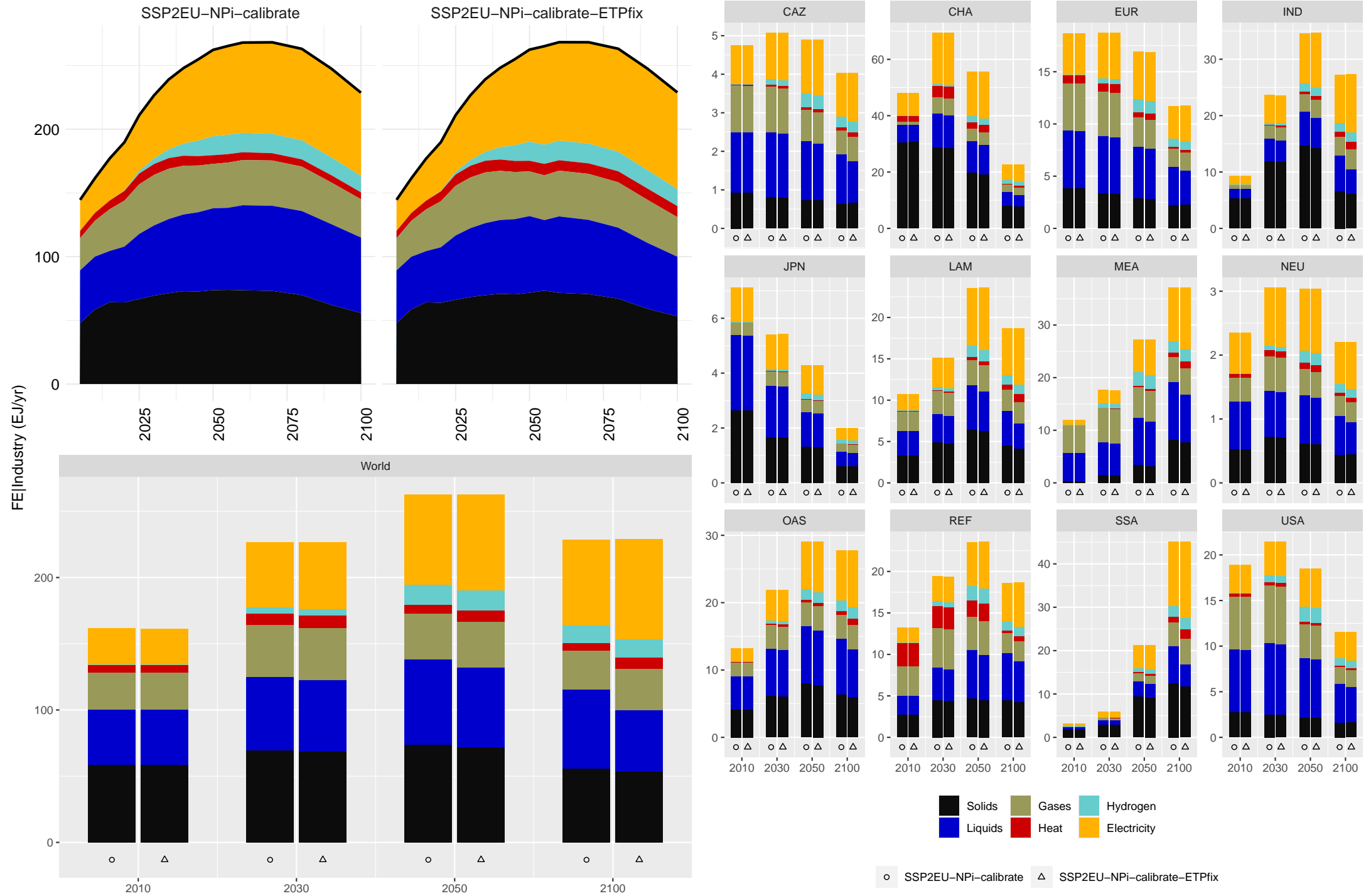


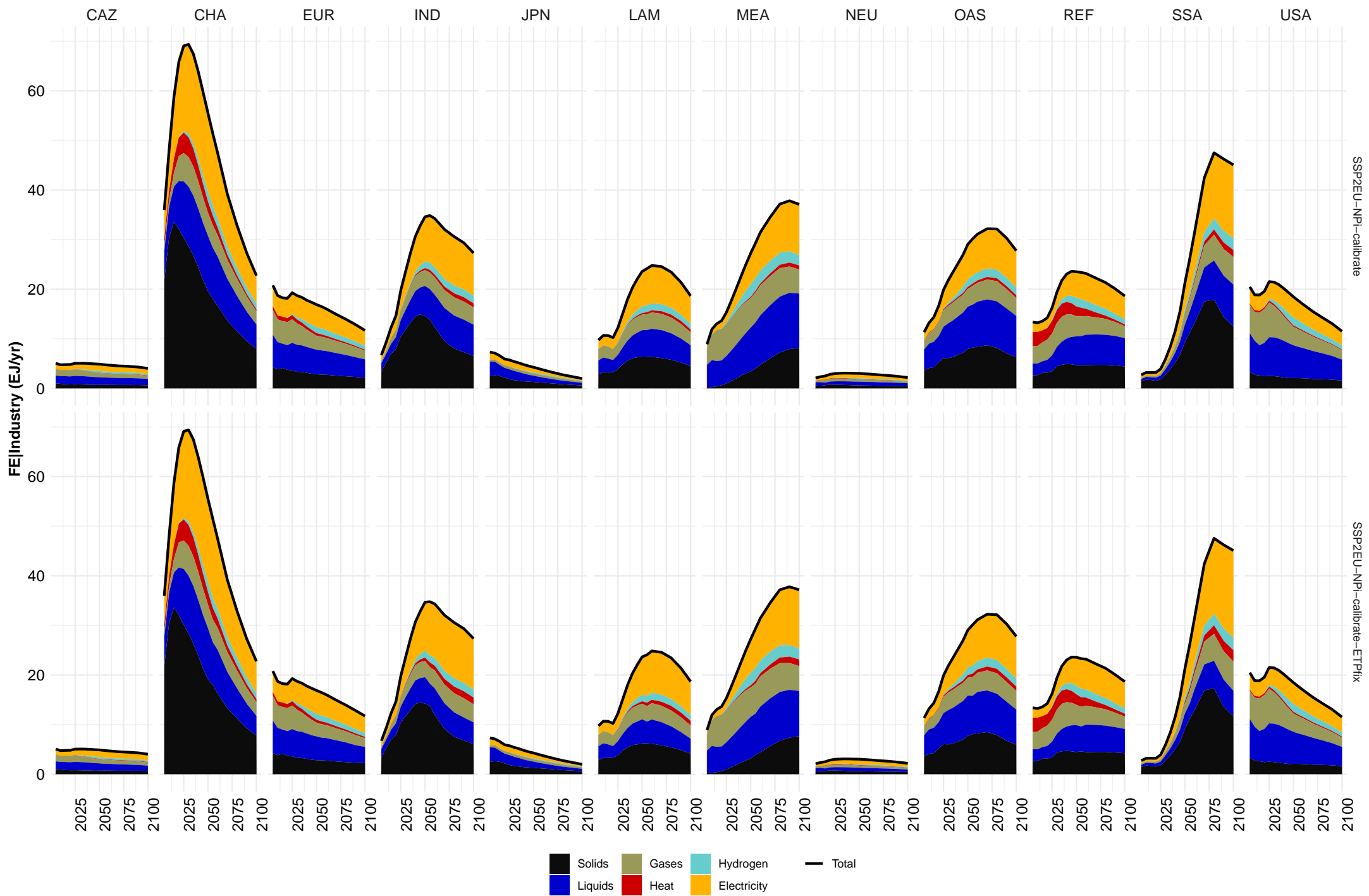
1.9 FE by carrier (detailed)



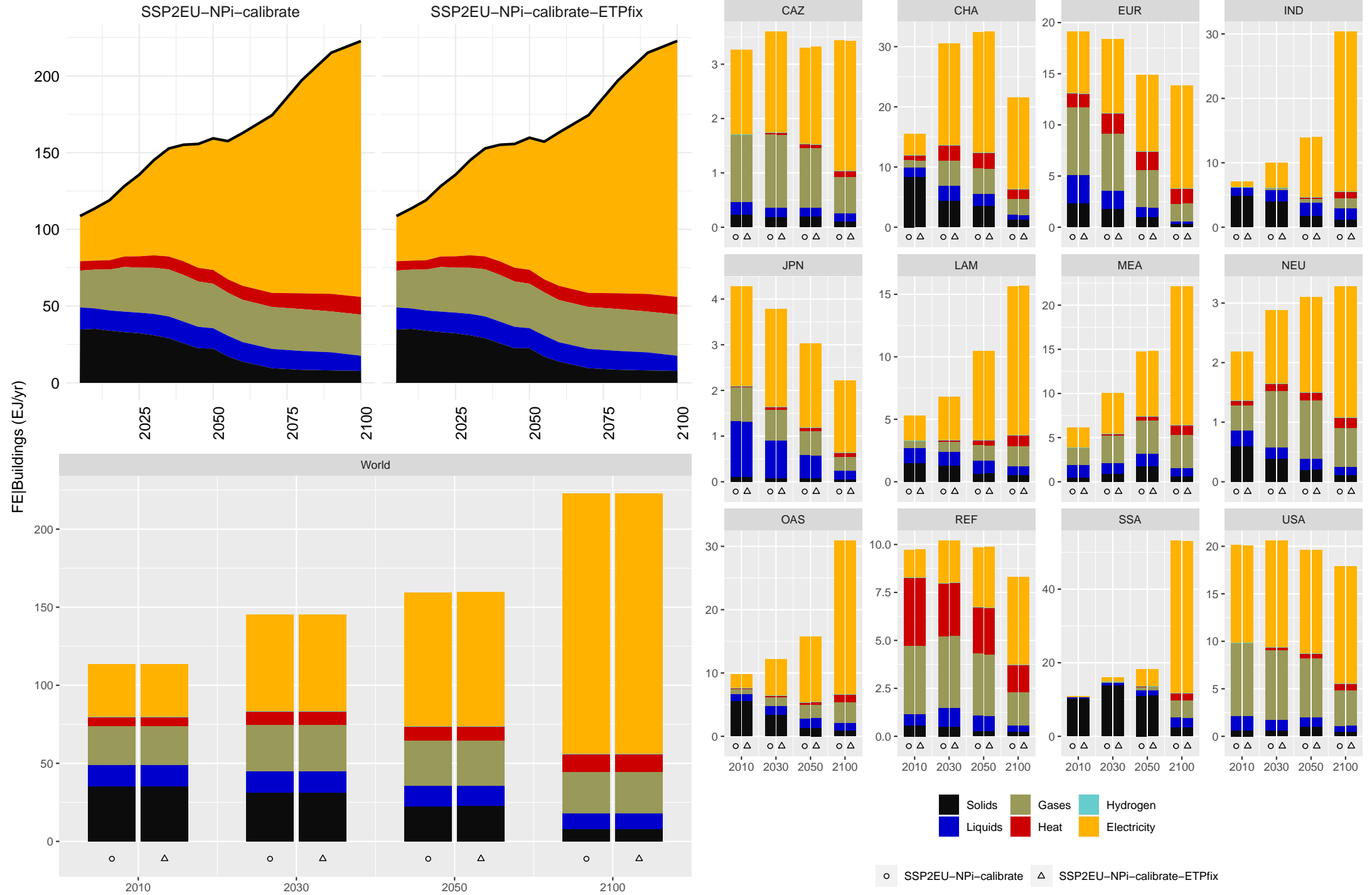


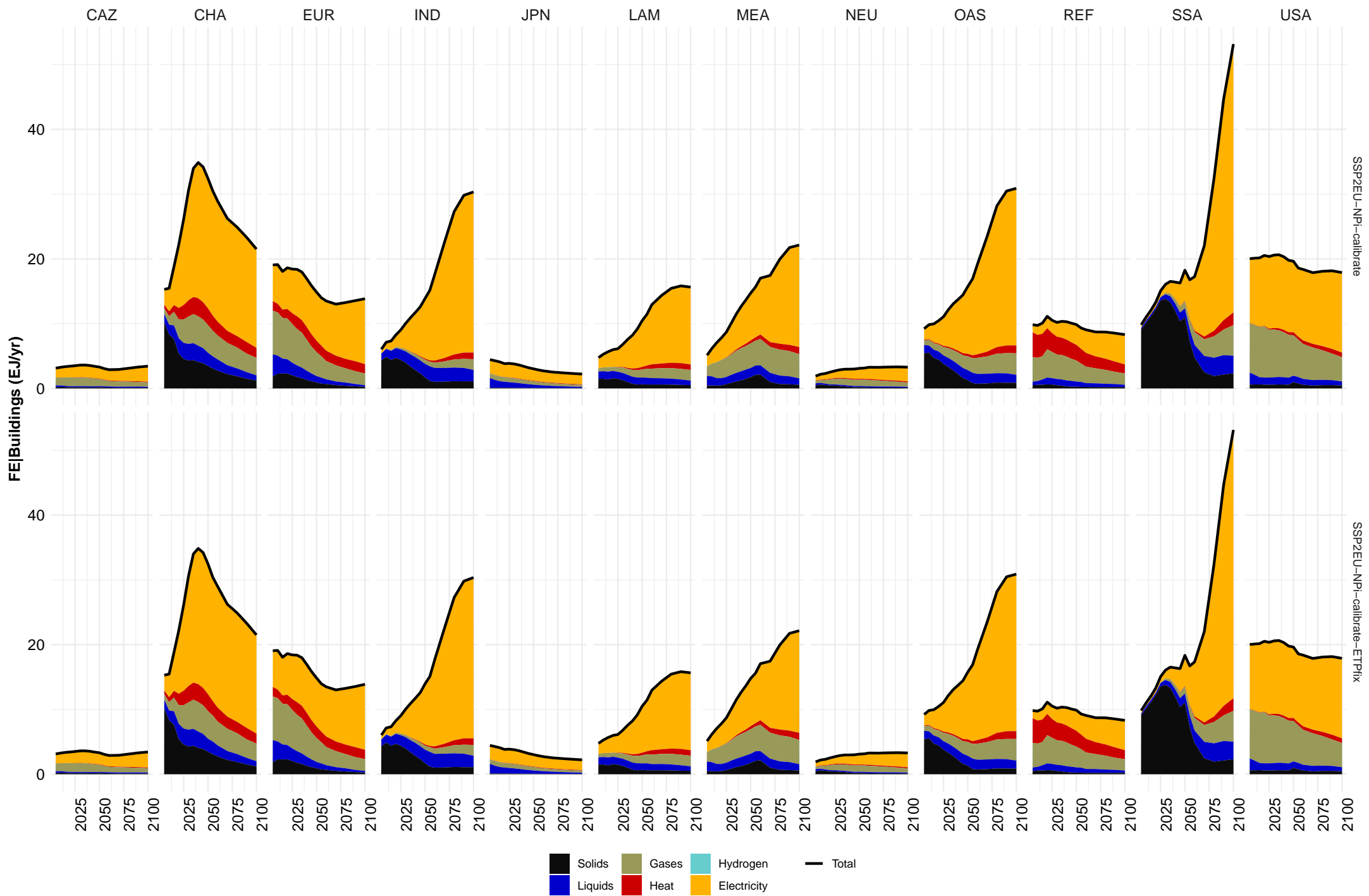
1.10 FE Industry by carrier (incl. non-energy use)



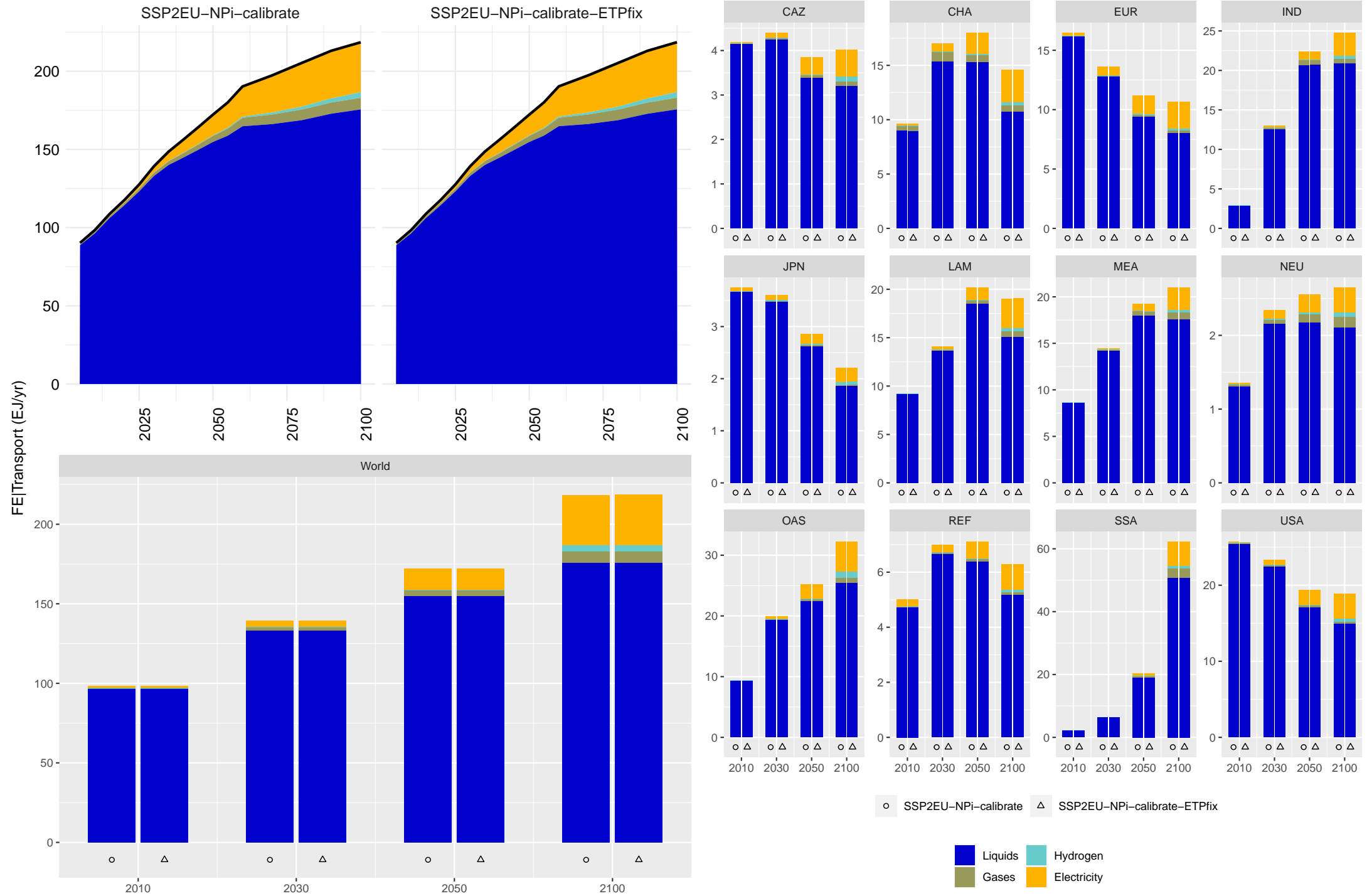


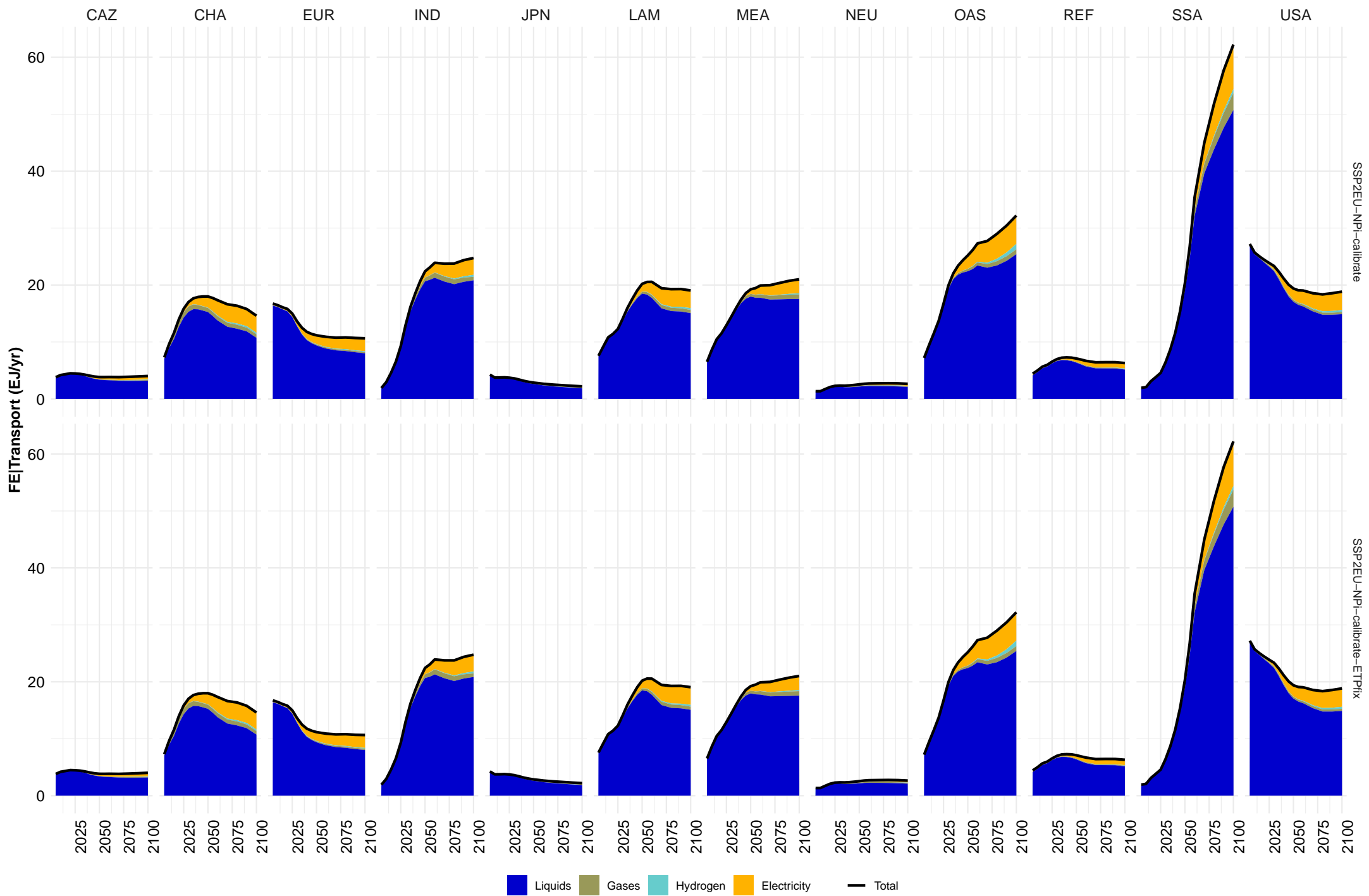
1.11 FE Buildings by carrier



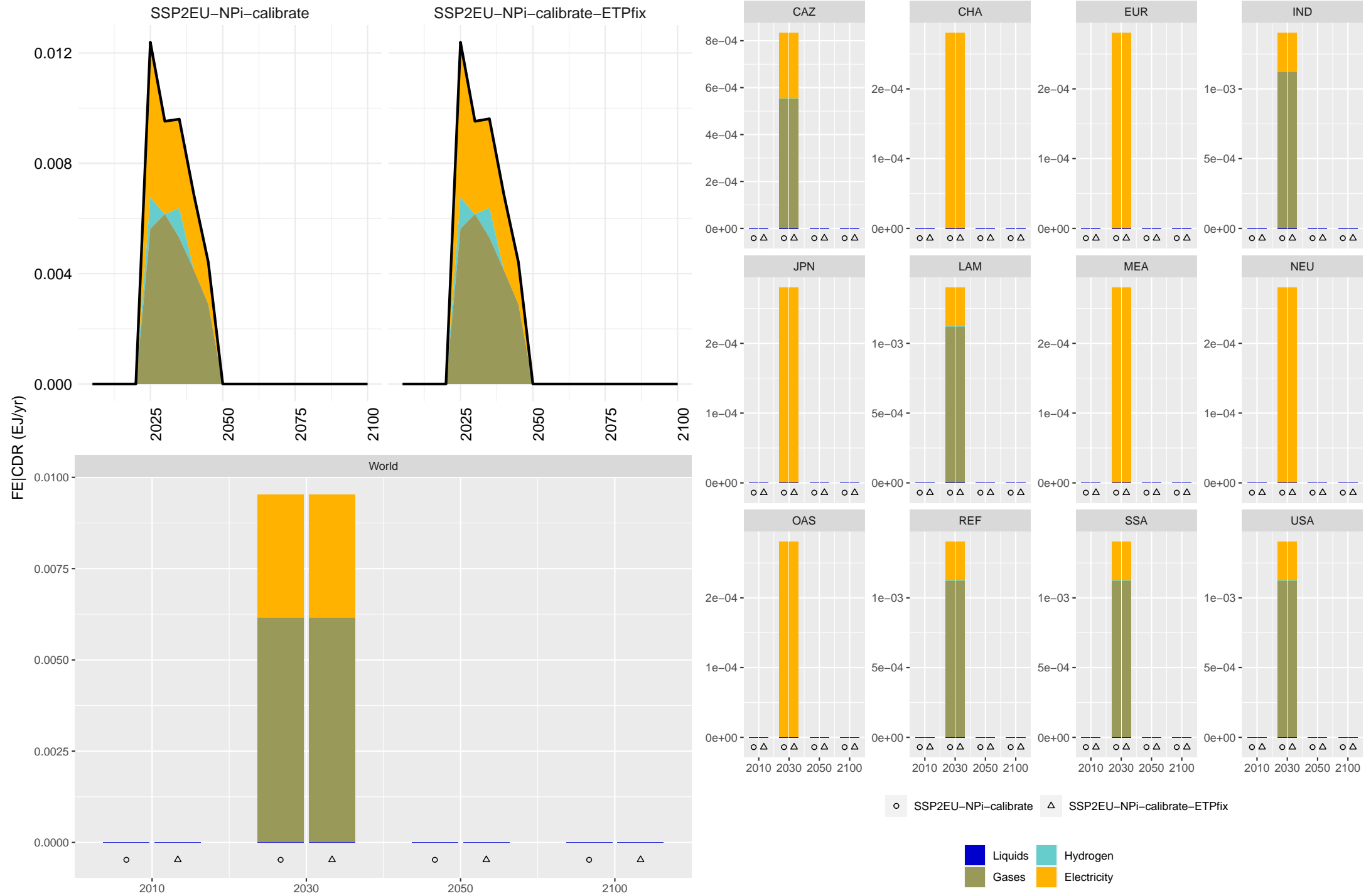


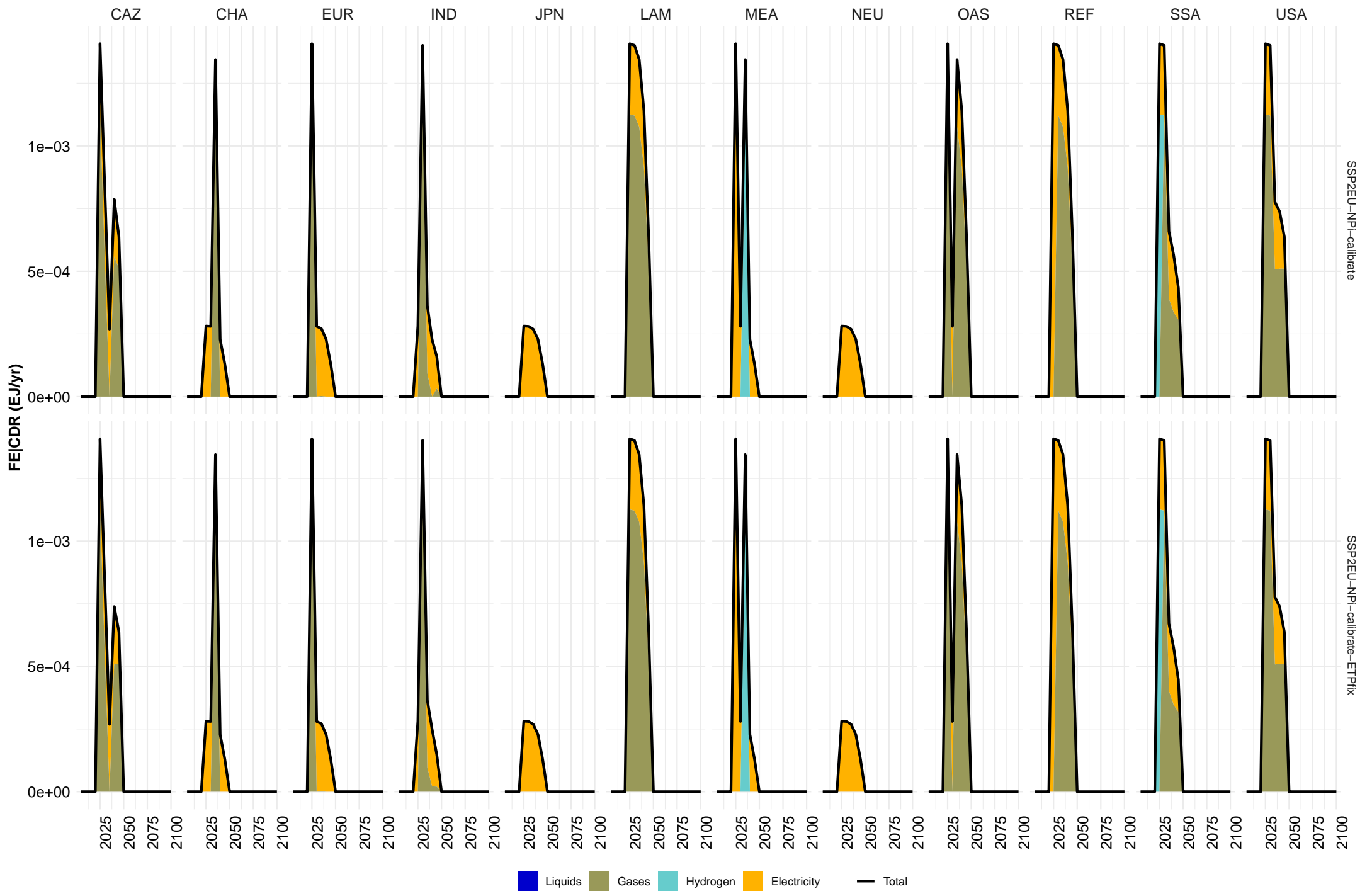
1.12 FE Transport by carrier



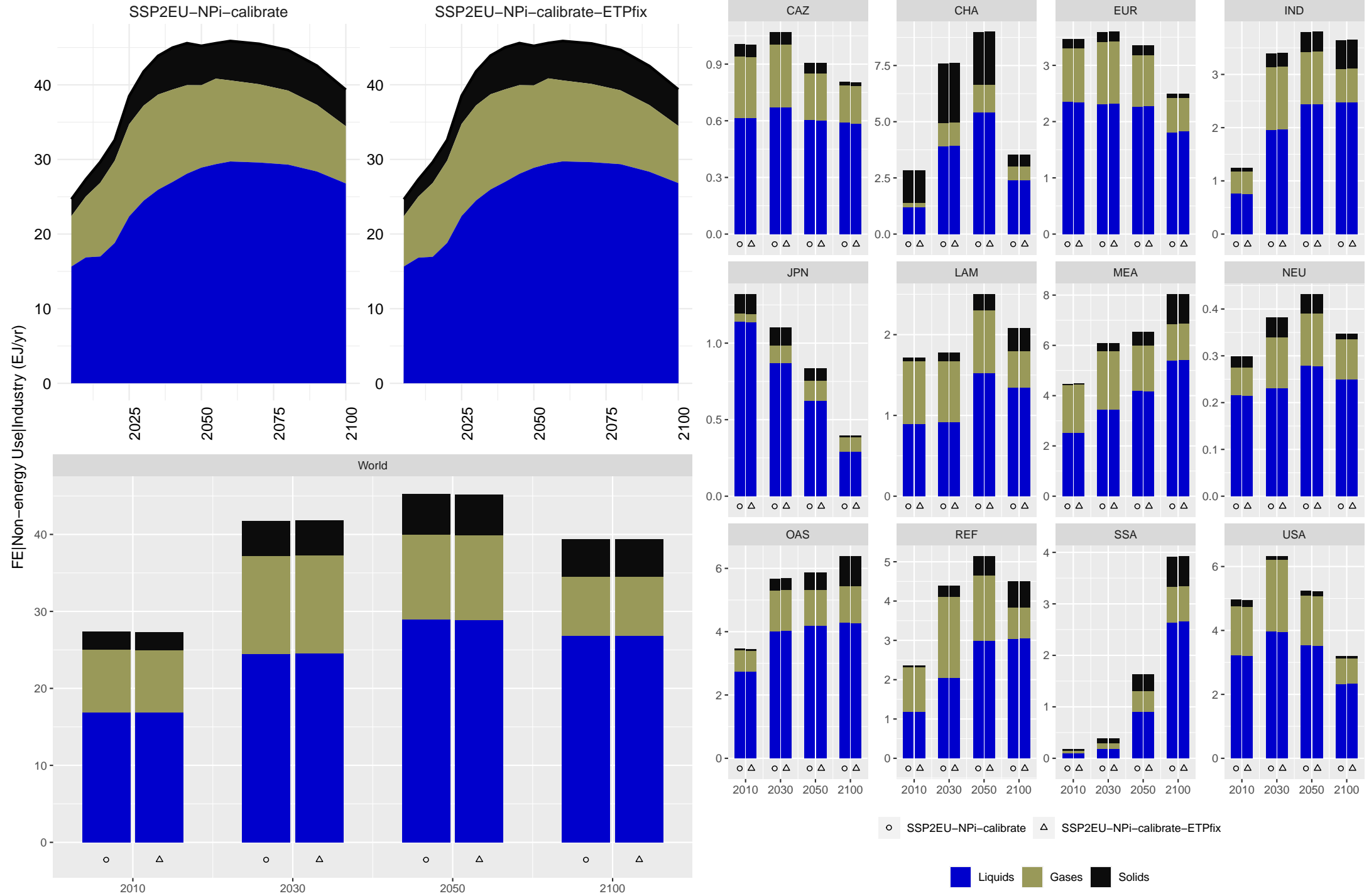


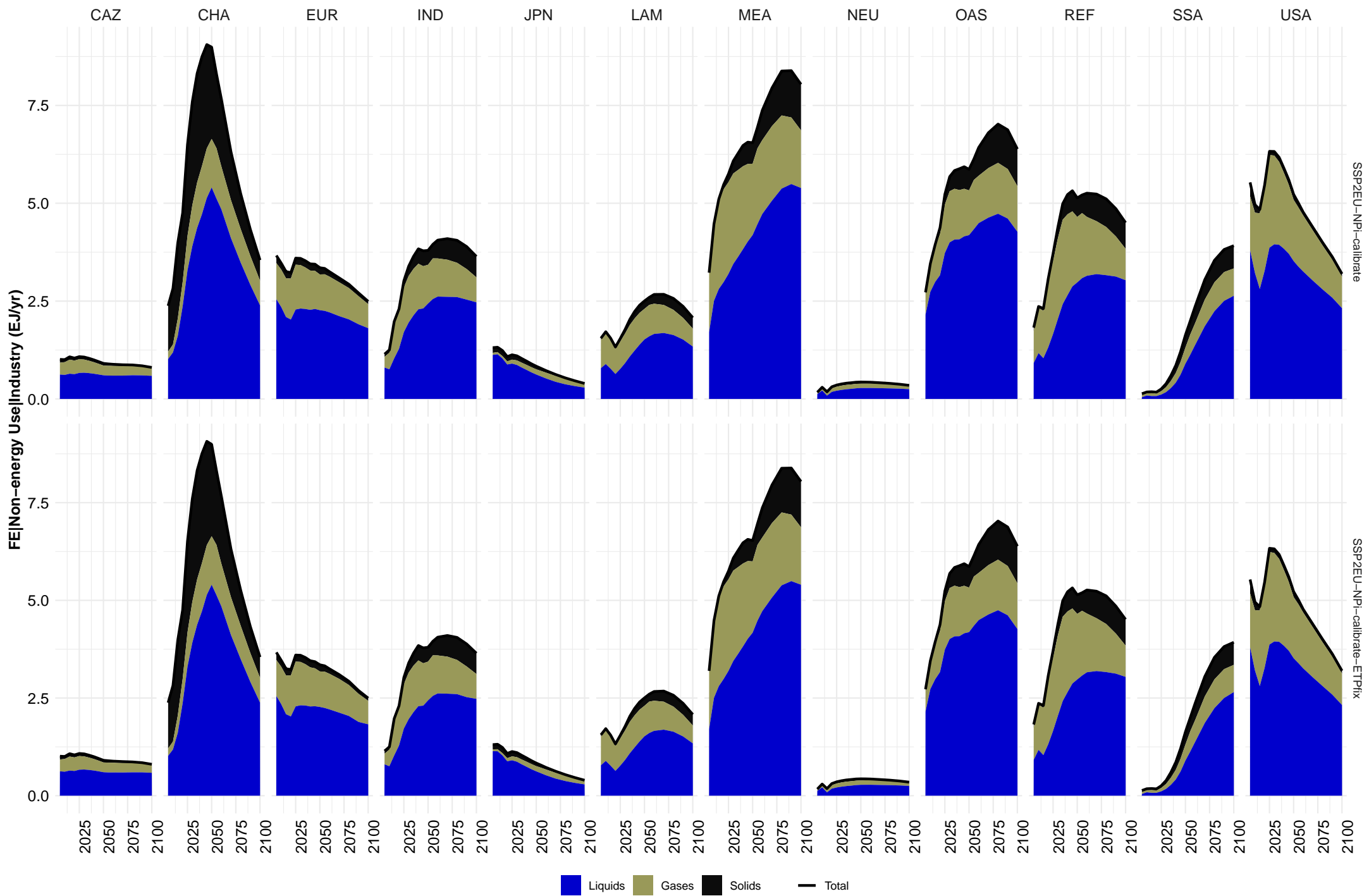
1.13 FE CDR by carrier



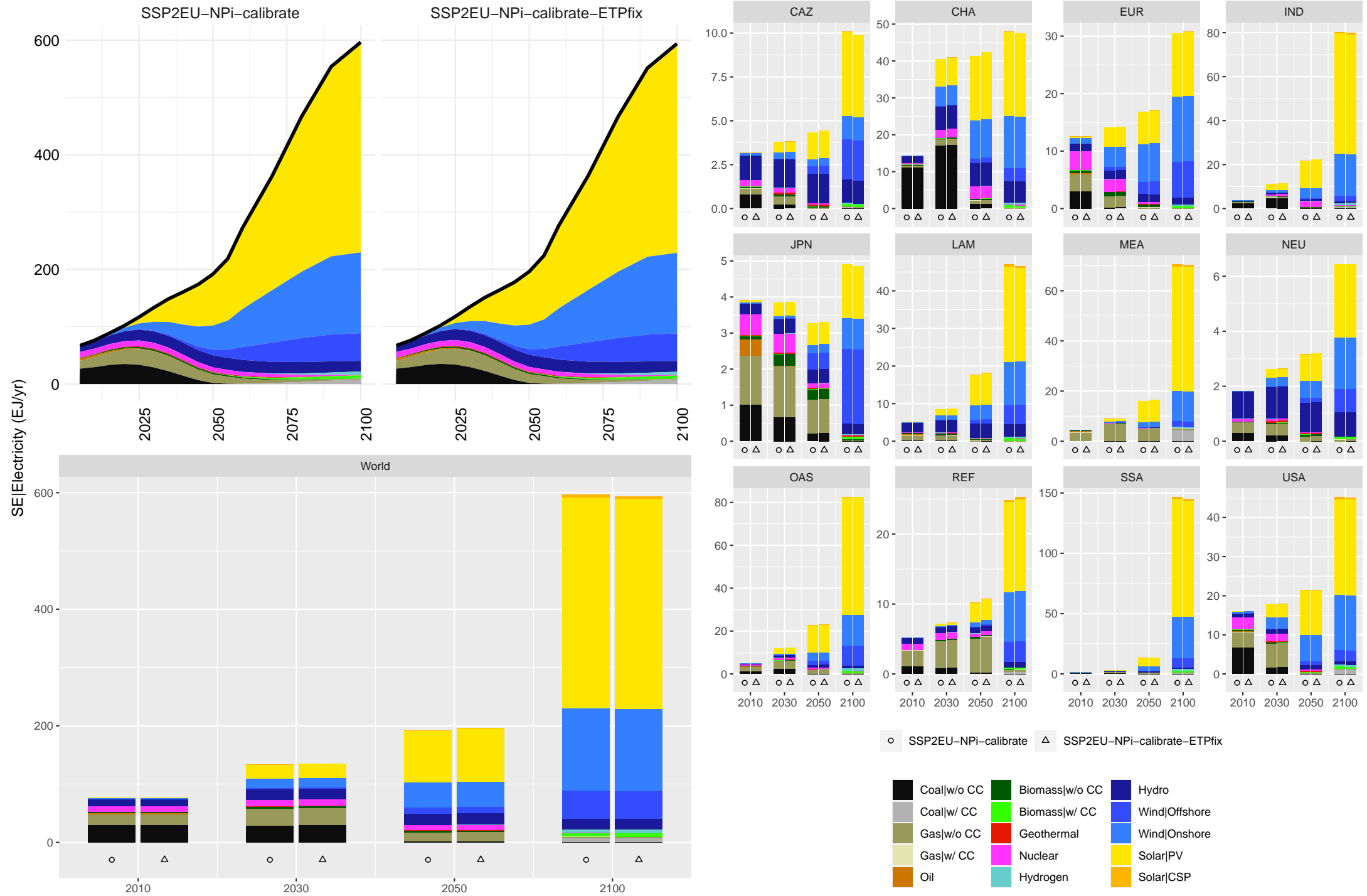


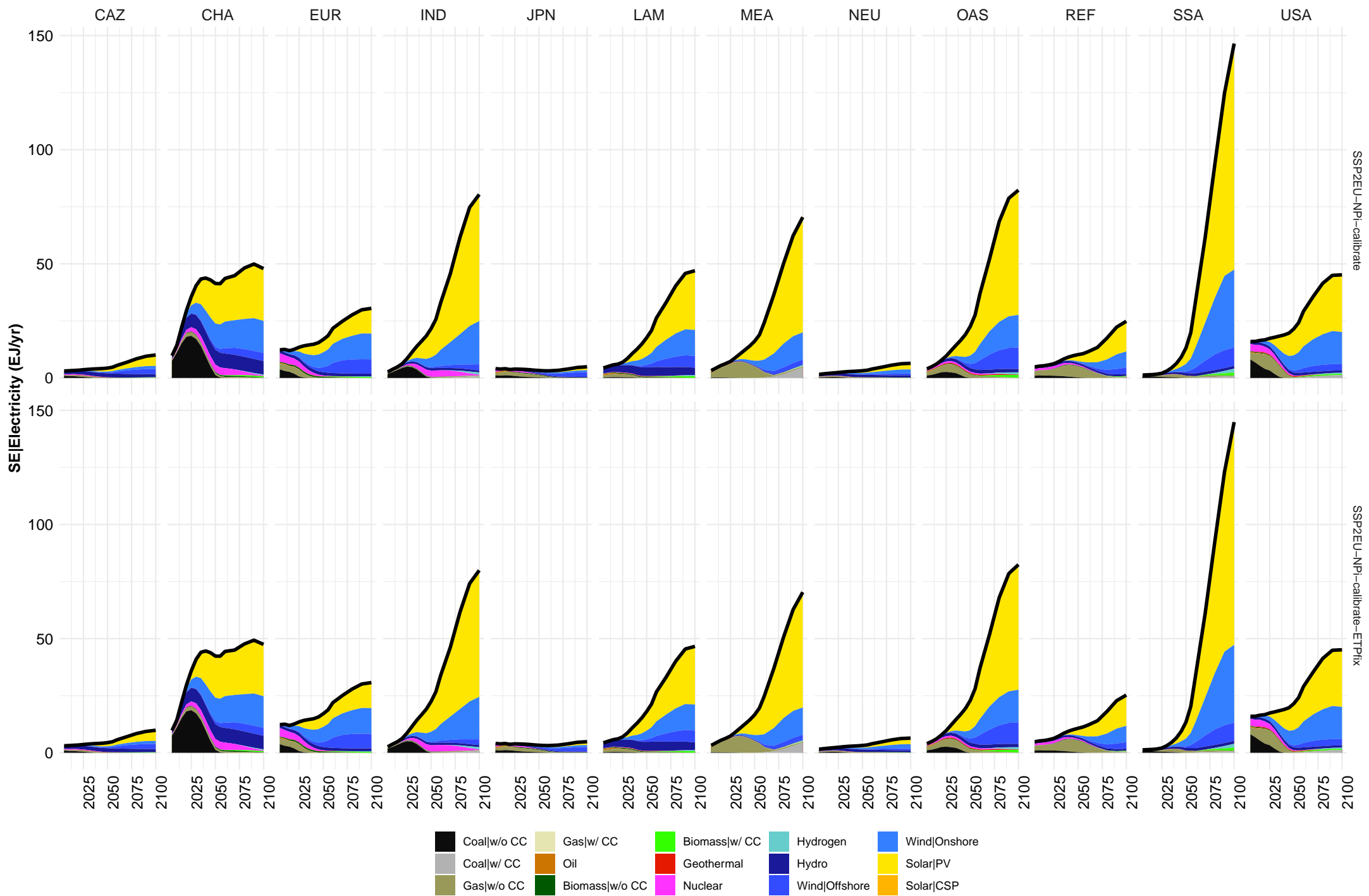
1.14 FE Non-energy Use by carrier



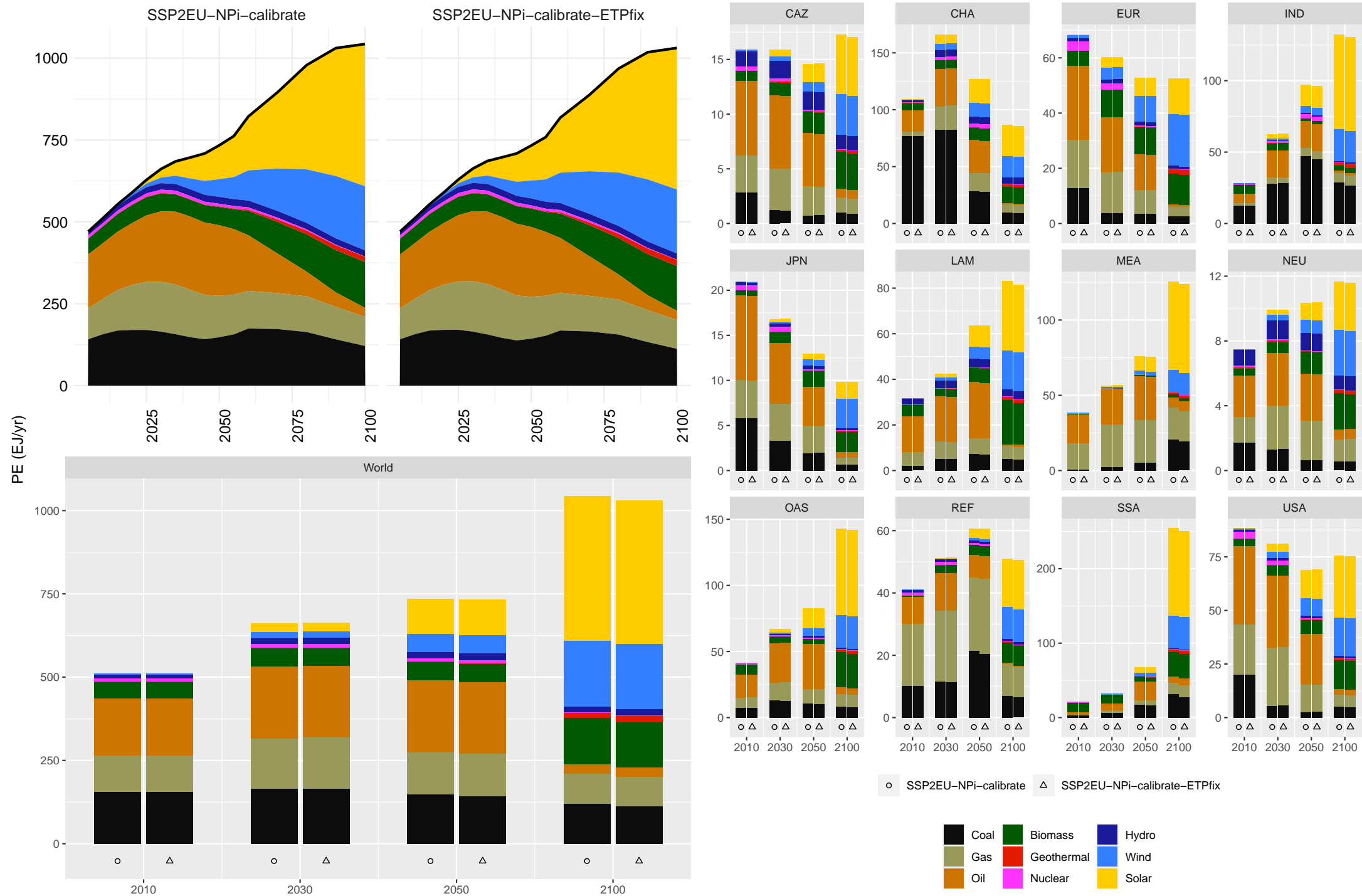


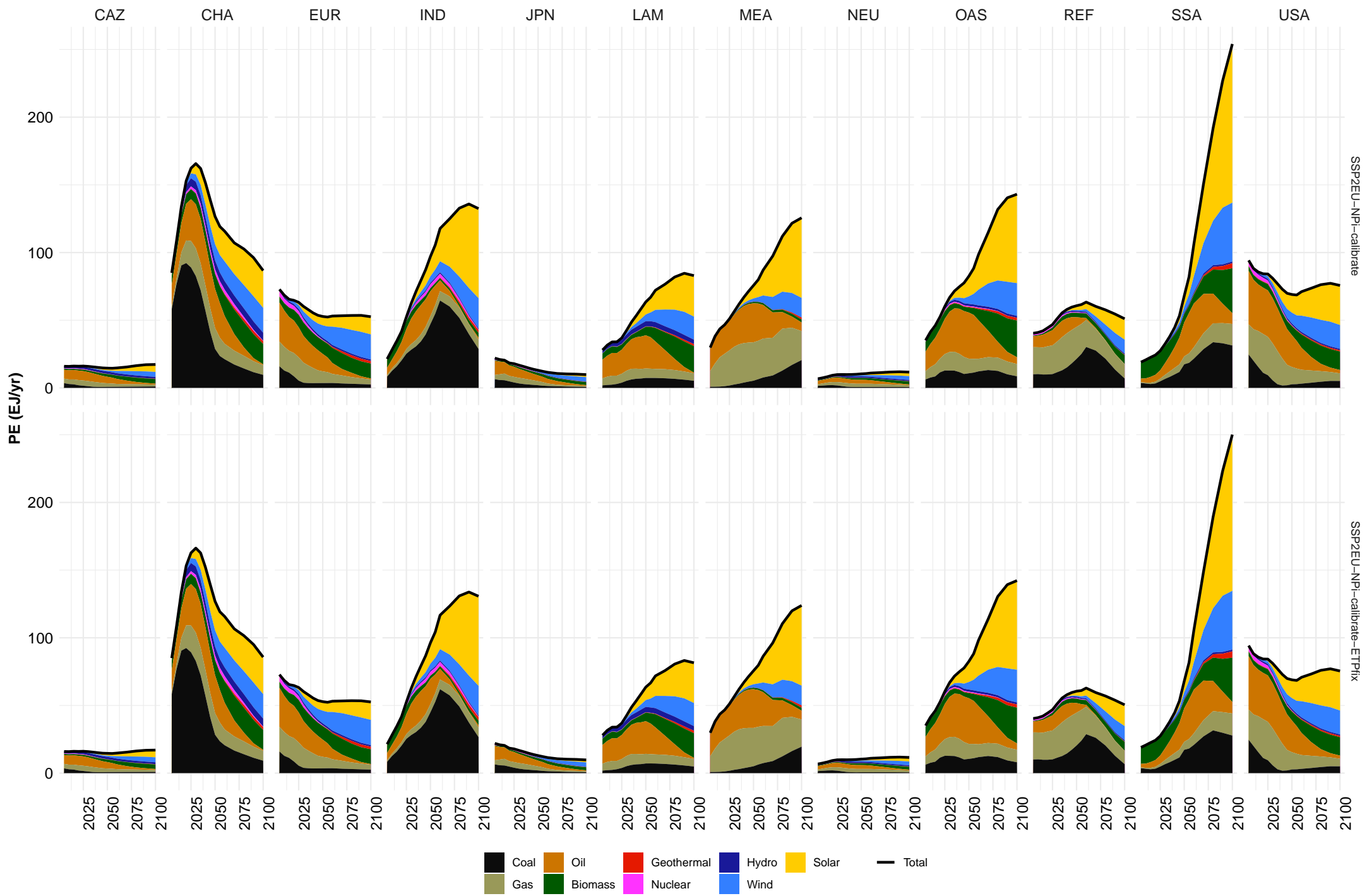
1.15 SE Electricity by carrier



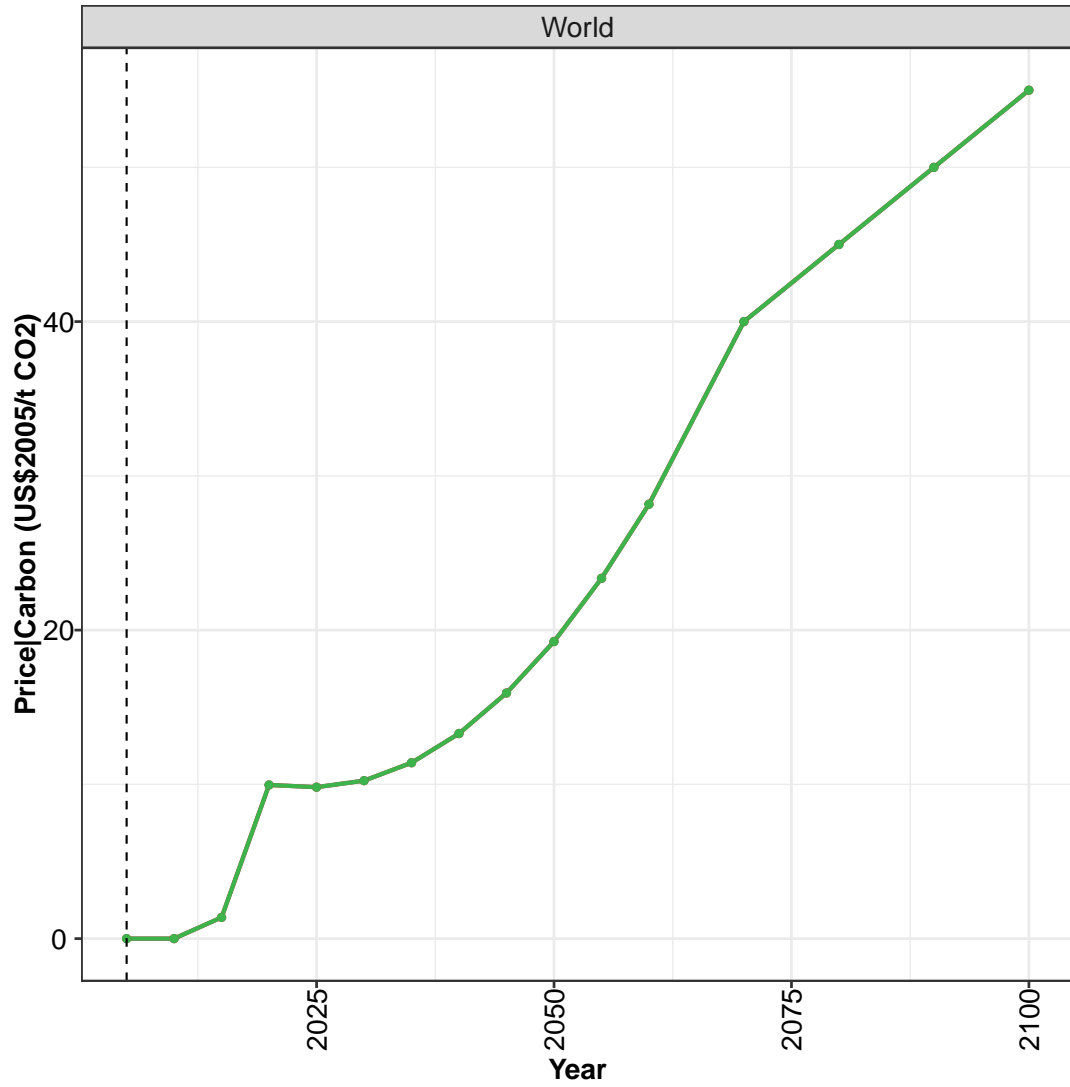


1.16 PE by carrier





1.17 CO2 Prices

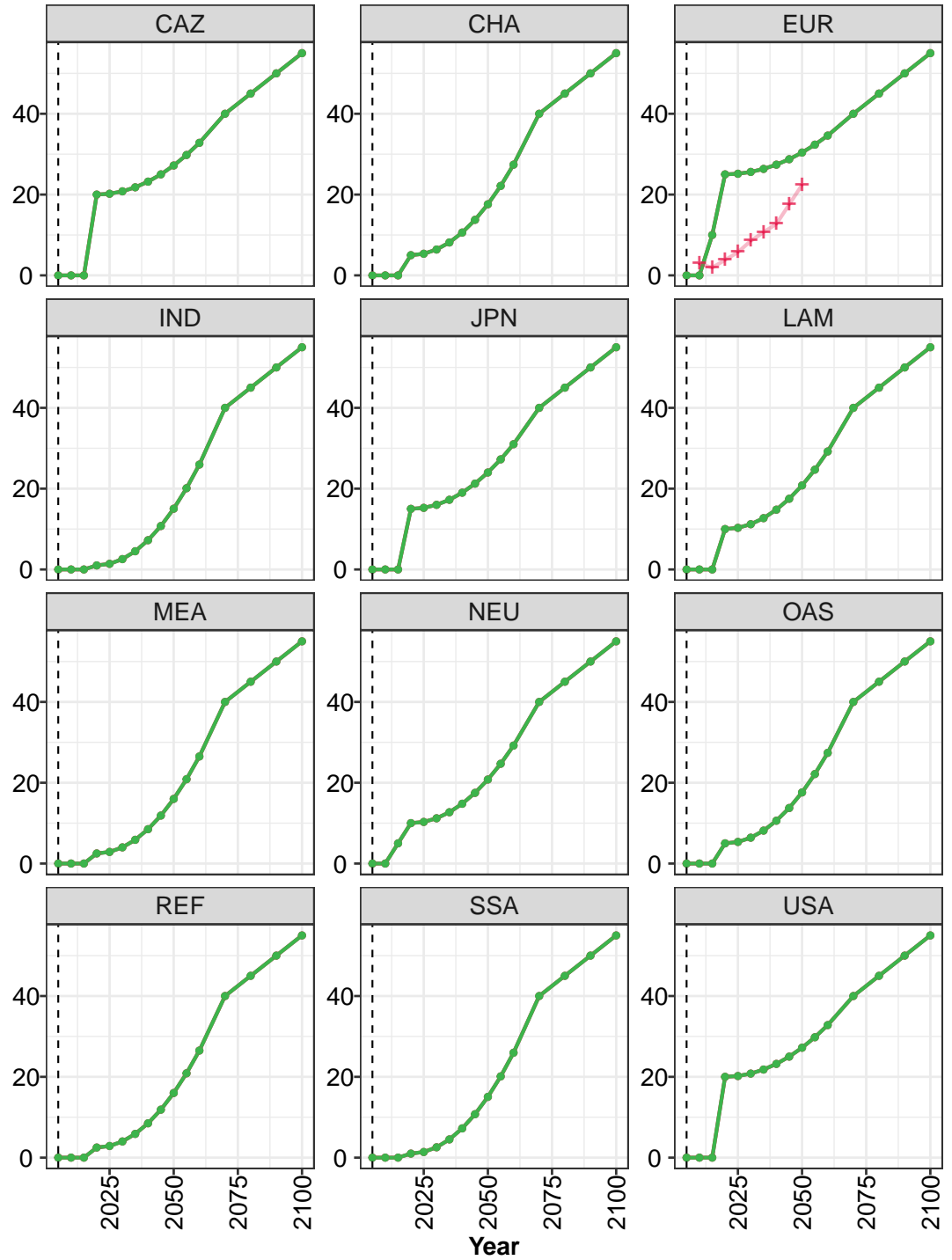


Model: REMIND

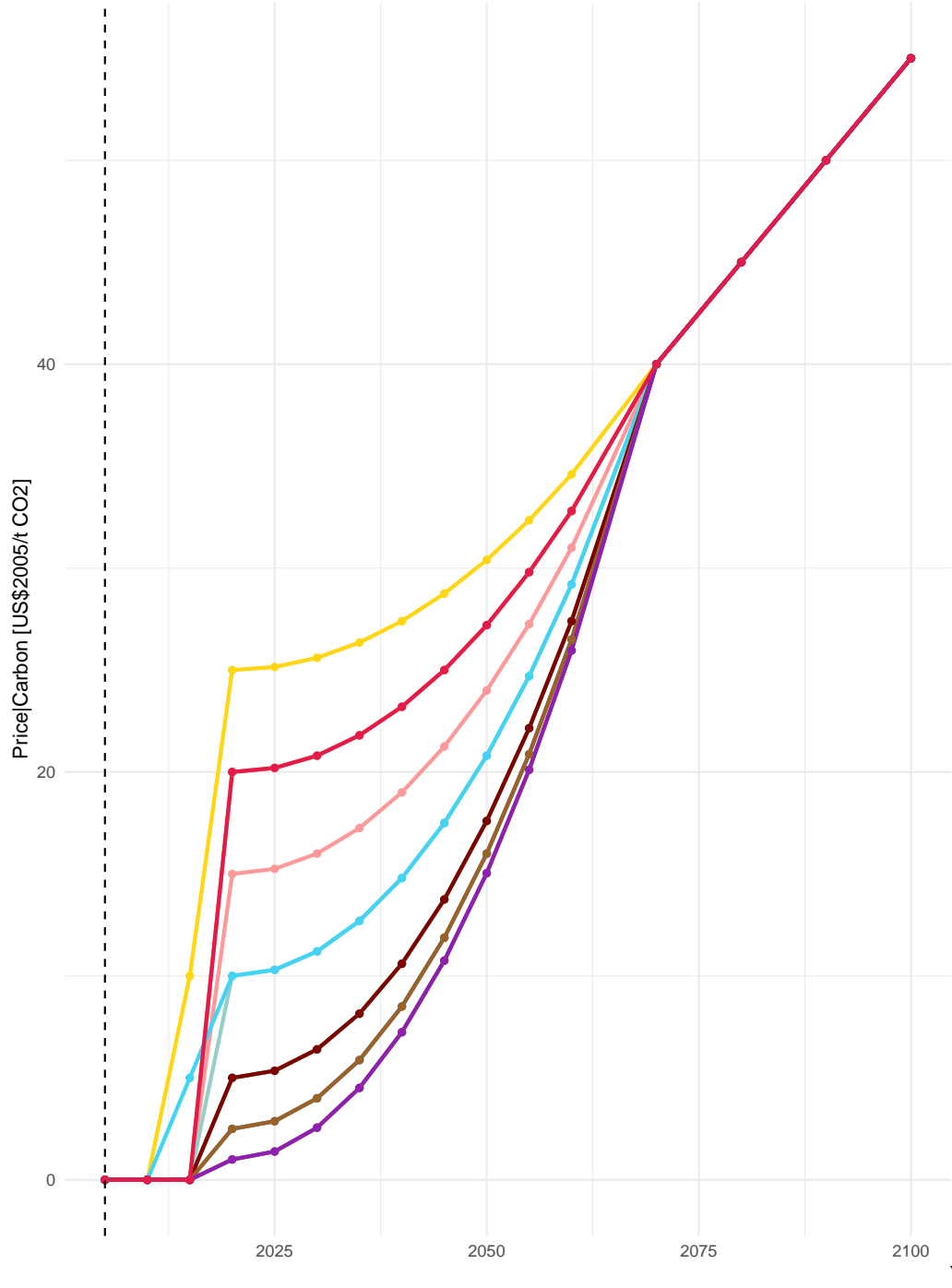
- +— SSP2EU-NPi-calibrate
- +— SSP2EU-NPi-calibrate-ETPfix

Historical data

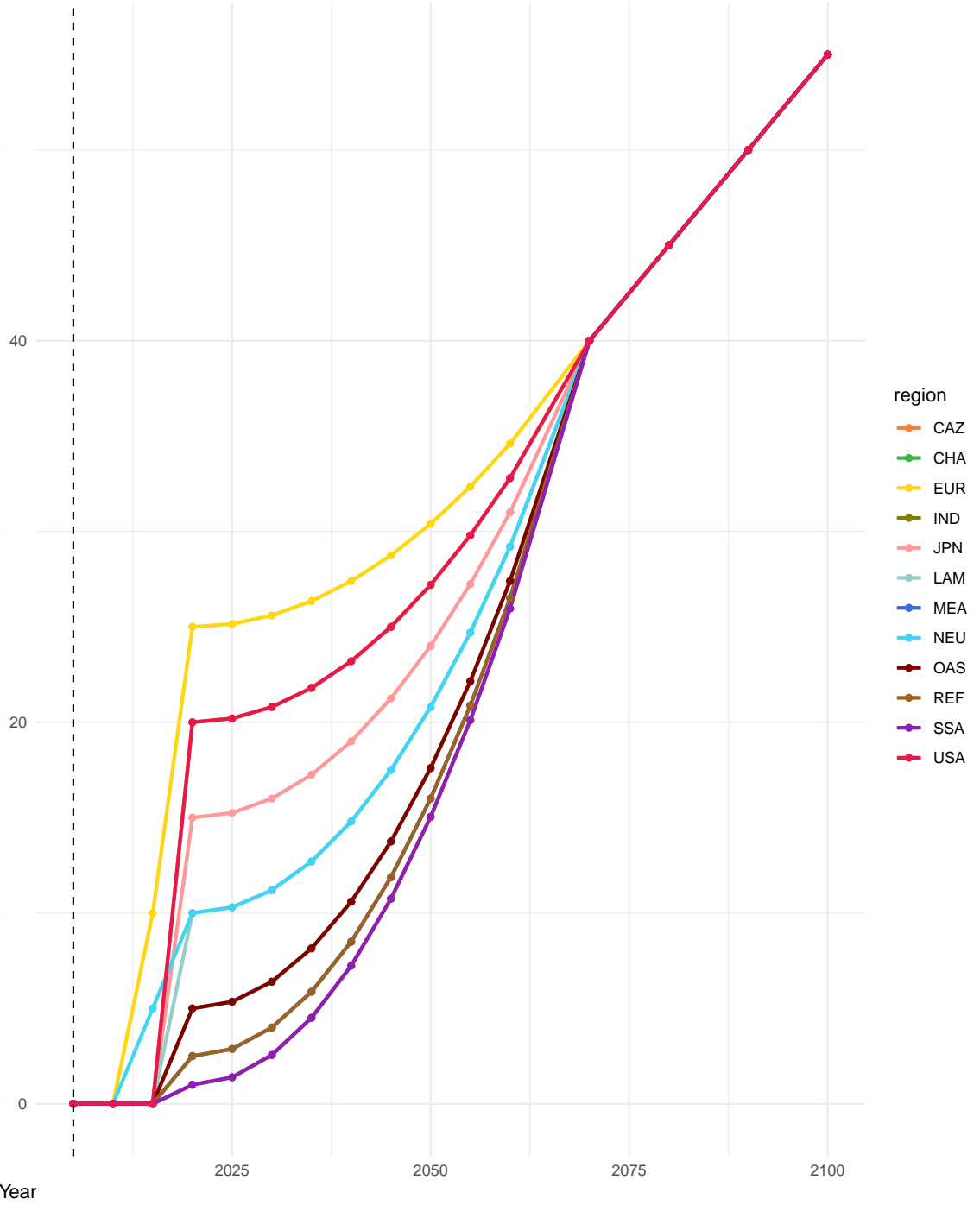
- + INNOPATHS



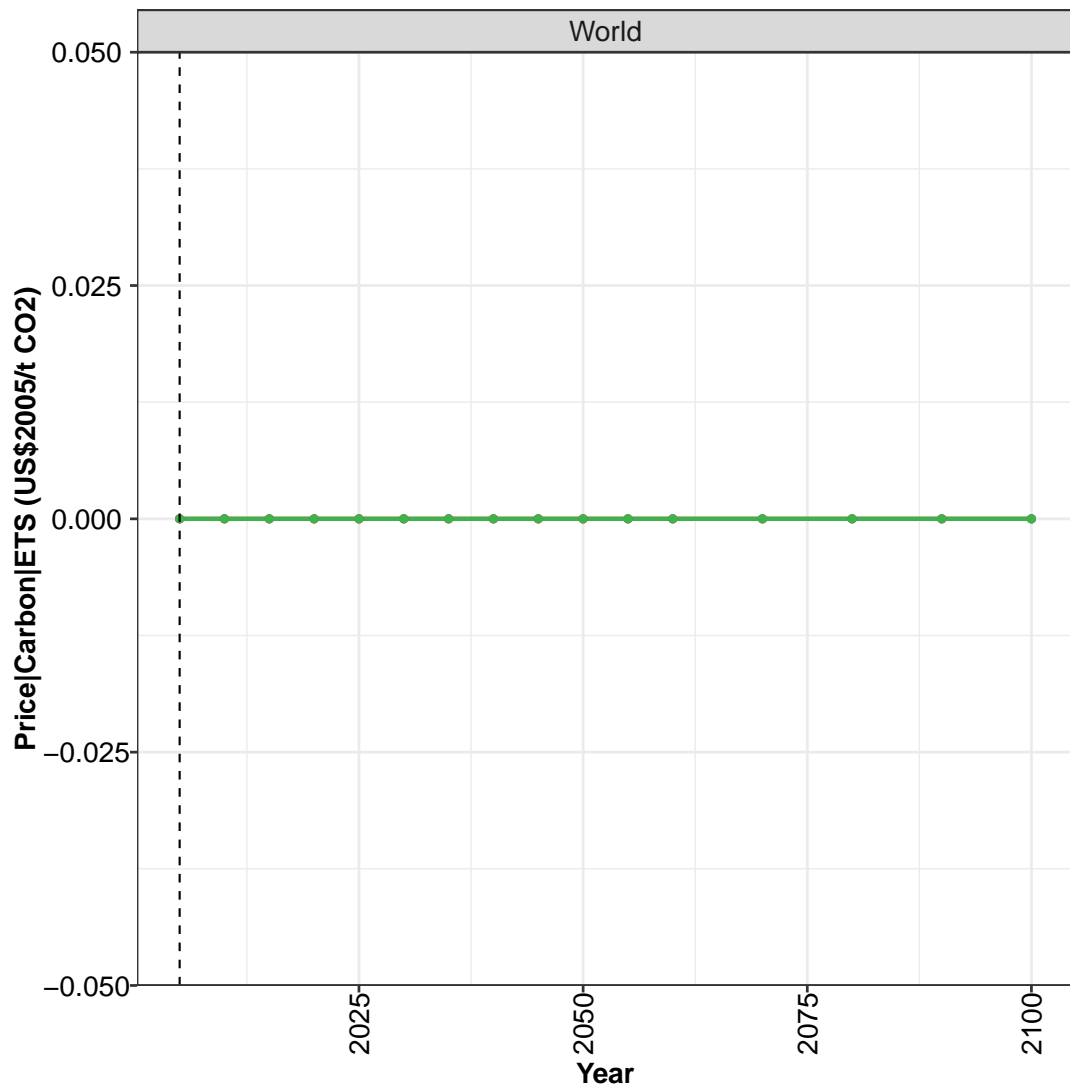
SSP2EU-NPi-calibrate



SSP2EU-NPi-calibrate-ETPfix

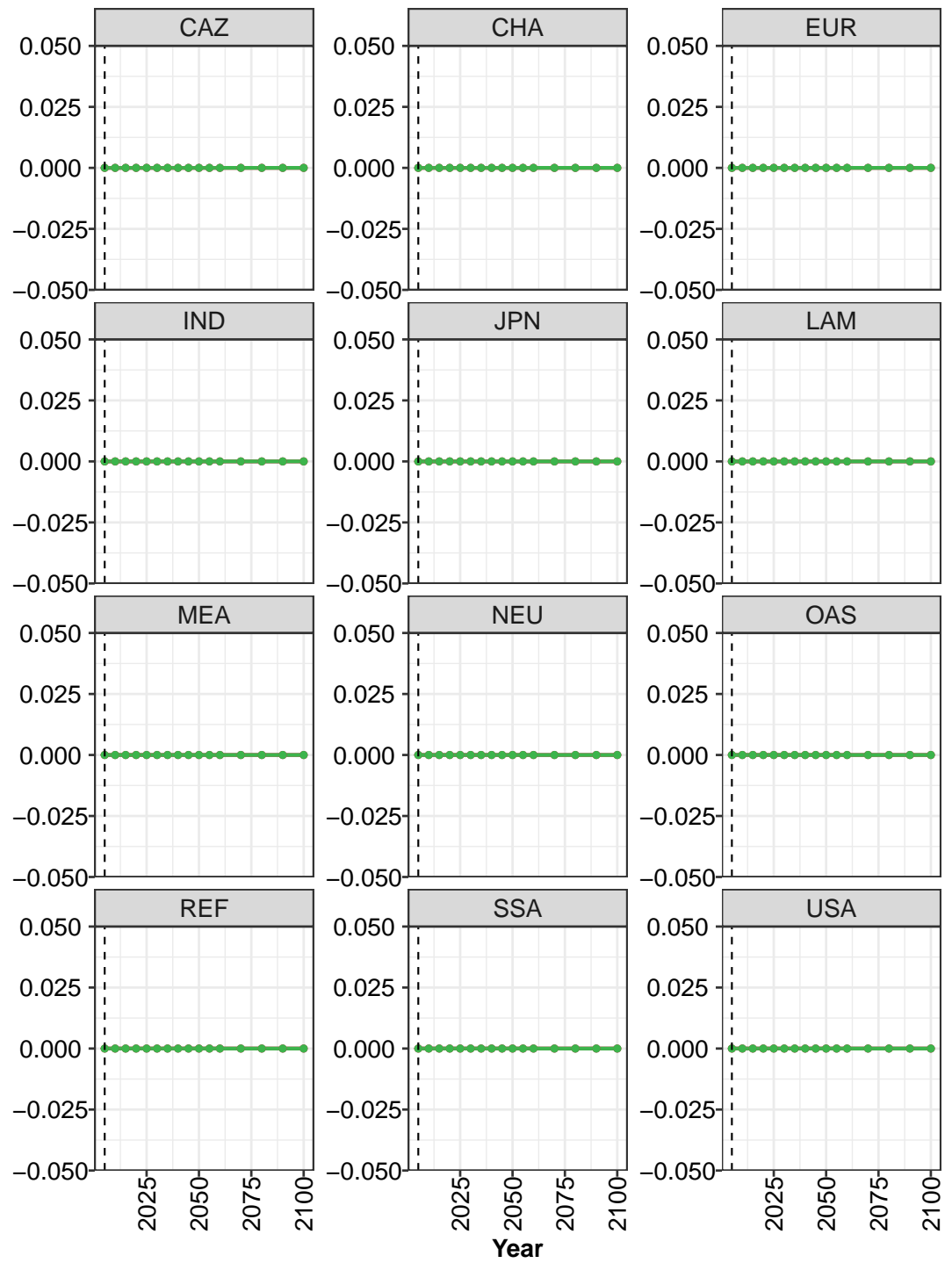


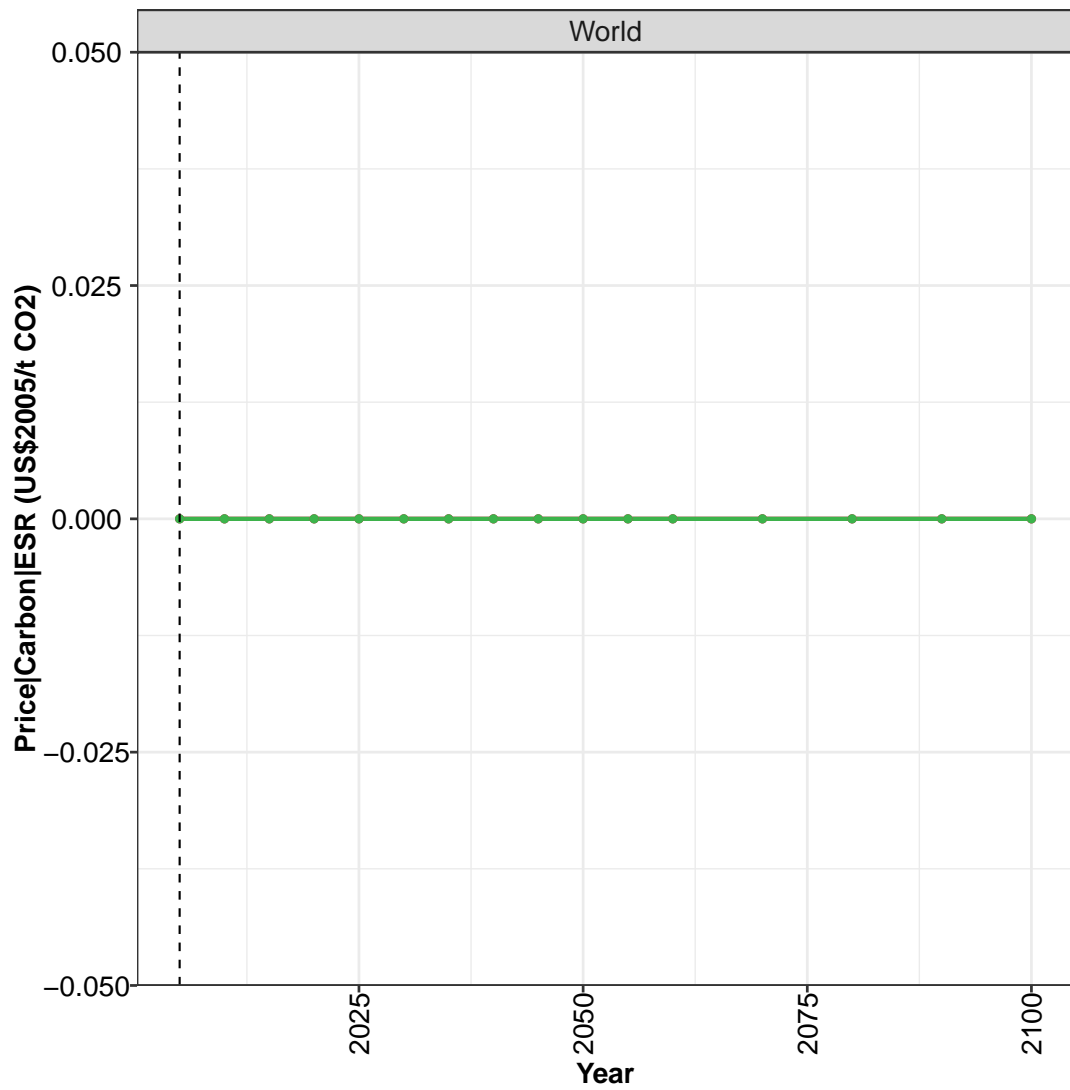
- region
- CAZ
- CHA
- EUR
- IND
- JPN
- LAM
- MEA
- NEU
- OAS
- REF
- SSA
- USA



Model: REMIND

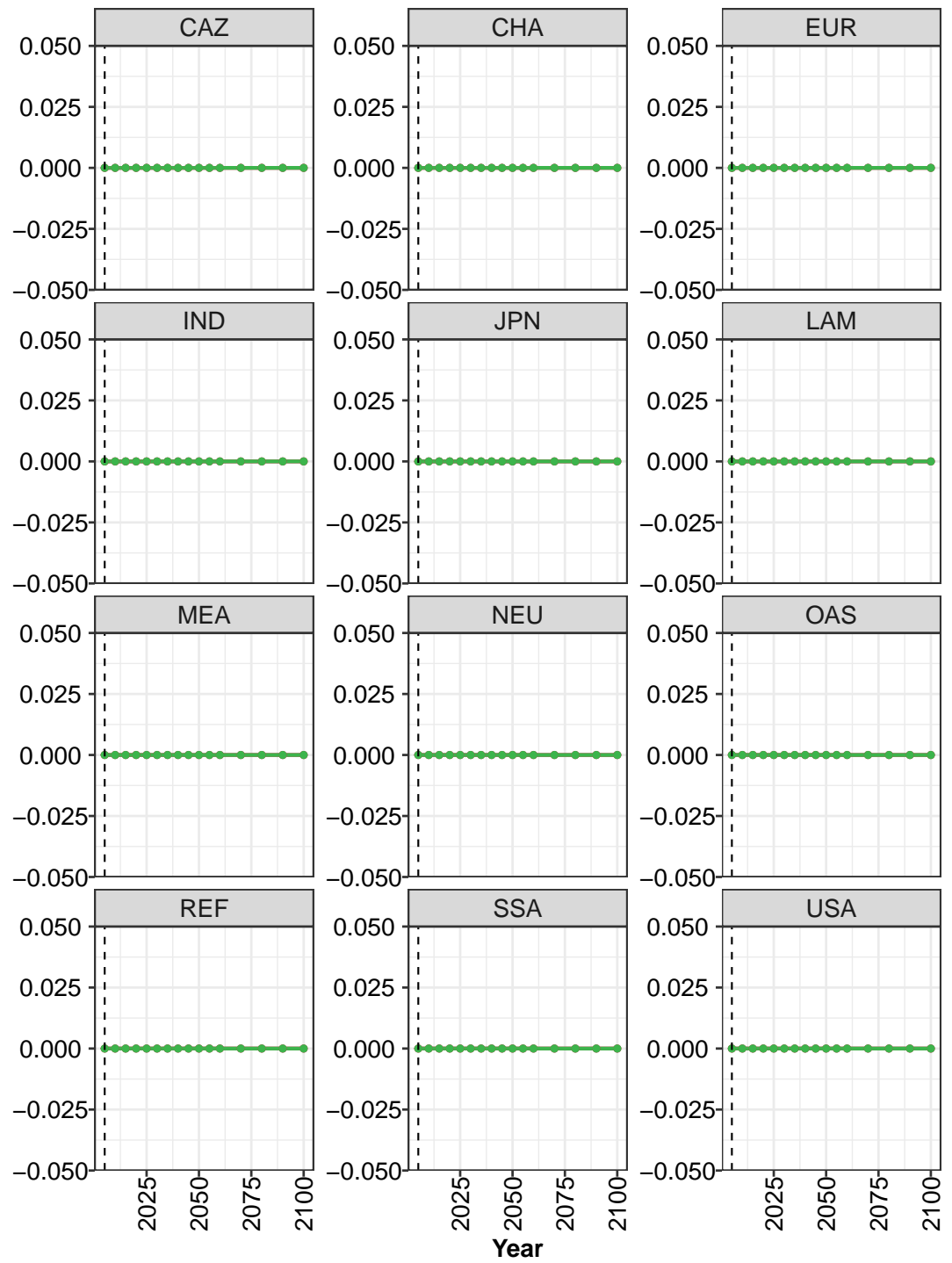
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix





Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



1.18 Policy Costs

1.19 Tables of Significant Periods

Every statistic in the following tables, e.g., max, min, is taken over the REMIND model outputs only (no historical data).

1.19.1 Emi|CO2: Max, Min, and Net 0

Table 1: Emi|CO2 [Gt CO2/yr]: Max Period (Max Value)

region	SSP2EU-NPi-calibrate	SSP2EU-NPi-calibrate-ETPfix
World	2020 (44.52)	2020 (44.55)
CAZ	2005 (1.07)	2005 (1.07)
CHA	2025 (12.39)	2025 (12.42)
EUR	2005 (4.55)	2005 (4.55)
IND	2060 (7.29)	2060 (7.05)
JPN	2005 (1.49)	2005 (1.48)
LAM	2015 (4.60)	2015 (4.60)
MEA	2055 (4.27)	2055 (4.26)
NEU	2025 (0.59)	2025 (0.59)
OAS	2055 (5.08)	2055 (5.10)
REF	2060 (4.18)	2060 (4.04)
SSA	2080 (6.92)	2080 (6.82)
USA	2005 (6.25)	2005 (6.27)

Table 2: Emi|CO2 [Gt CO2/yr]: Min Period (Min Value)

region	SSP2EU-NPi-calibrate	SSP2EU-NPi-calibrate-ETPfix
World	2100 (22.65)	2100 (21.85)
CAZ	2100 (0.29)	2100 (0.28)
CHA	2100 (1.61)	2100 (1.59)
EUR	2100 (0.82)	2100 (0.82)
IND	2005 (1.28)	2005 (1.28)
JPN	2100 (0.15)	2100 (0.15)
LAM	2100 (0.82)	2100 (0.81)
MEA	2005 (1.86)	2005 (1.86)
NEU	2100 (0.21)	2100 (0.22)
OAS	2100 (2.48)	2100 (2.43)
REF	2100 (1.58)	2100 (1.52)
SSA	2005 (1.17)	2005 (1.17)
USA	2100 (1.07)	2100 (1.06)

Table 3: Emi|CO2 [Mt CO2/yr]: Net 0 Period, i.e., first period with < 2% of 2005 value

region	SSP2EU-NPi-calibrate	SSP2EU-NPi-calibrate-ETPfix
World	NA	NA
CAZ	NA	NA
CHA	NA	NA
EUR	NA	NA
IND	NA	NA
JPN	NA	NA
LAM	NA	NA
MEA	NA	NA
NEU	NA	NA
OAS	NA	NA
REF	NA	NA
SSA	NA	NA
USA	NA	NA

Table 4: Emi|GHG [Gt CO₂eq/yr]: Max Period (Max Value)

region	SSP2EU-NPi-calibrate	SSP2EU-NPi-calibrate-ETPfix
World	2020 (58.76)	2020 (58.80)
CAZ	2015 (1.55)	2015 (1.55)
CHA	2025 (15.04)	2025 (15.07)
EUR	2005 (5.55)	2005 (5.55)
IND	2060 (9.28)	2060 (9.04)
JPN	2005 (1.60)	2005 (1.59)
LAM	2015 (6.42)	2015 (6.42)
MEA	2050 (5.36)	2050 (5.34)
NEU	2025 (0.74)	2025 (0.74)
OAS	2055 (6.91)	2055 (6.93)
REF	2060 (4.97)	2050 (4.87)
SSA	2080 (9.66)	2080 (9.56)
USA	2005 (7.48)	2005 (7.50)

Table 5: Emi|GHG [Gt CO₂eq/yr]: Min Period (Min Value)

region	SSP2EU-NPi-calibrate	SSP2EU-NPi-calibrate-ETPfix
World	2100 (33.93)	2100 (33.10)
CAZ	2100 (0.76)	2100 (0.75)
CHA	2100 (2.47)	2100 (2.44)
EUR	2100 (1.39)	2100 (1.39)
IND	2005 (2.25)	2005 (2.25)
JPN	2100 (0.20)	2100 (0.20)
LAM	2100 (2.11)	2100 (2.09)
MEA	2005 (2.65)	2005 (2.65)
NEU	2100 (0.32)	2100 (0.32)
OAS	2100 (4.13)	2100 (4.09)
REF	2100 (2.09)	2100 (2.02)
SSA	2005 (2.22)	2005 (2.22)
USA	2100 (1.75)	2100 (1.74)

Table 6: Emi|GHG [Mt CO2eq/yr]: Net 0 Period, i.e., first period with < 2% of 2005 value

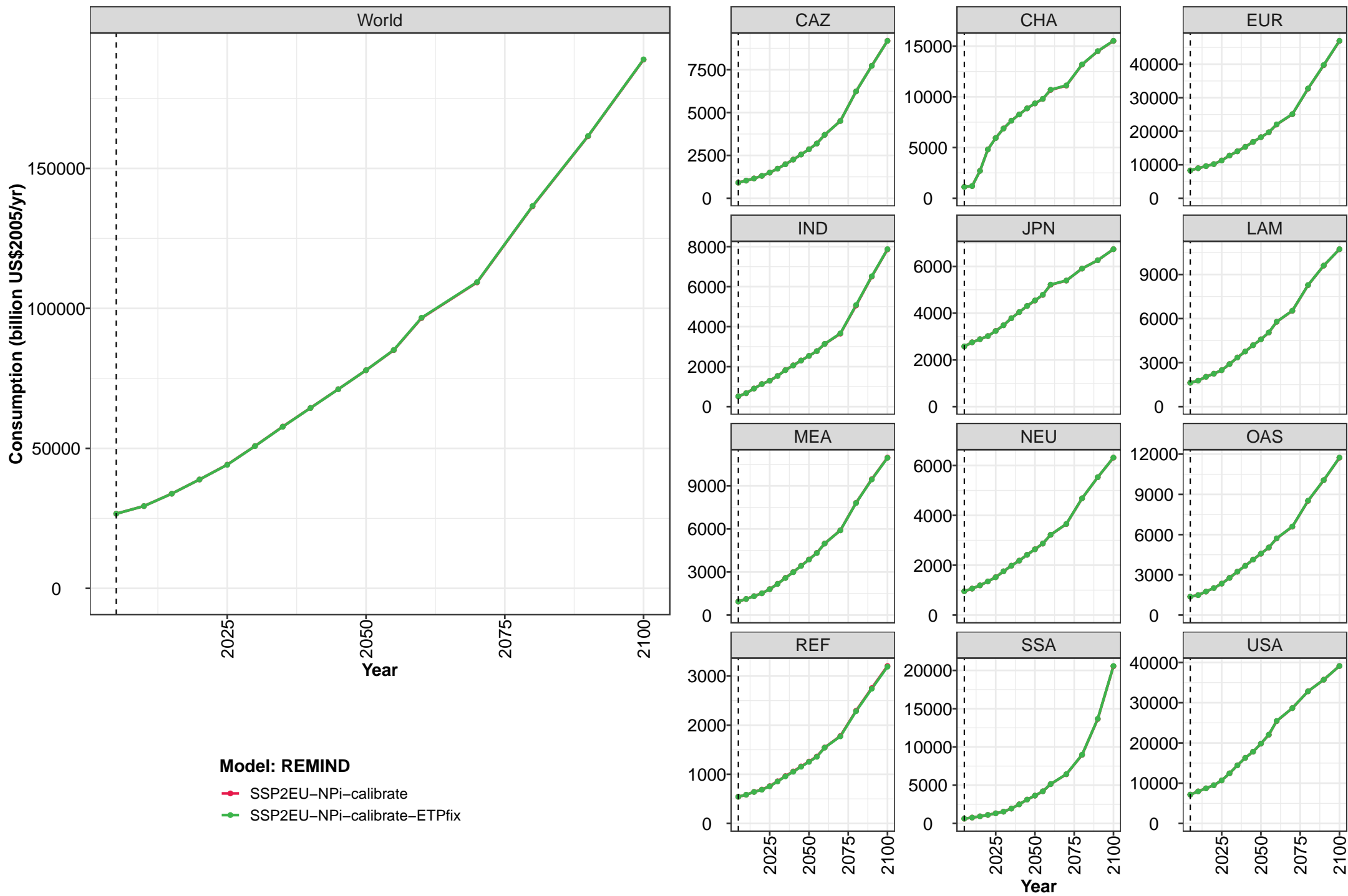
region	SSP2EU-NPi-calibrate	SSP2EU-NPi-calibrate-ETPfix
World	NA	NA
CAZ	NA	NA
CHA	NA	NA
EUR	NA	NA
IND	NA	NA
JPN	NA	NA
LAM	NA	NA
MEA	NA	NA
NEU	NA	NA
OAS	NA	NA
REF	NA	NA
SSA	NA	NA
USA	NA	NA

1.19.3 Temperature|Global Mean: Max

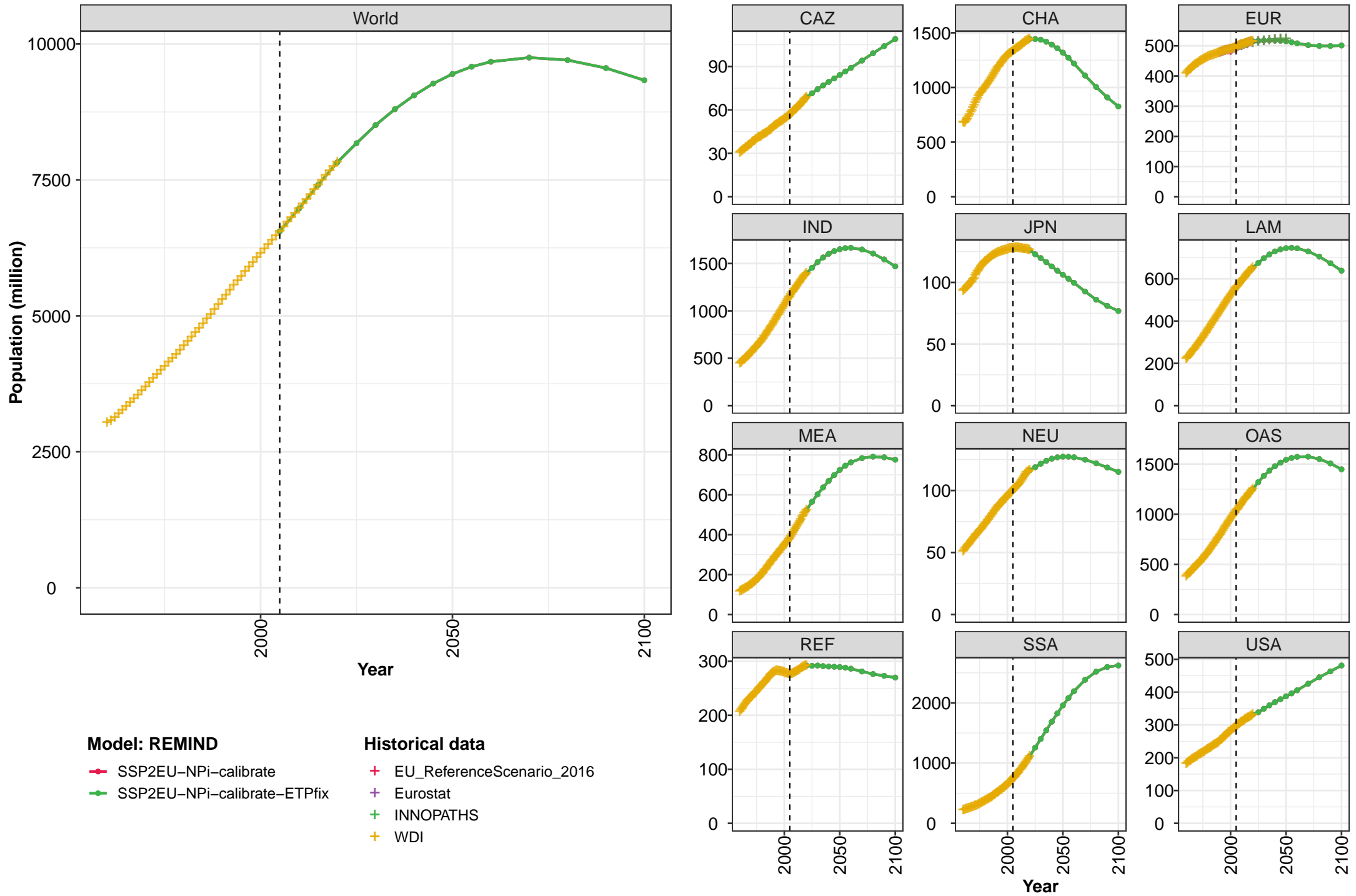
Table 7: Temperature|Global Mean [K]: Max Period (Max Value)

region	SSP2EU-NPi-calibrate	SSP2EU-NPi-calibrate-ETPfix
World	2100 (2.69)	2100 (2.67)

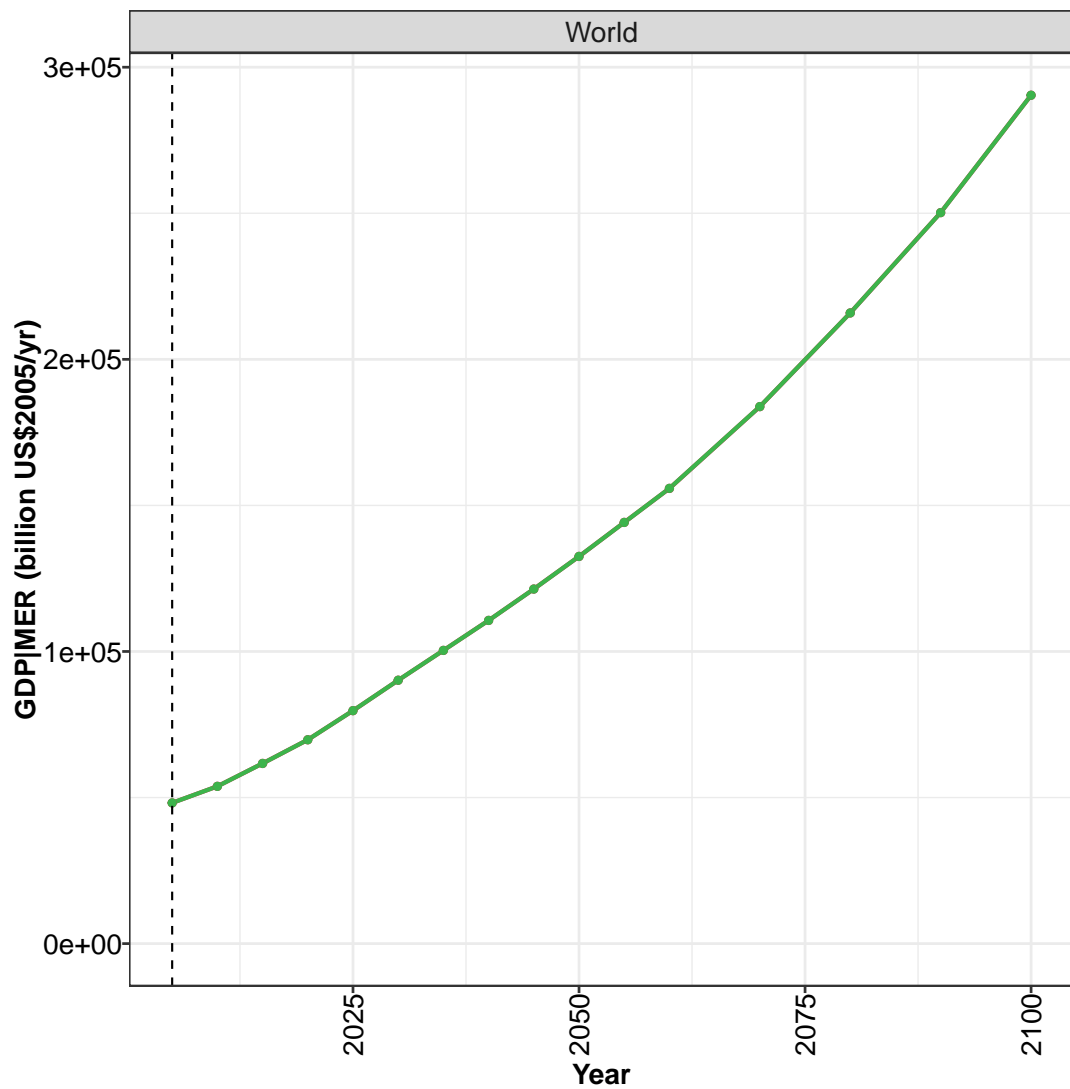
2.1 Consumption



2.2 Population



2.3 GDP - MER

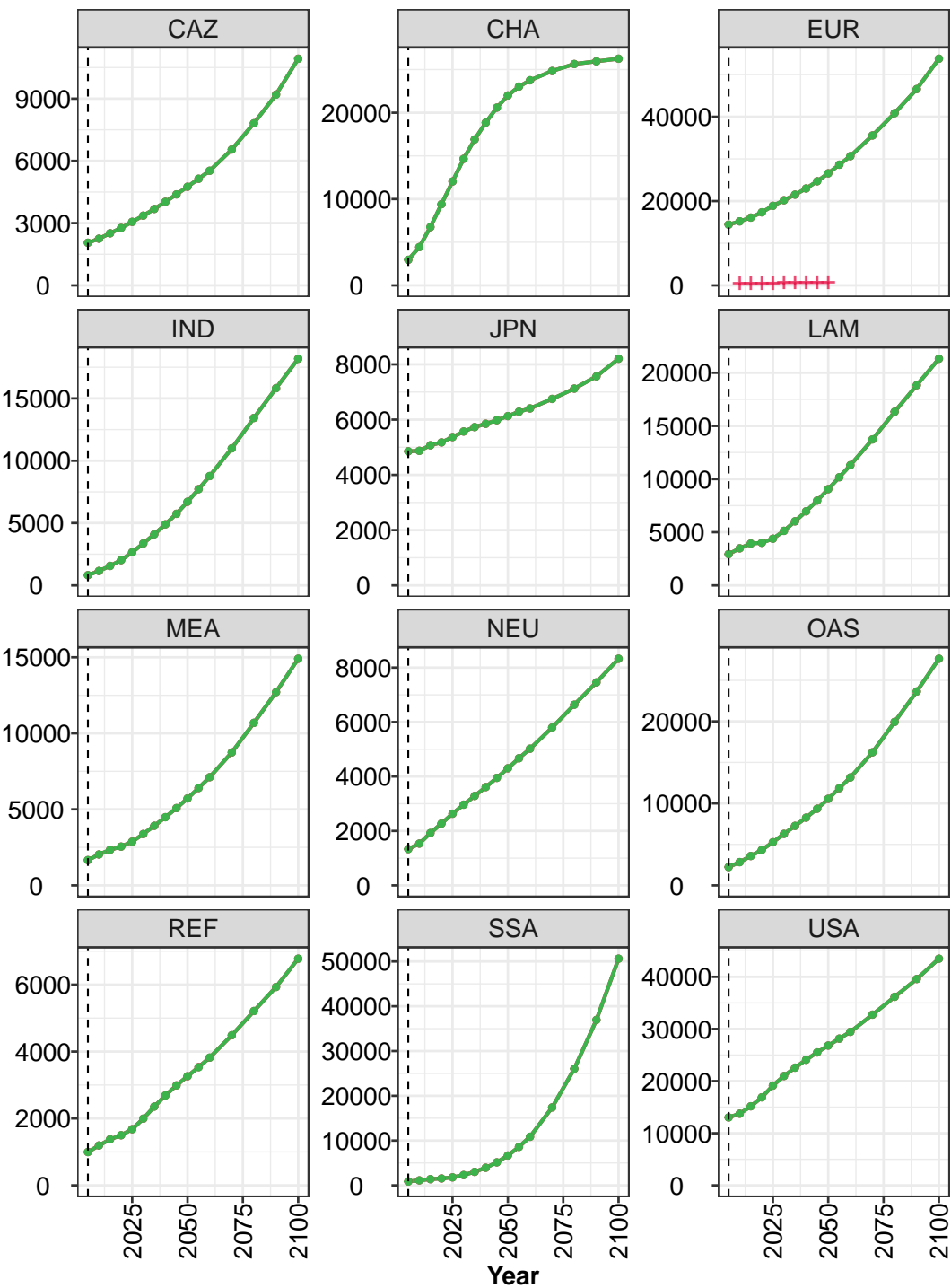


Model: REMIND

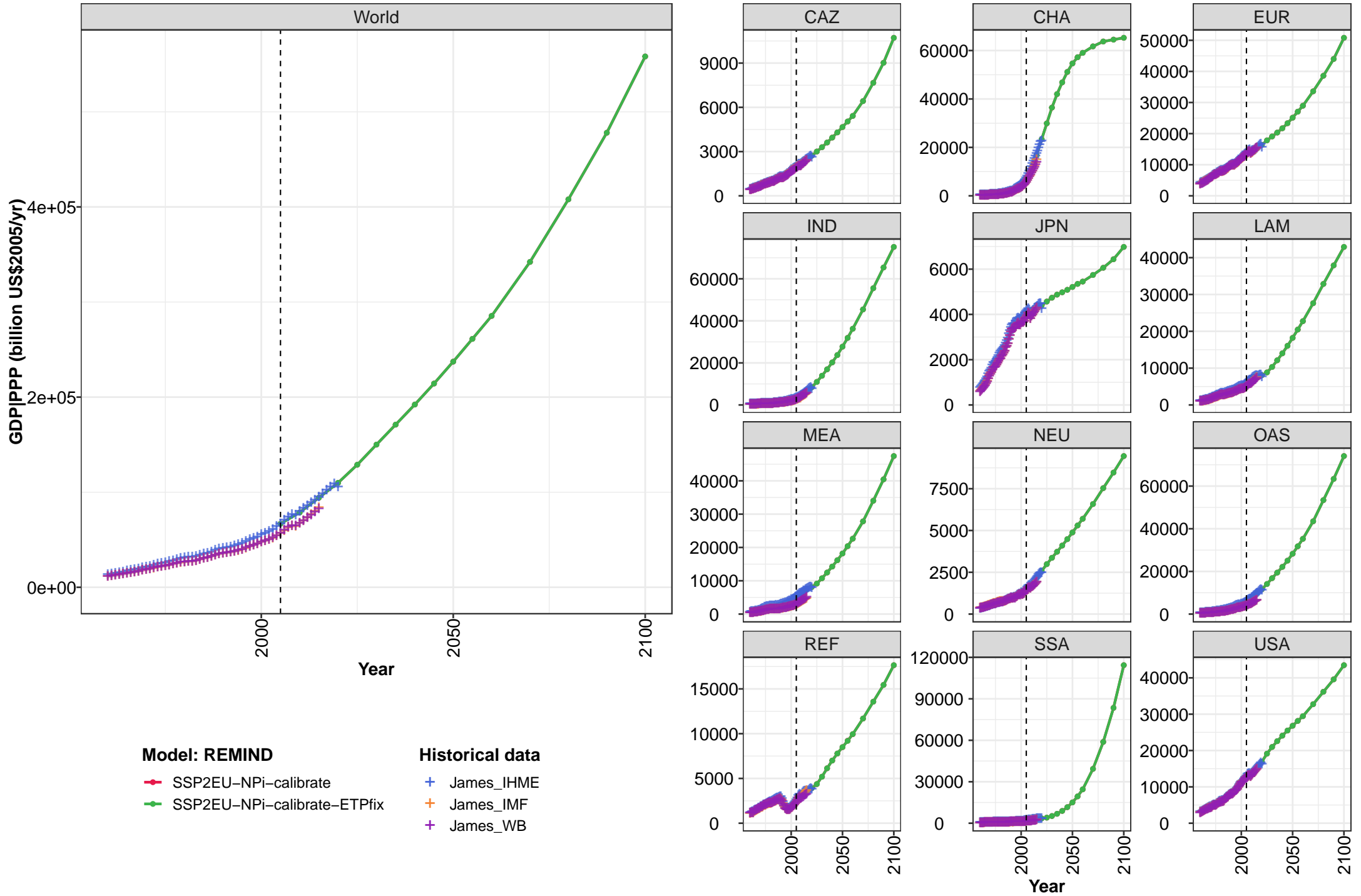
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

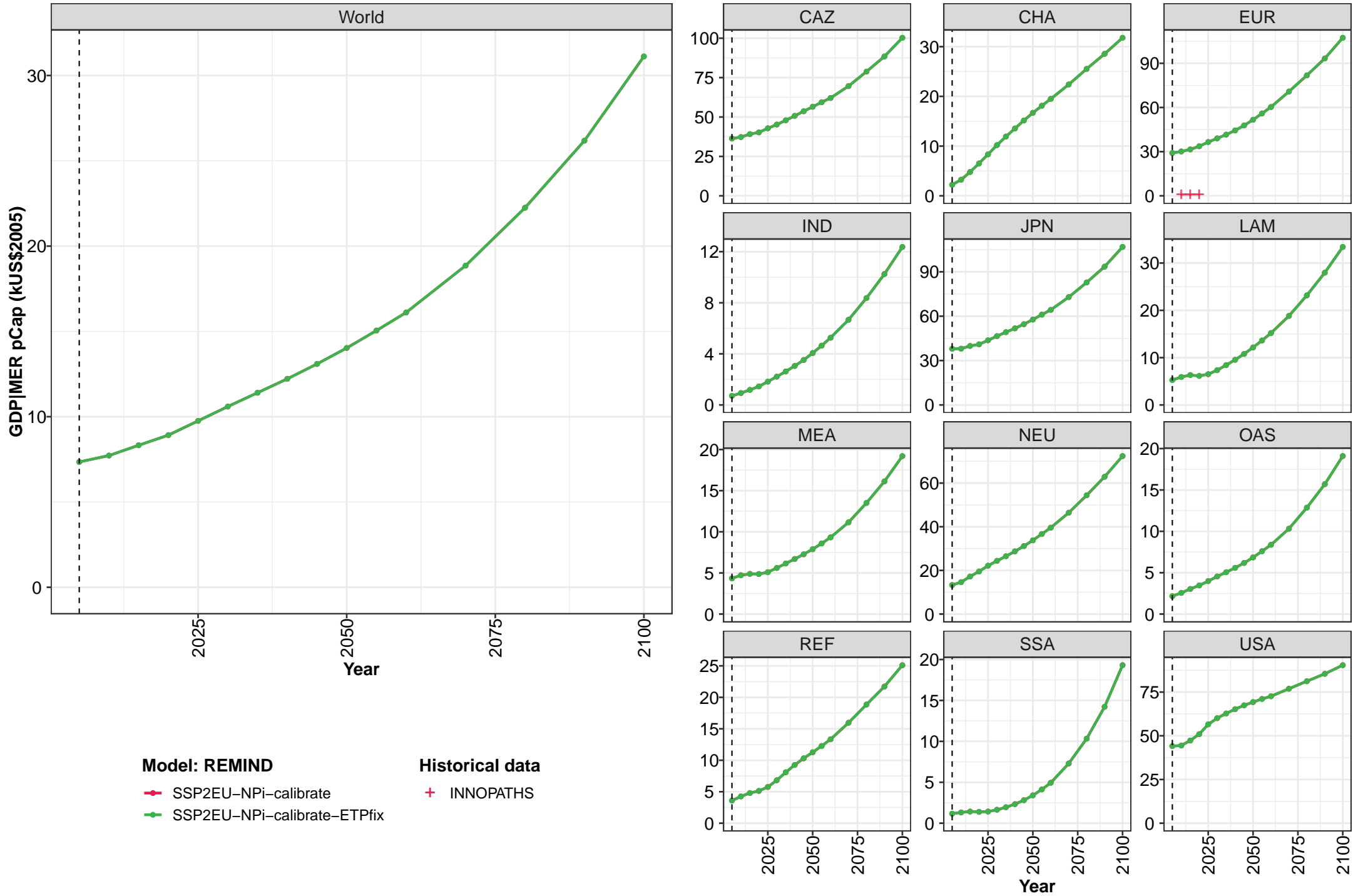
- + INNOPATHS



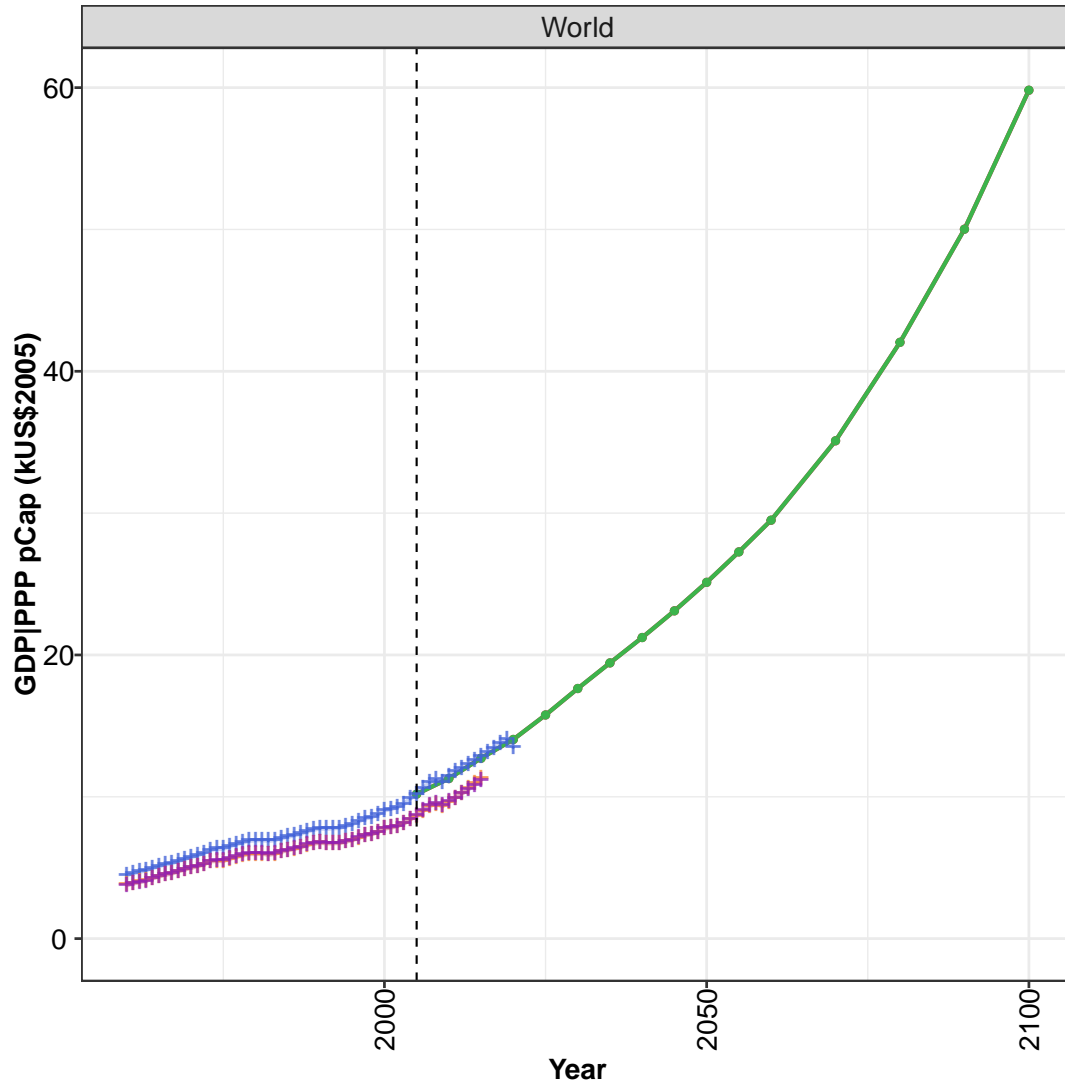
2.4 GDP - PPP



2.5 GDP - MER per Capita



2.6 GDP - PPP per Capita

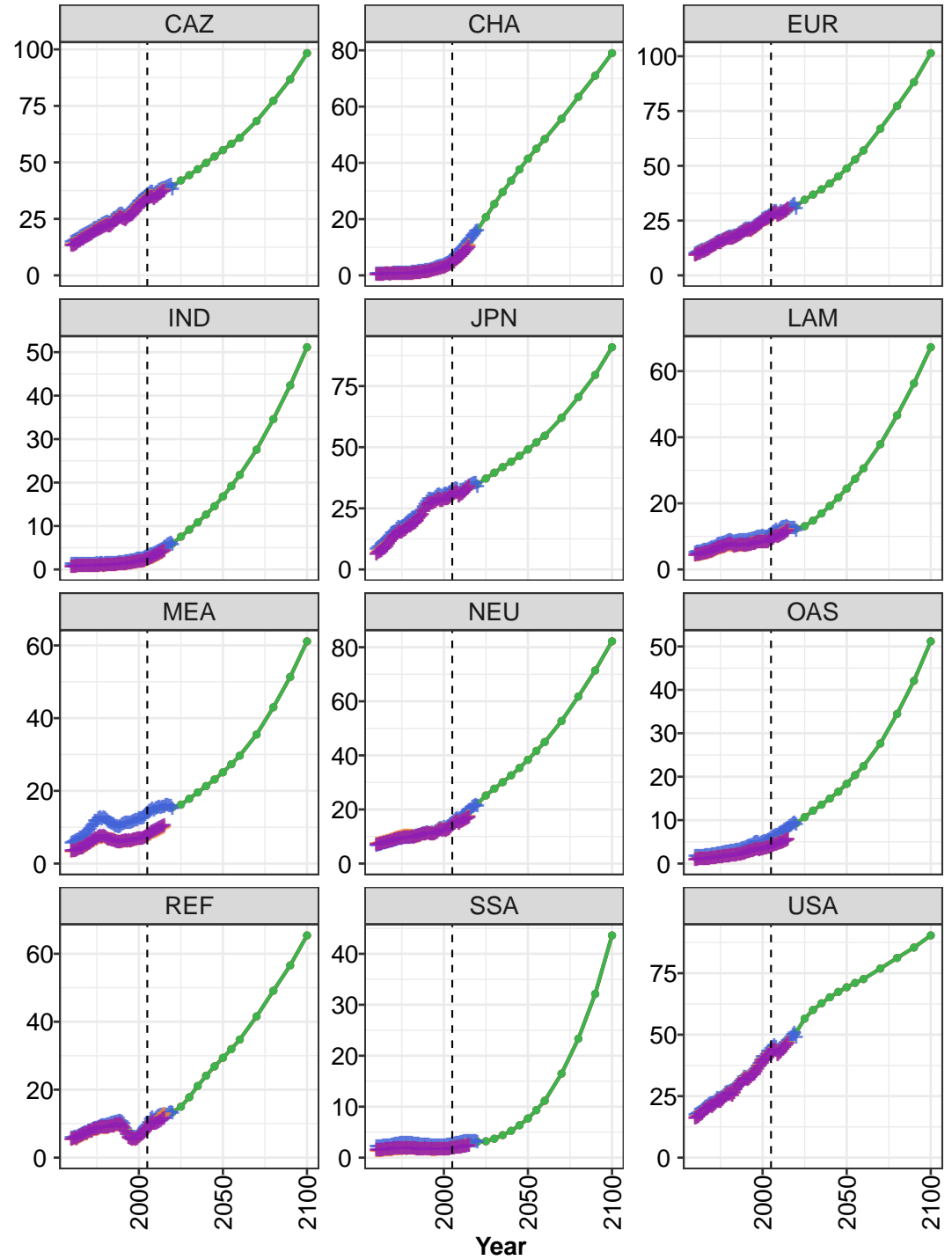


Model: REMIND

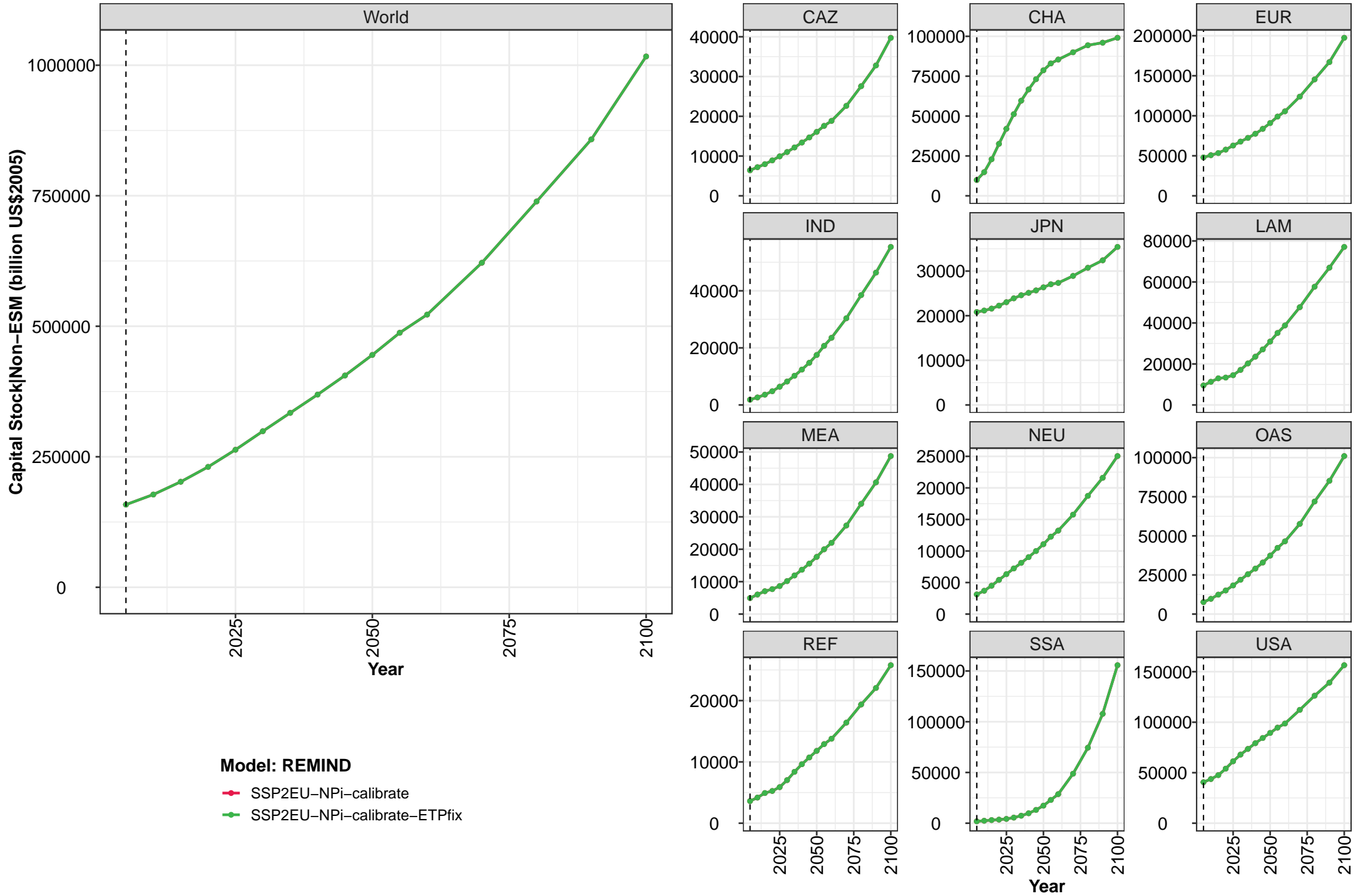
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

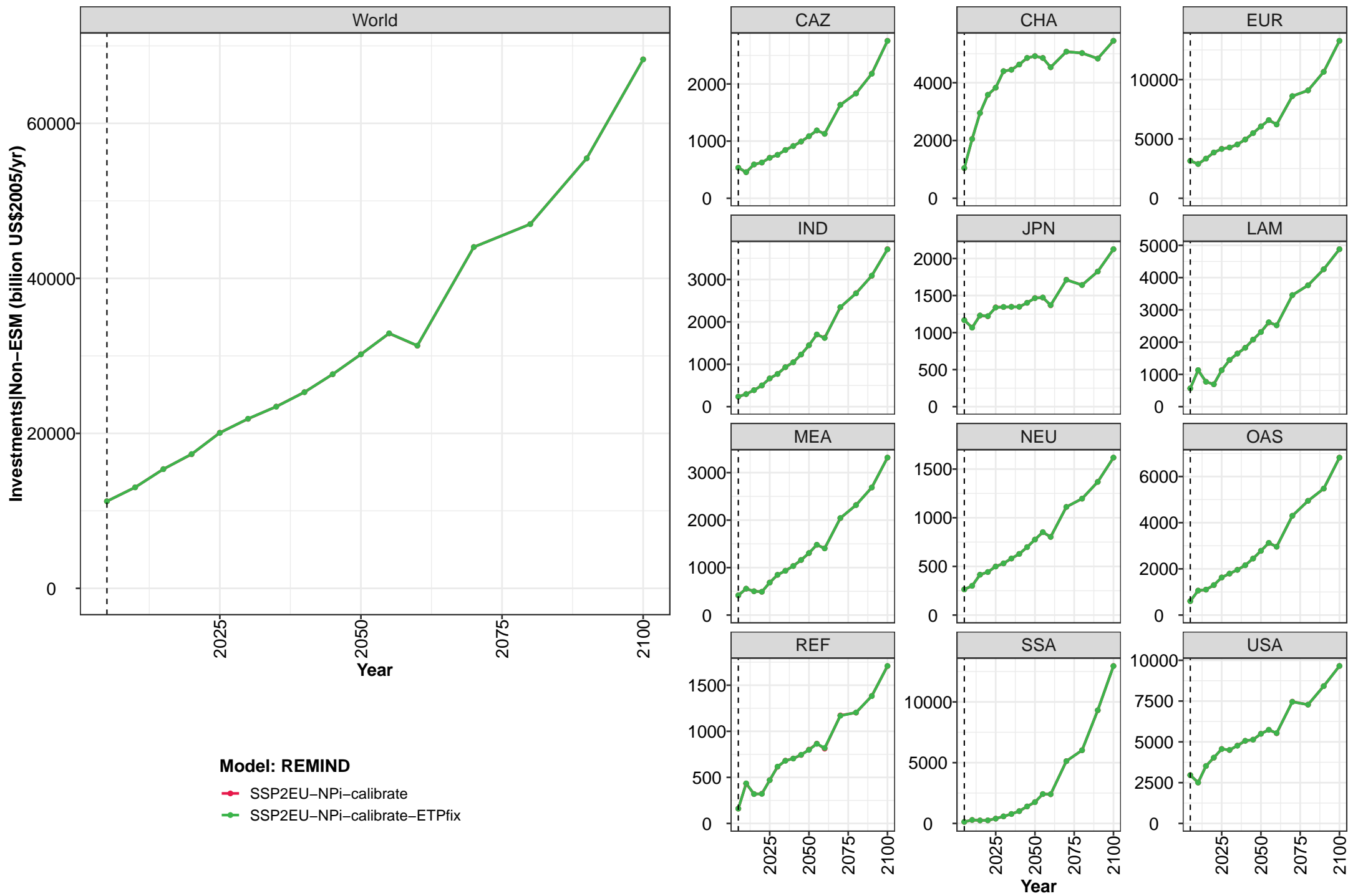
- + James_IHME
- + James_IMF
- + James_WB



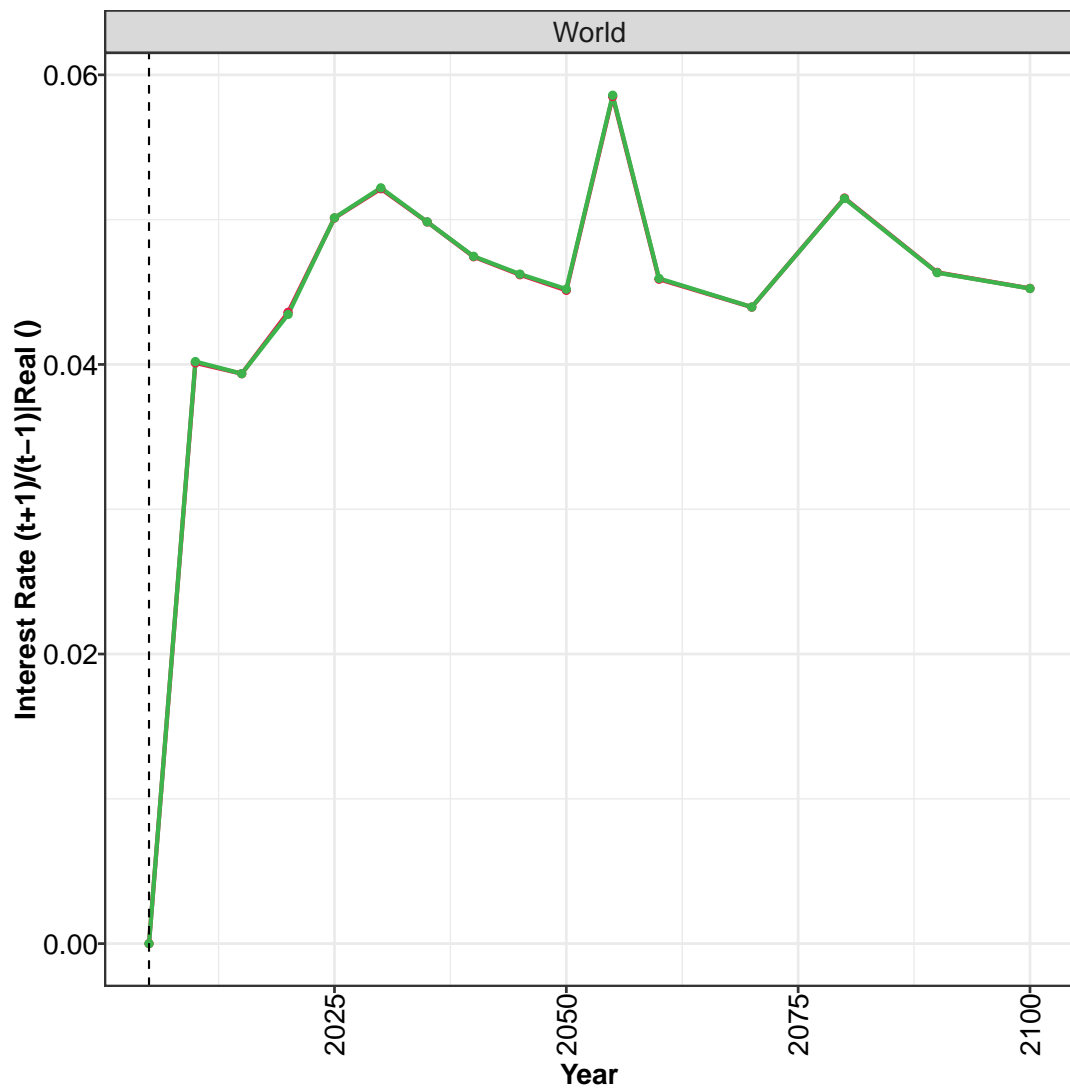
2.7 Capital Stock



2.8 Investments

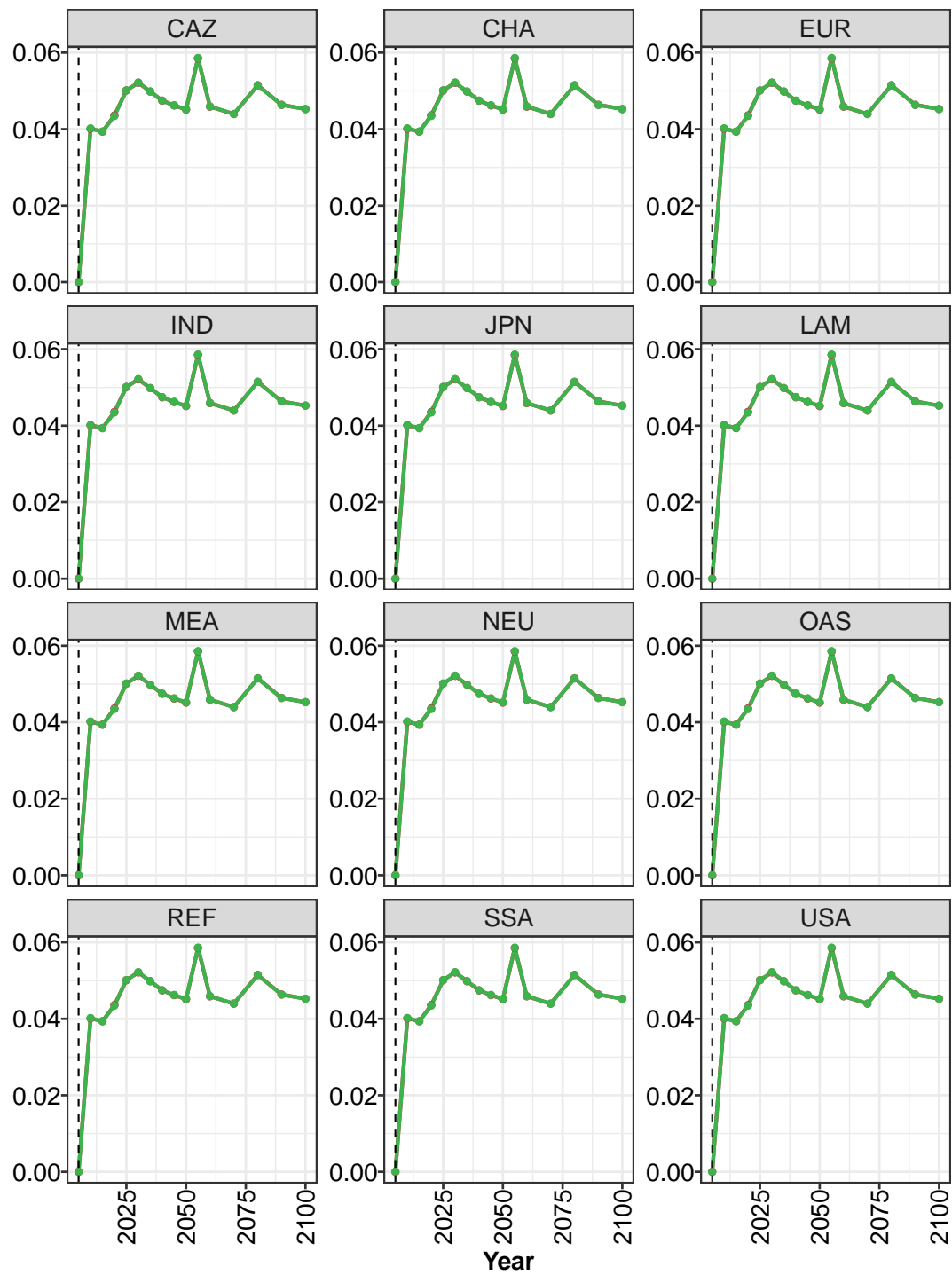


2.9 Interest Rate



Model: REMIND

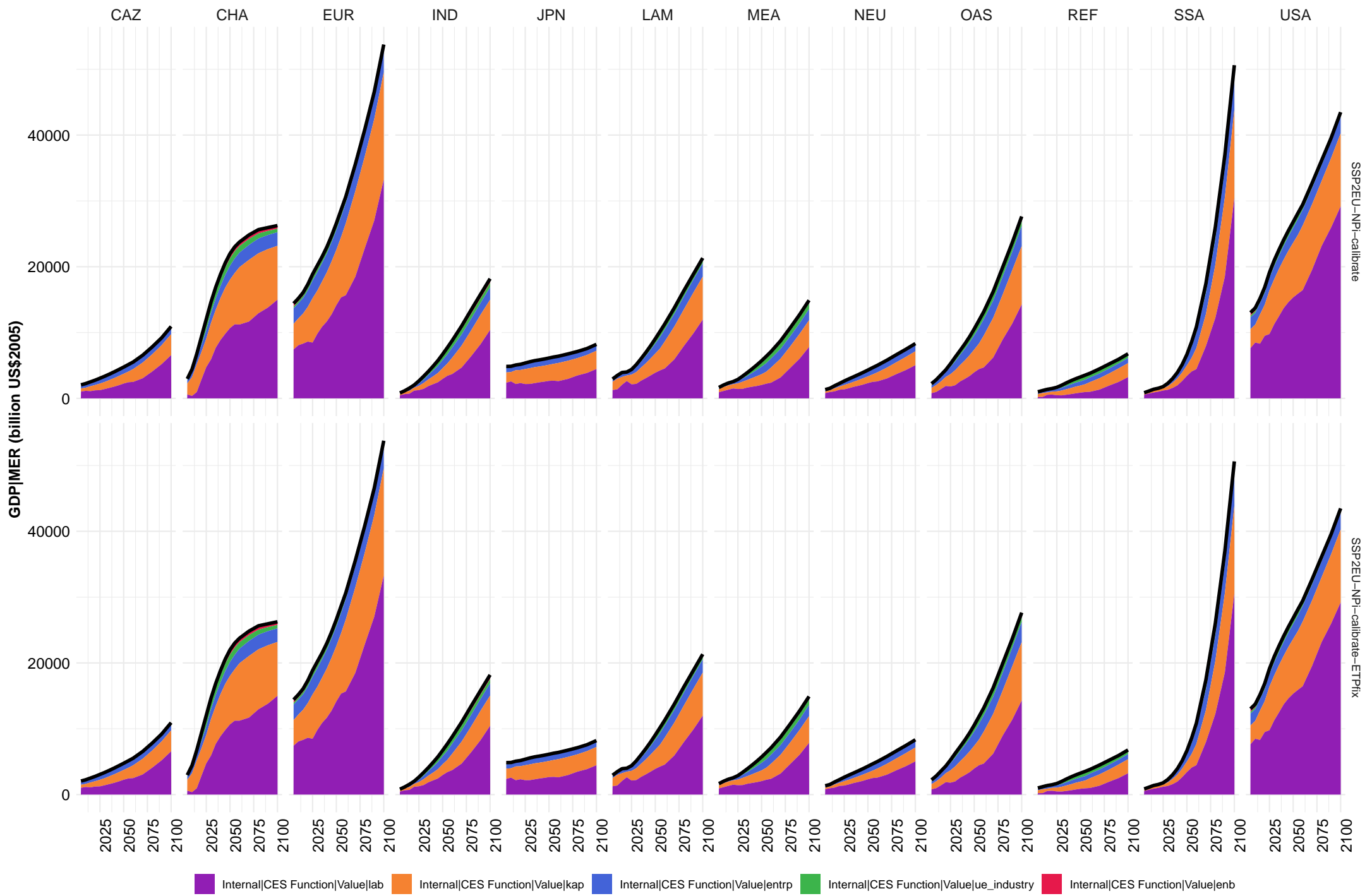
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



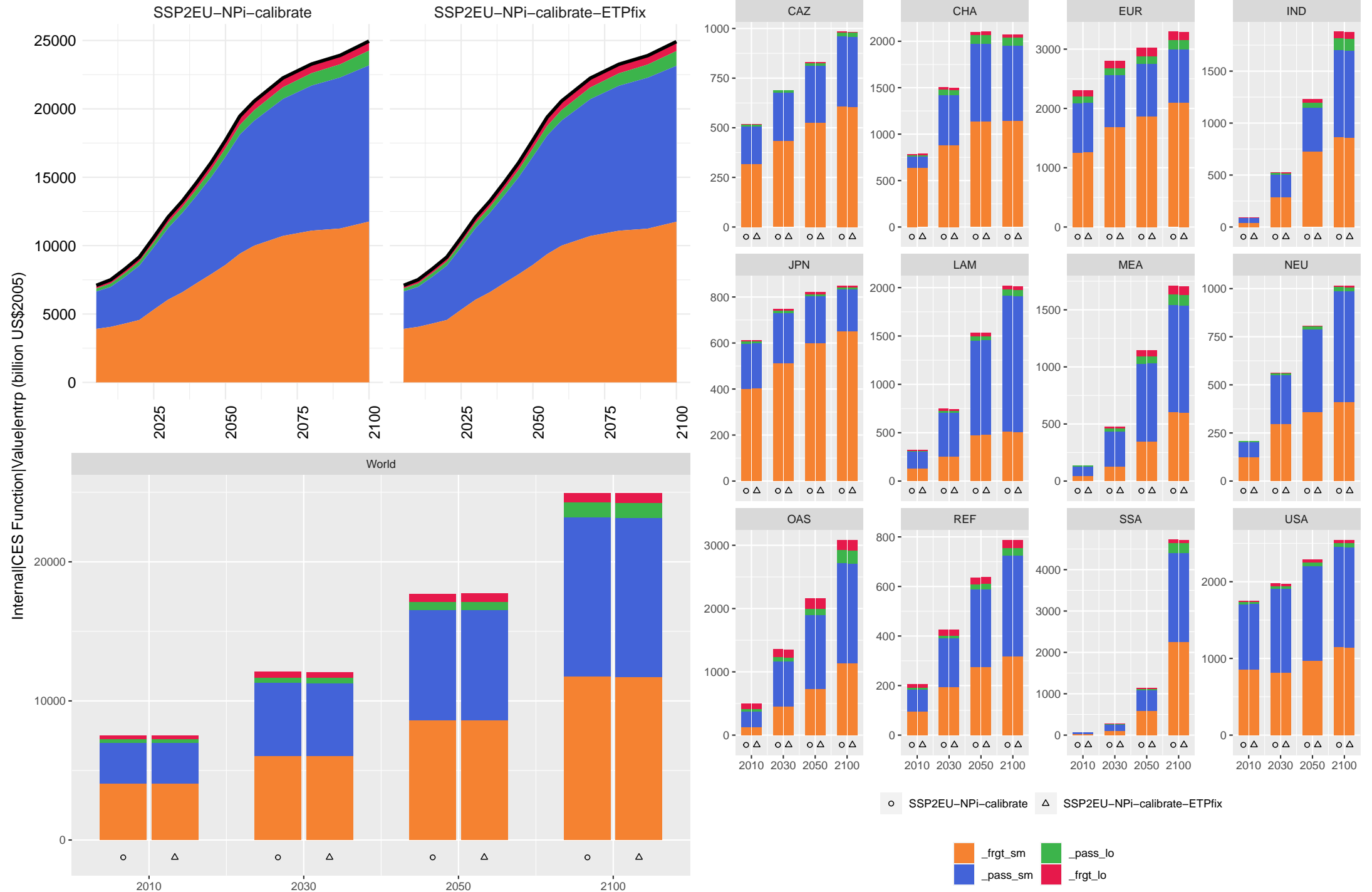
2.10 GDP Disaggregation

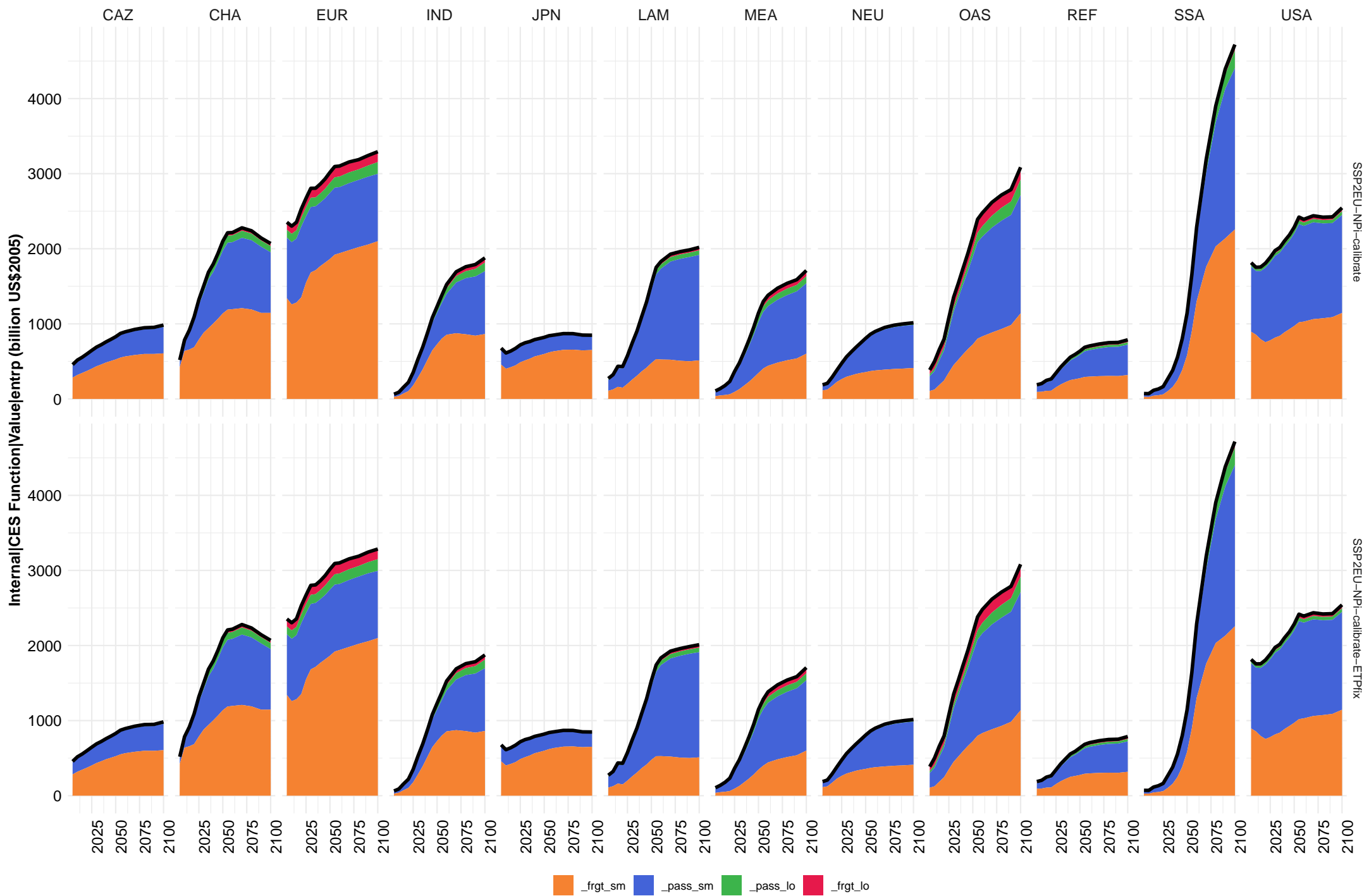
2.10.1 Top-level GDP Disaggregation





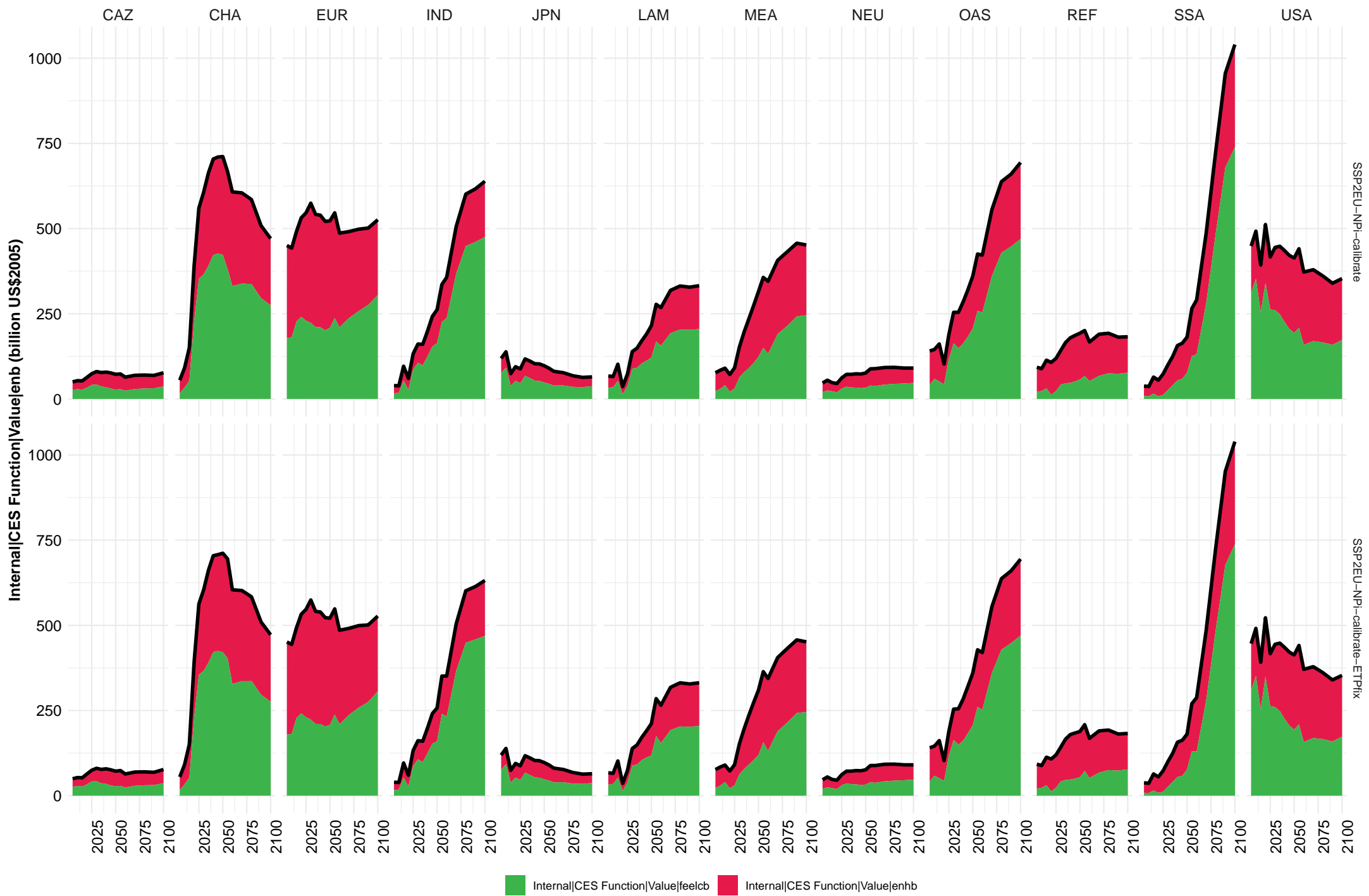
2.10.2 Transport Value Disaggregation



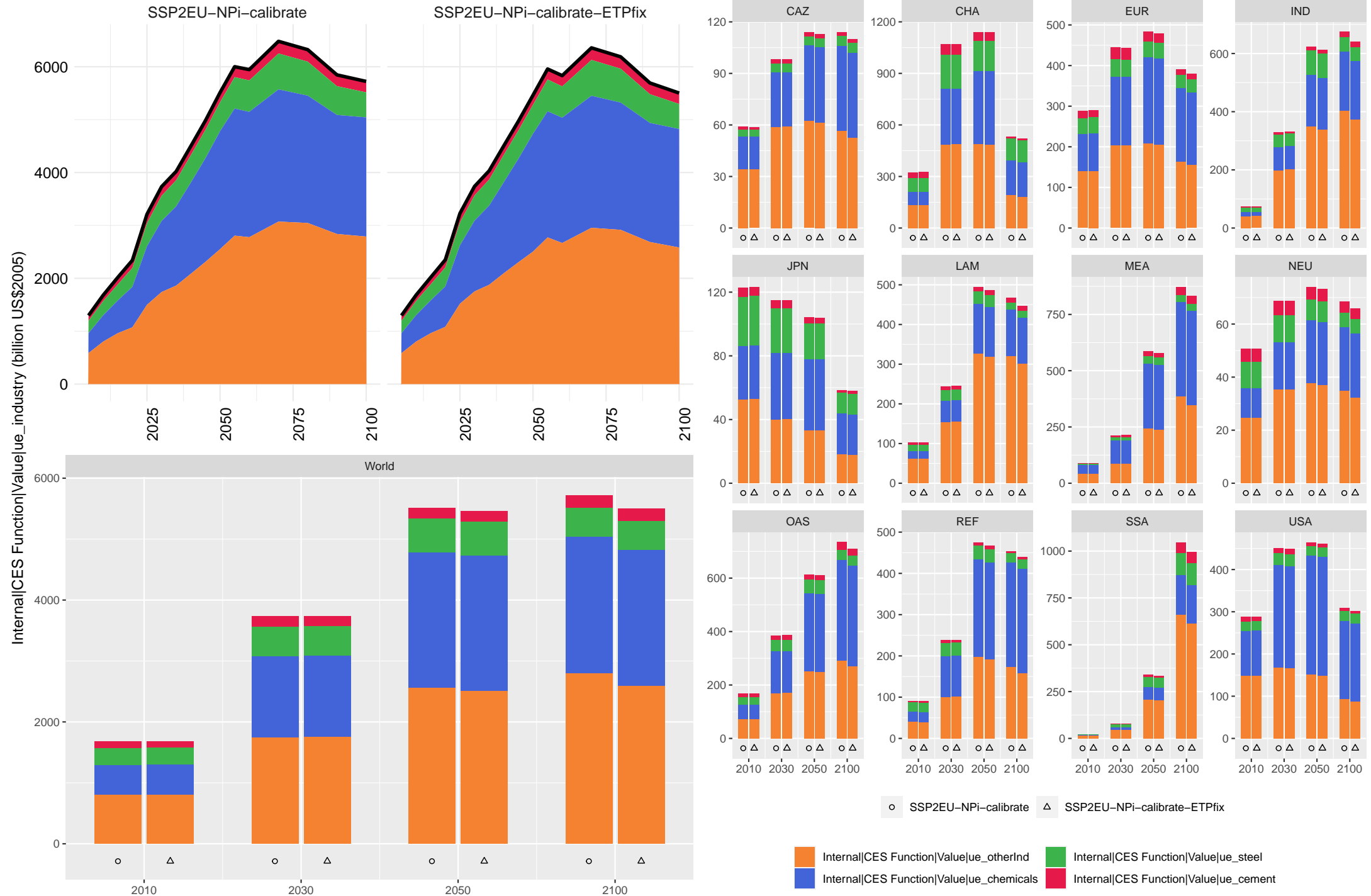


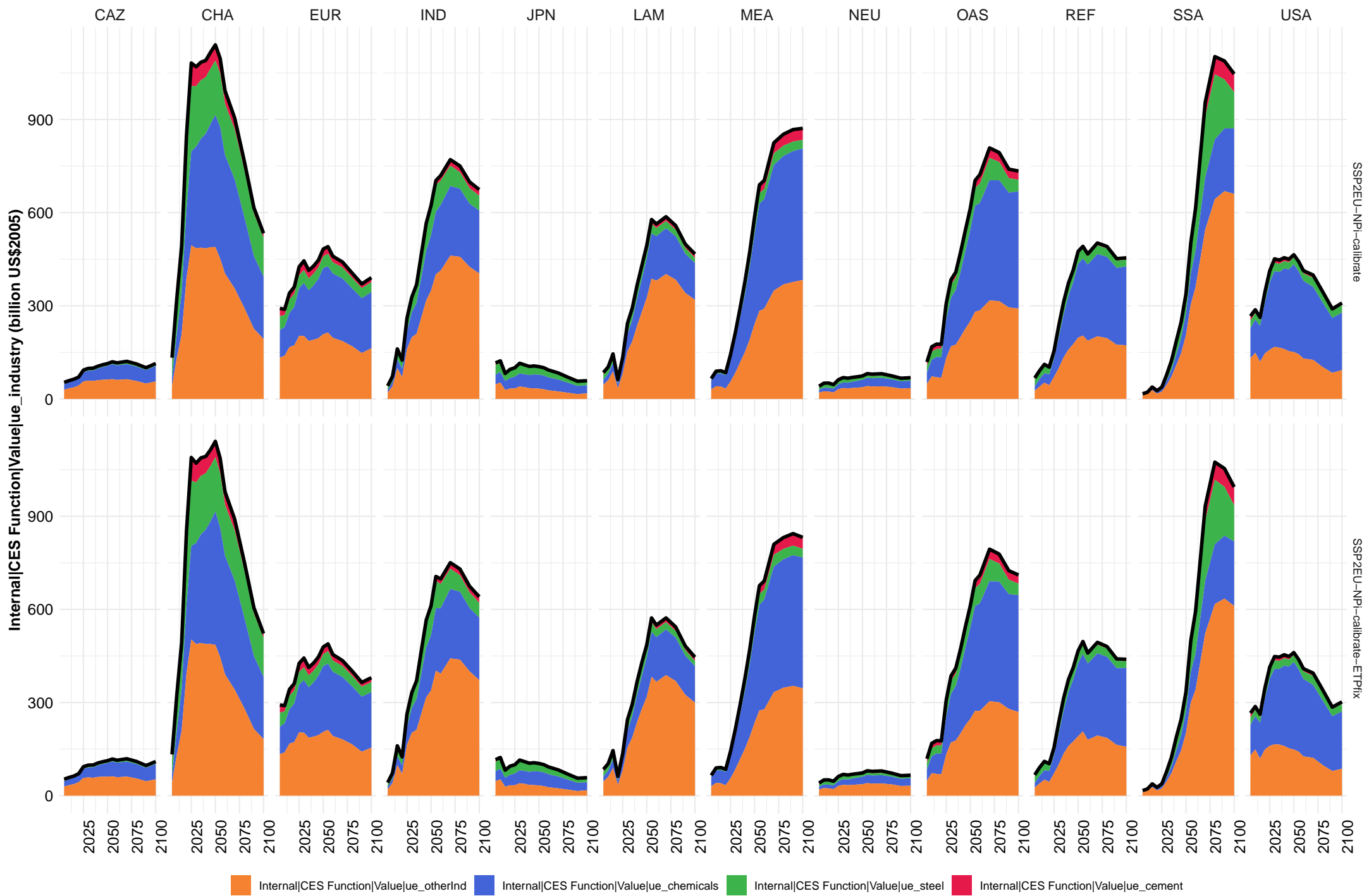
2.10.3 Buildings Value Disaggregation





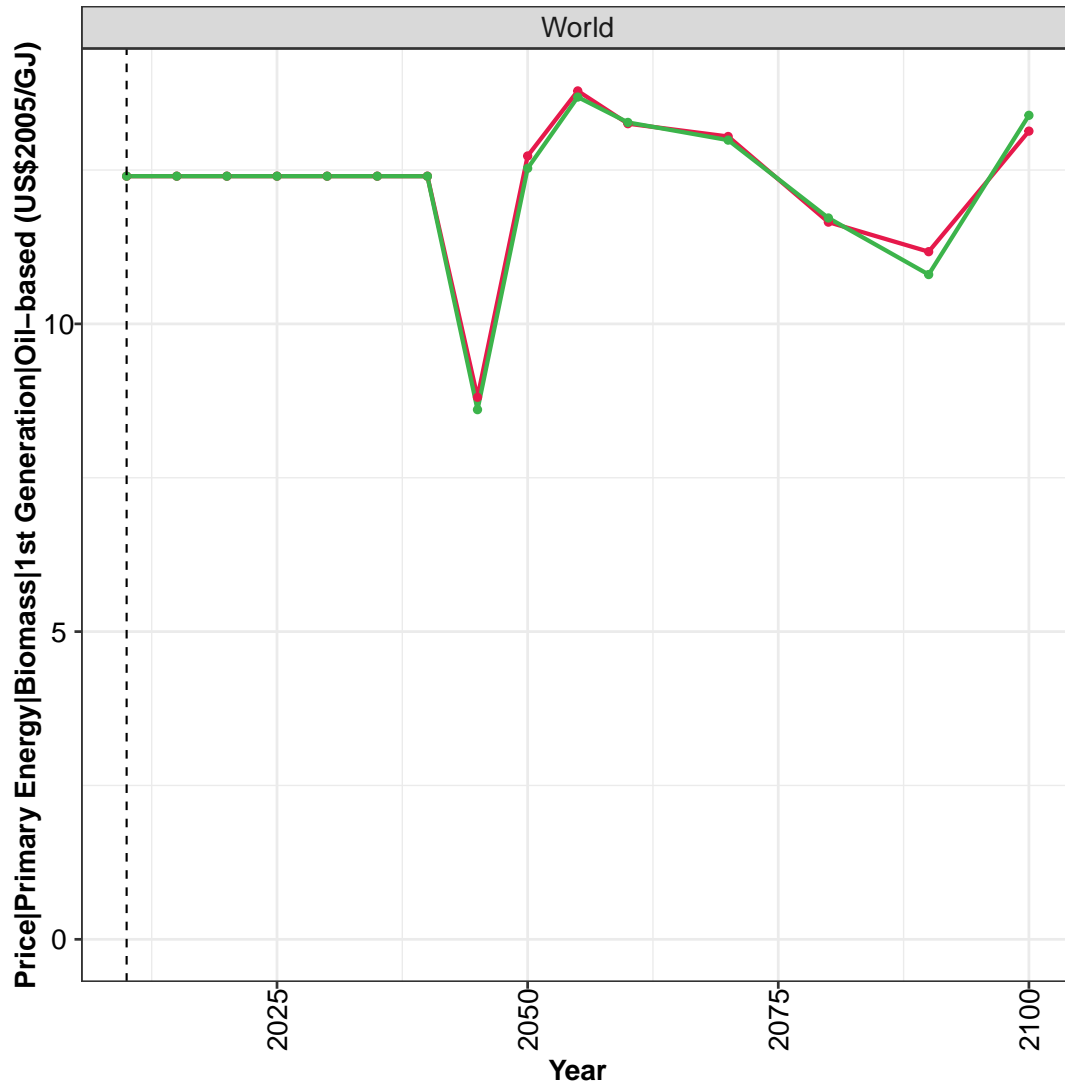
2.10.4 Industry Value Disaggregation





2.11 Prices

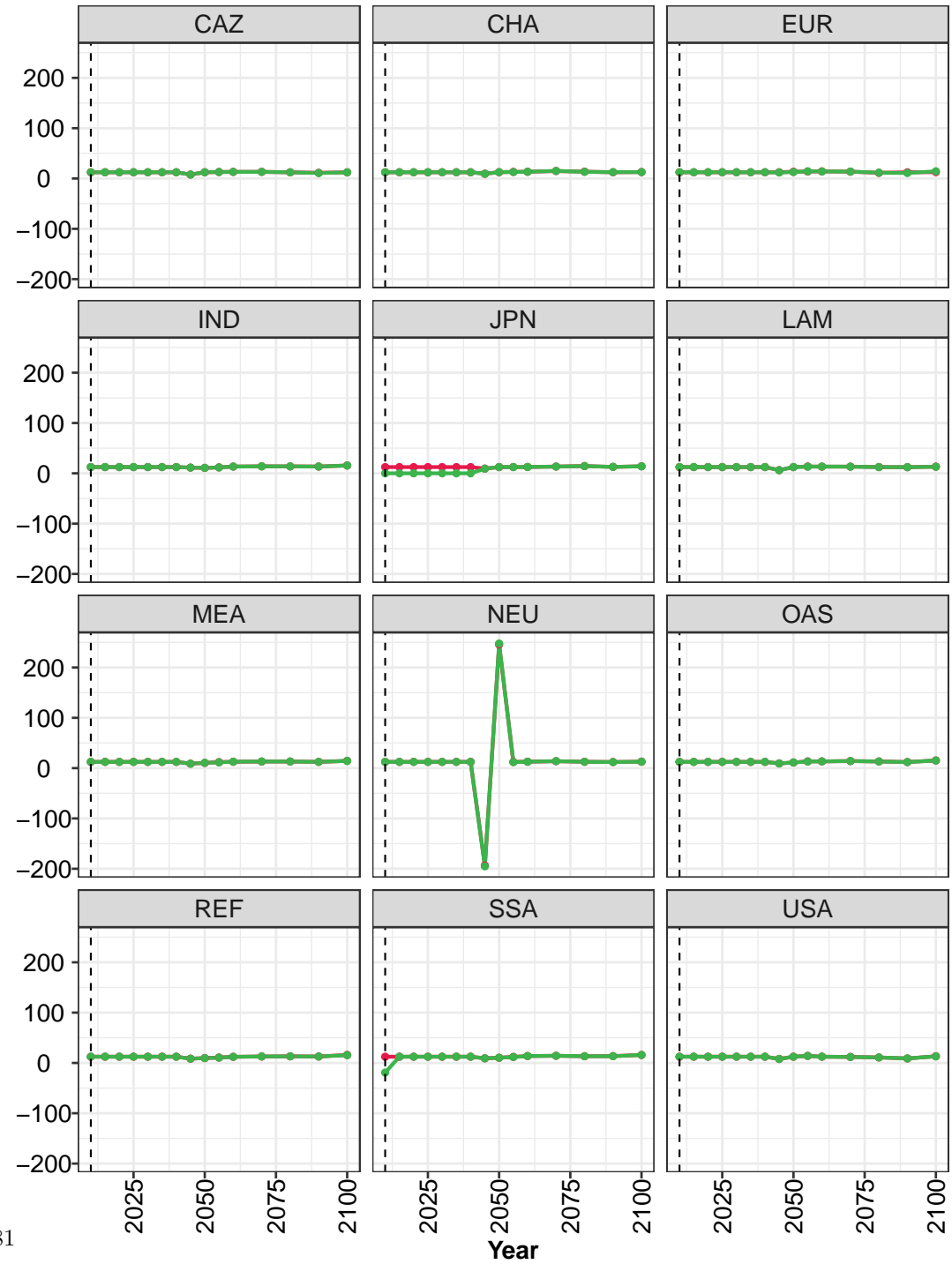
2.11.1 PE Prices

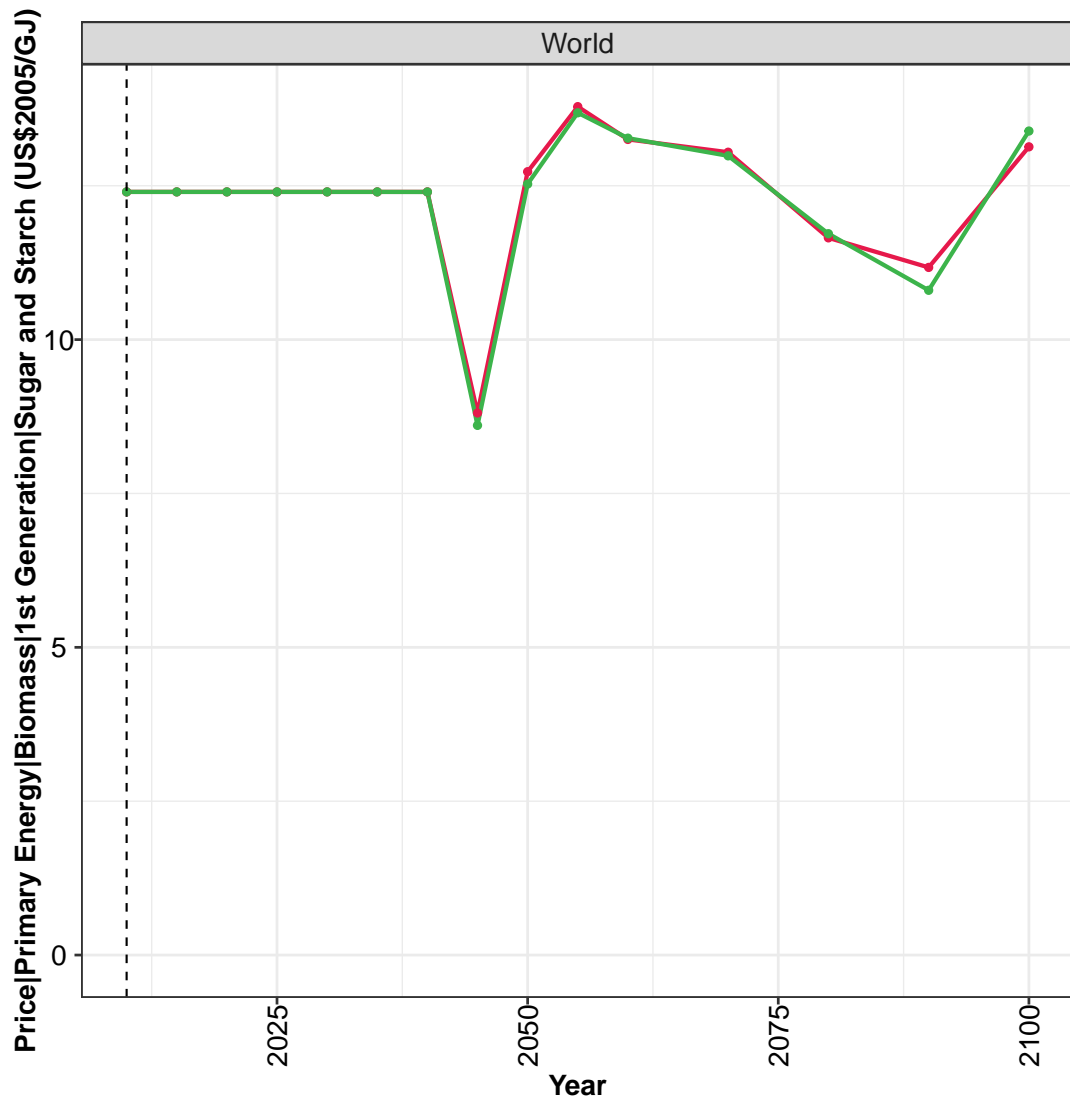


Model: REMIND

SSP2EU-NPi-calibrate

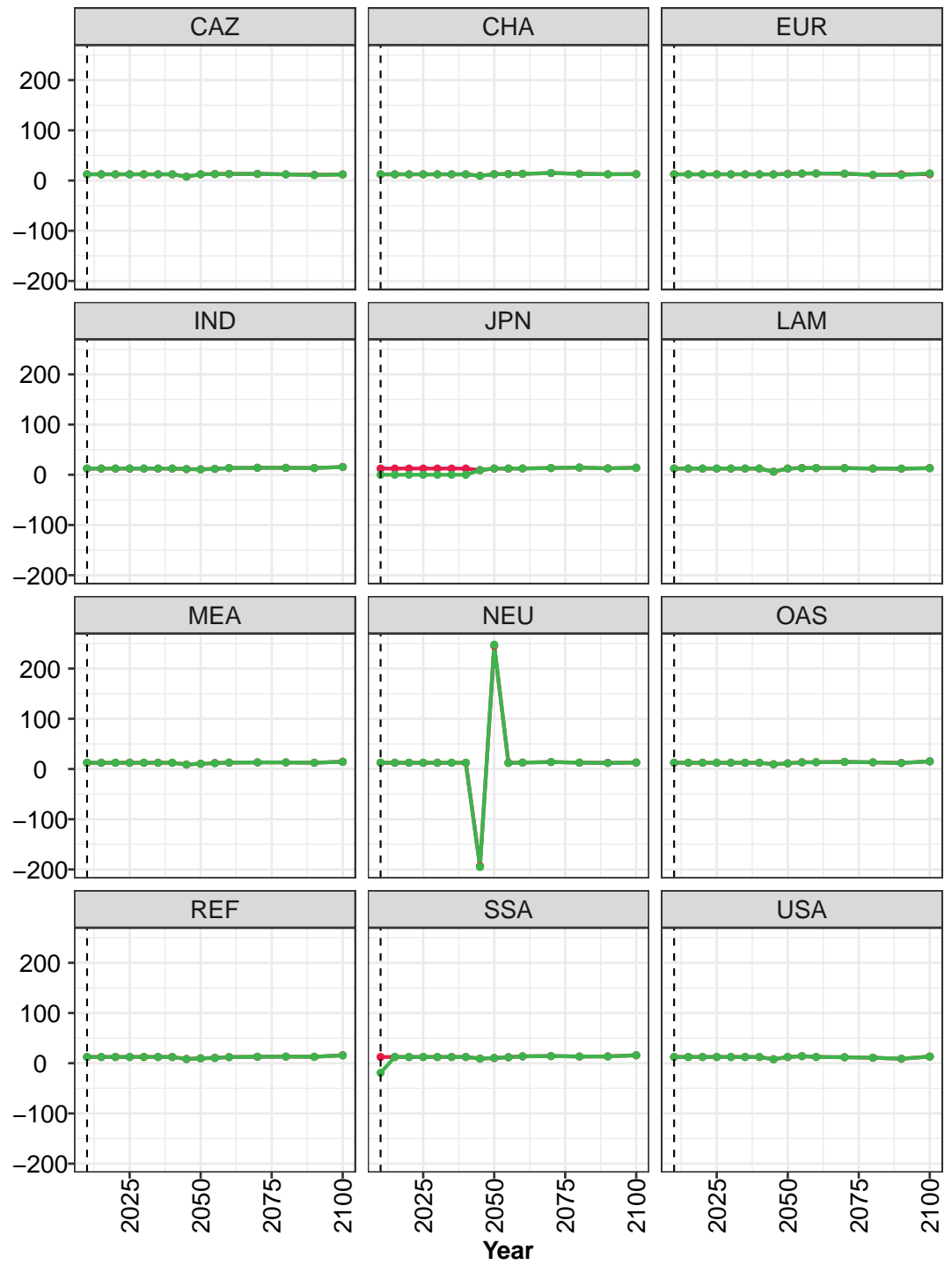
SSP2EU-NPi-calibrate-ETPfix

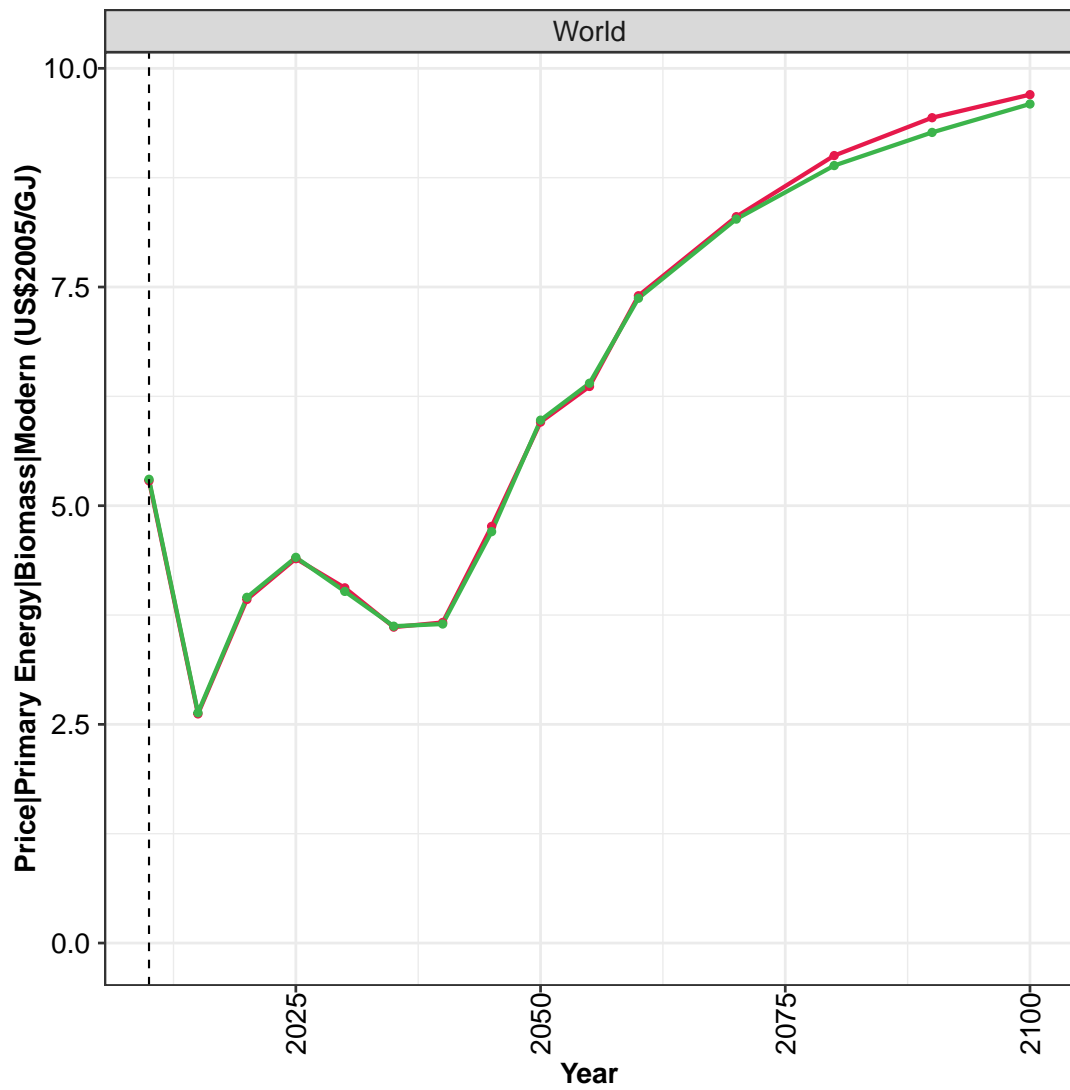




Model: REMIND

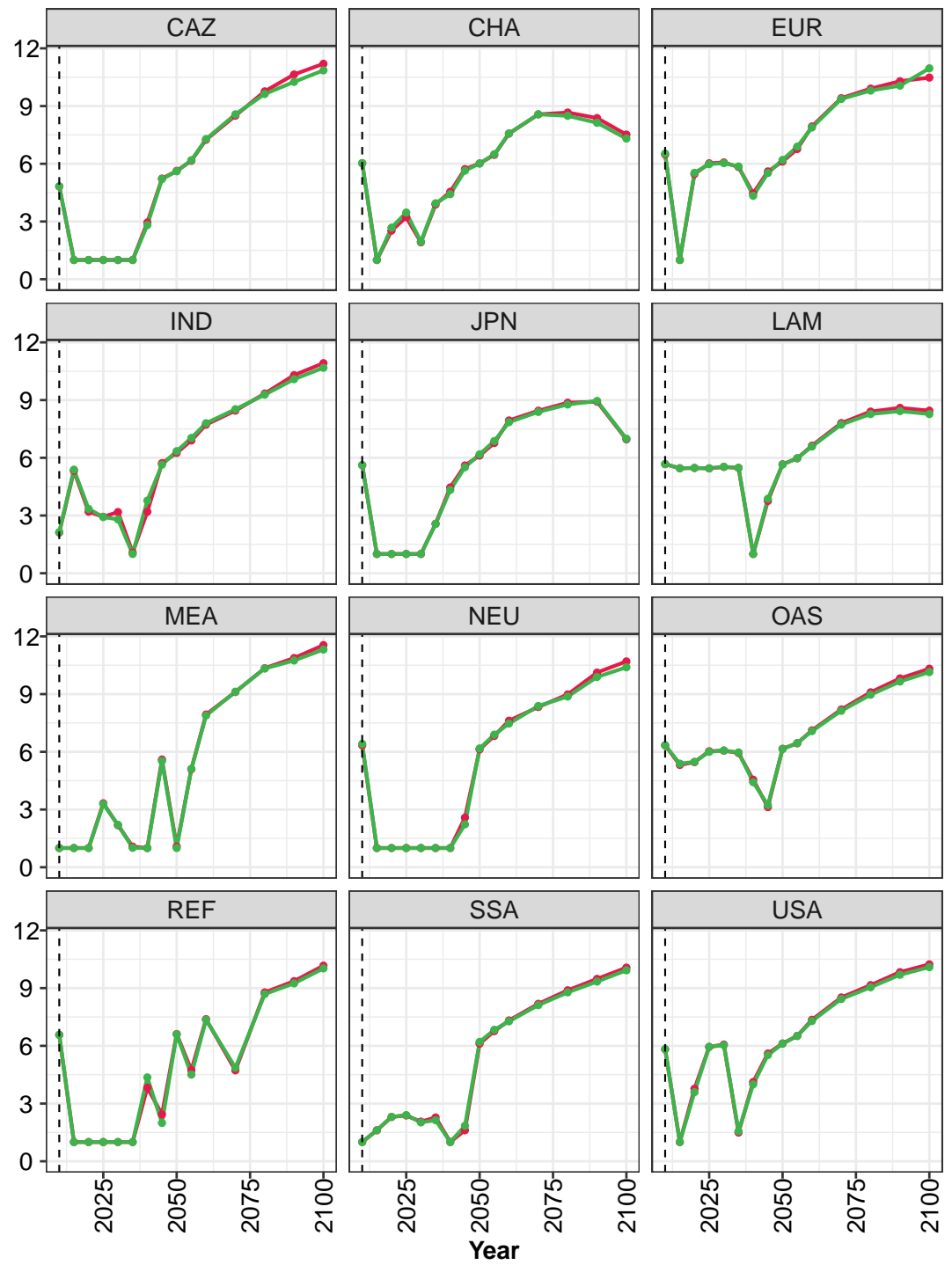
- ◆ SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

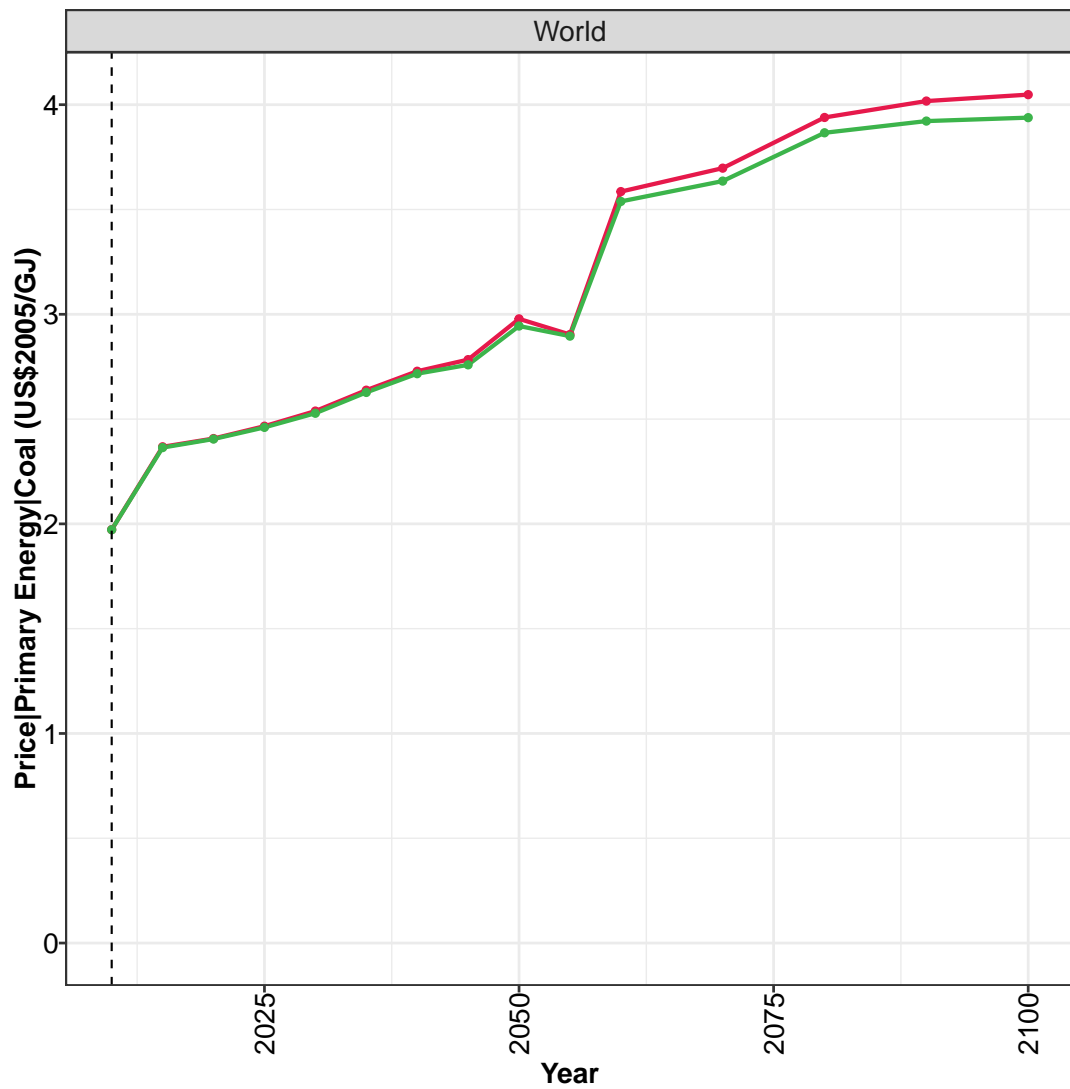




Model: REMIND

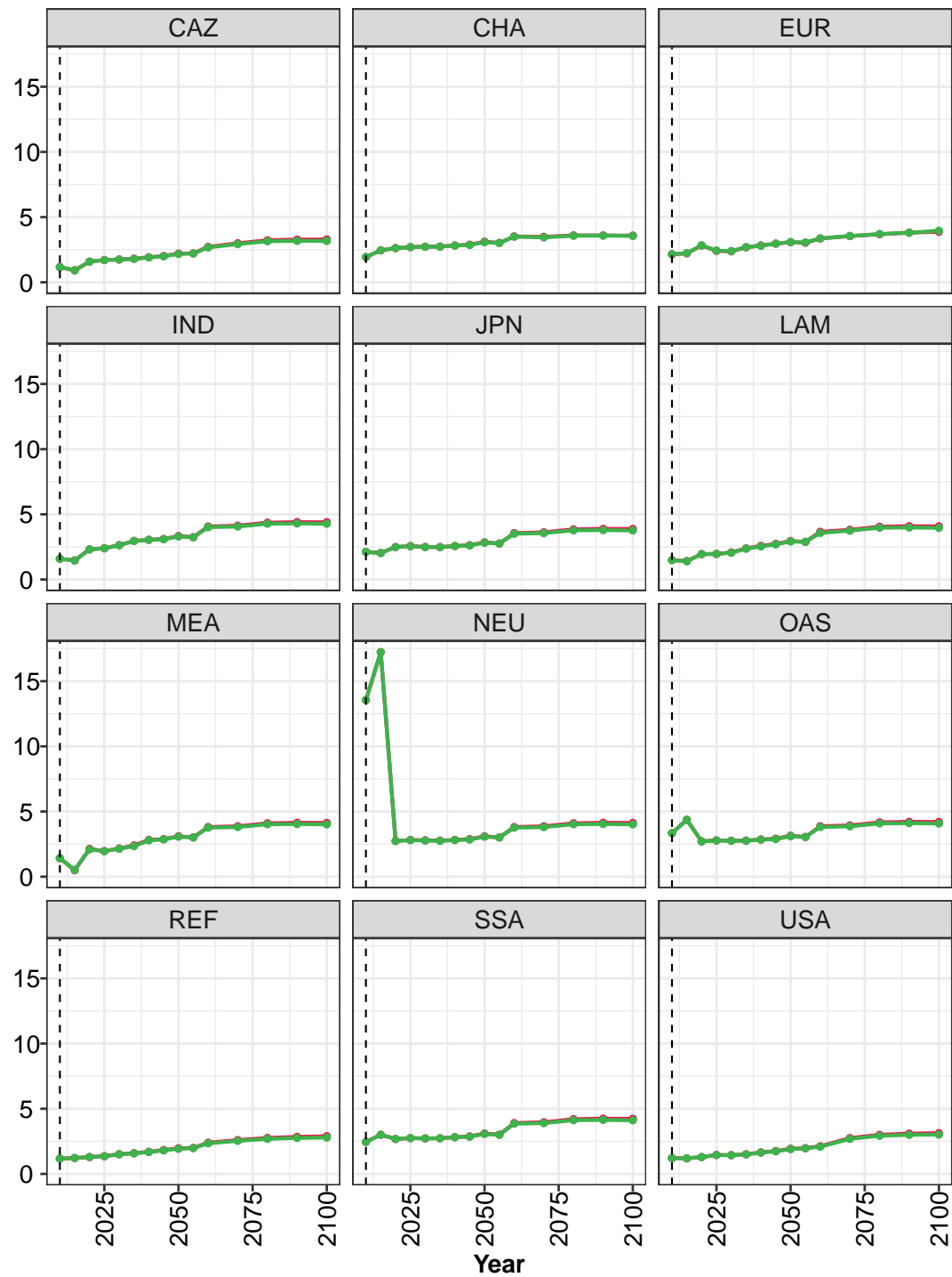
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

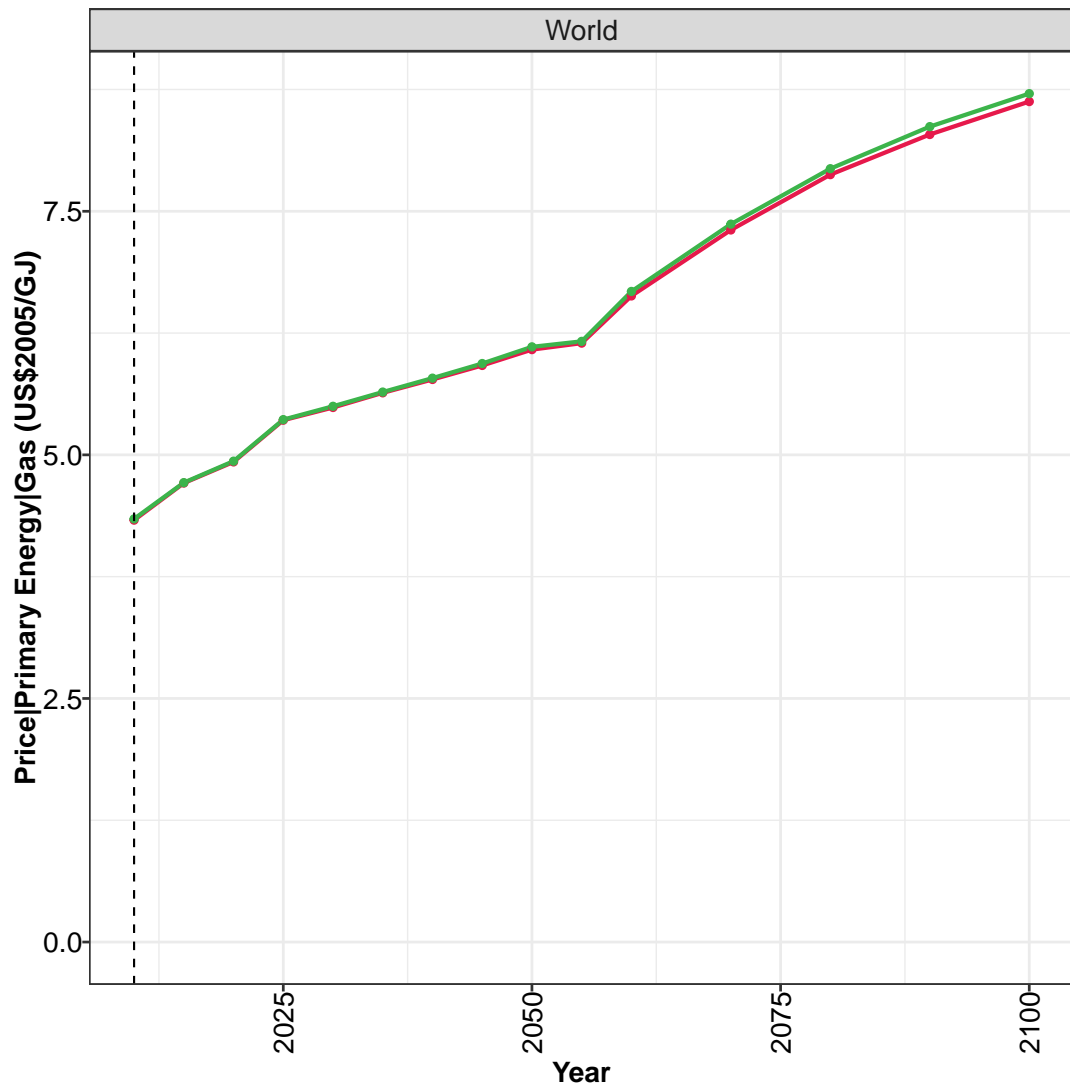




Model: REMIND

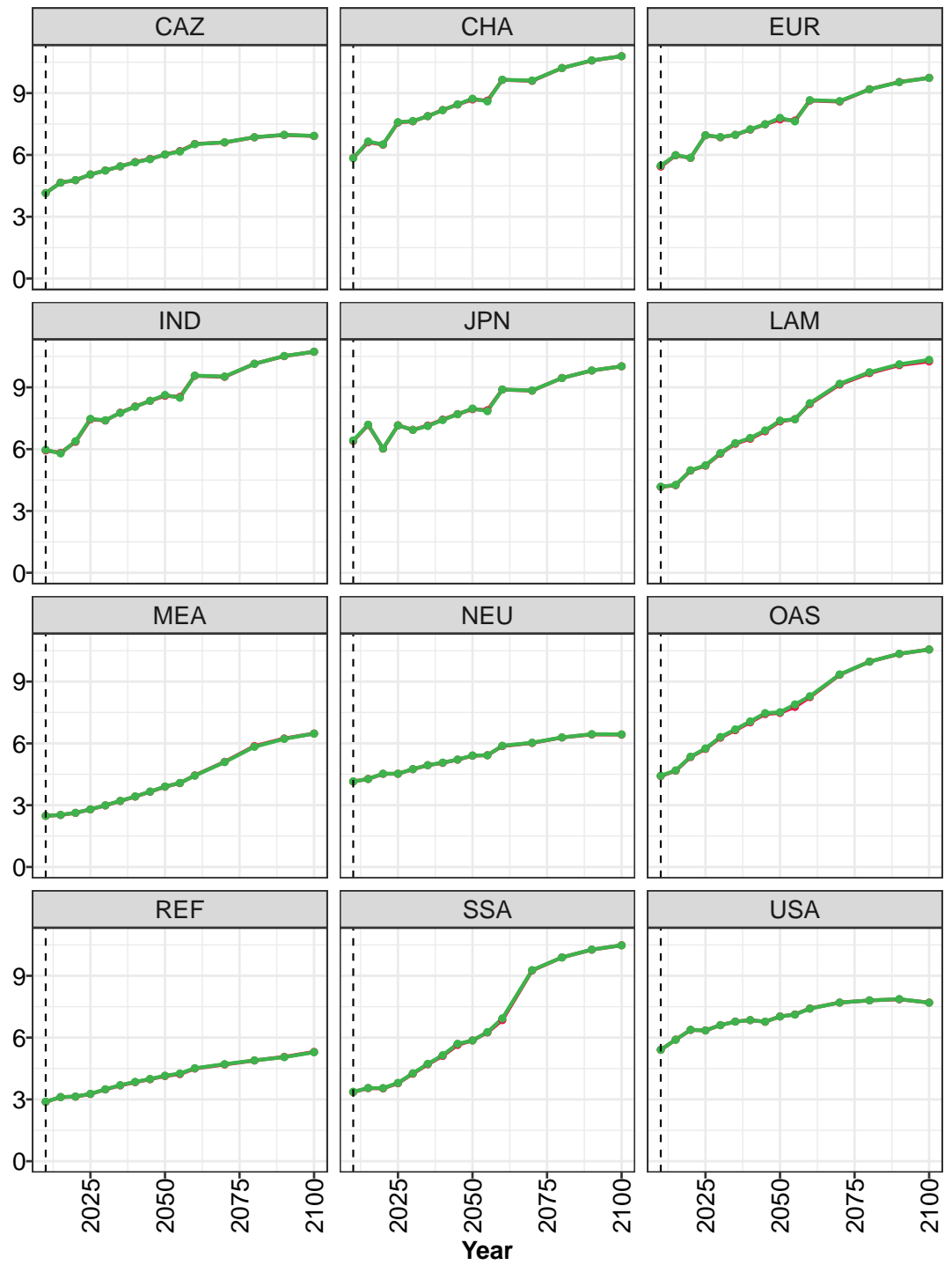
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- SSP2EU-NPi-calibrate-ETPfix

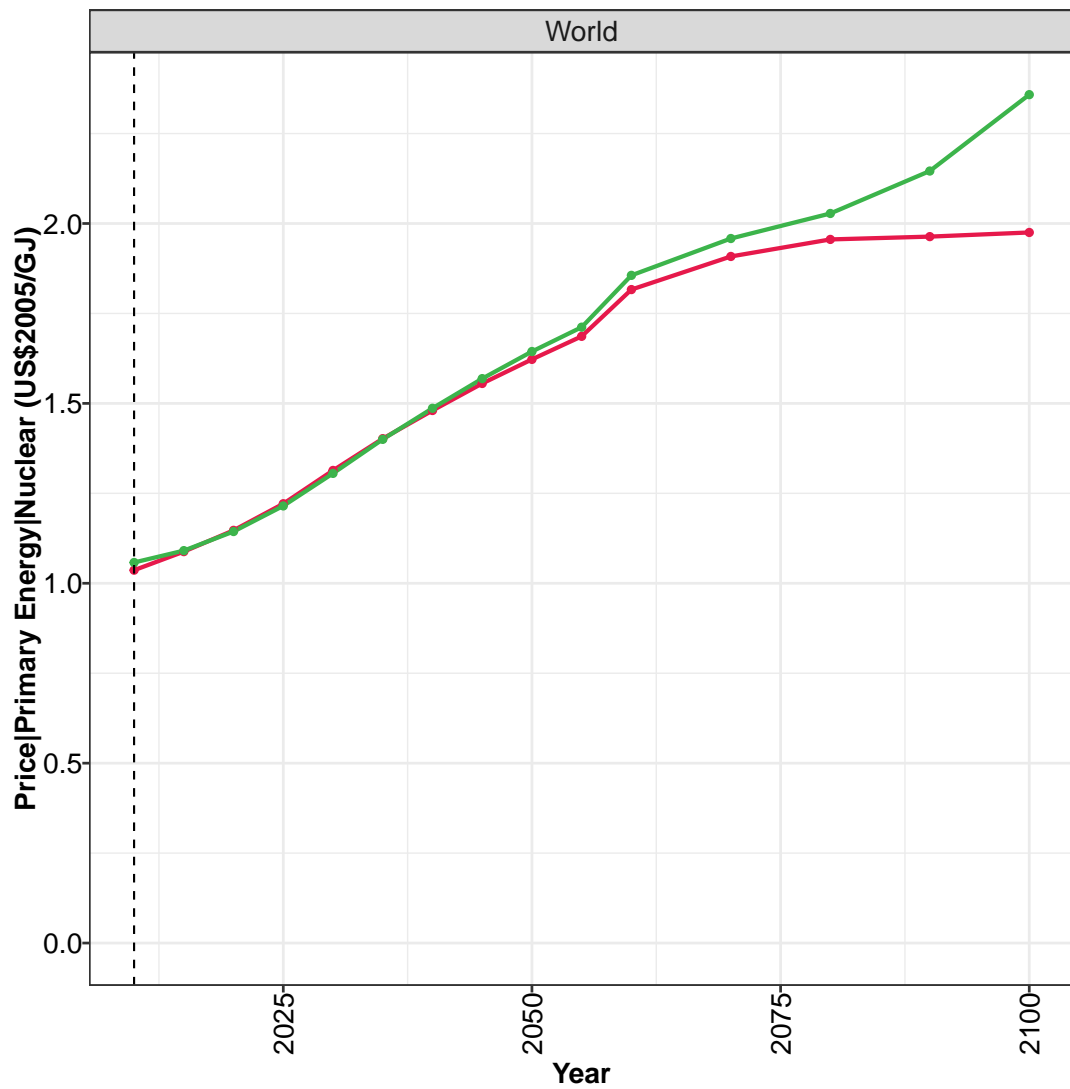




Model: REMIND

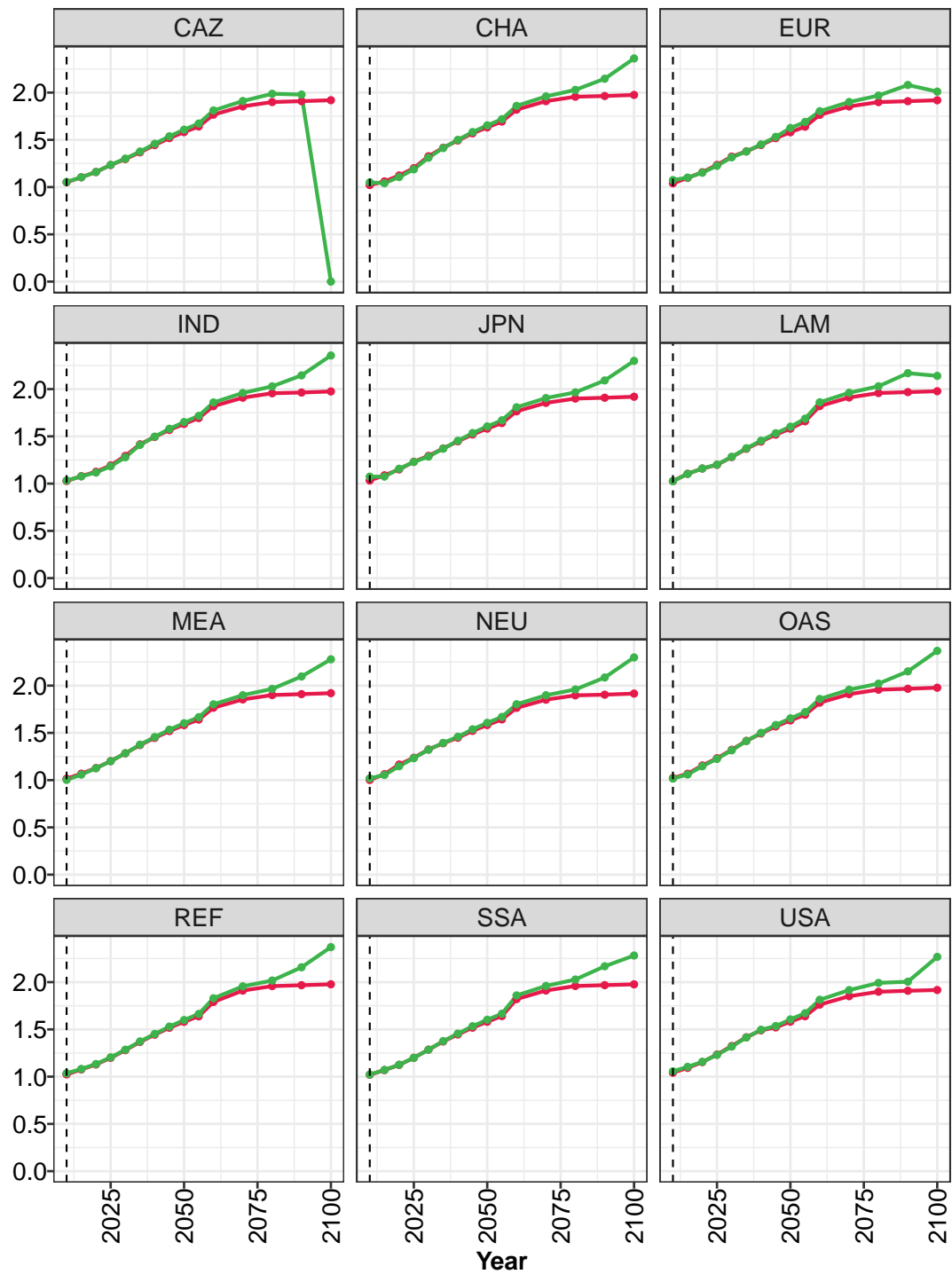
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

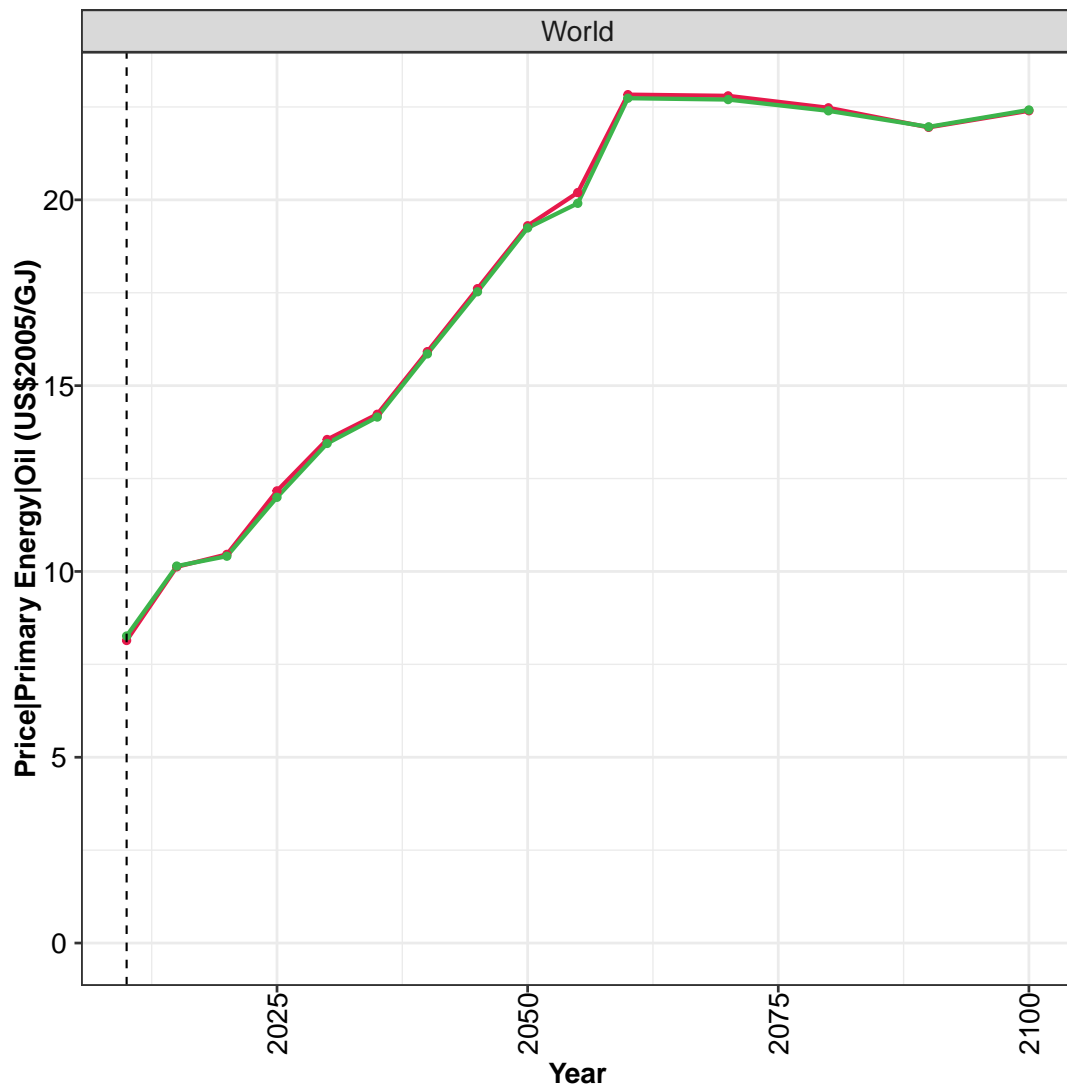




Model: REMIND

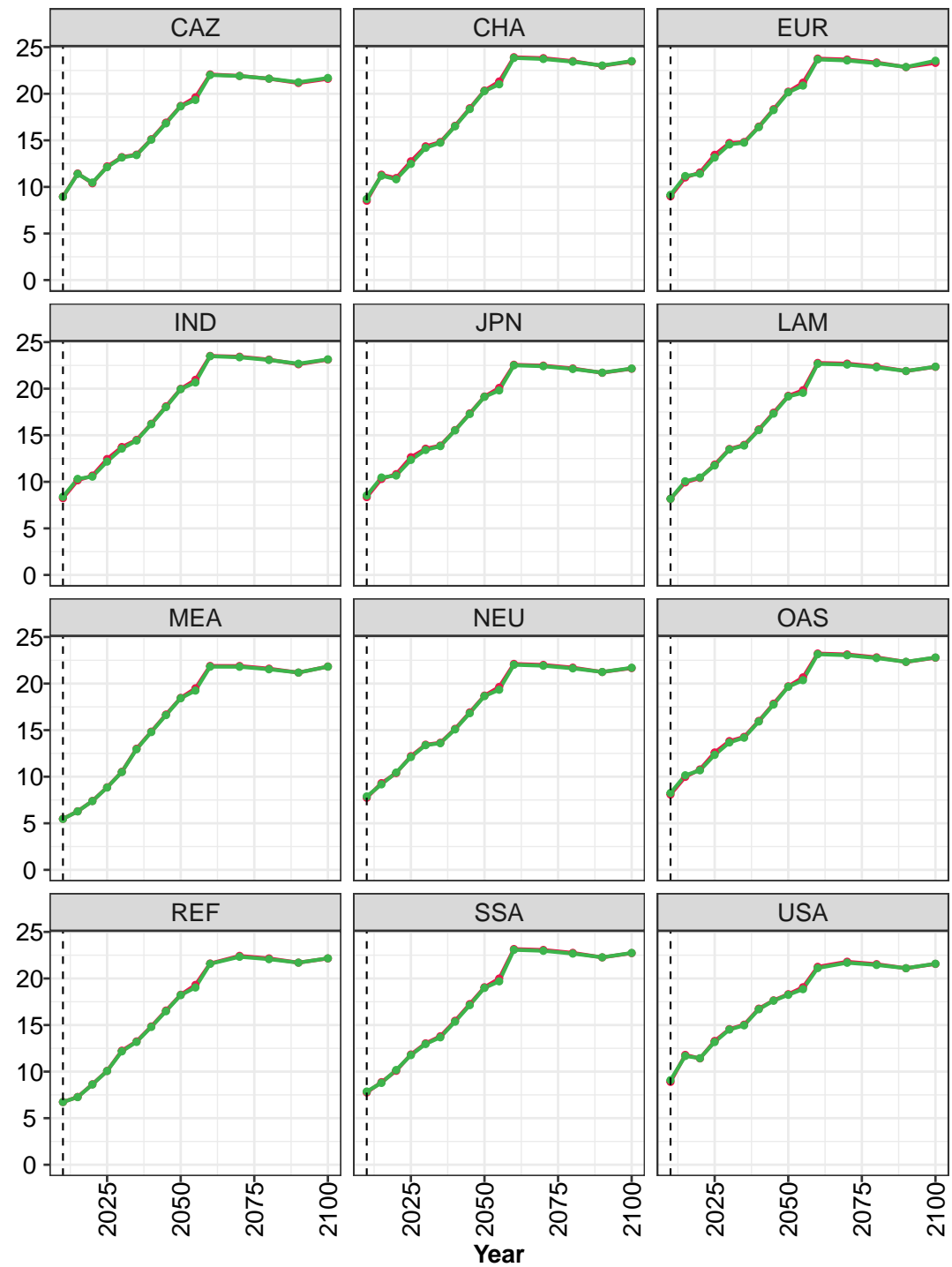
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



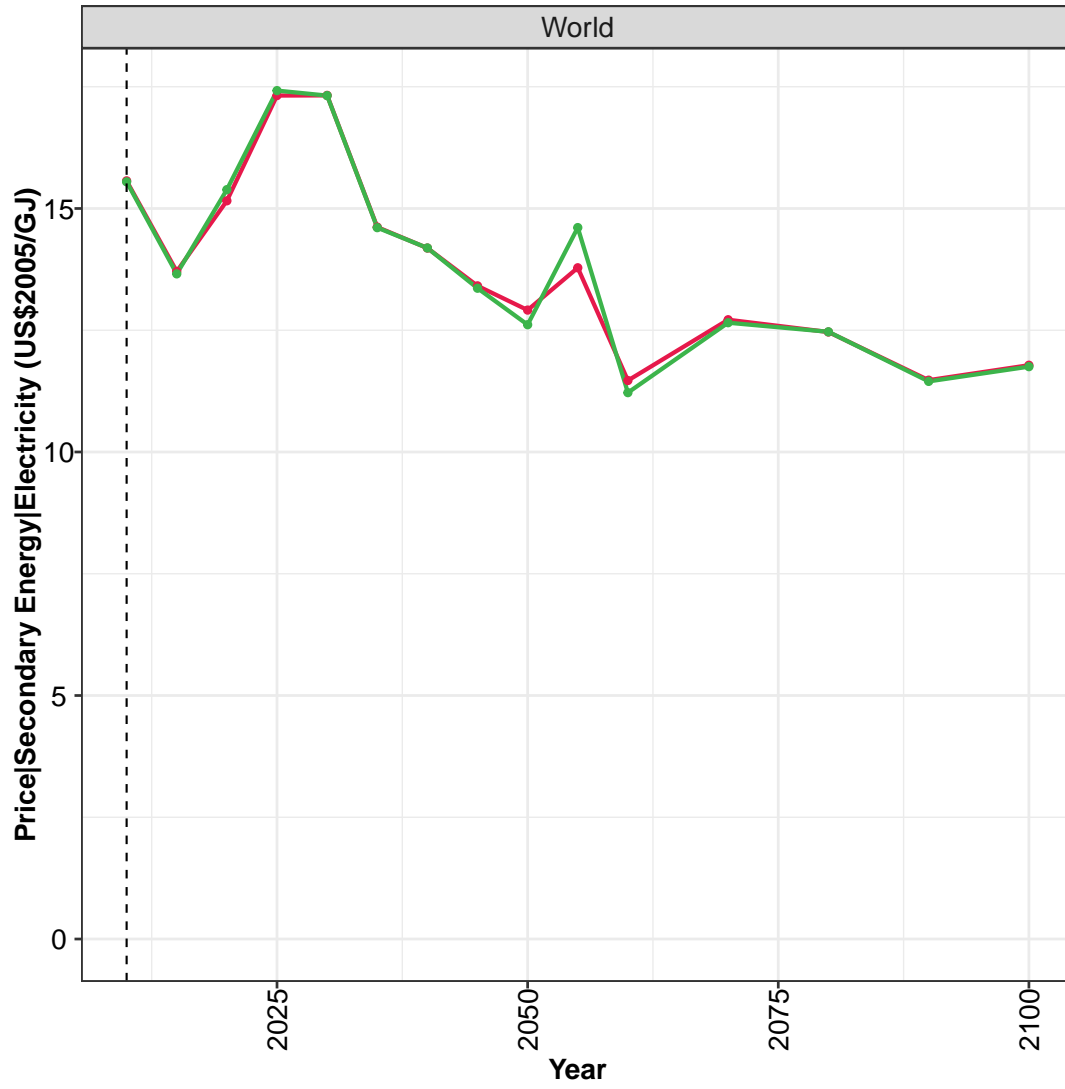


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

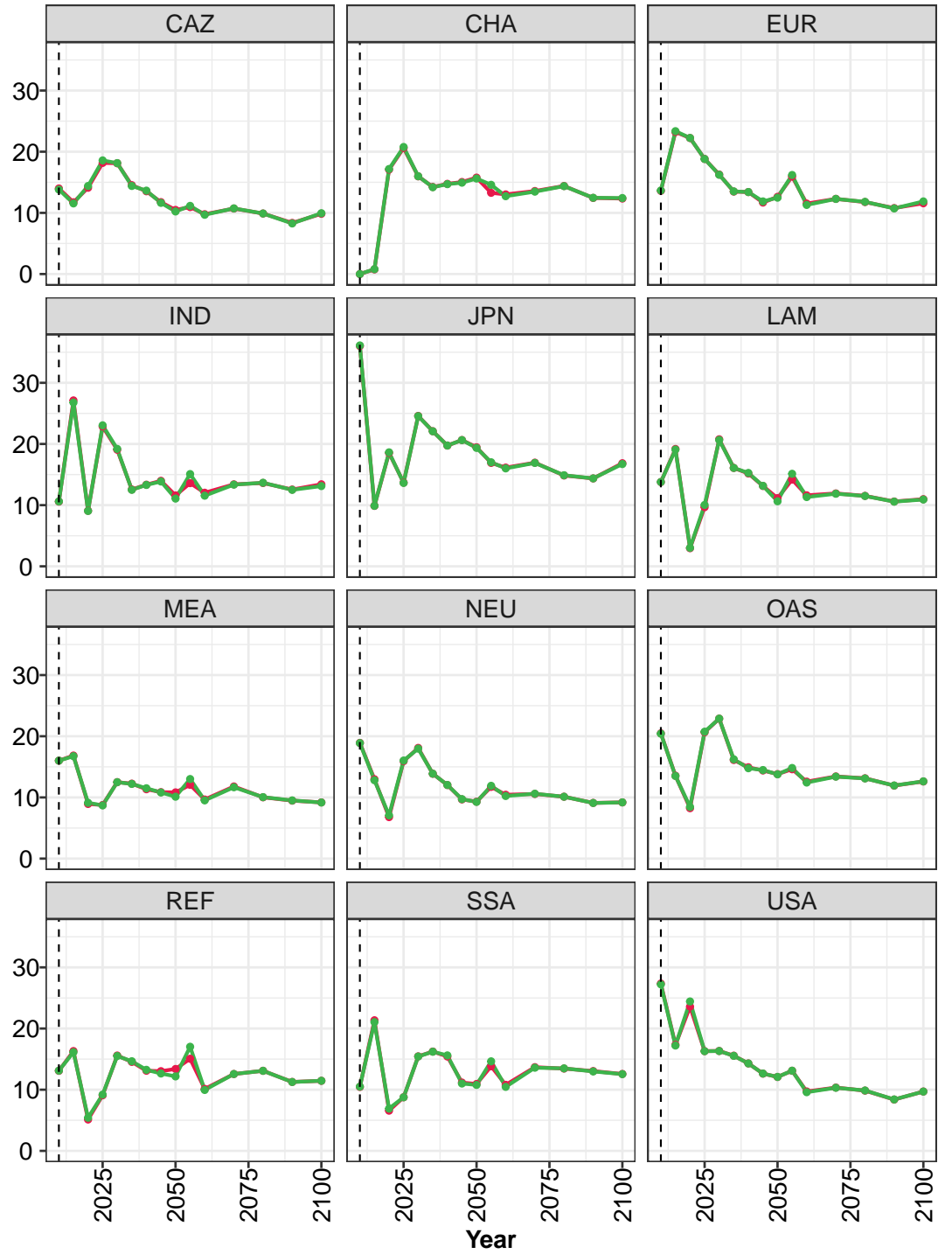


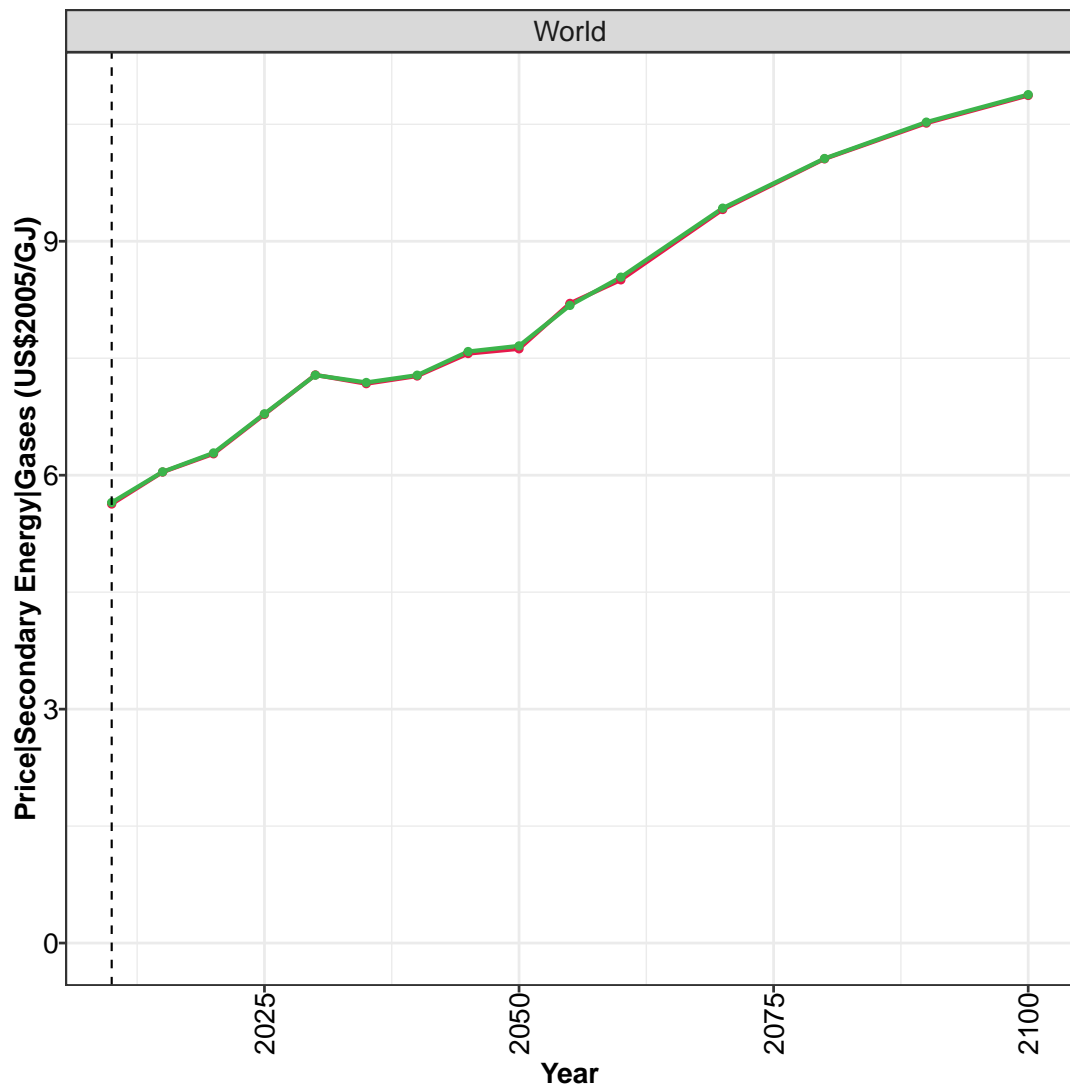
2.11.2 SE Prices



Model: REMIND

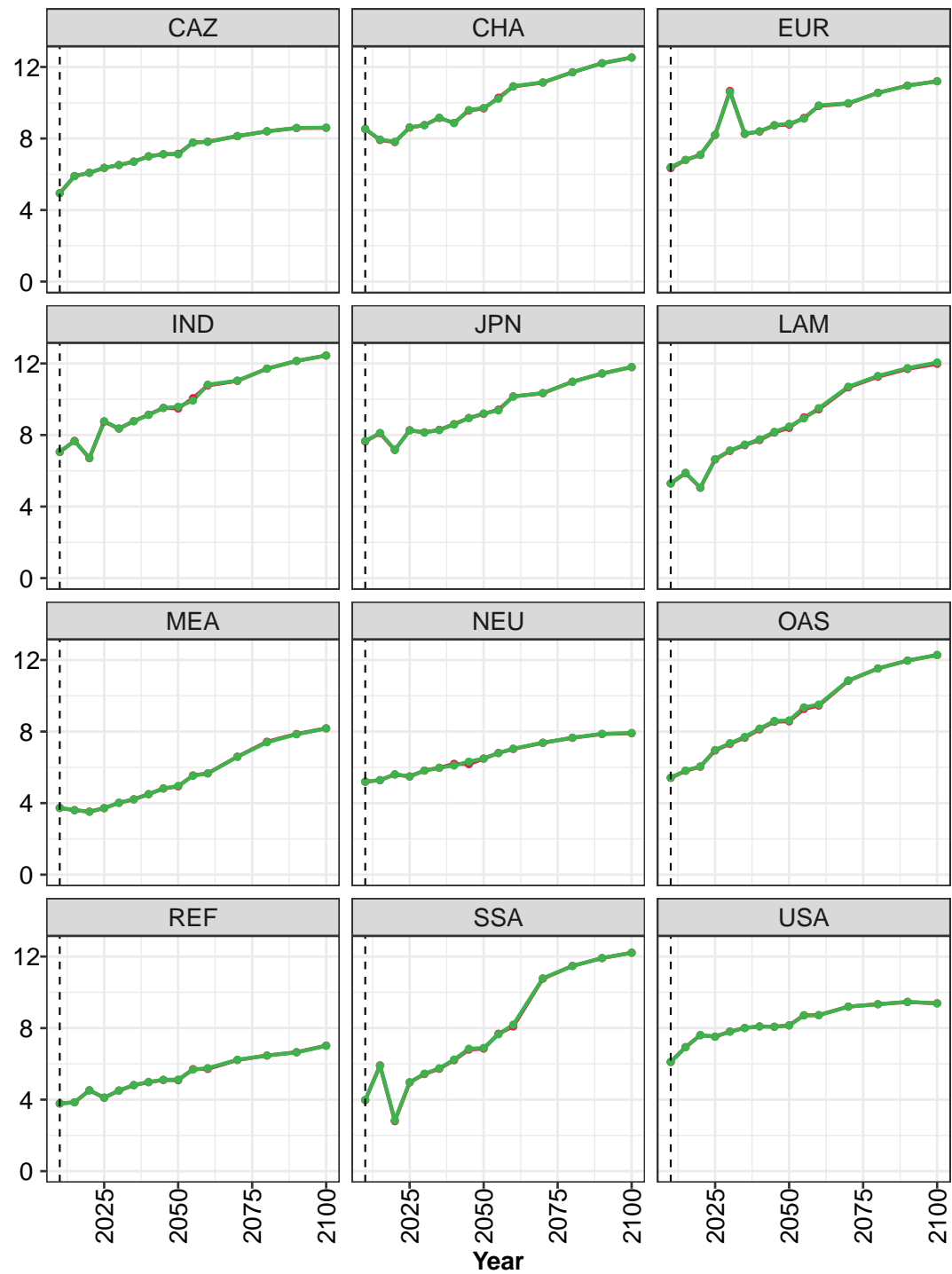
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

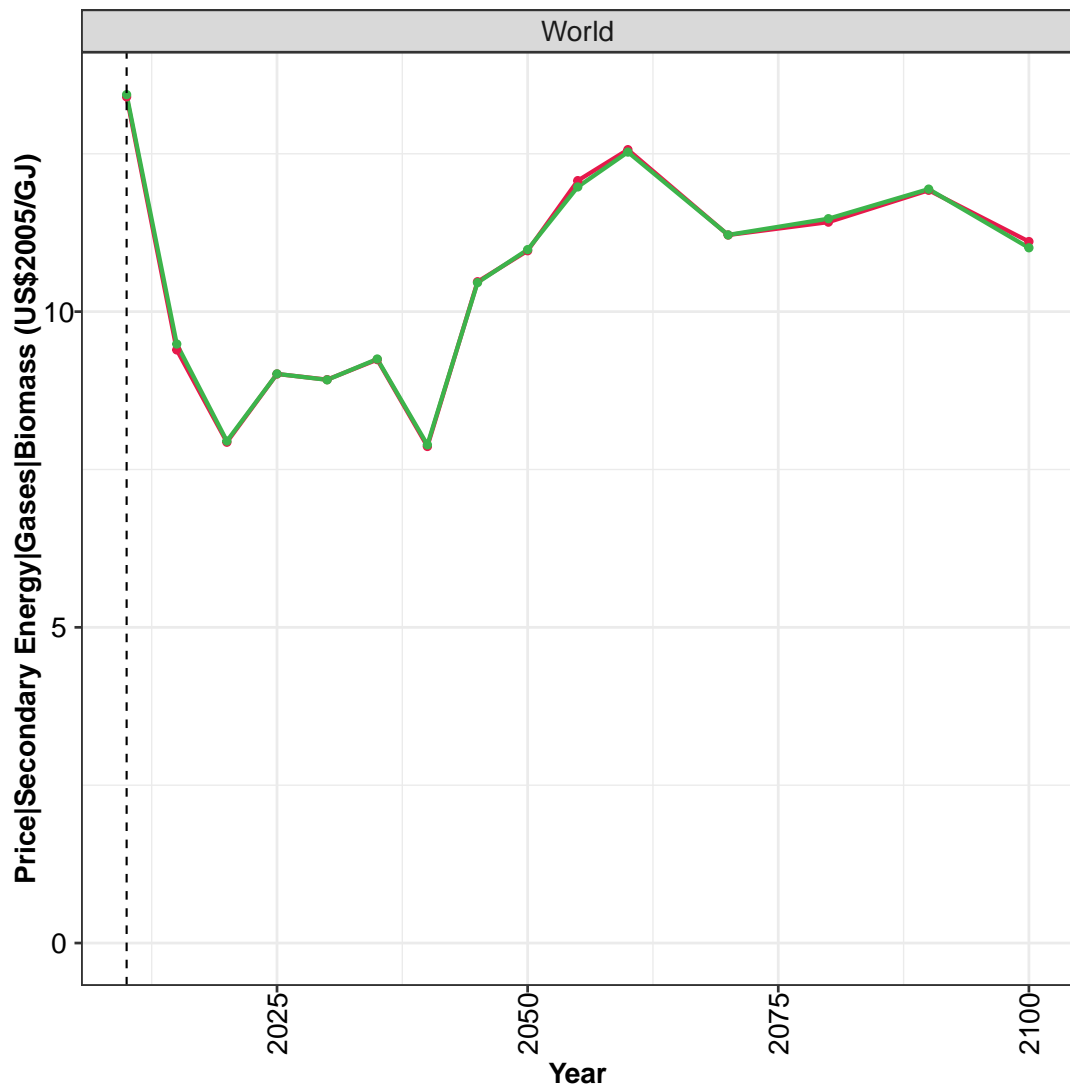




Model: REMIND

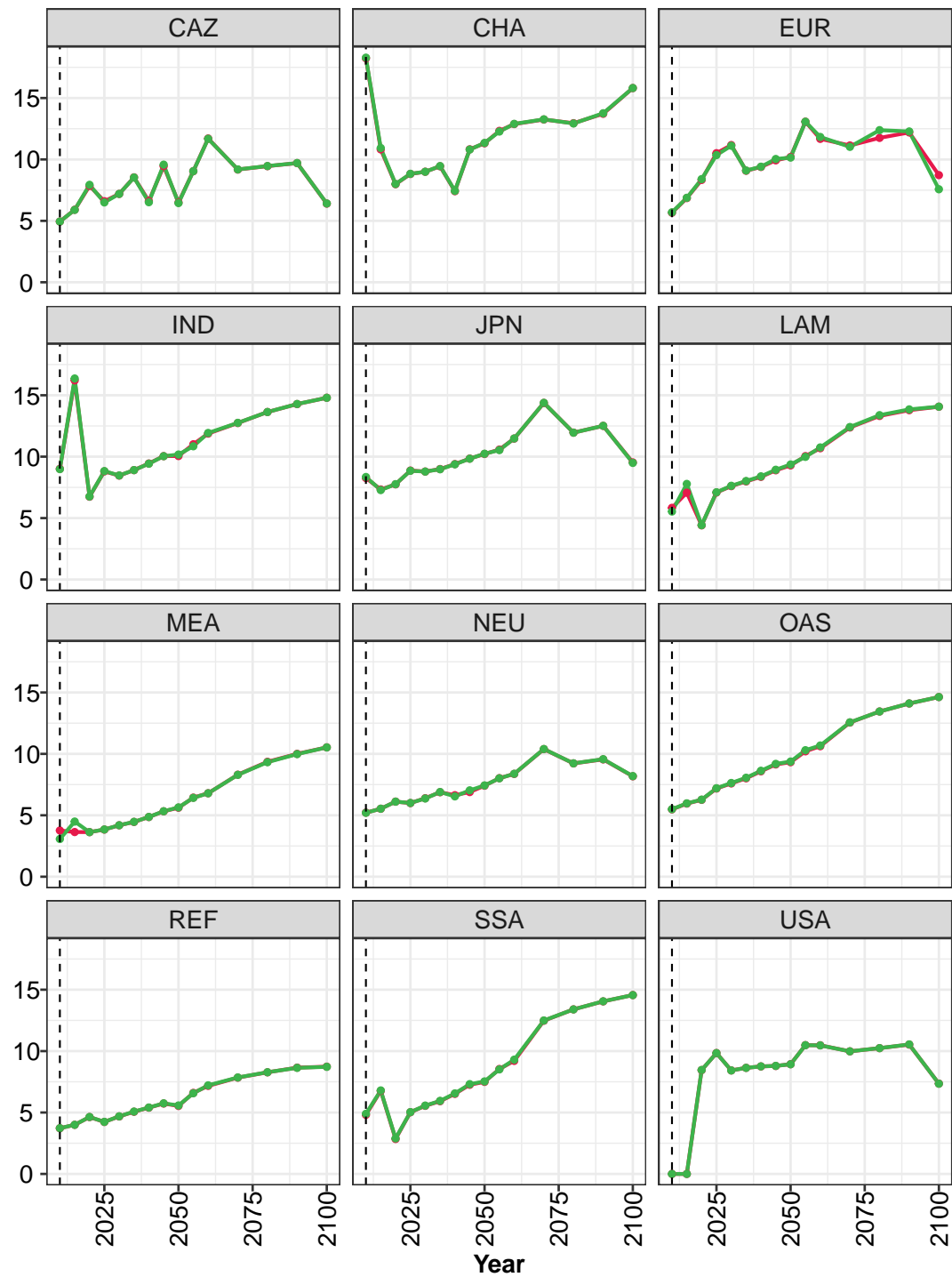
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

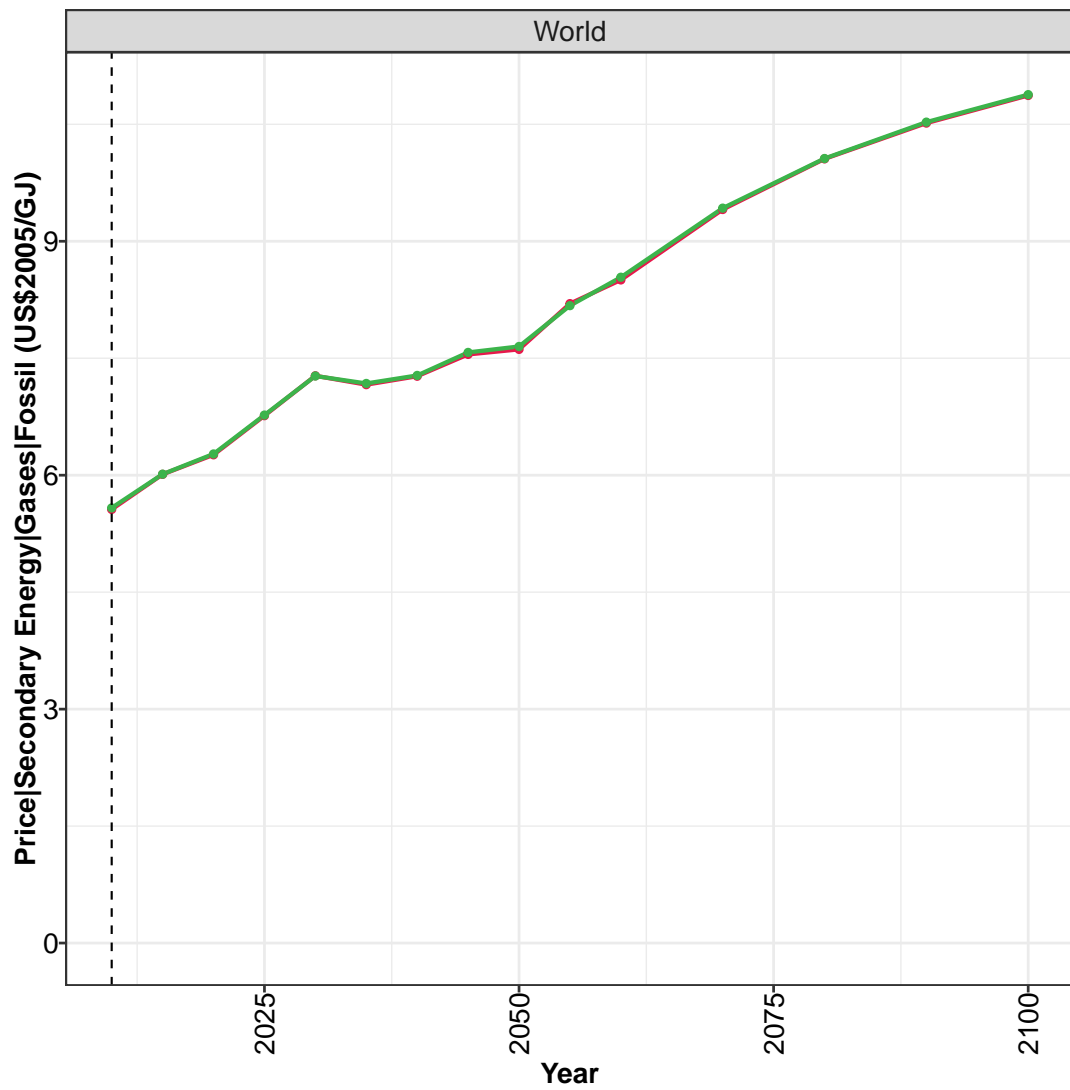




Model: REMIND

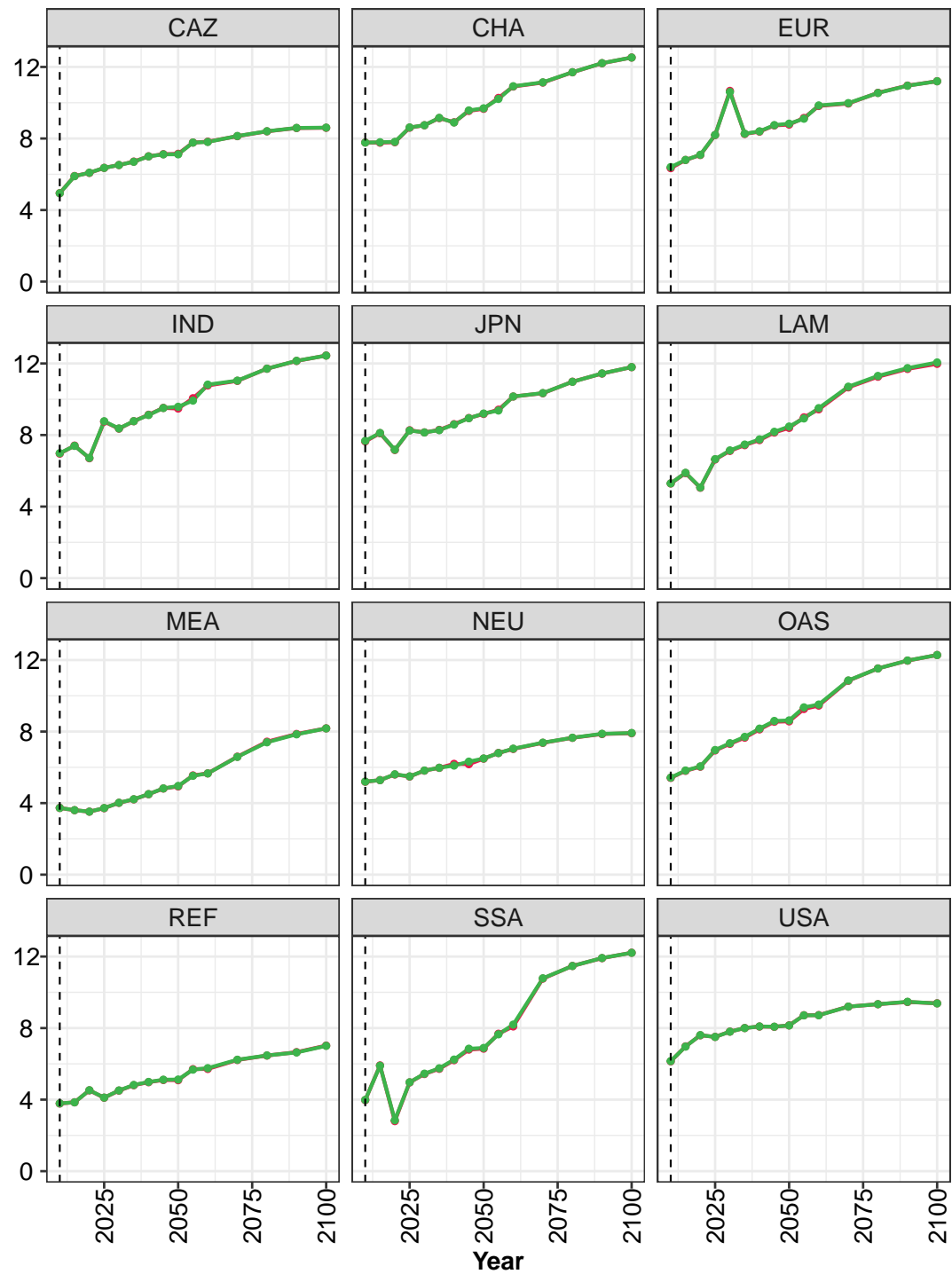
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

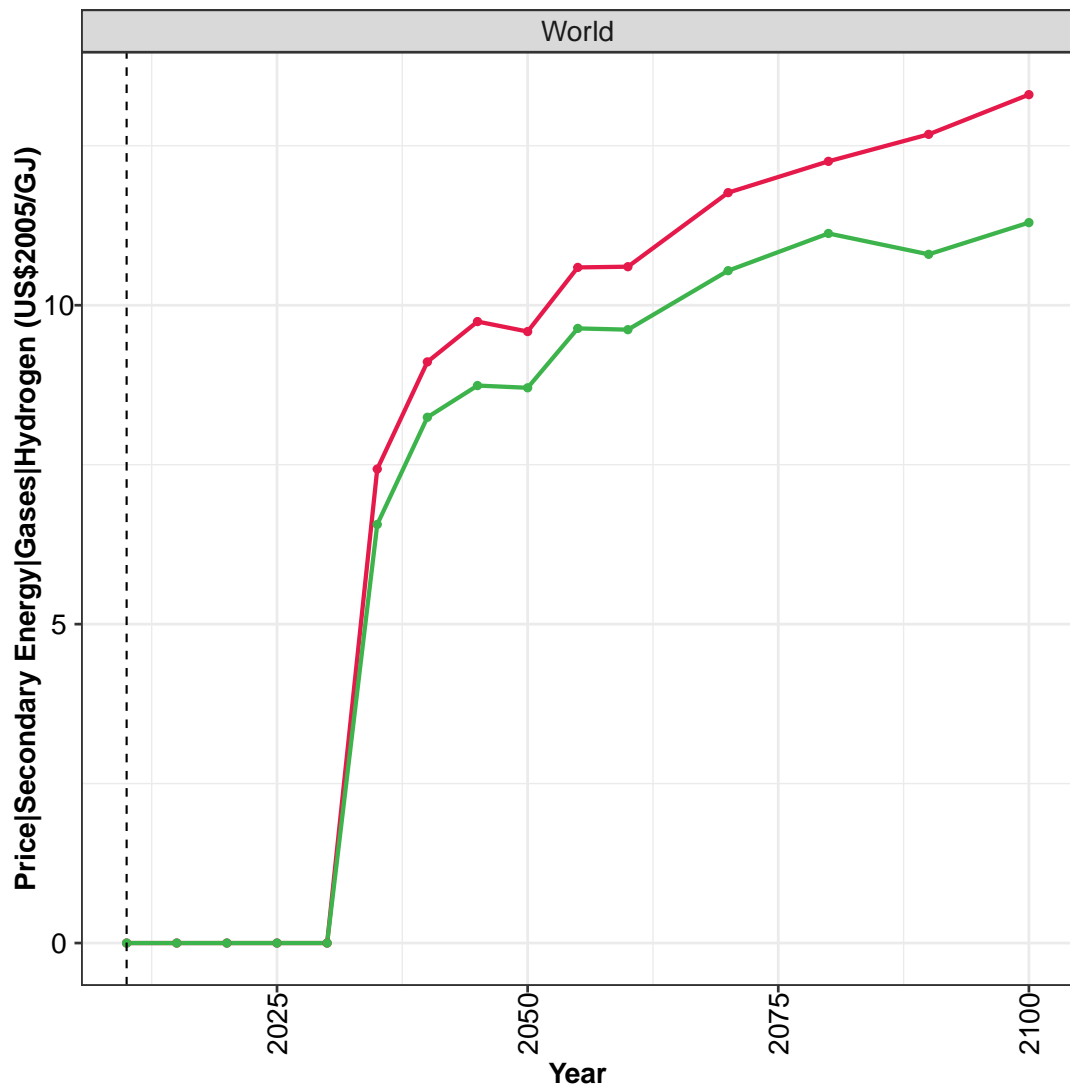




Model: REMIND

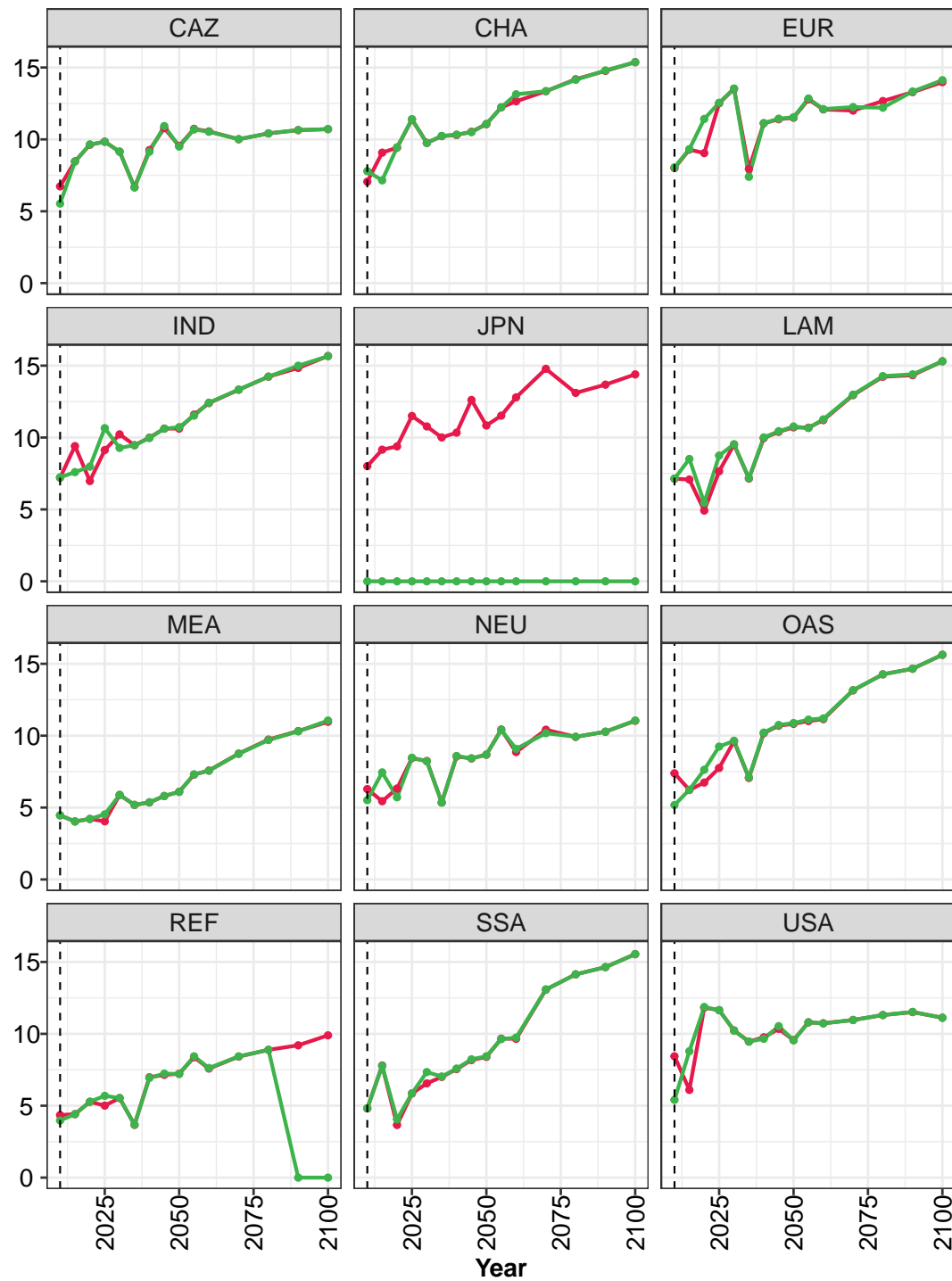
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

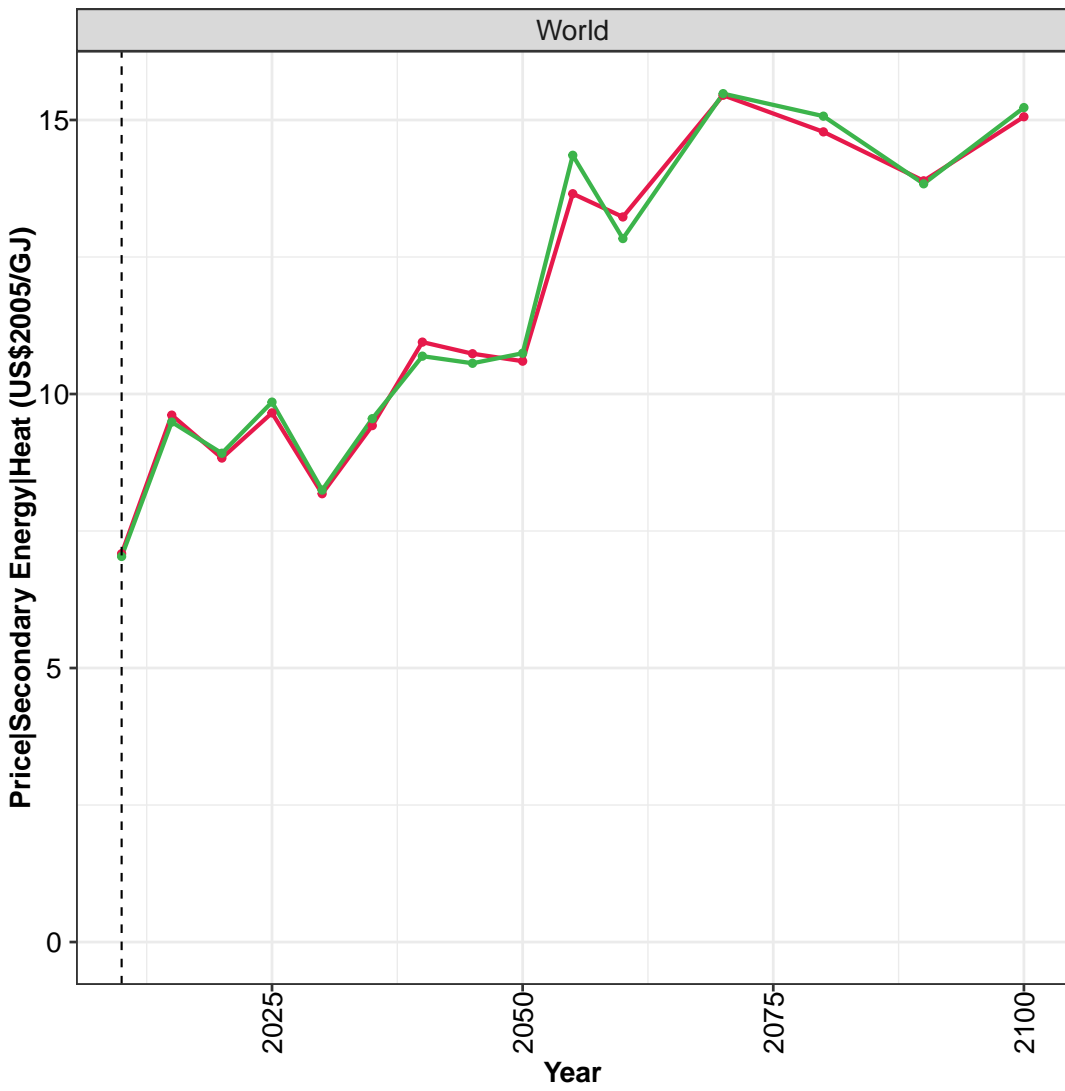




Model: REMIND

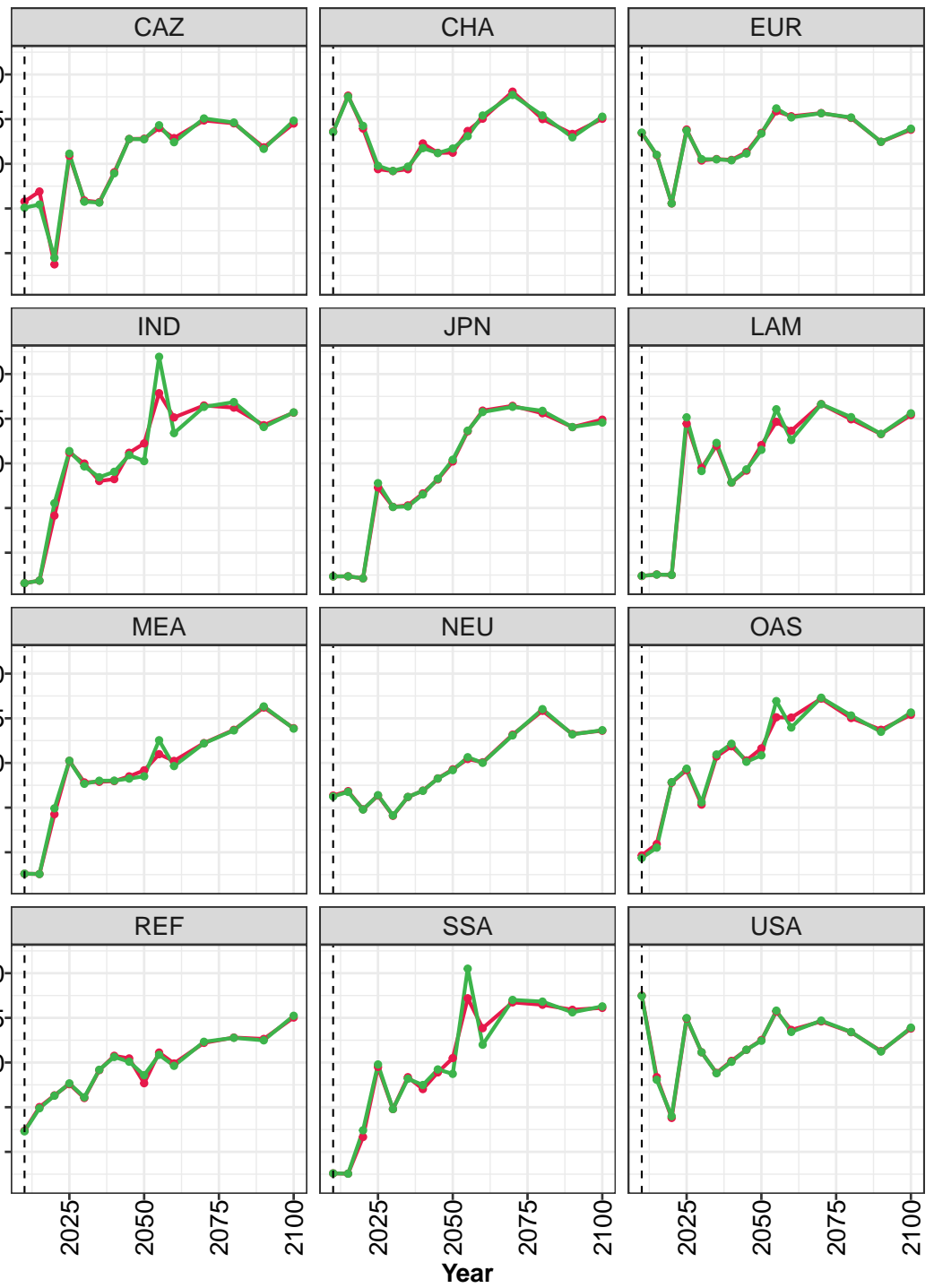
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

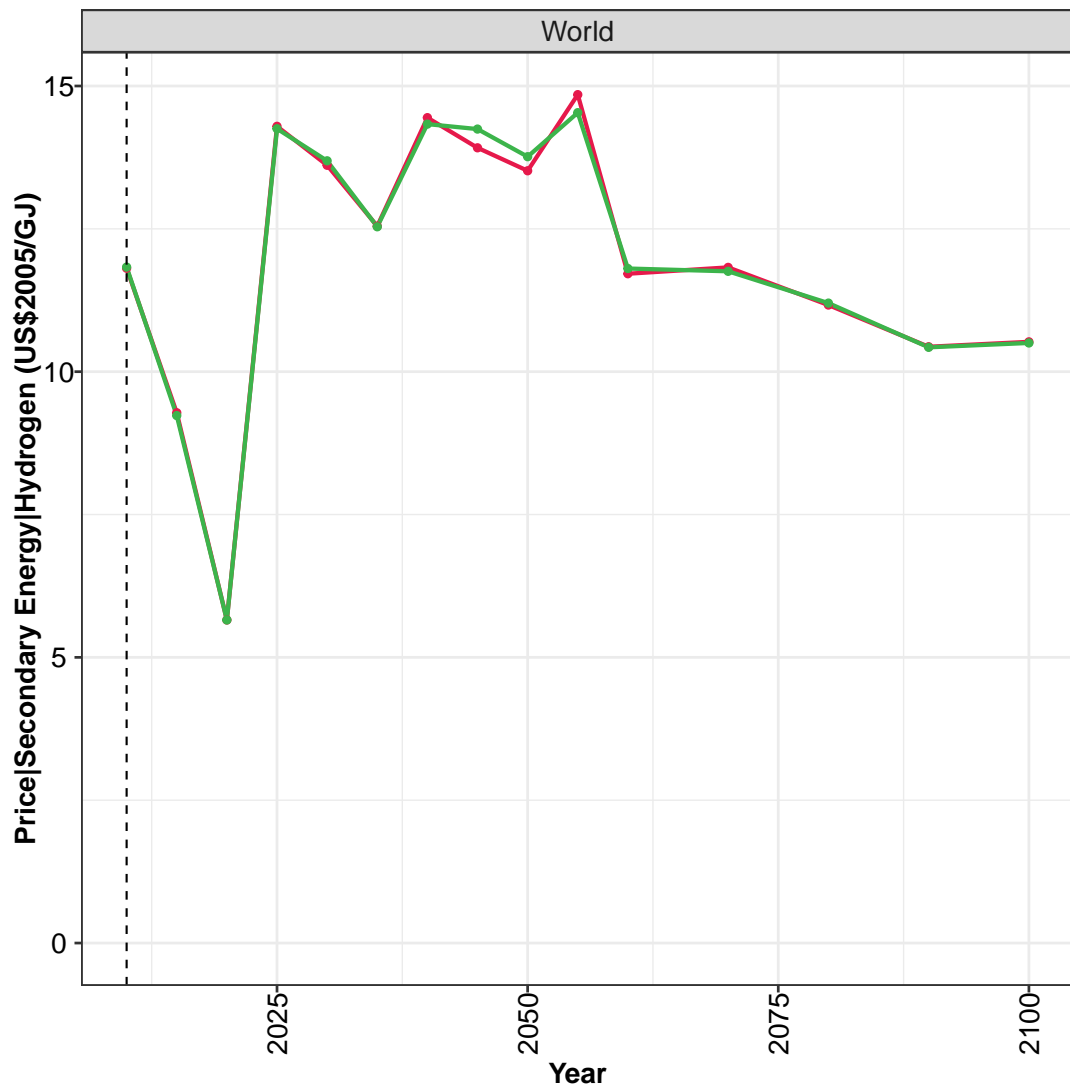




Model: REMIND

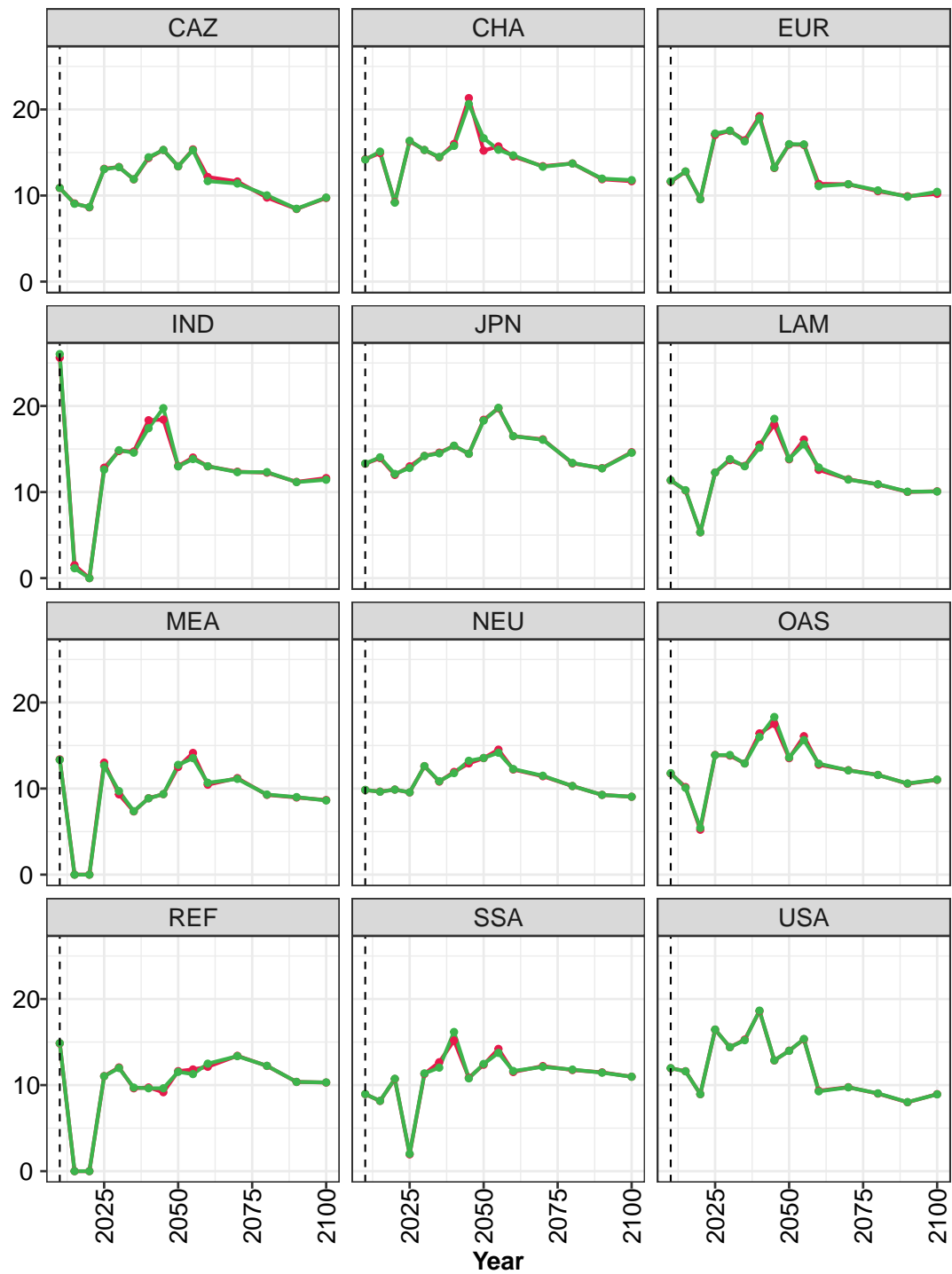
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

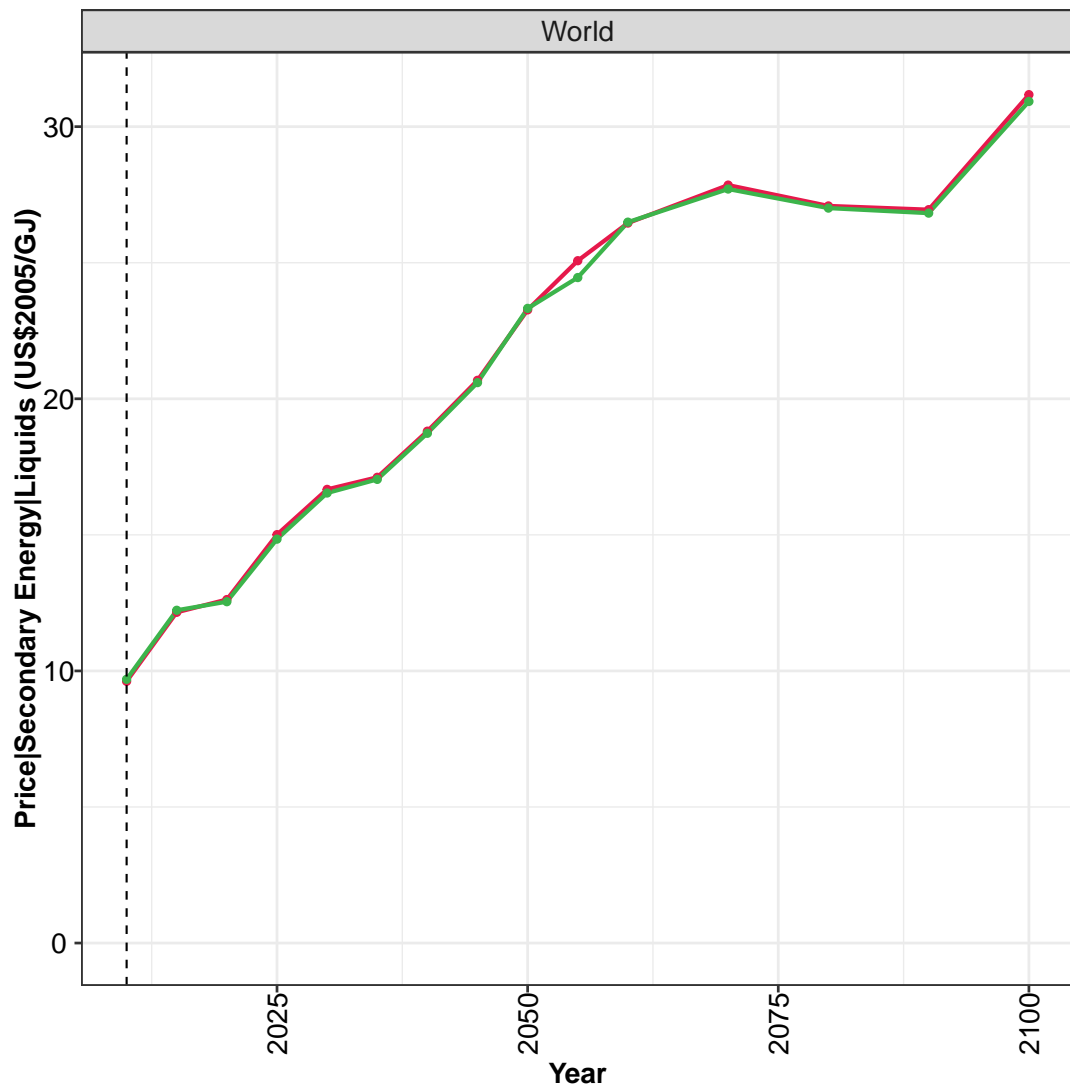




Model: REMIND

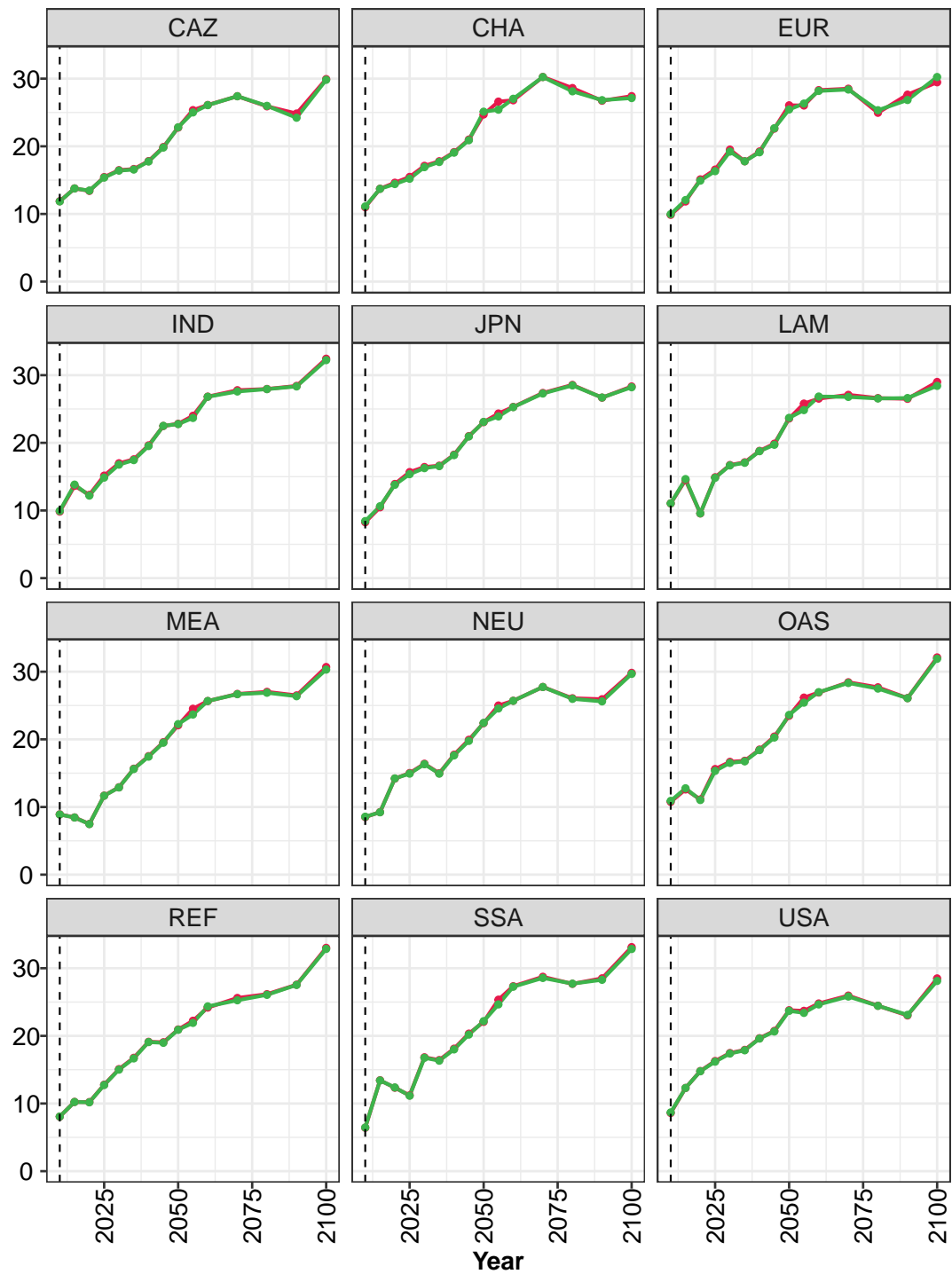
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- SSP2EU-NPi-calibrate-ETPfix

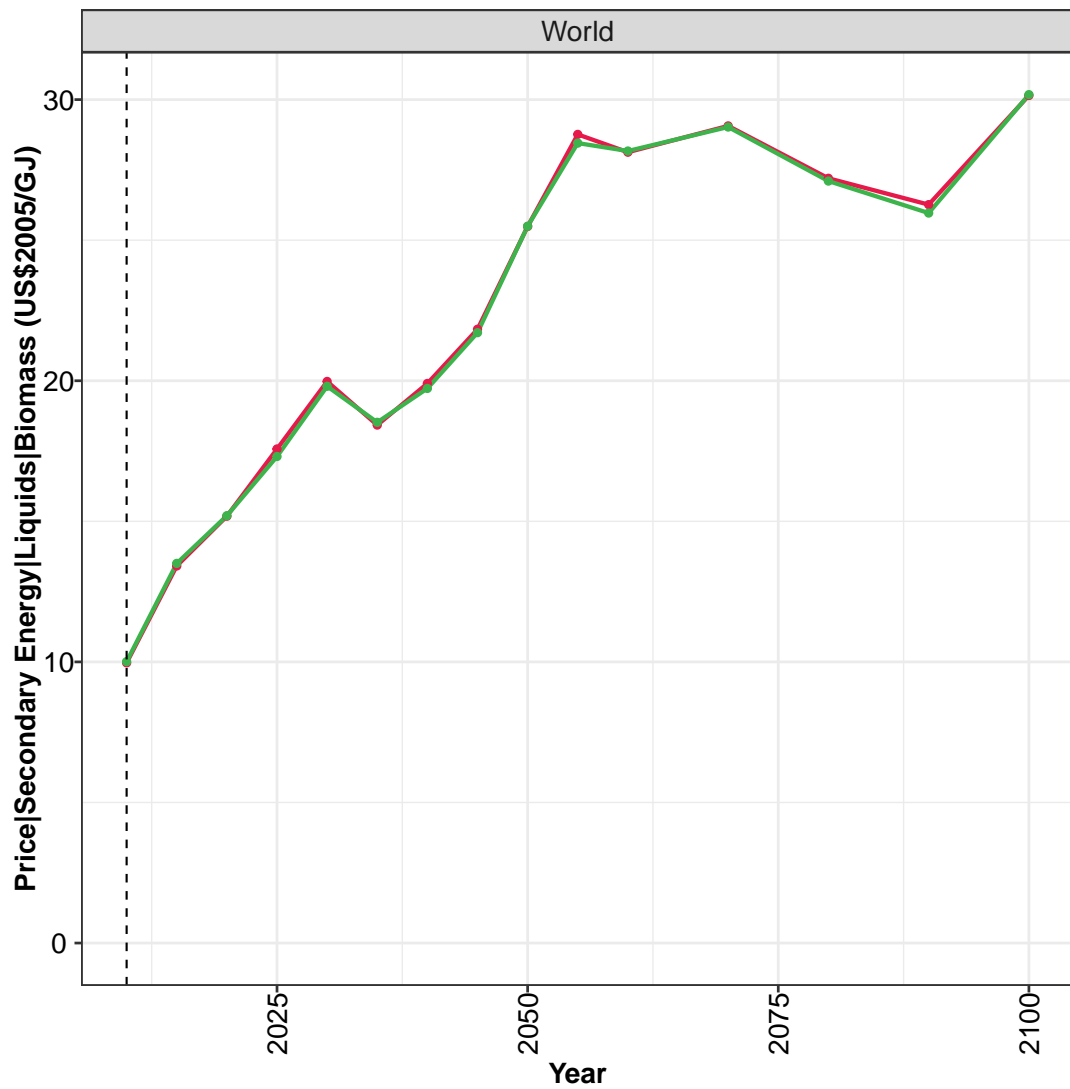




Model: REMIND

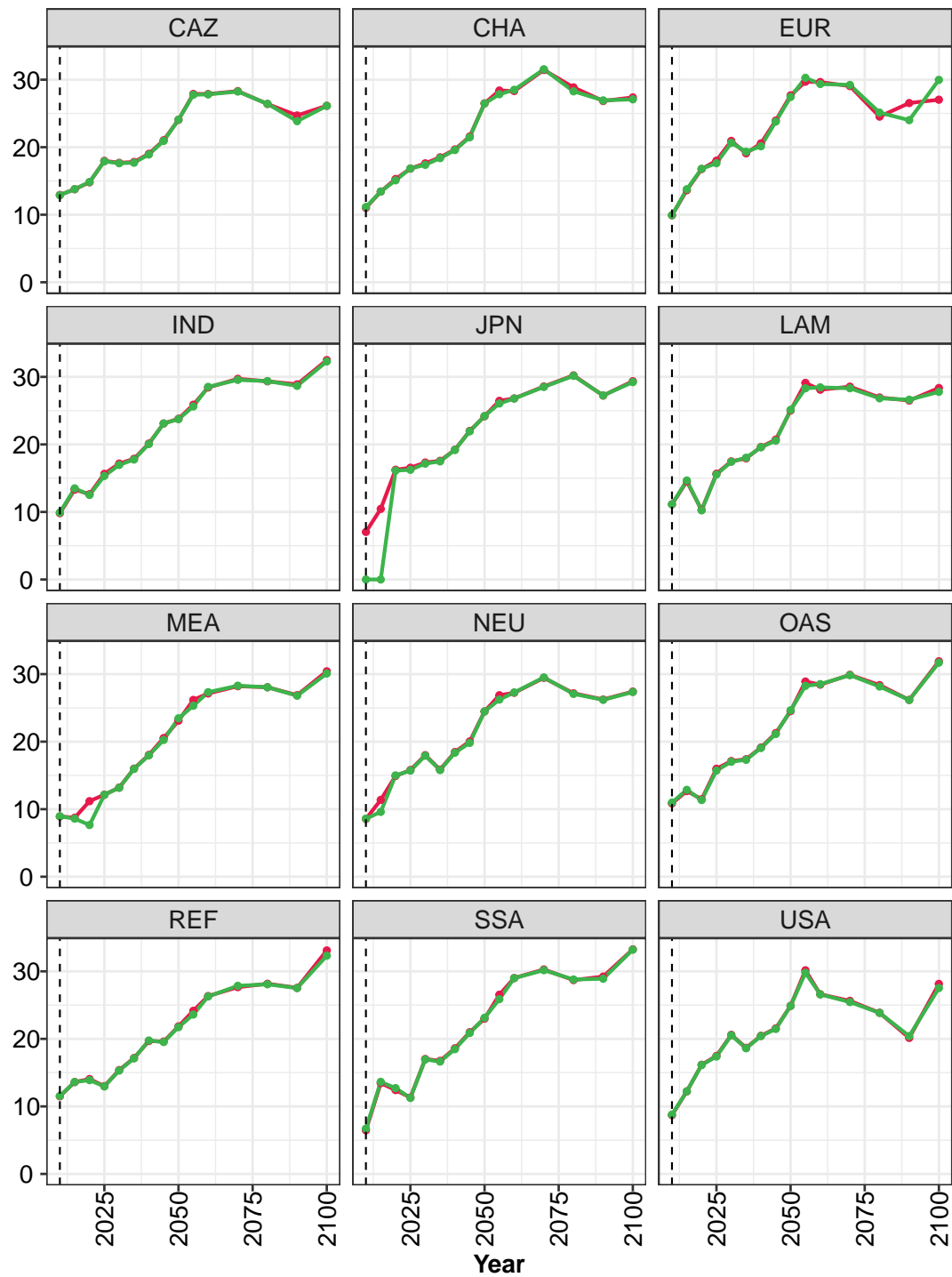
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

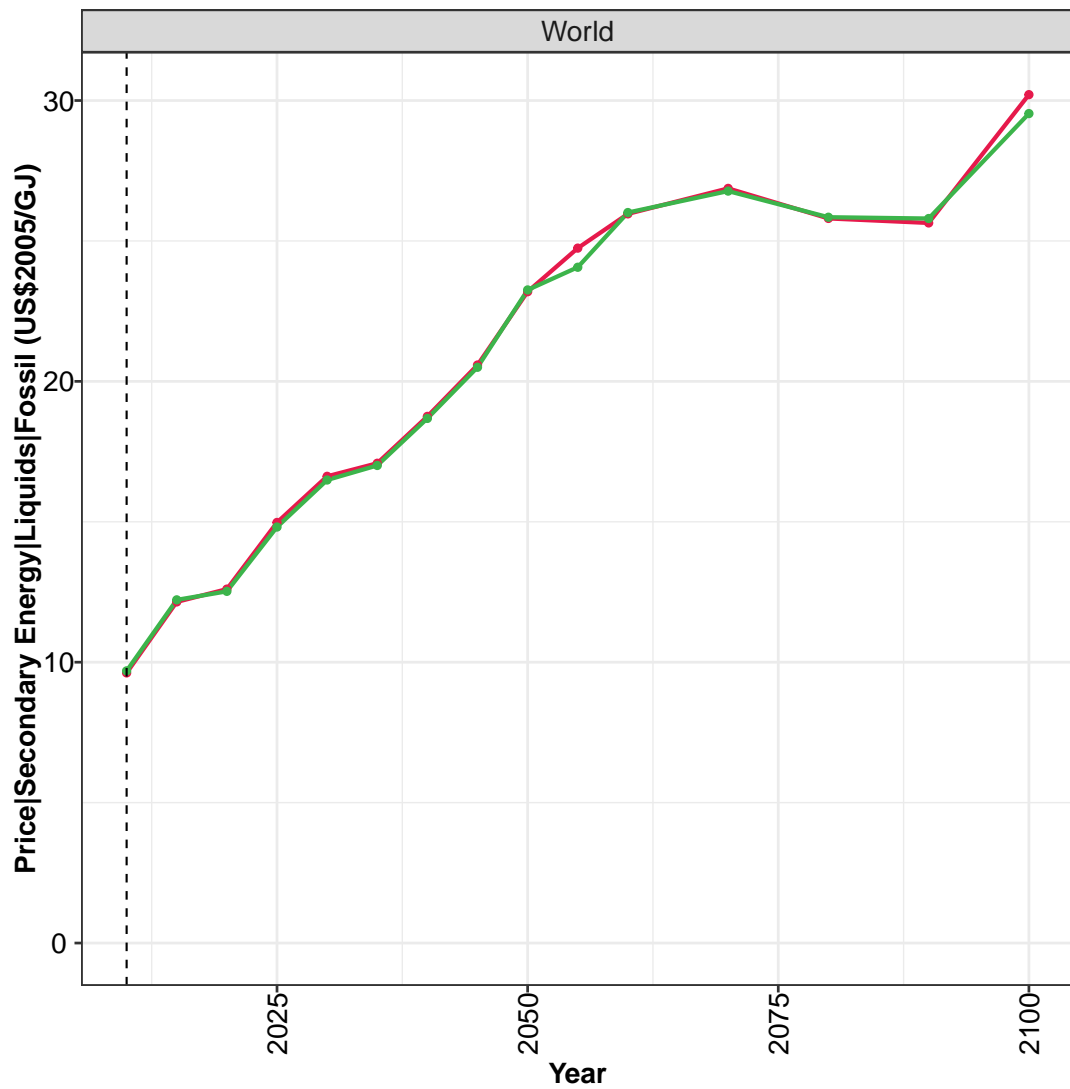




Model: REMIND

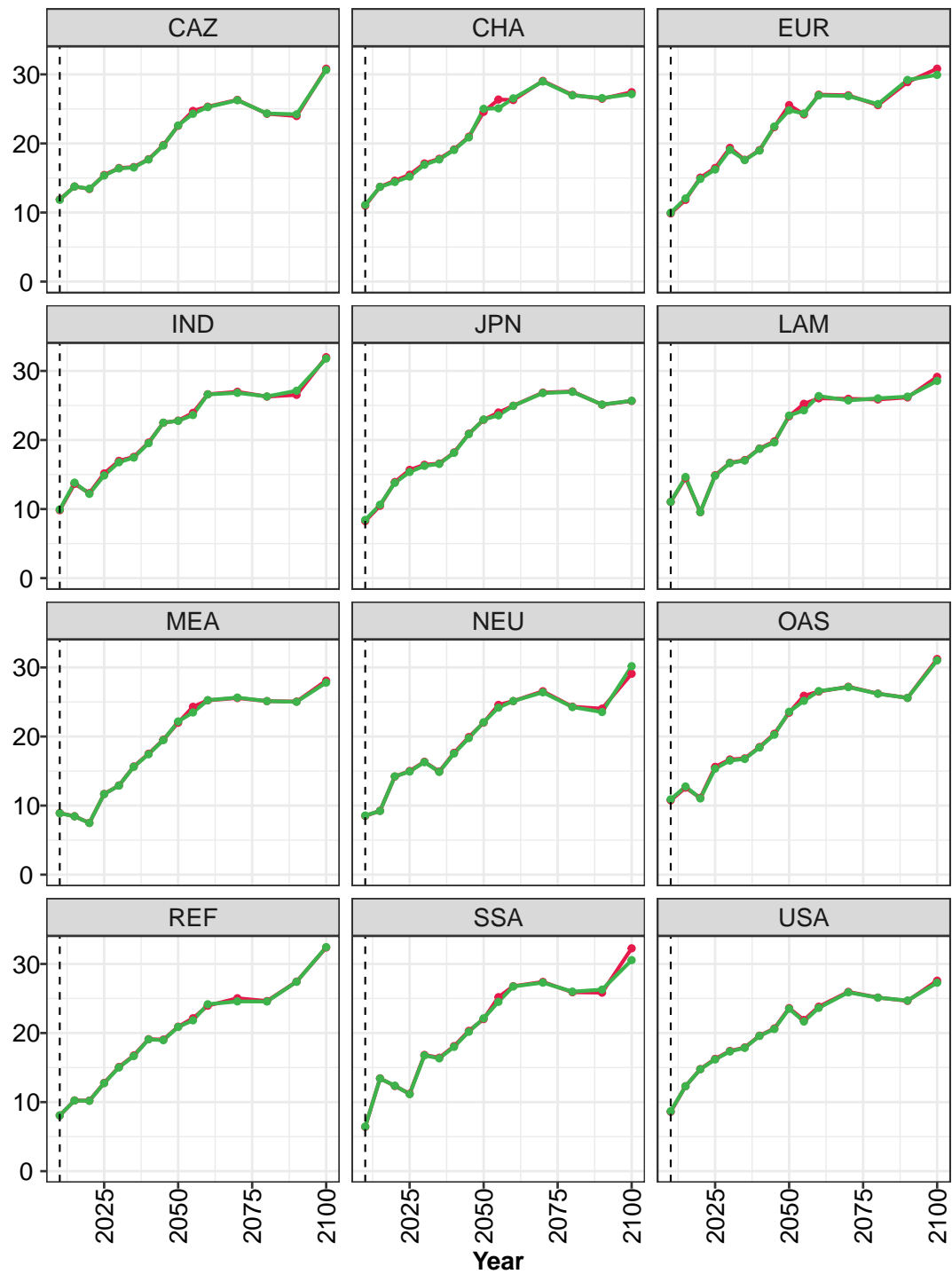
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

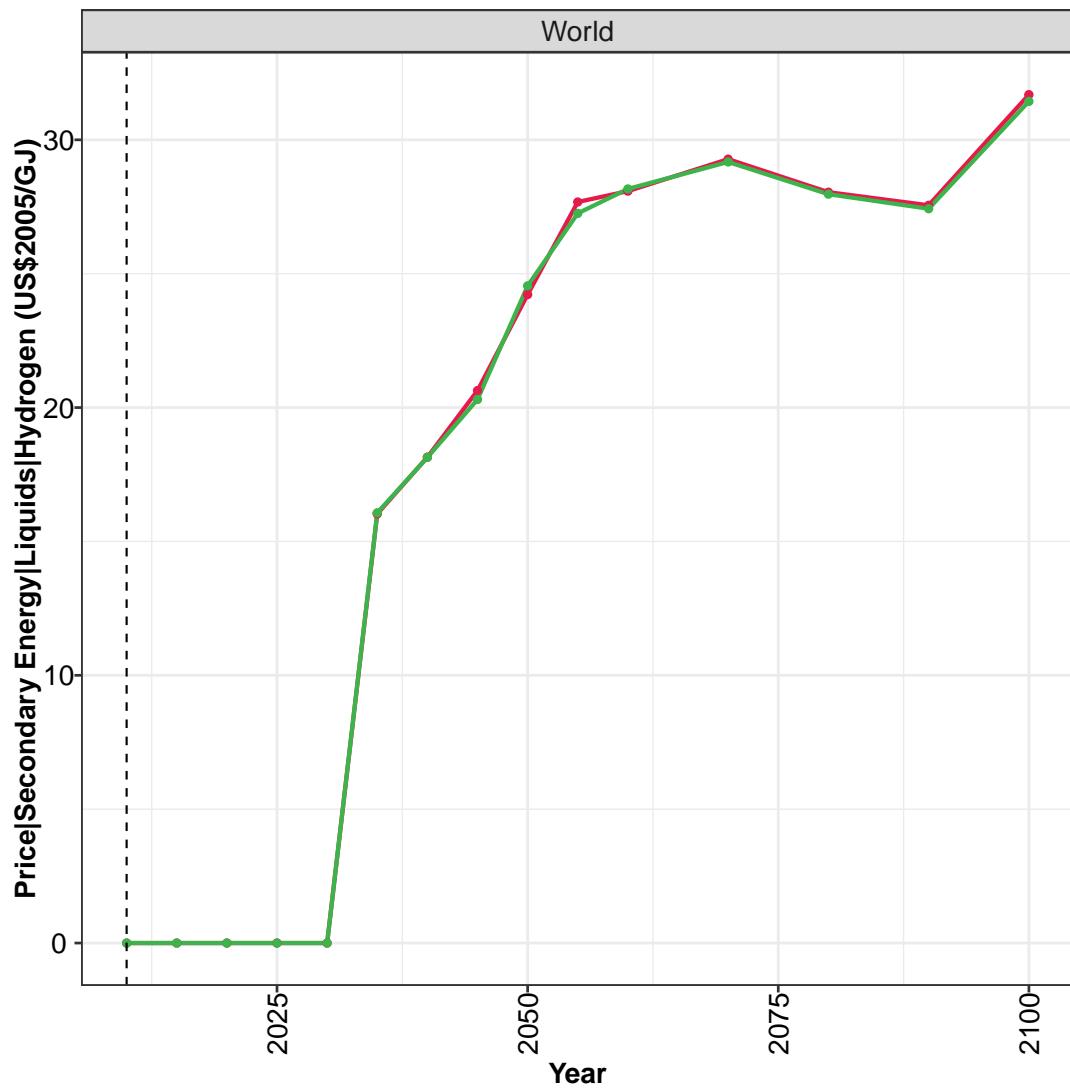




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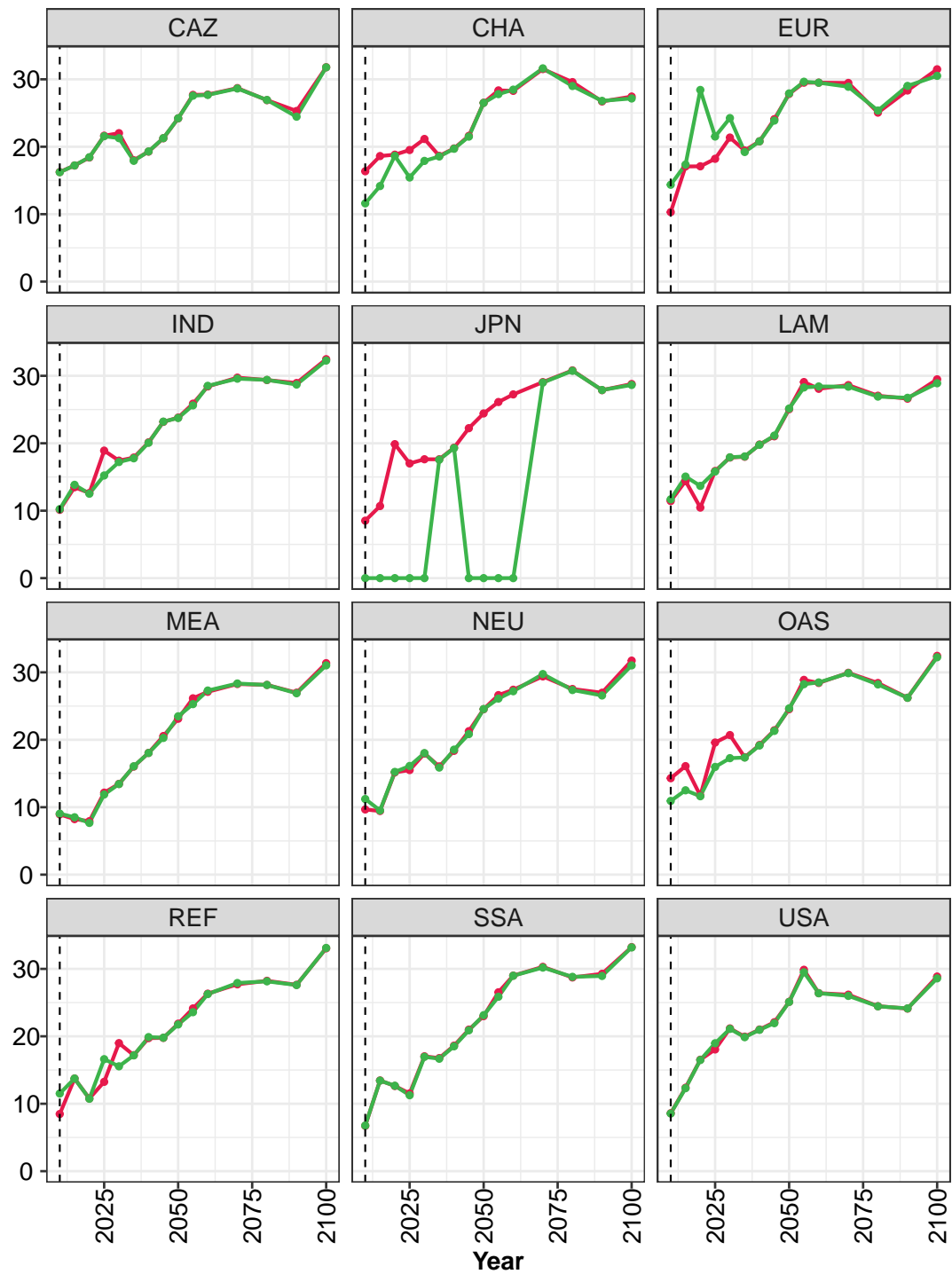
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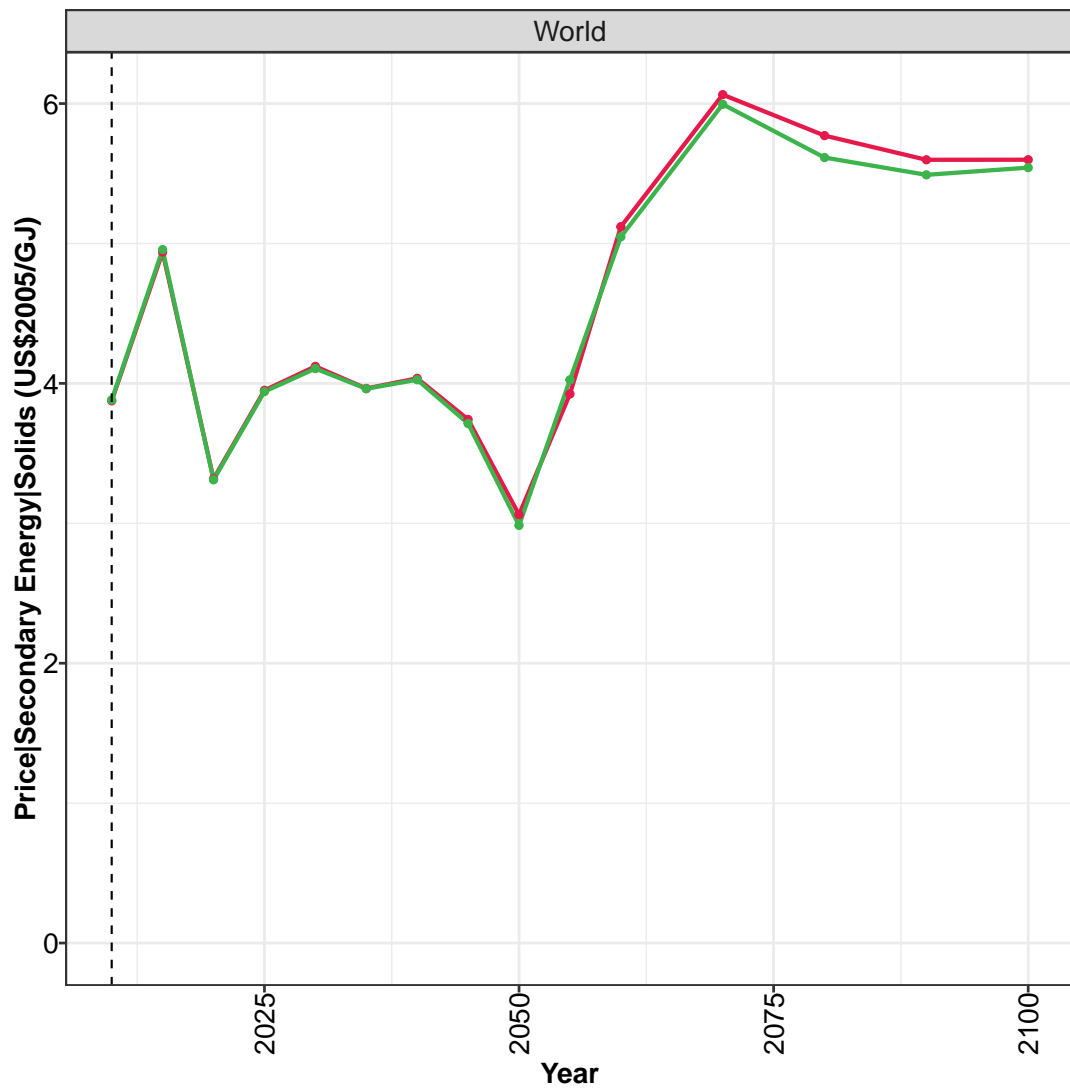




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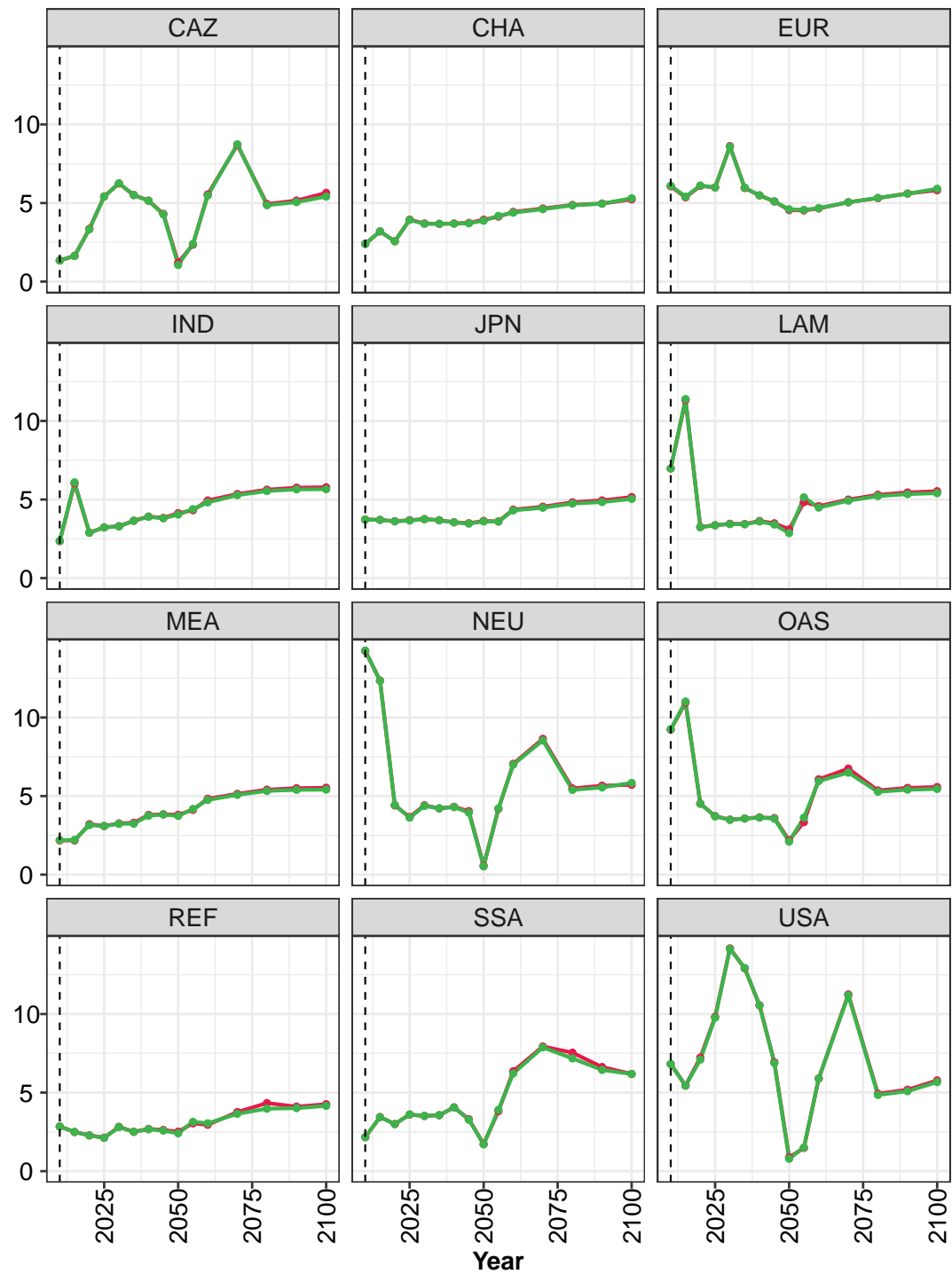
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- SSP2EU-NPi-calibrate-ETPfix

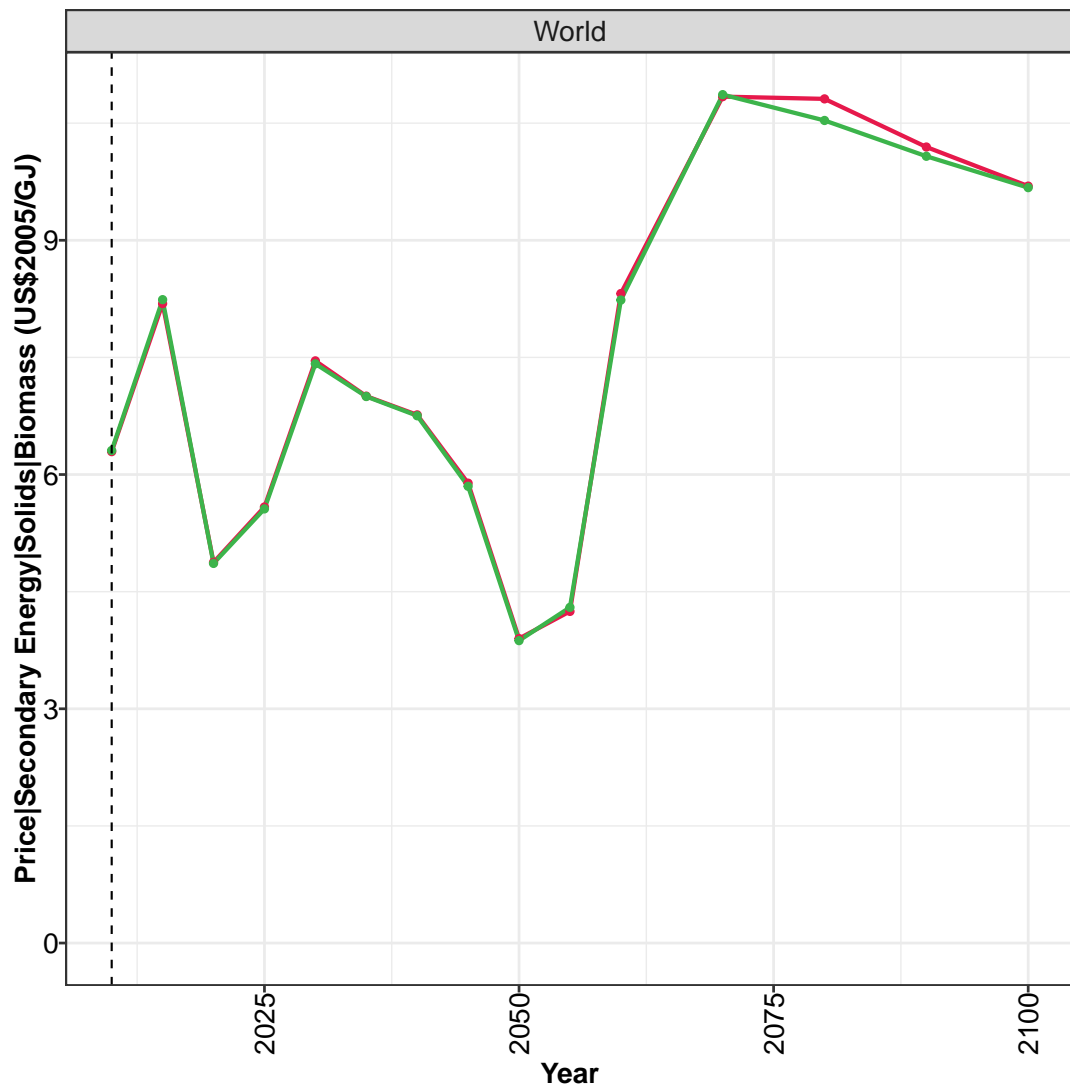




Model: REMIND

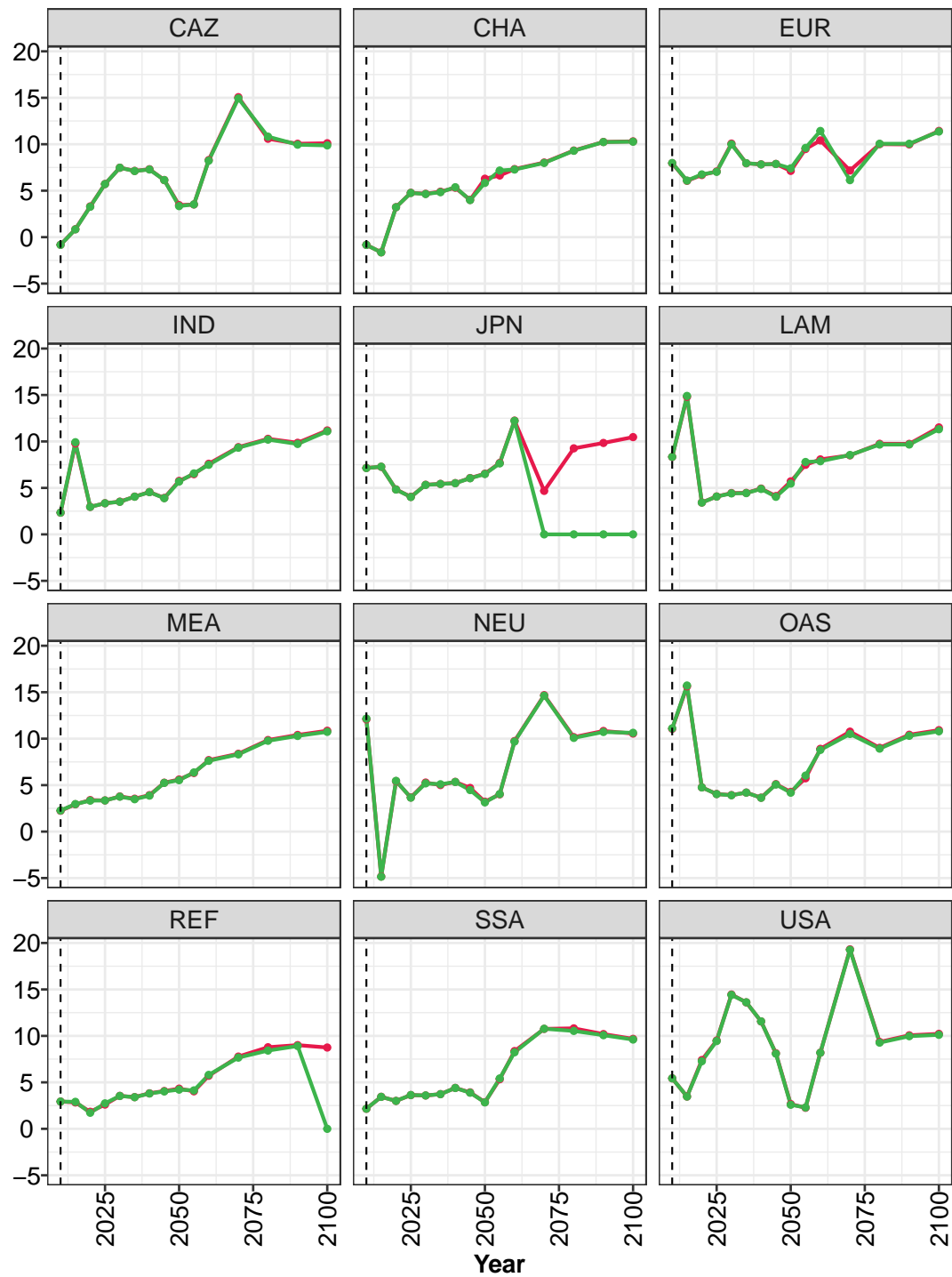
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

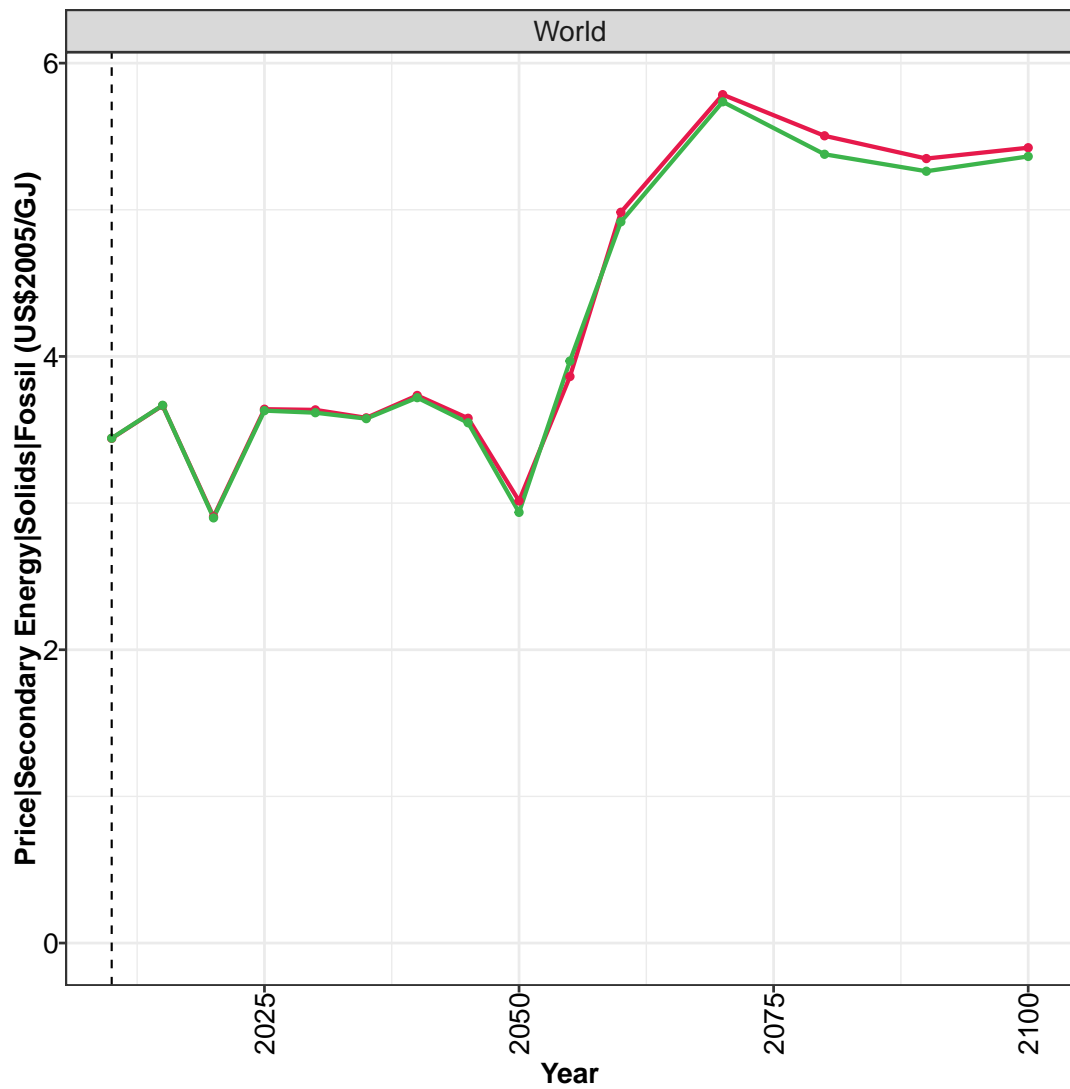




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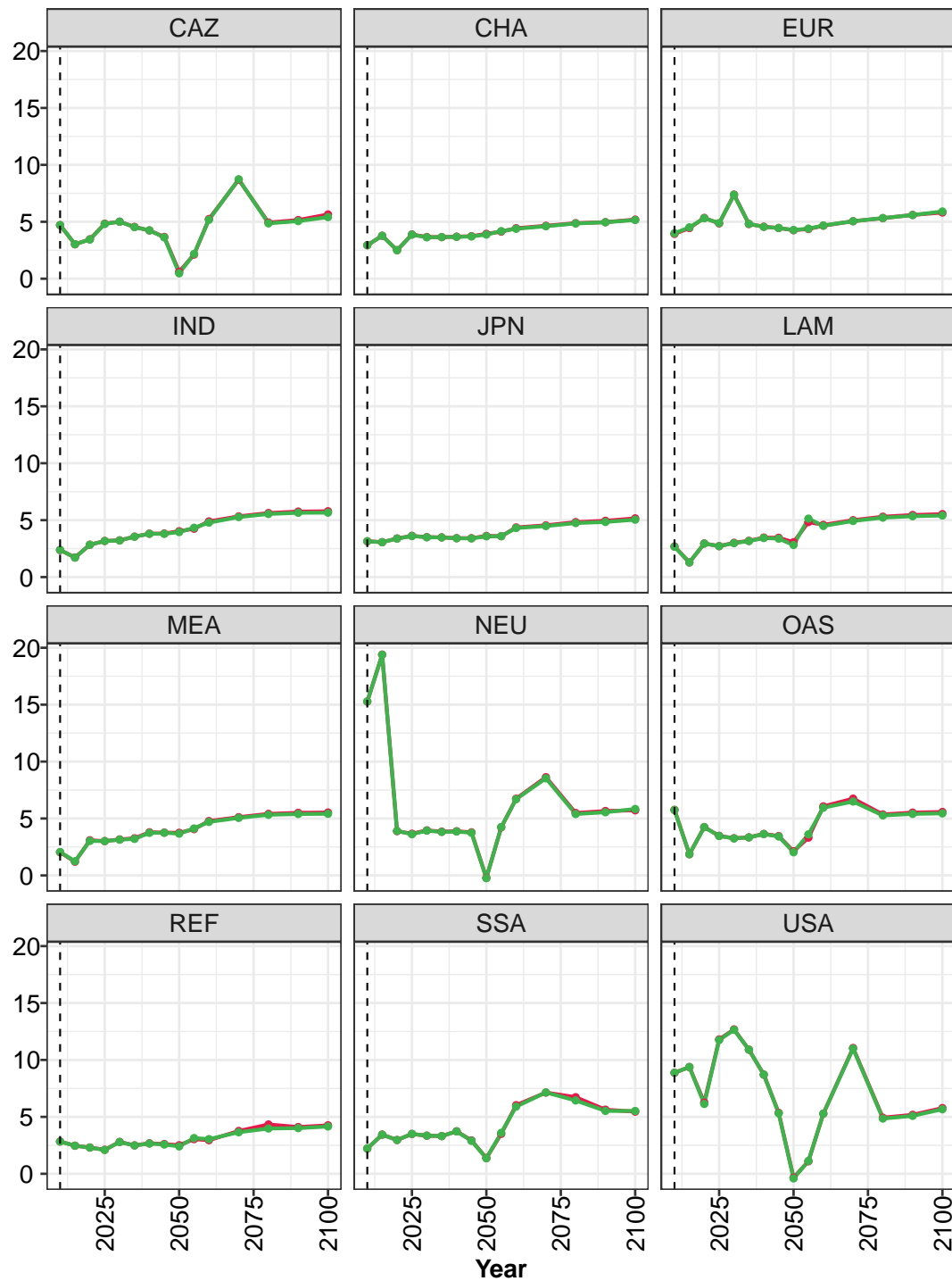
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- SSP2EU-NPi-calibrate-ETPfix



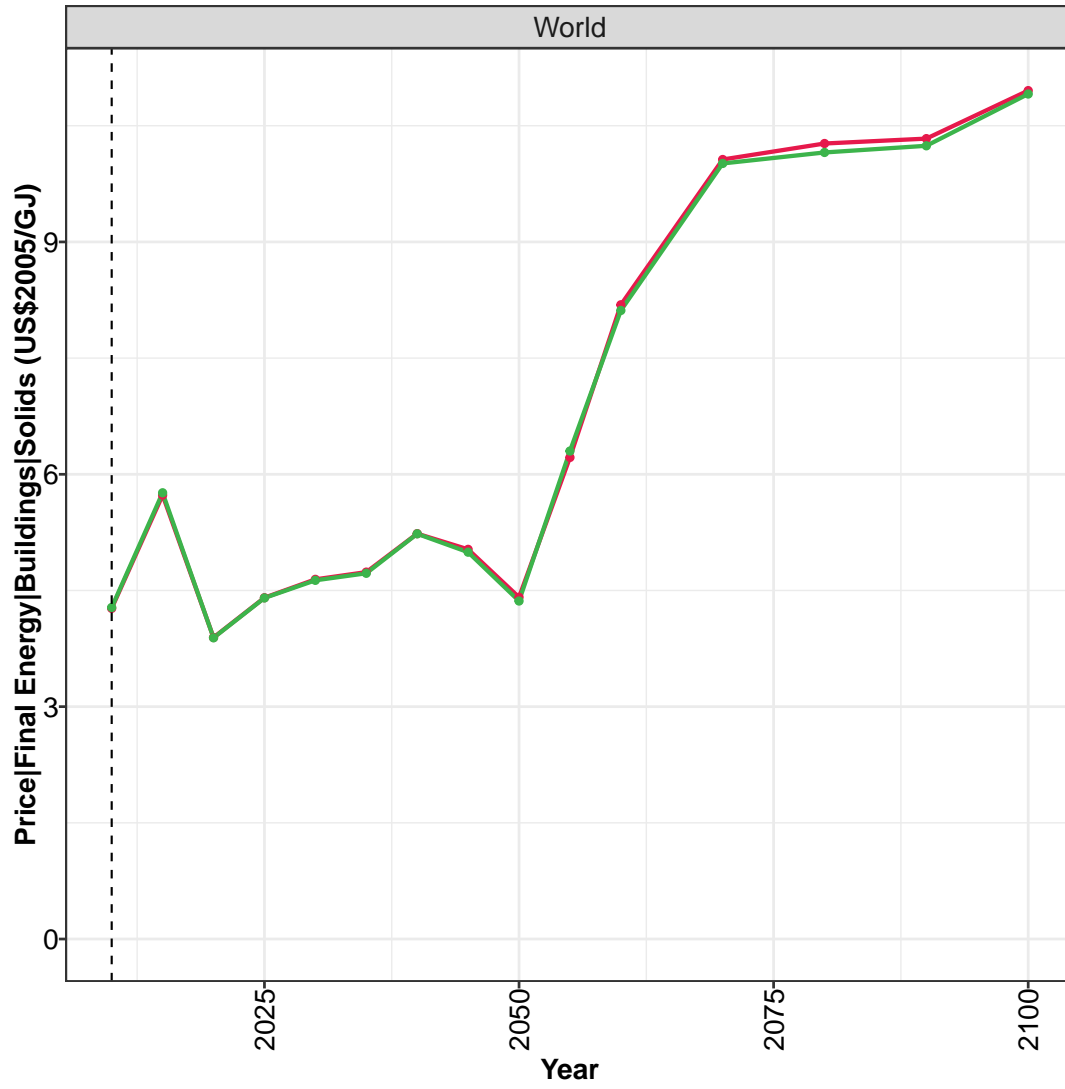


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

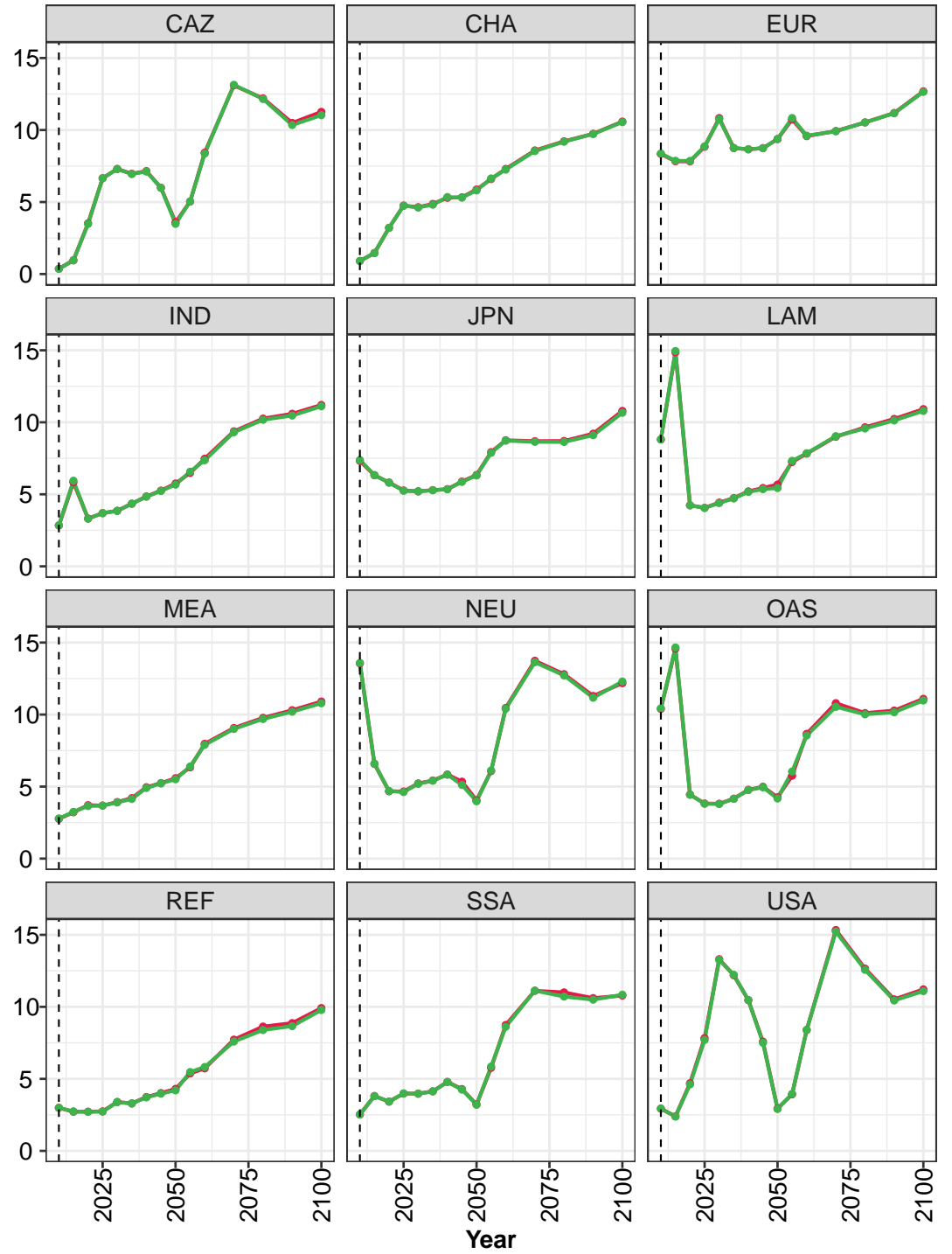


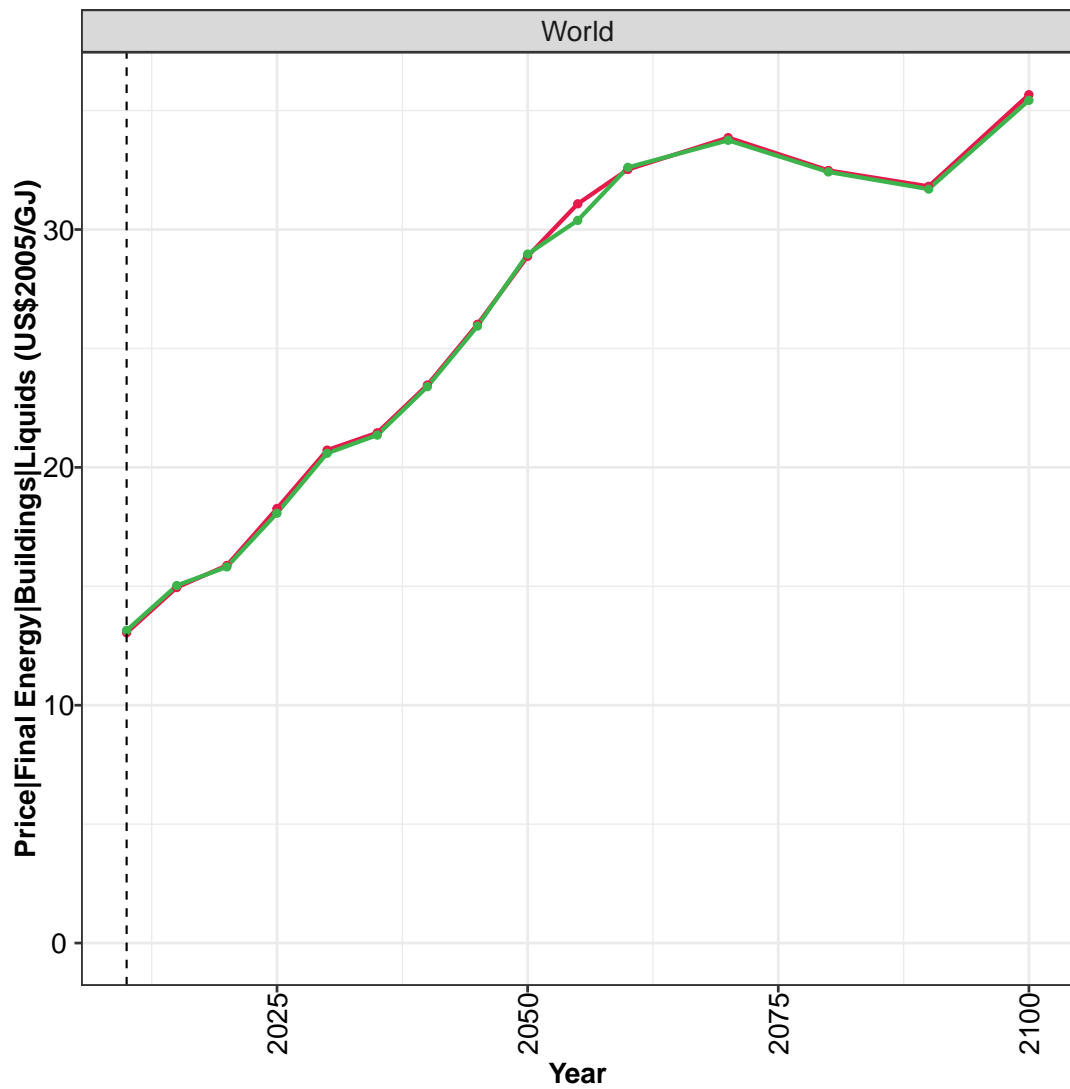
2.11.3 FE|Buildings Prices



Model: REMIND

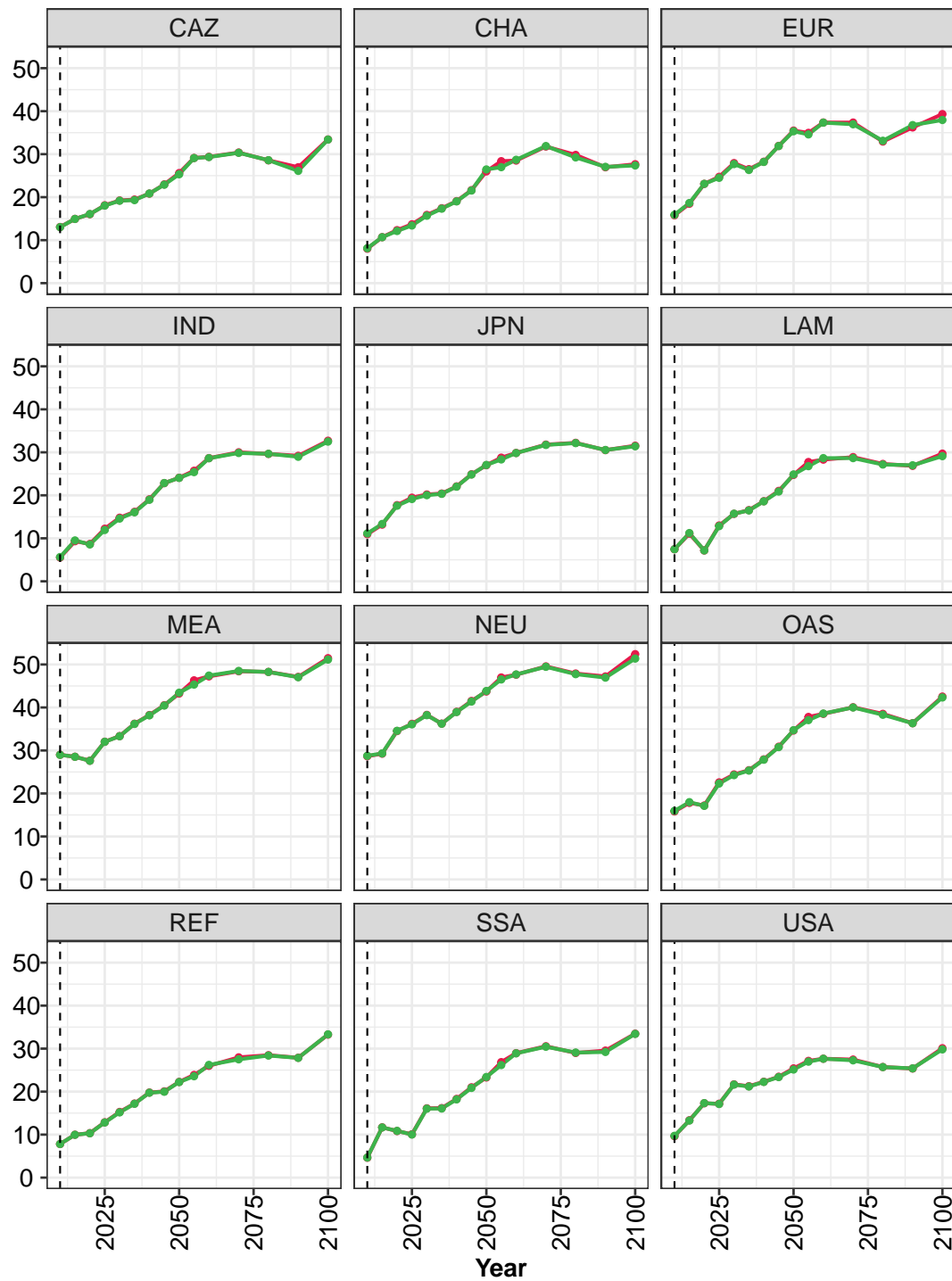
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- SSP2EU-NPi-calibrate-ETPfix

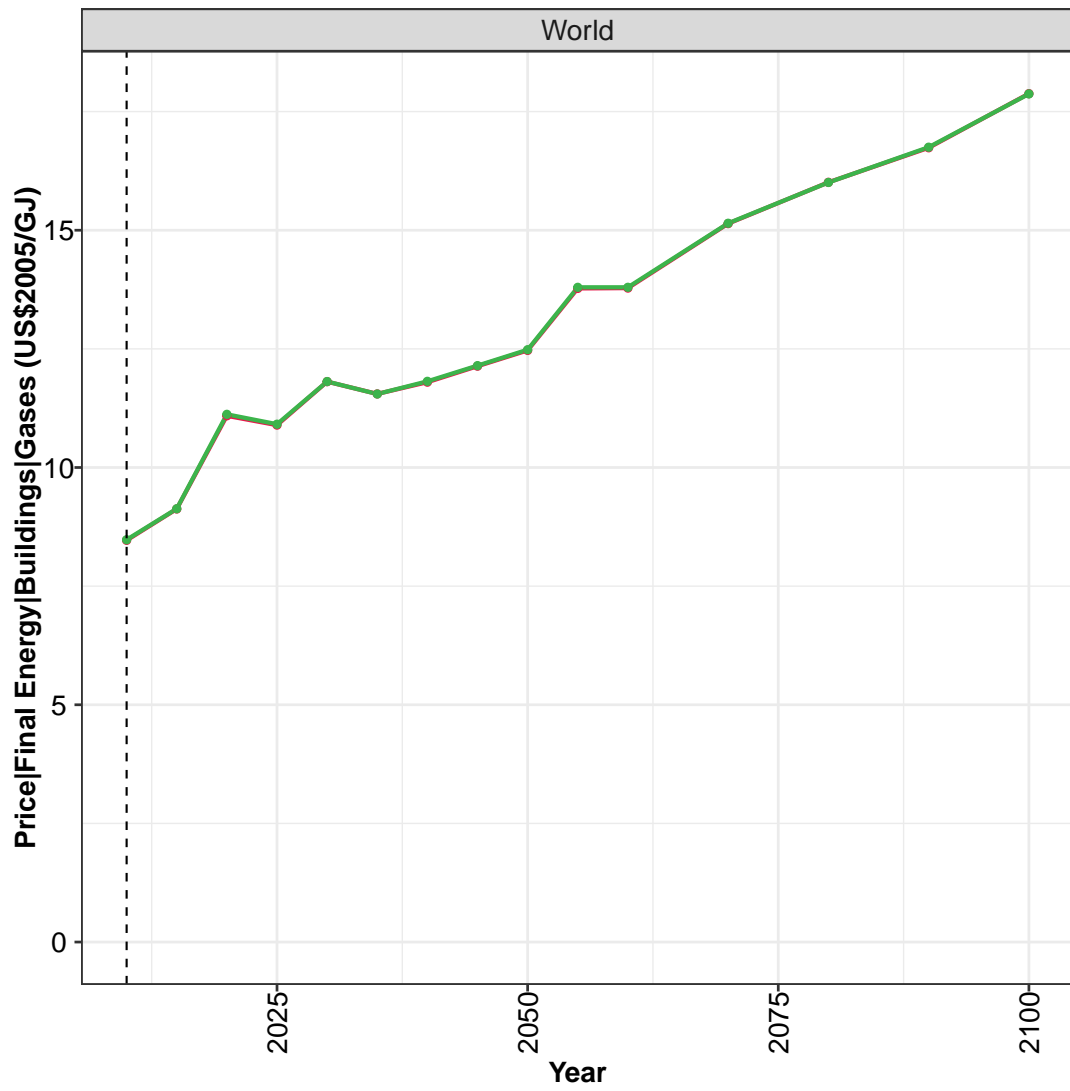




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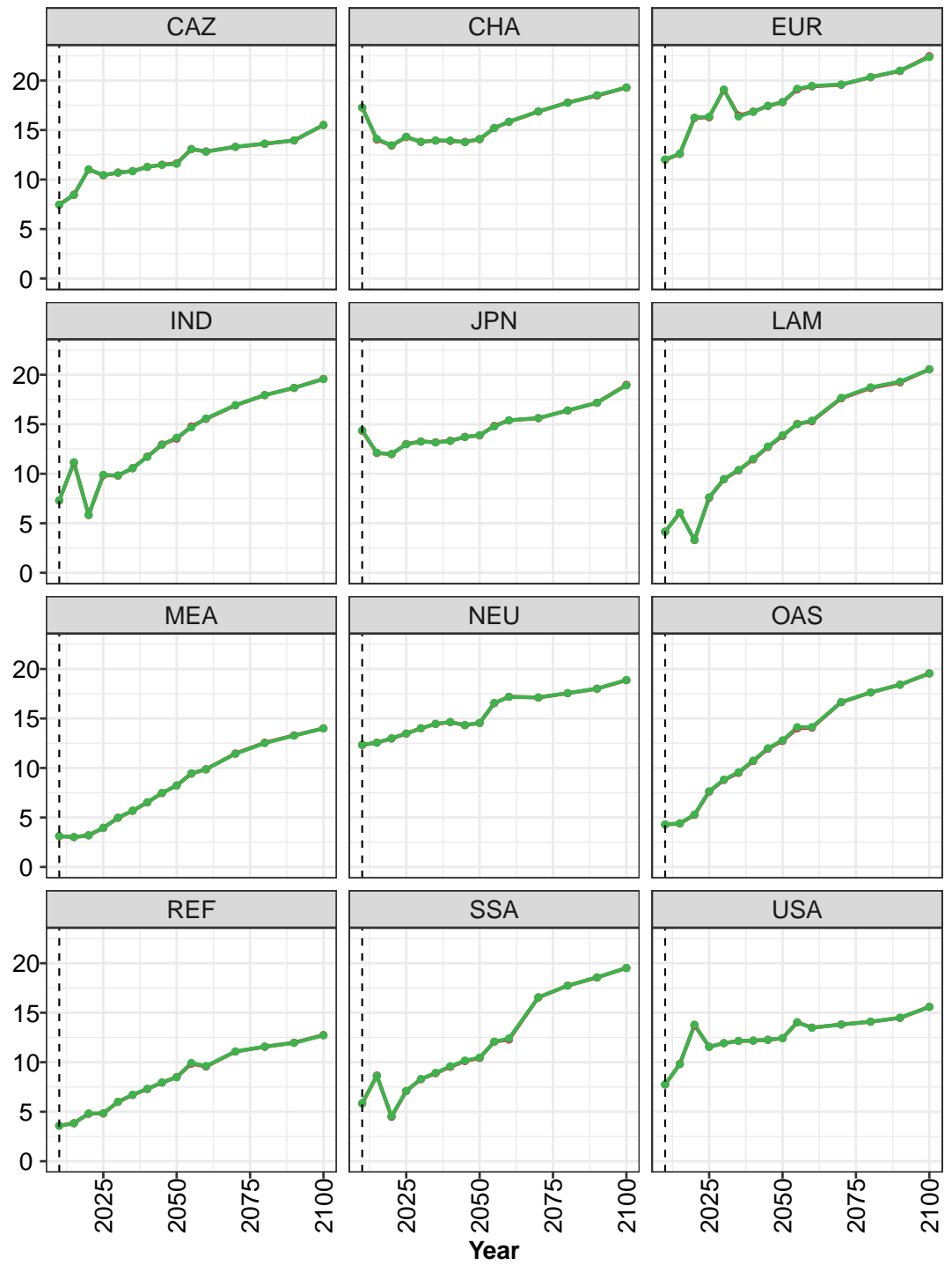
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

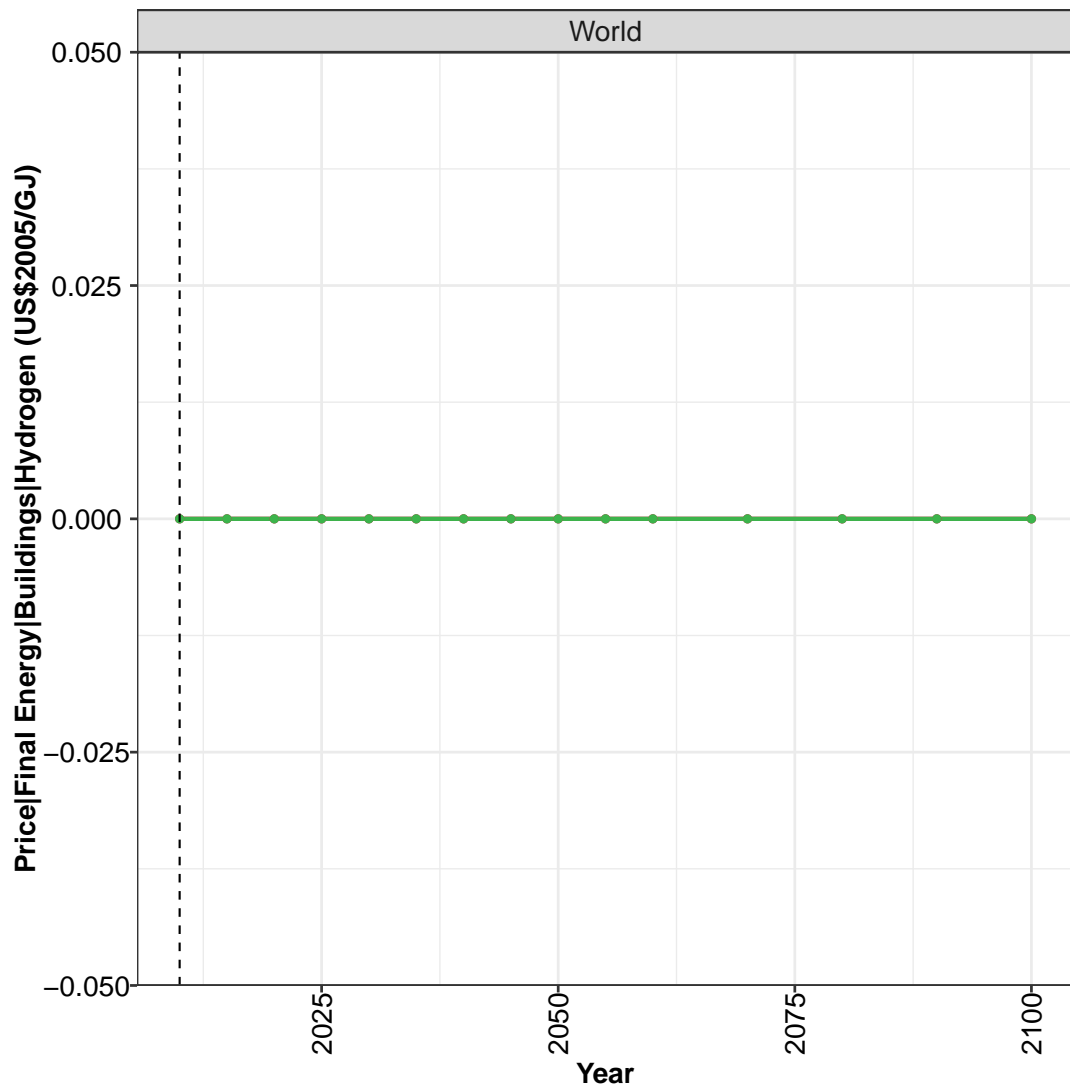




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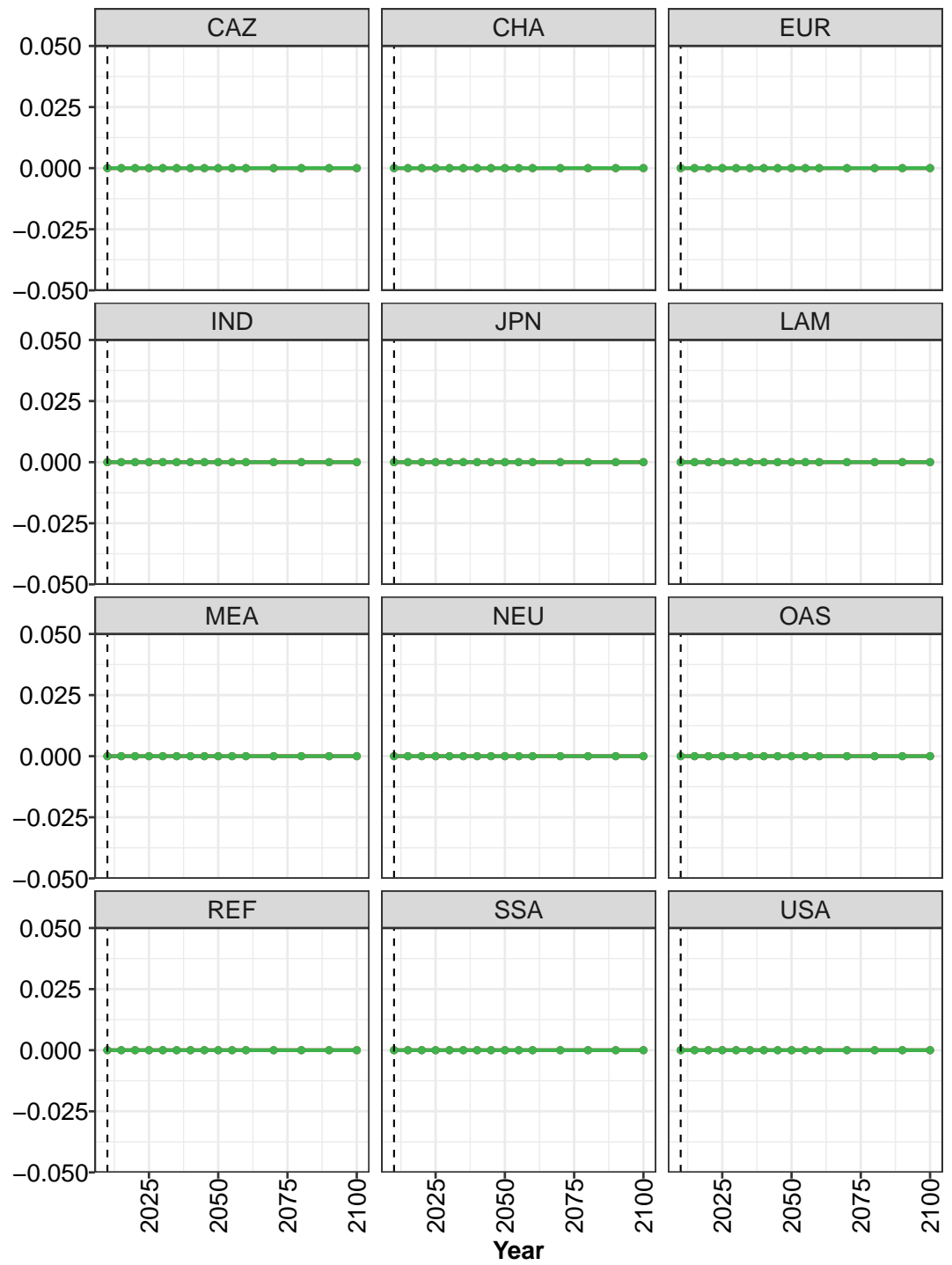
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- SSP2EU-NPi-calibrate-ETPfix

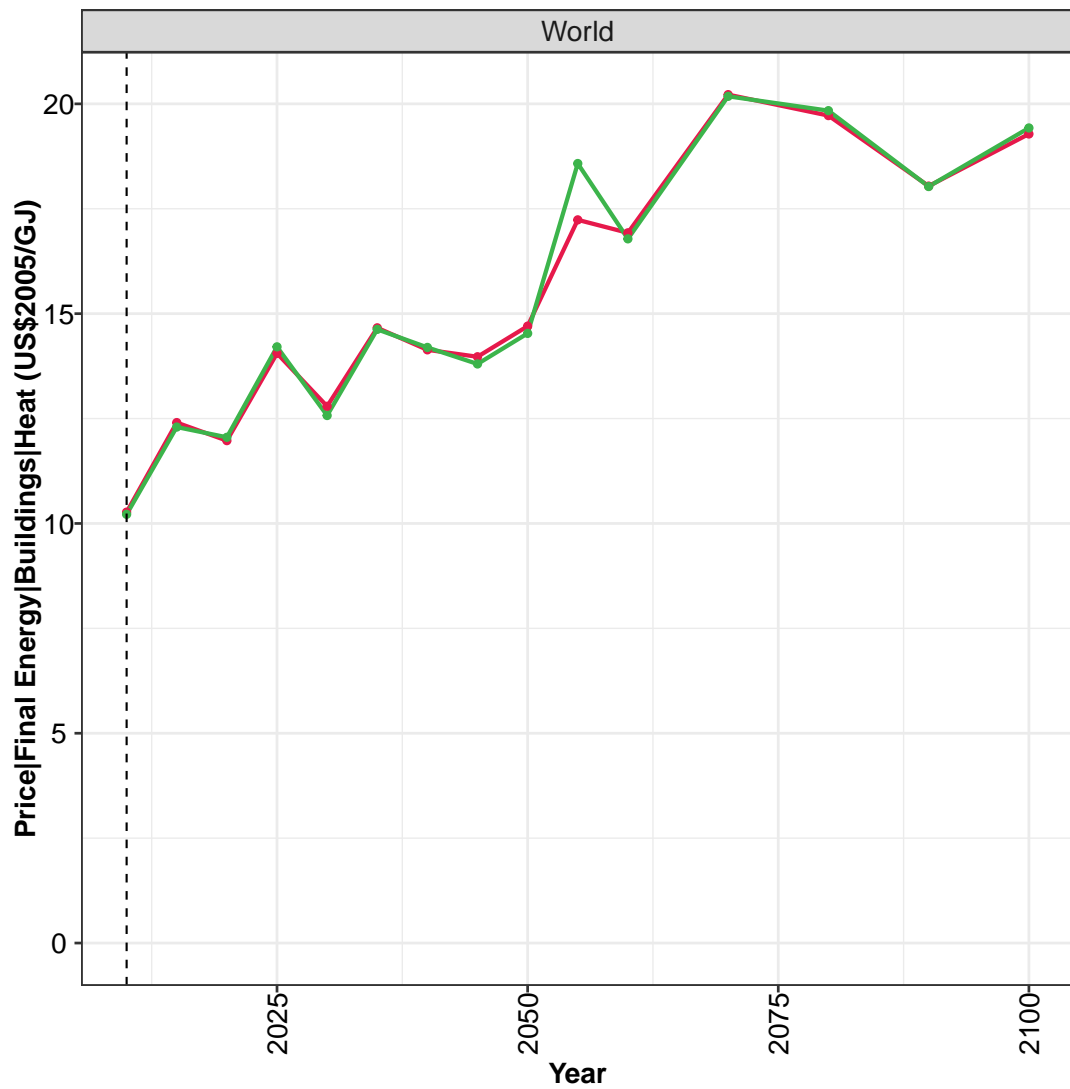




Model: REMIND

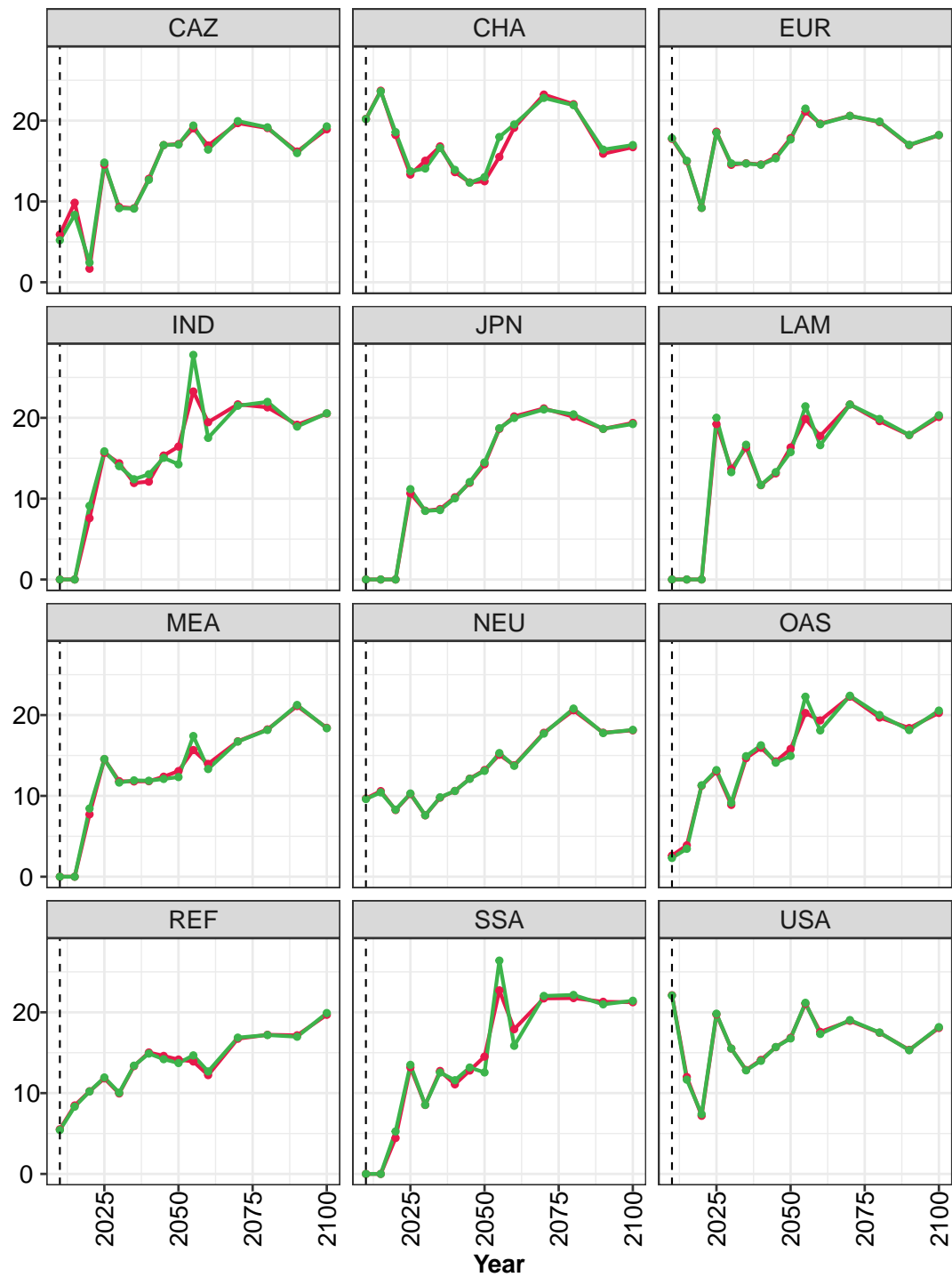
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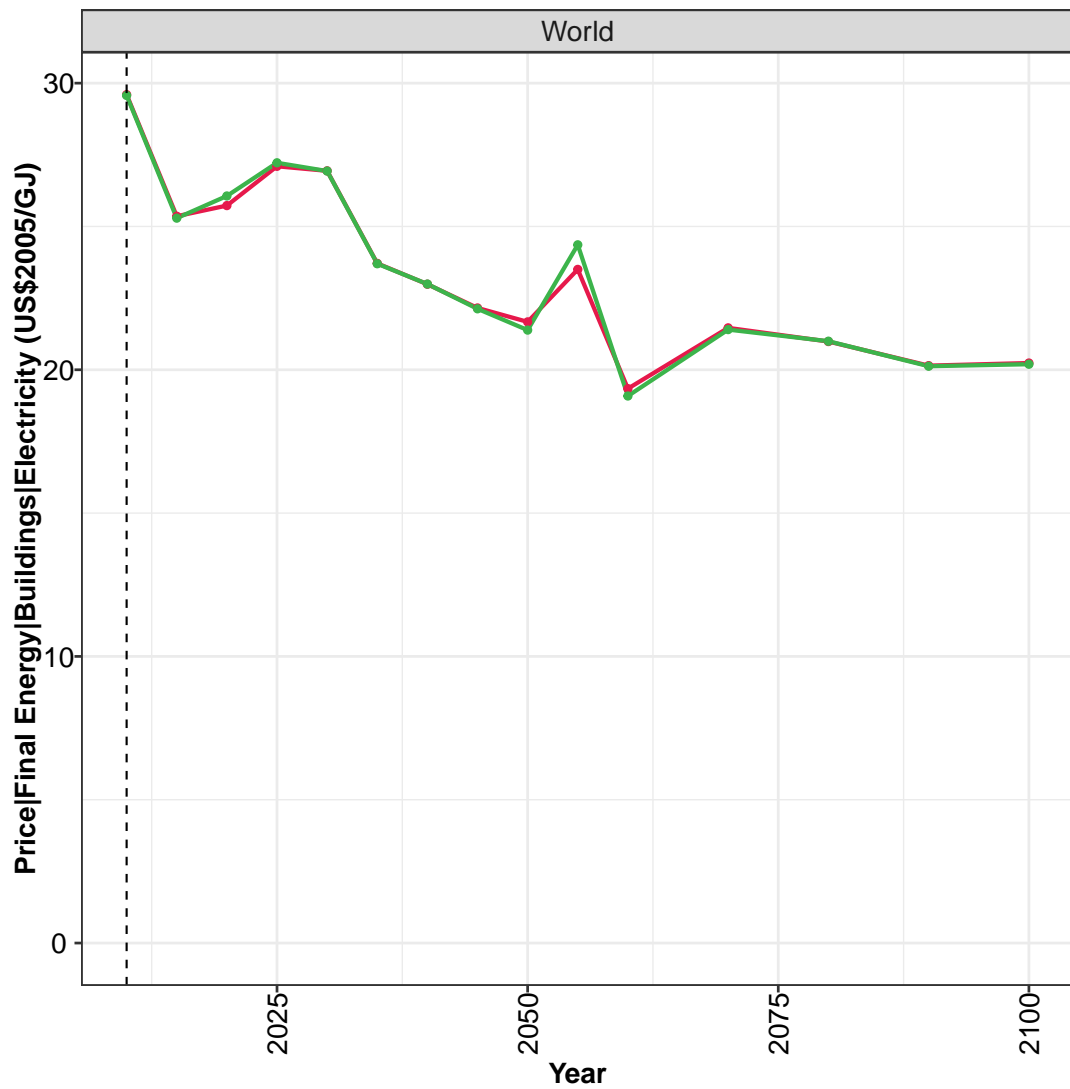




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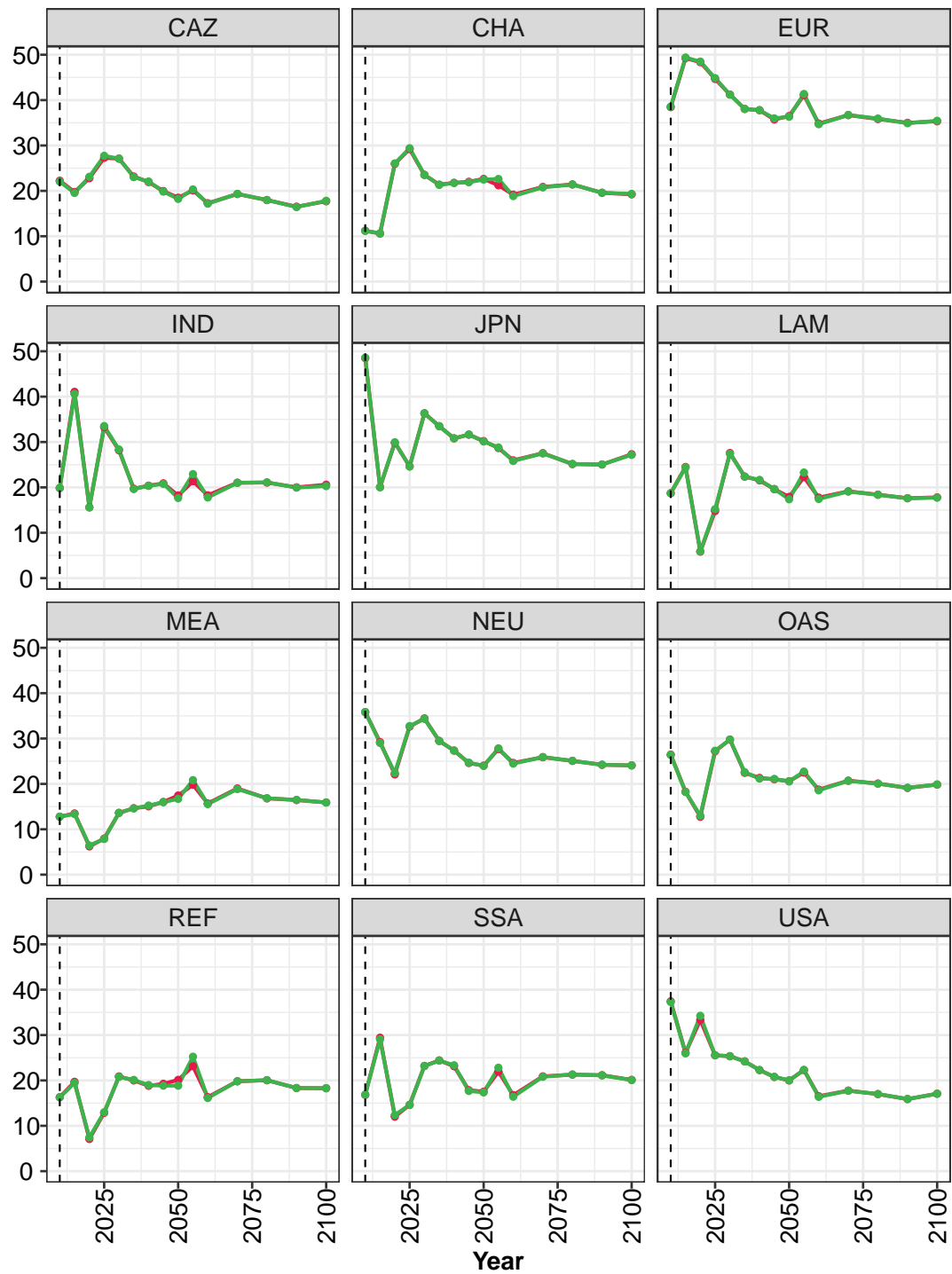
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- SSP2EU-NPi-calibrate-ETPfix

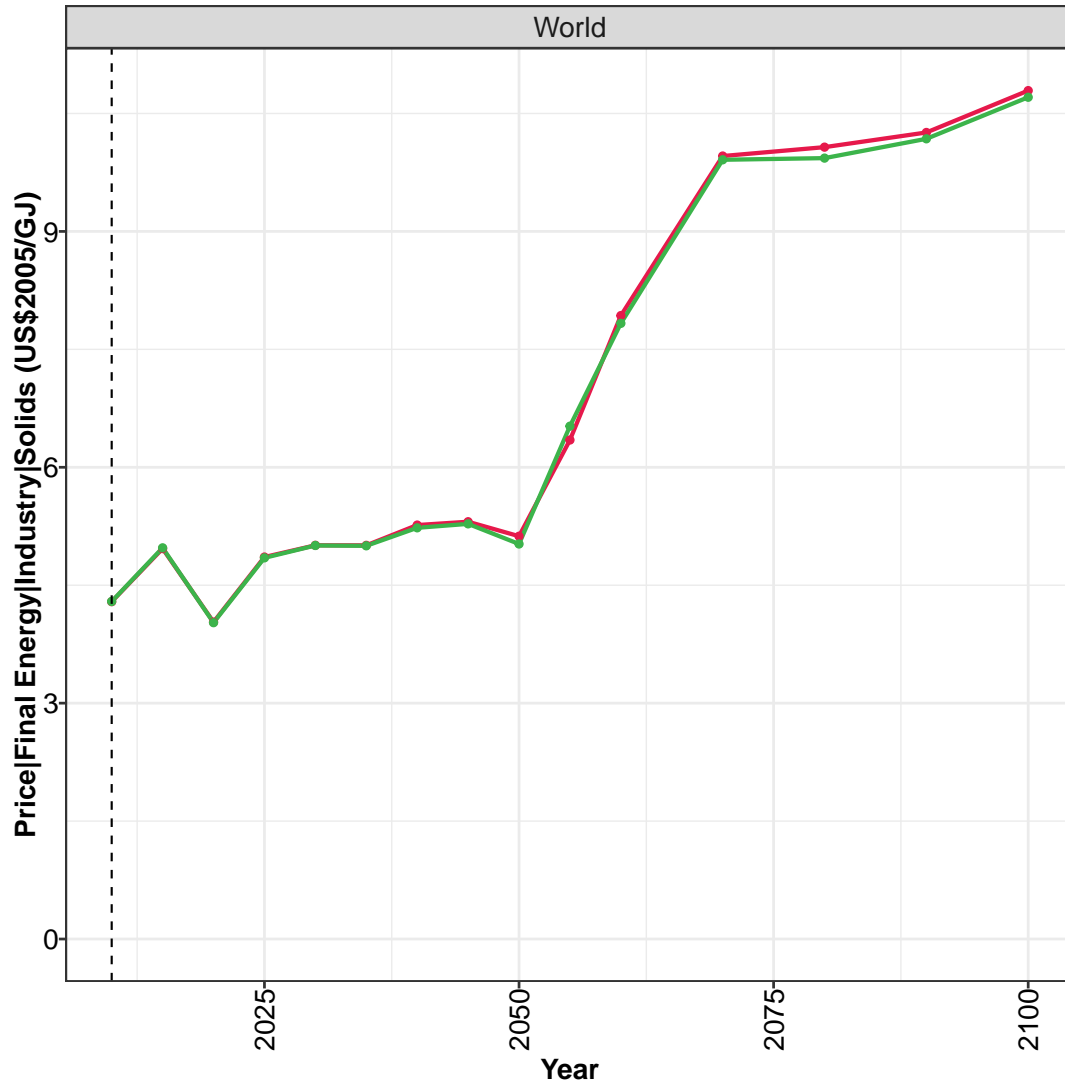




Model: REMIND

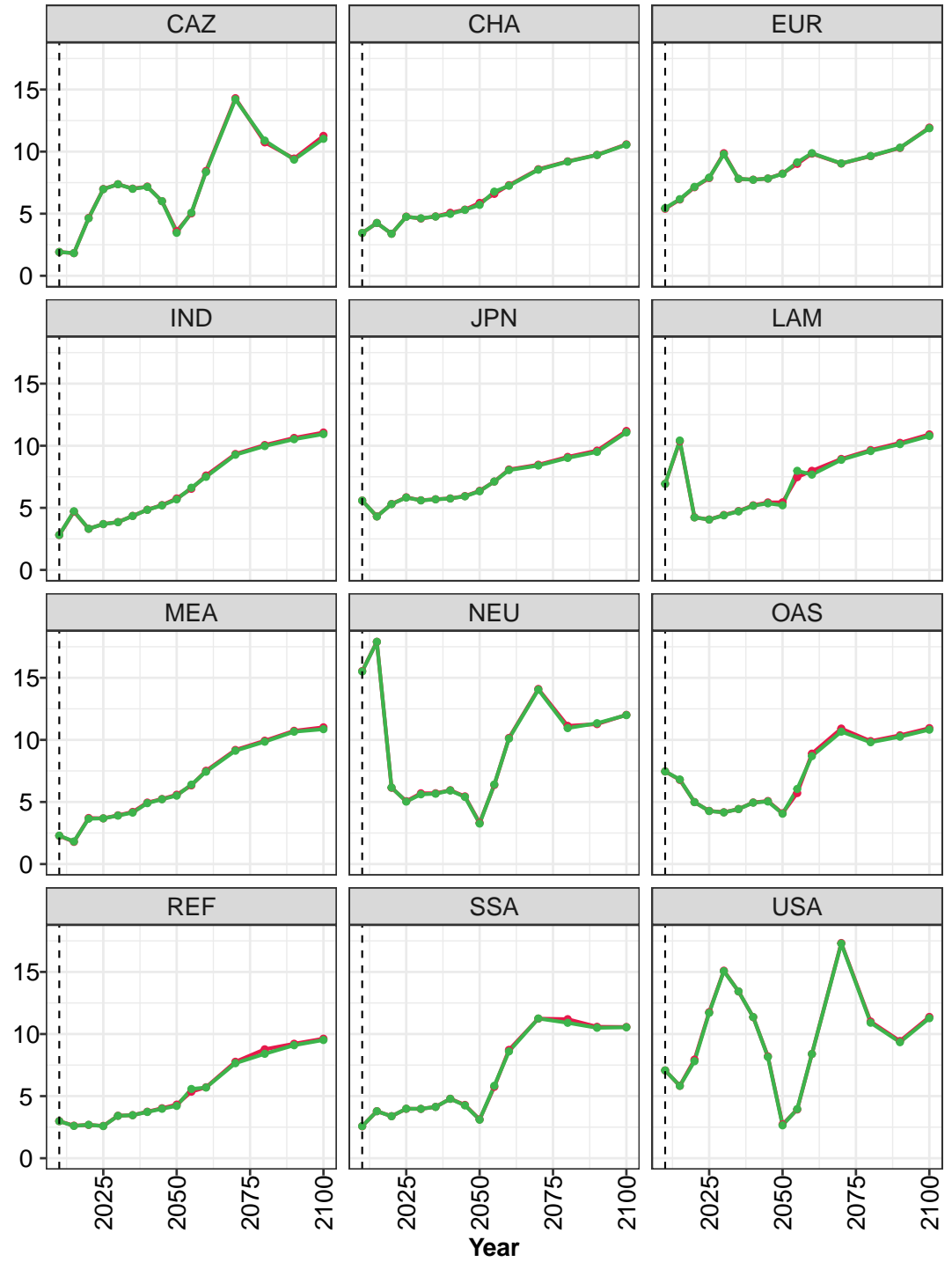
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- SSP2EU-NPi-calibrate-ETPfix

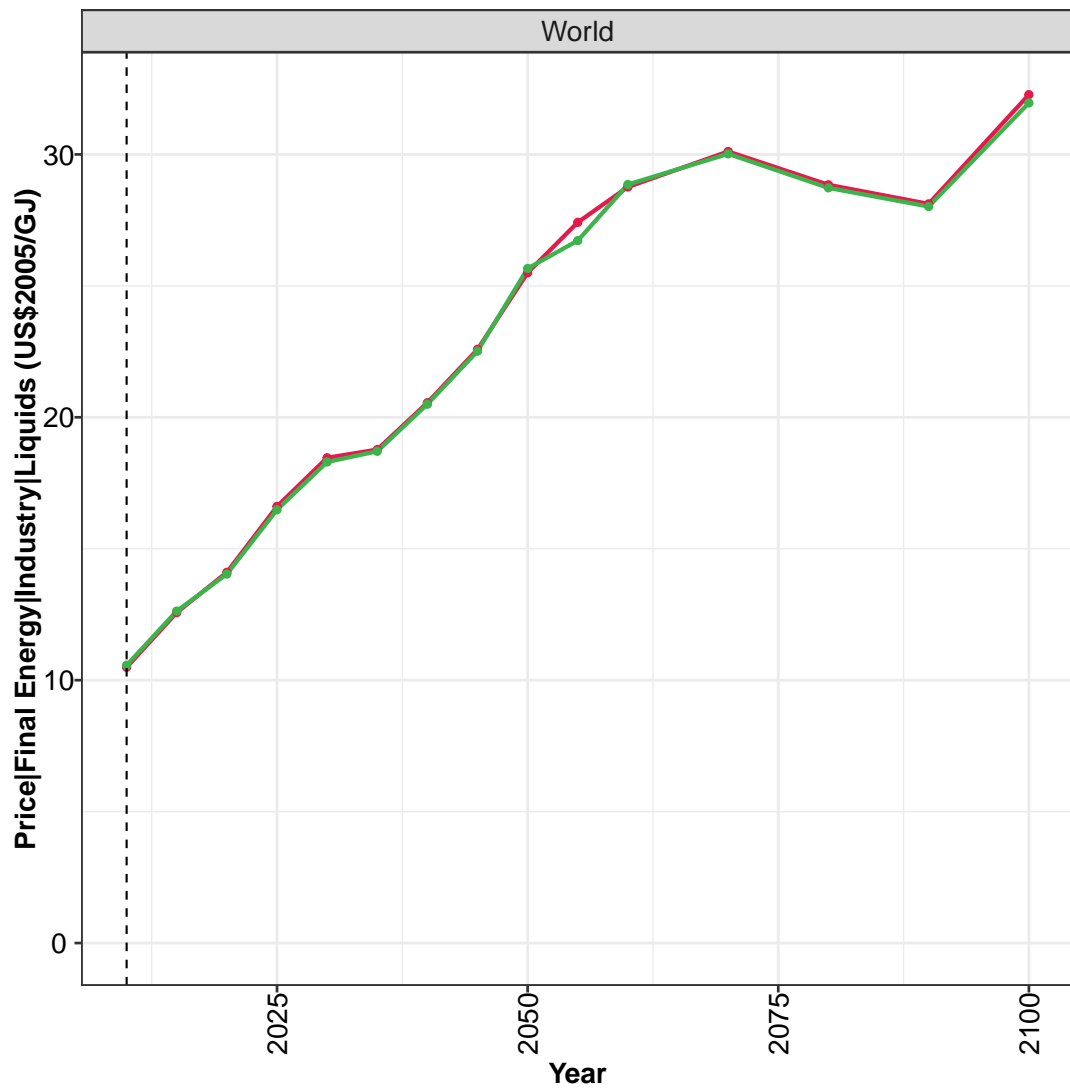




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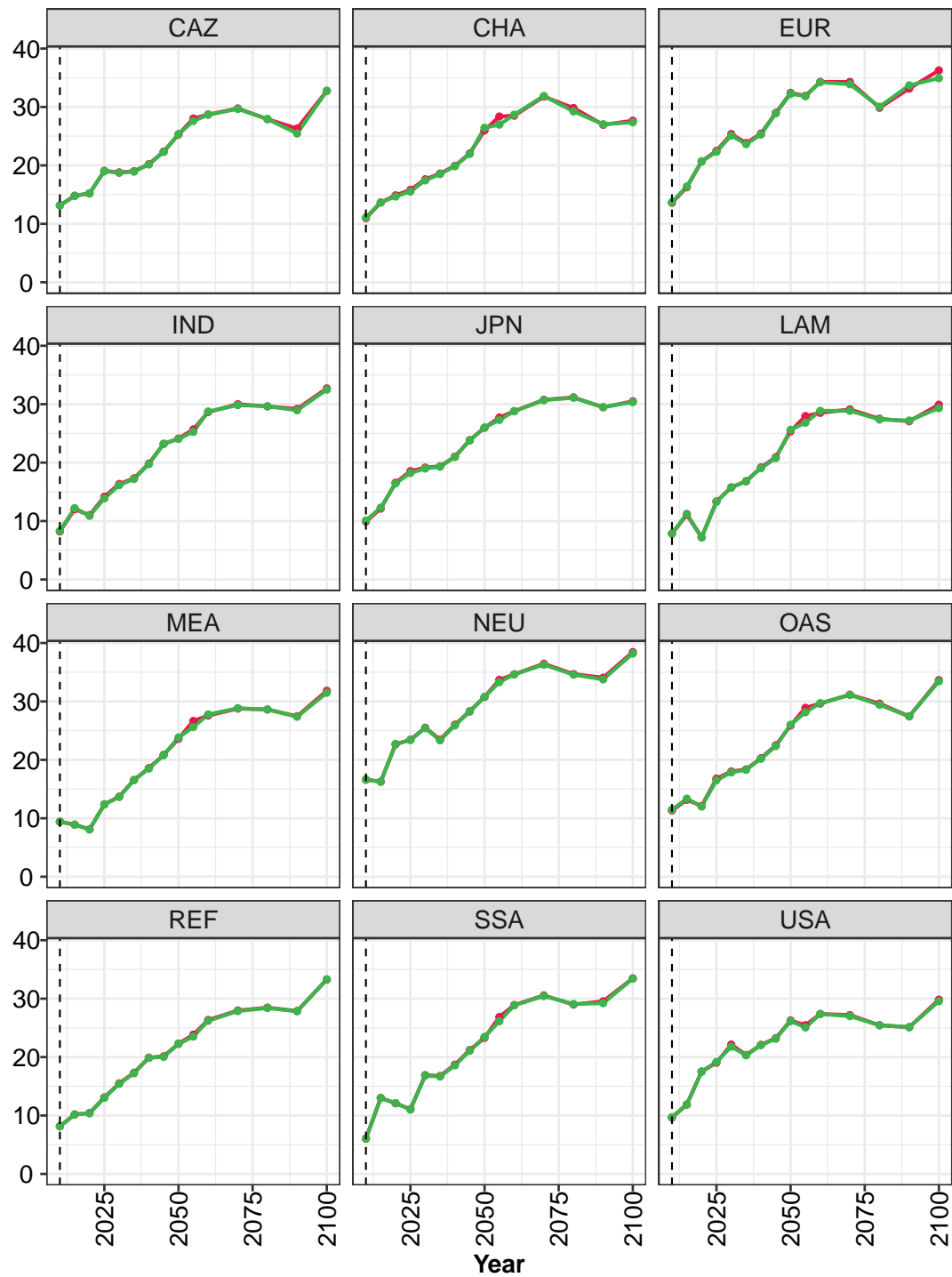
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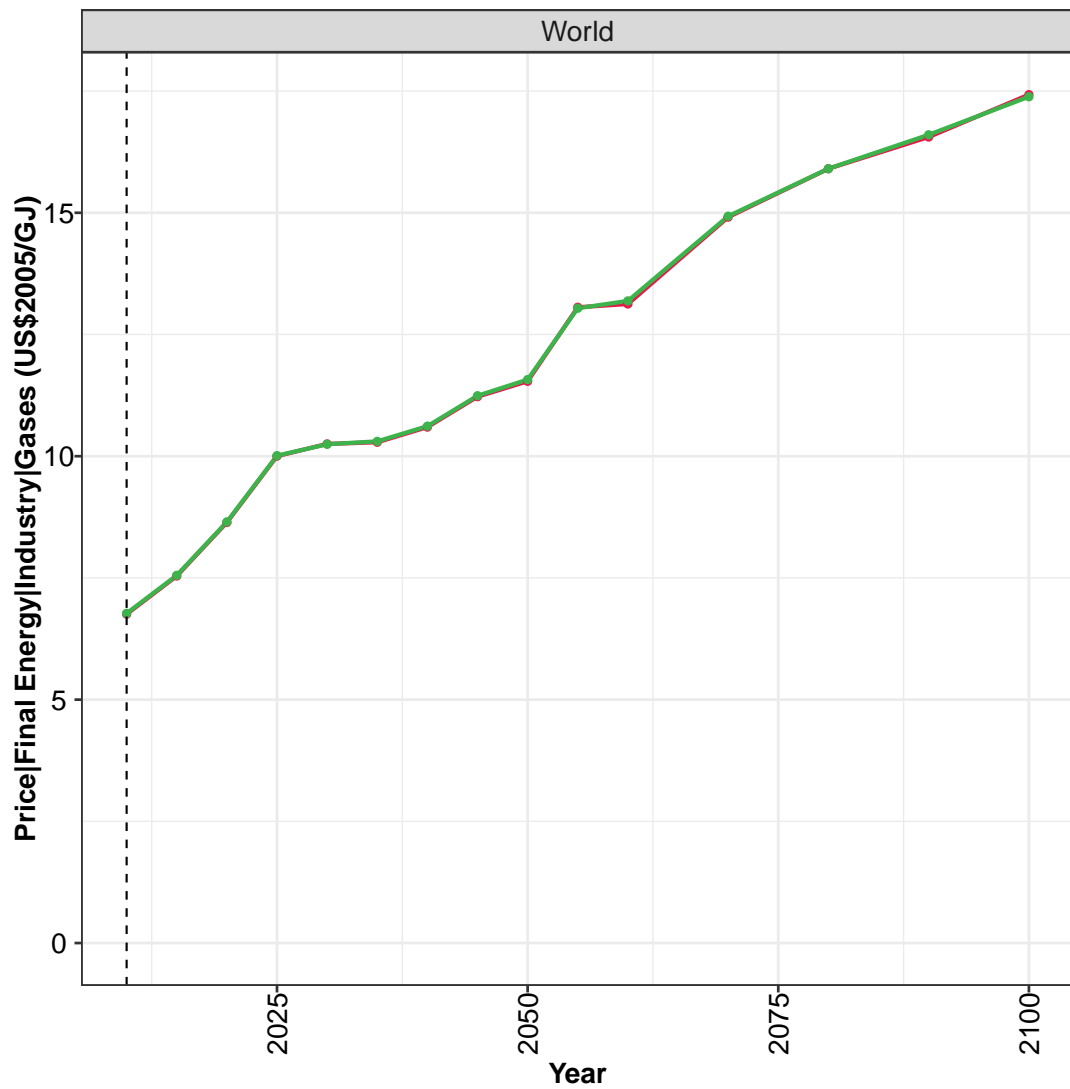




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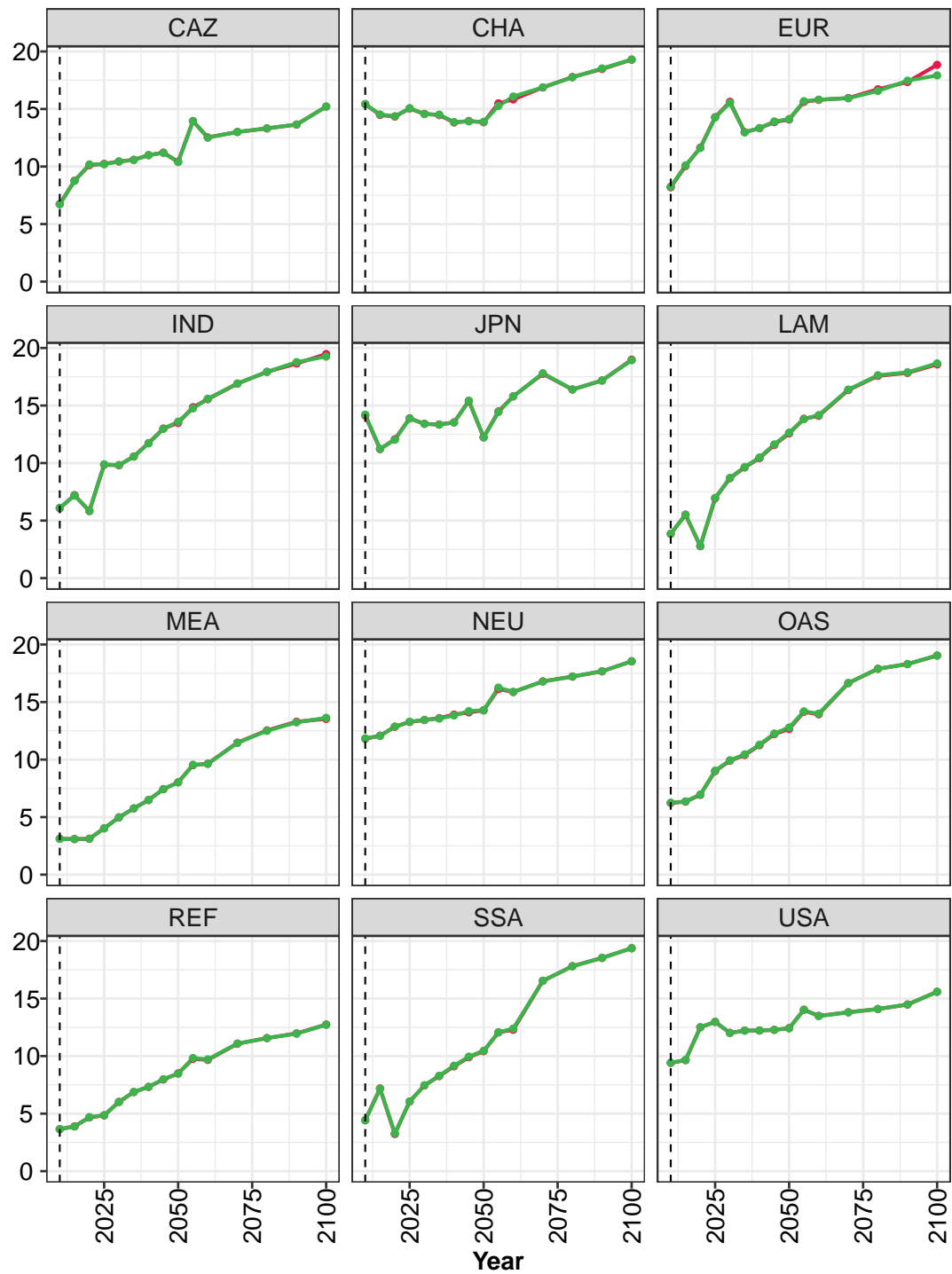
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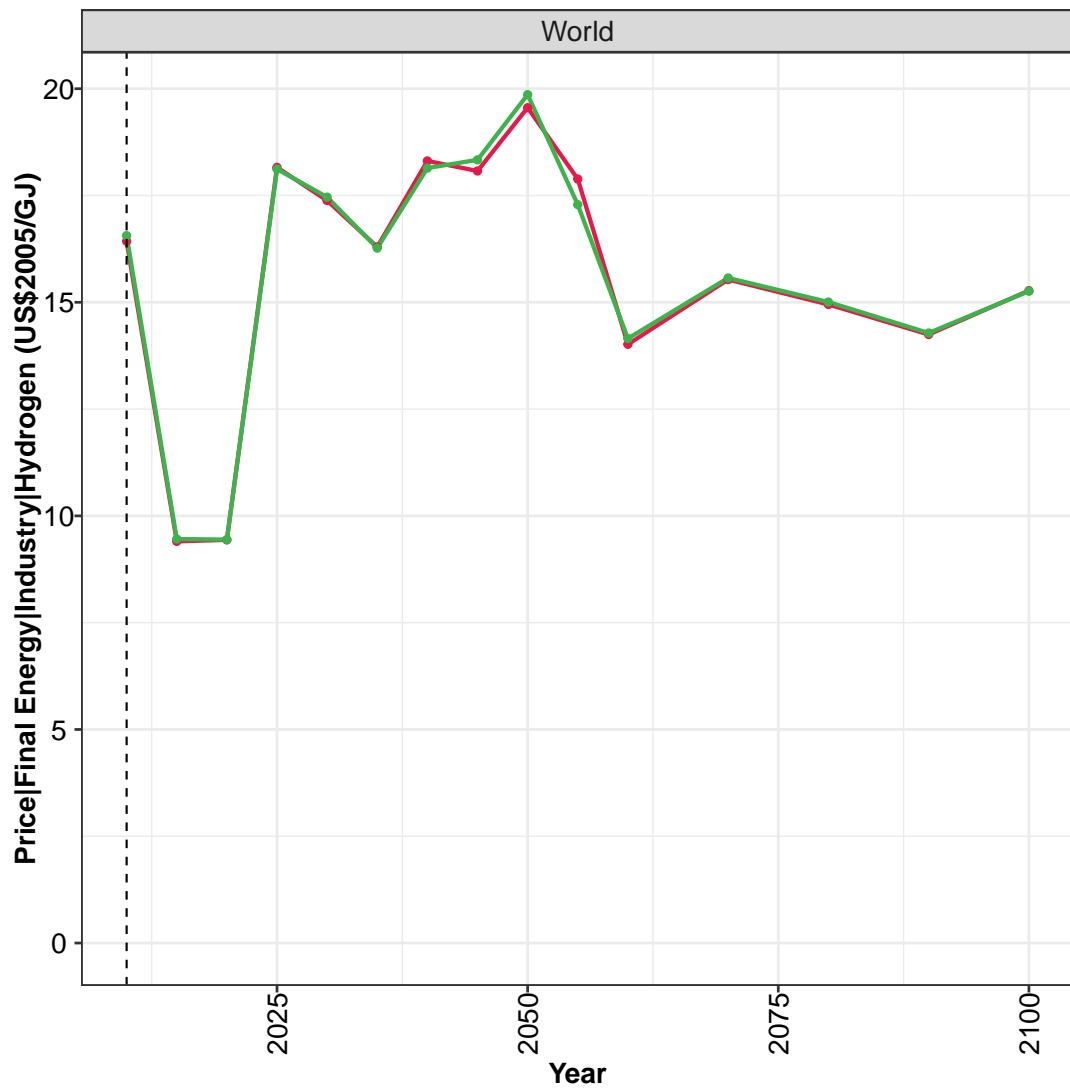




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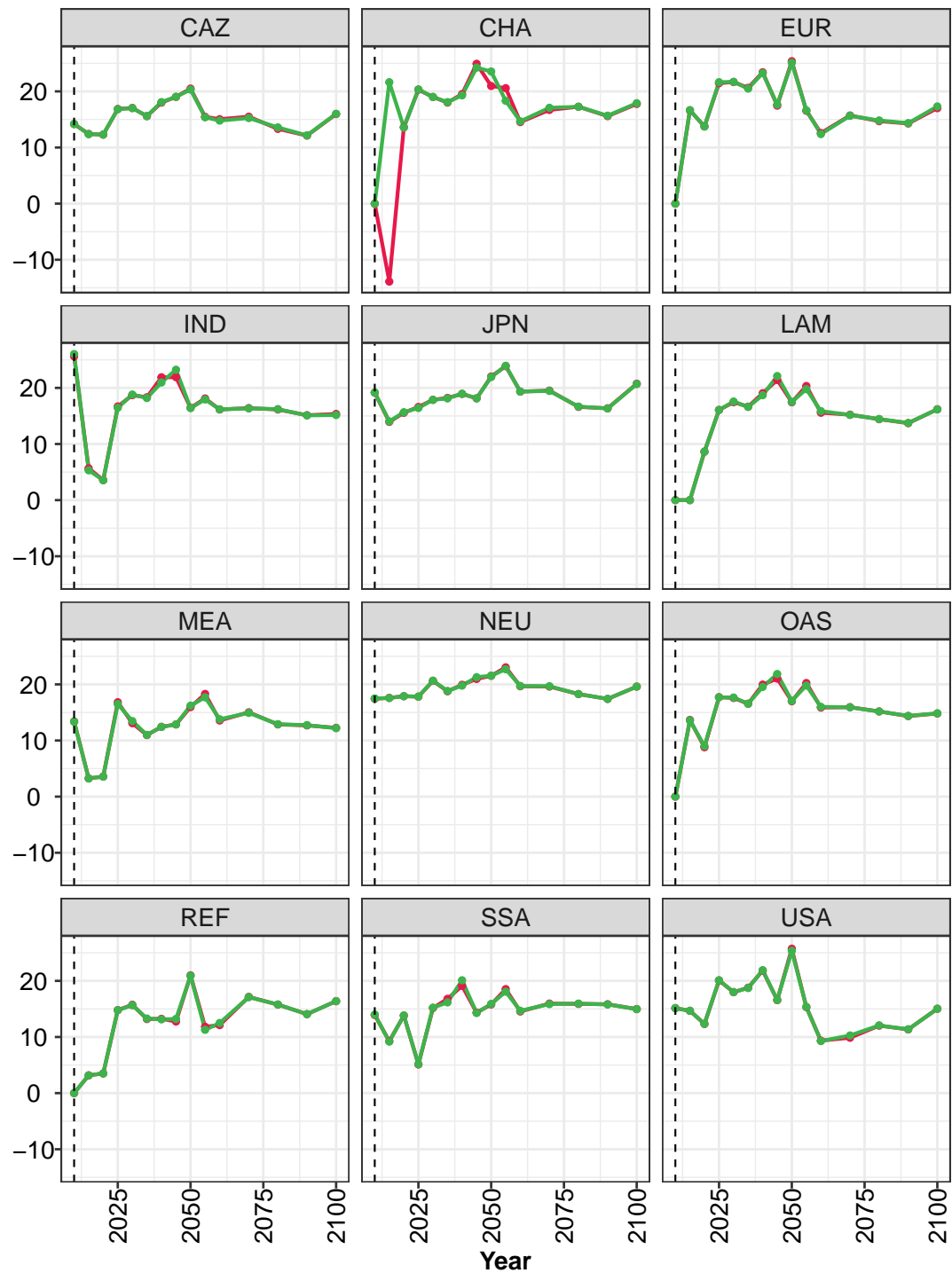
- SSP2EU-NPi-calibrate
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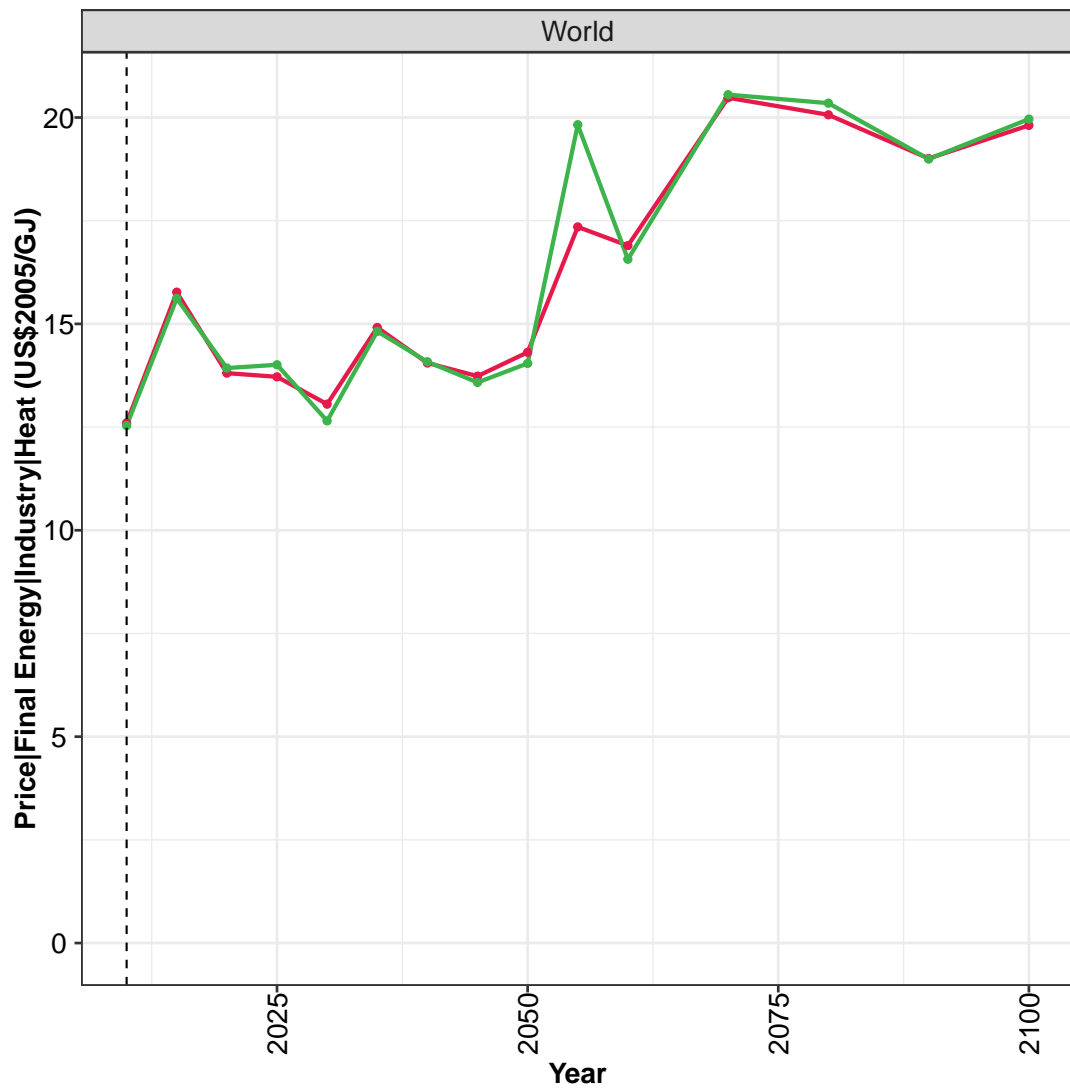




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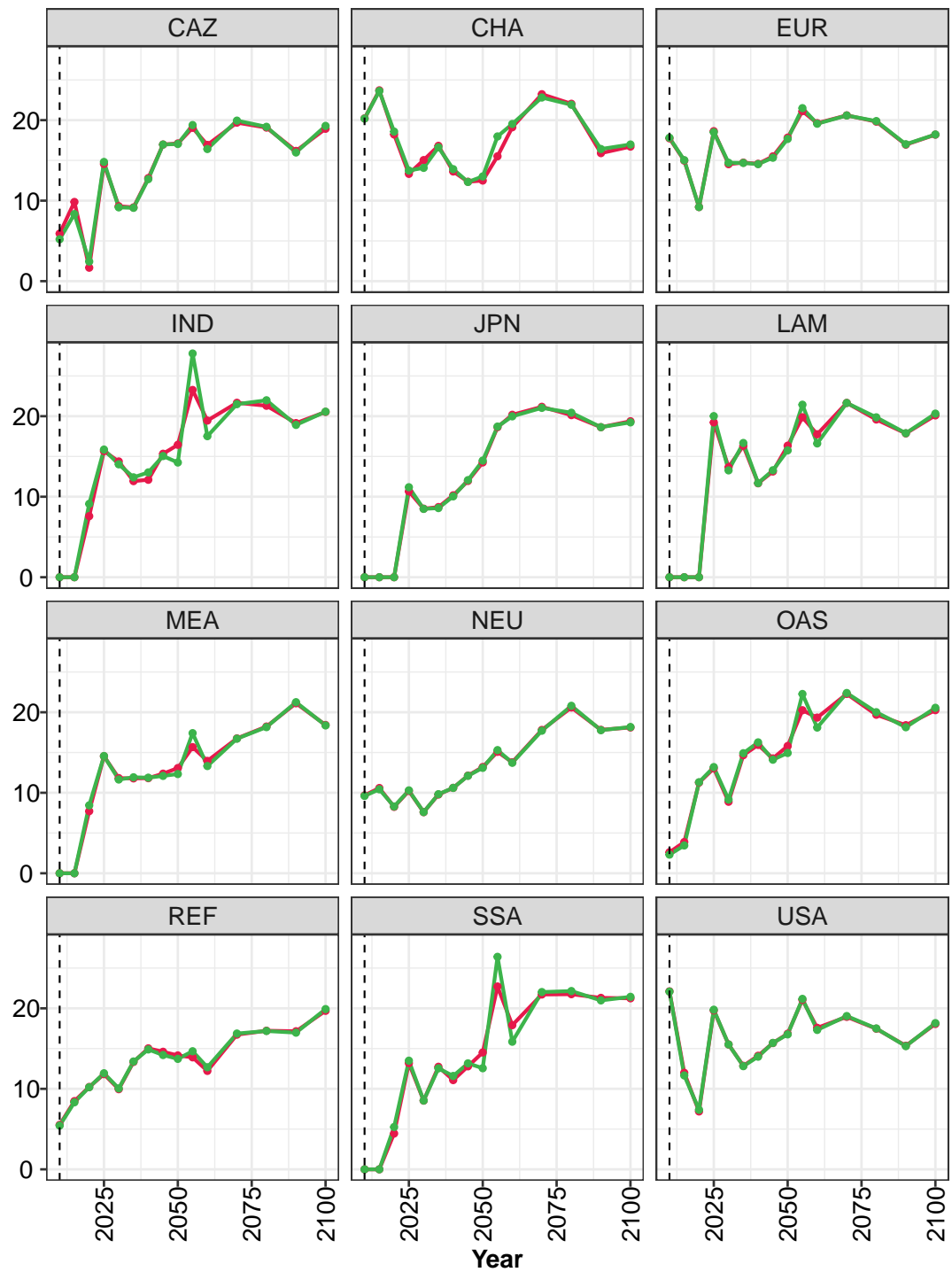
- SSP2EU-NPi-calibrate
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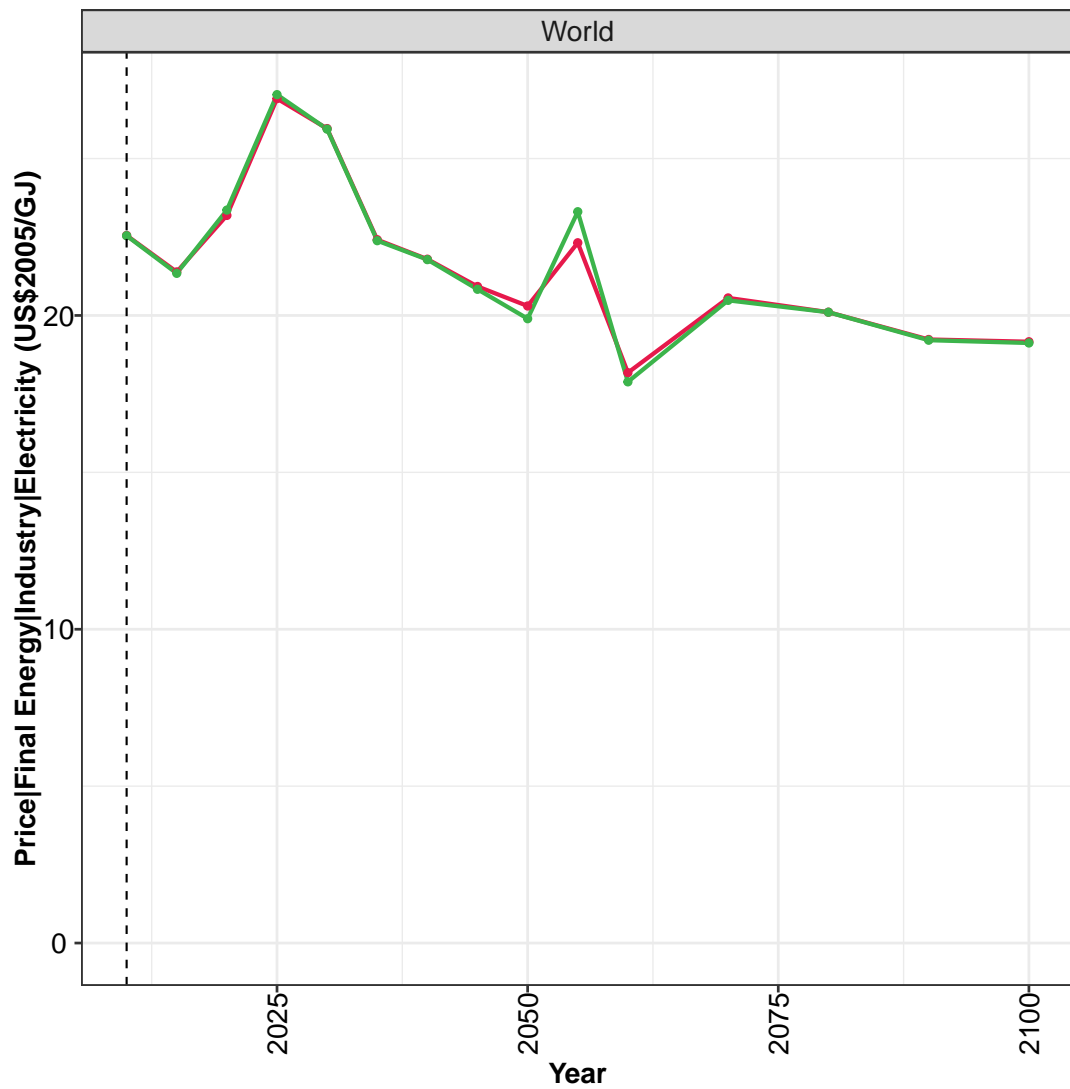




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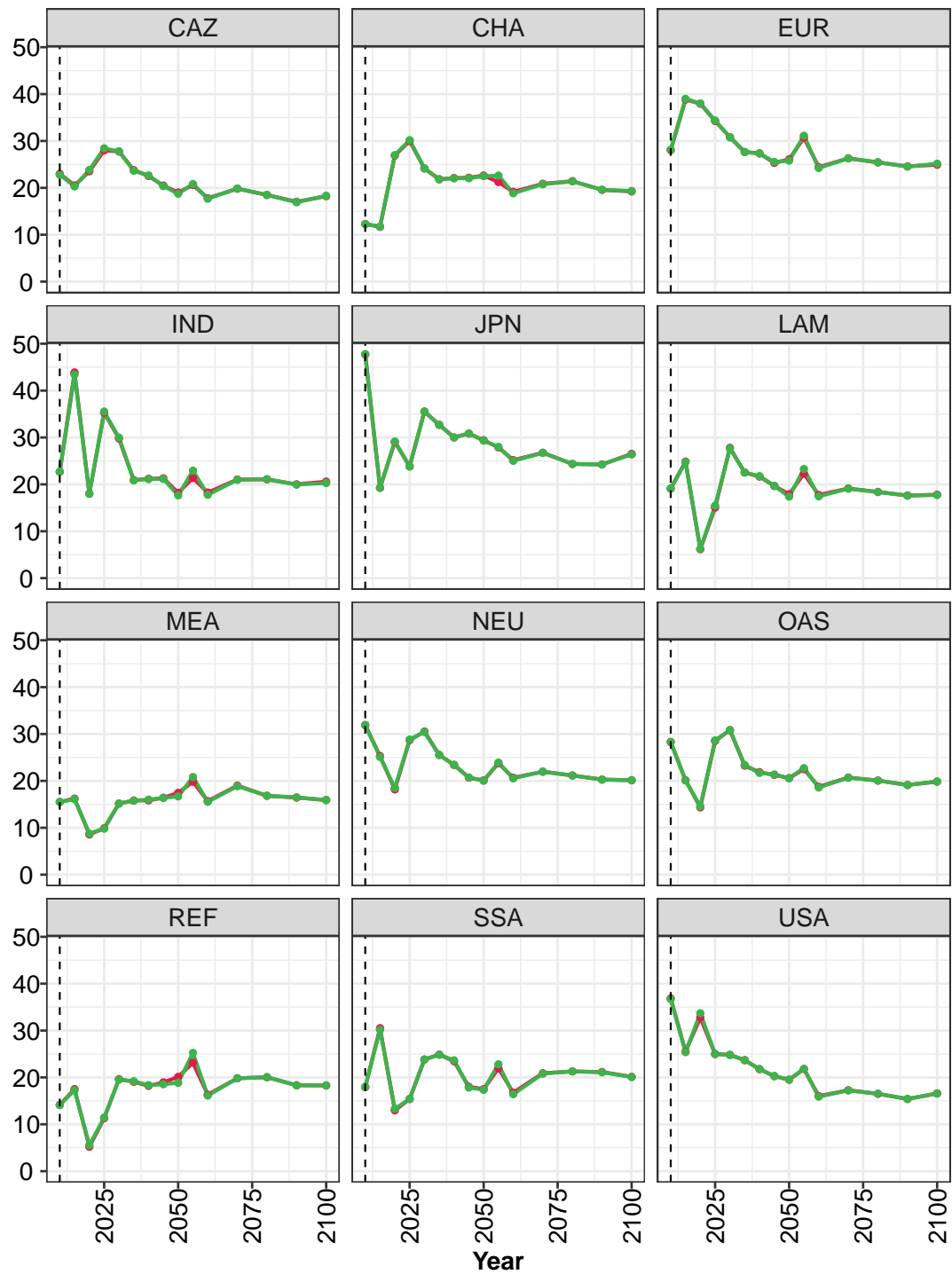
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- SSP2EU-NPi-calibrate-ETPfix





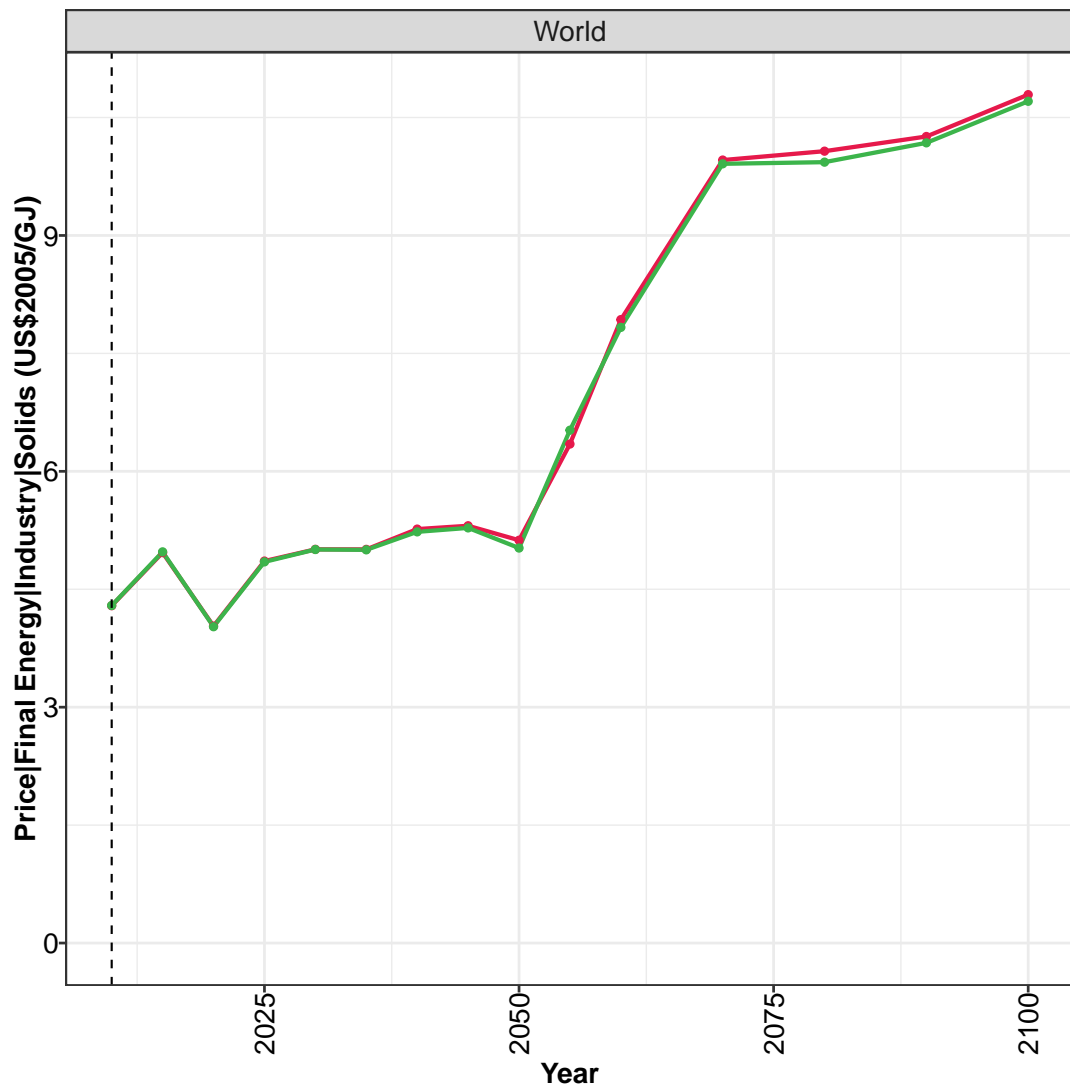
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- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



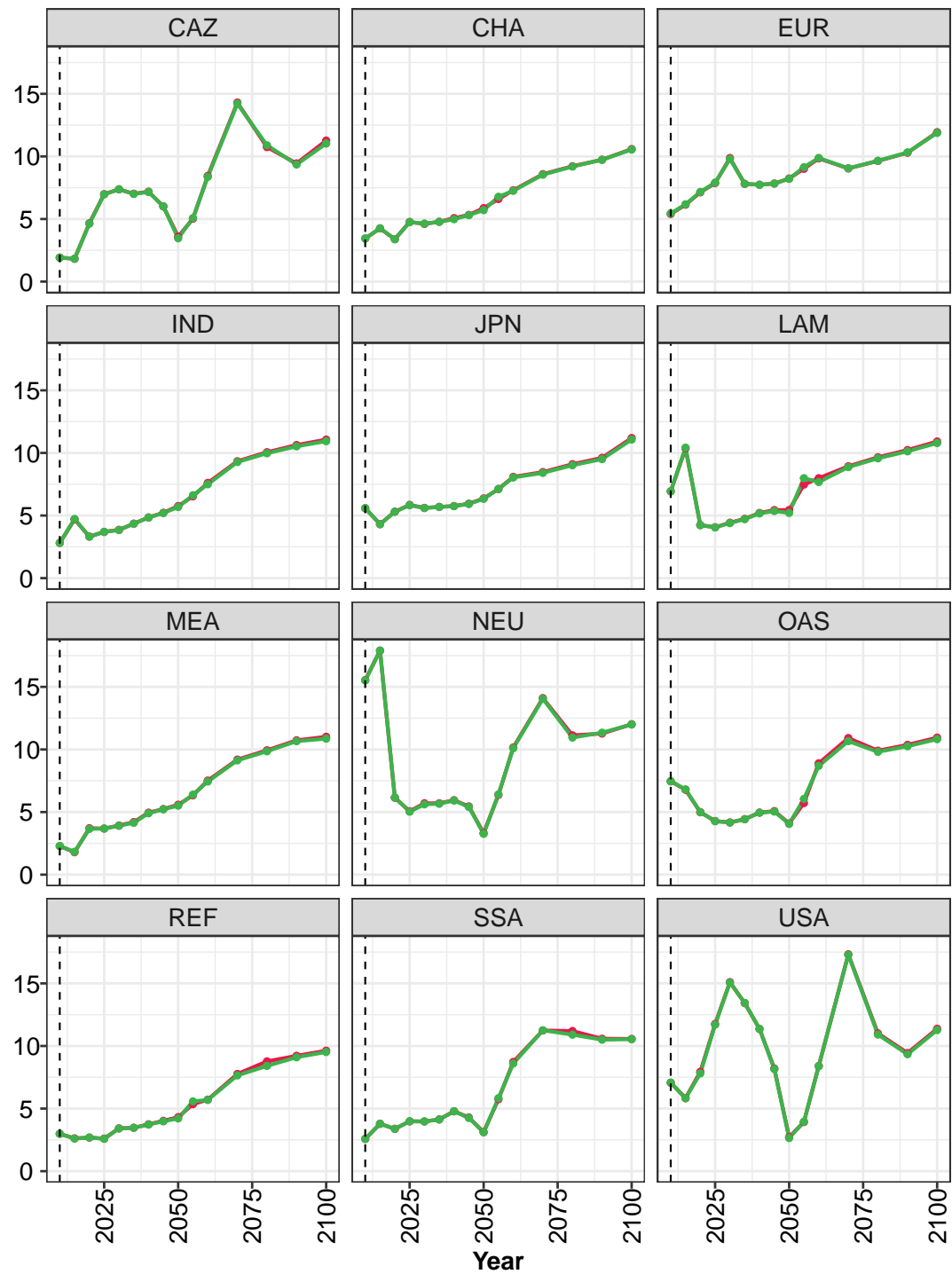
2.11.5 FE|Transport Prices

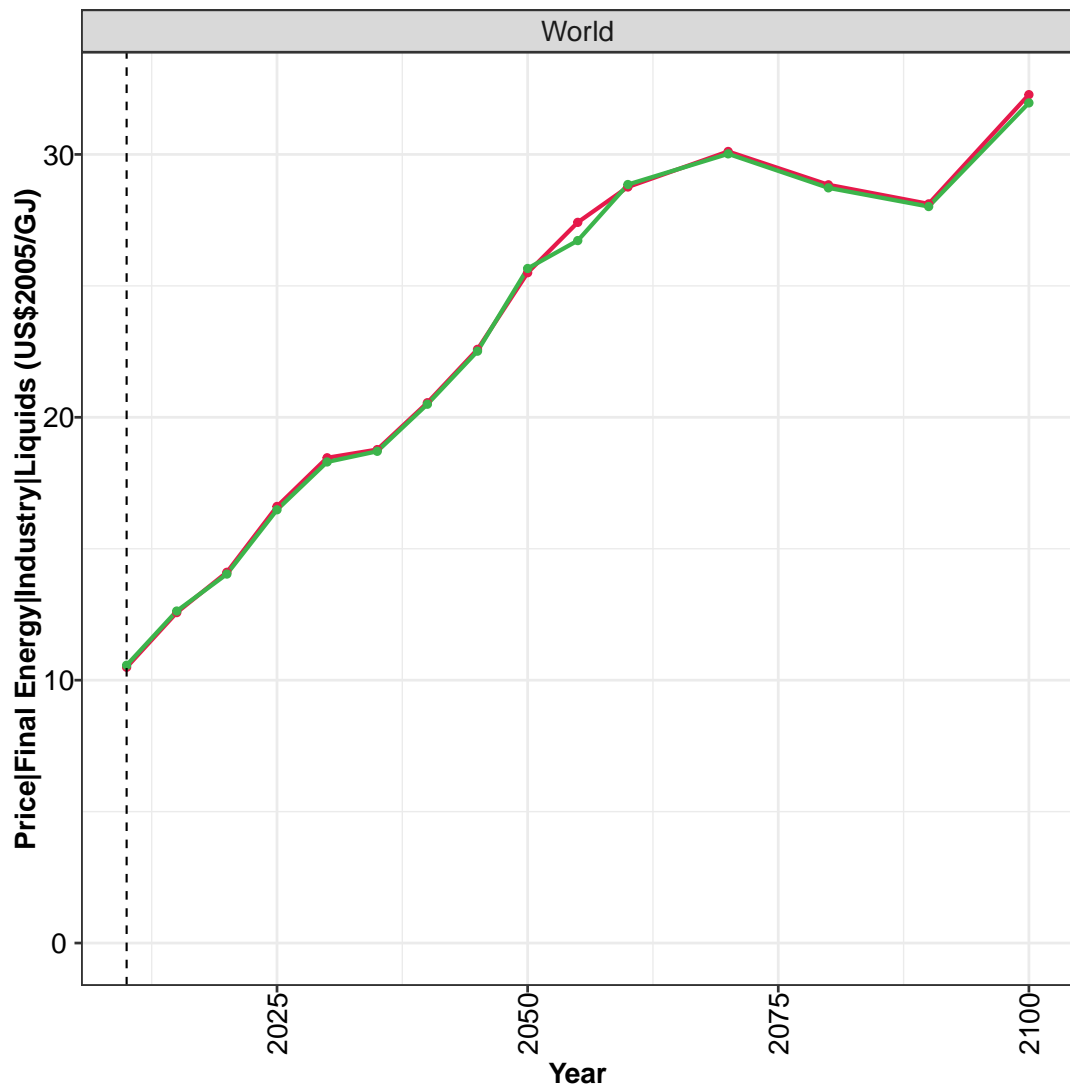
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## Error in carrierslevels(dPrice$variable): could not find function "carrierslevels"
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Model: REMIND

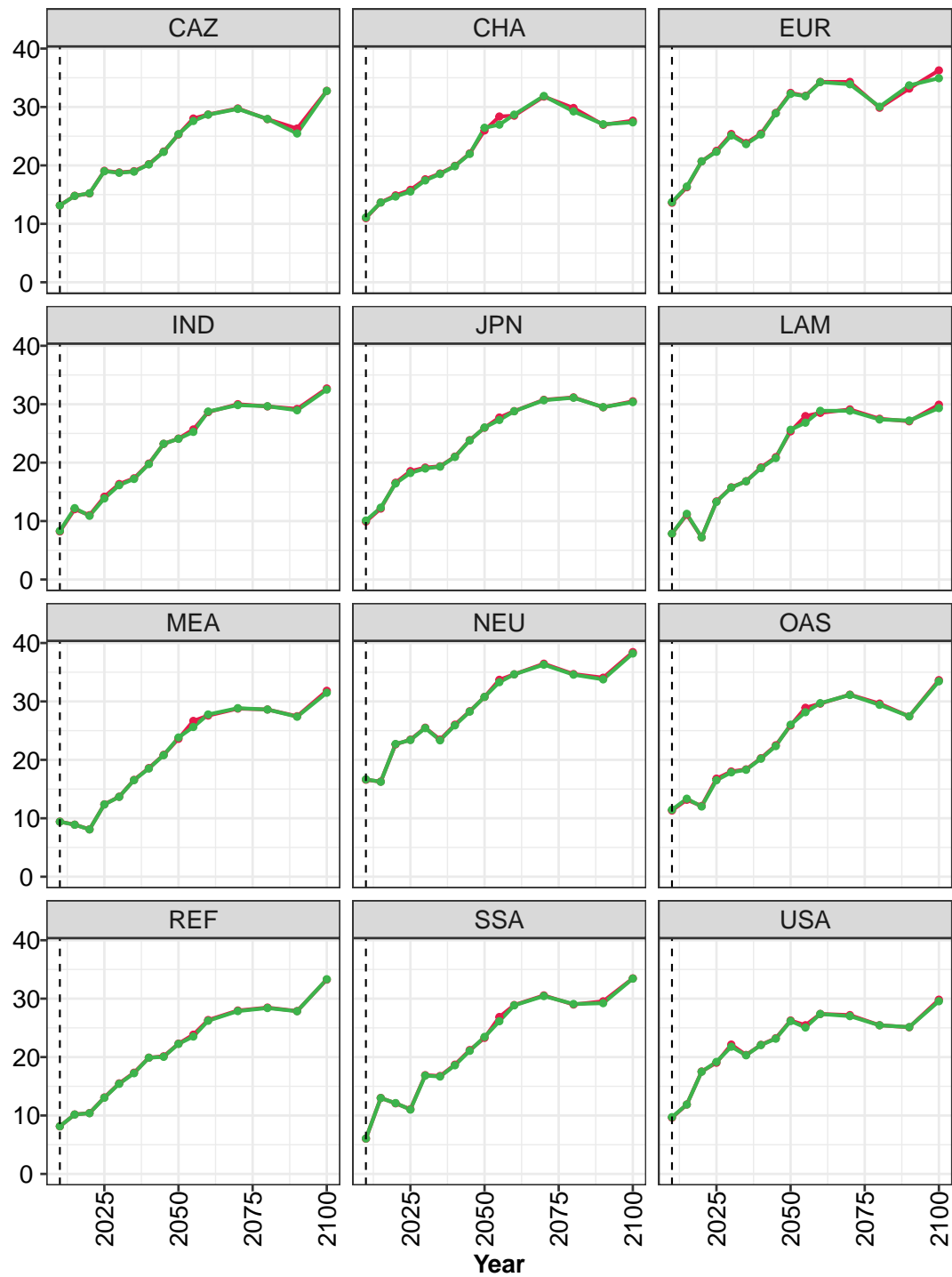
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- SSP2EU-NPi-calibrate-ETPfix

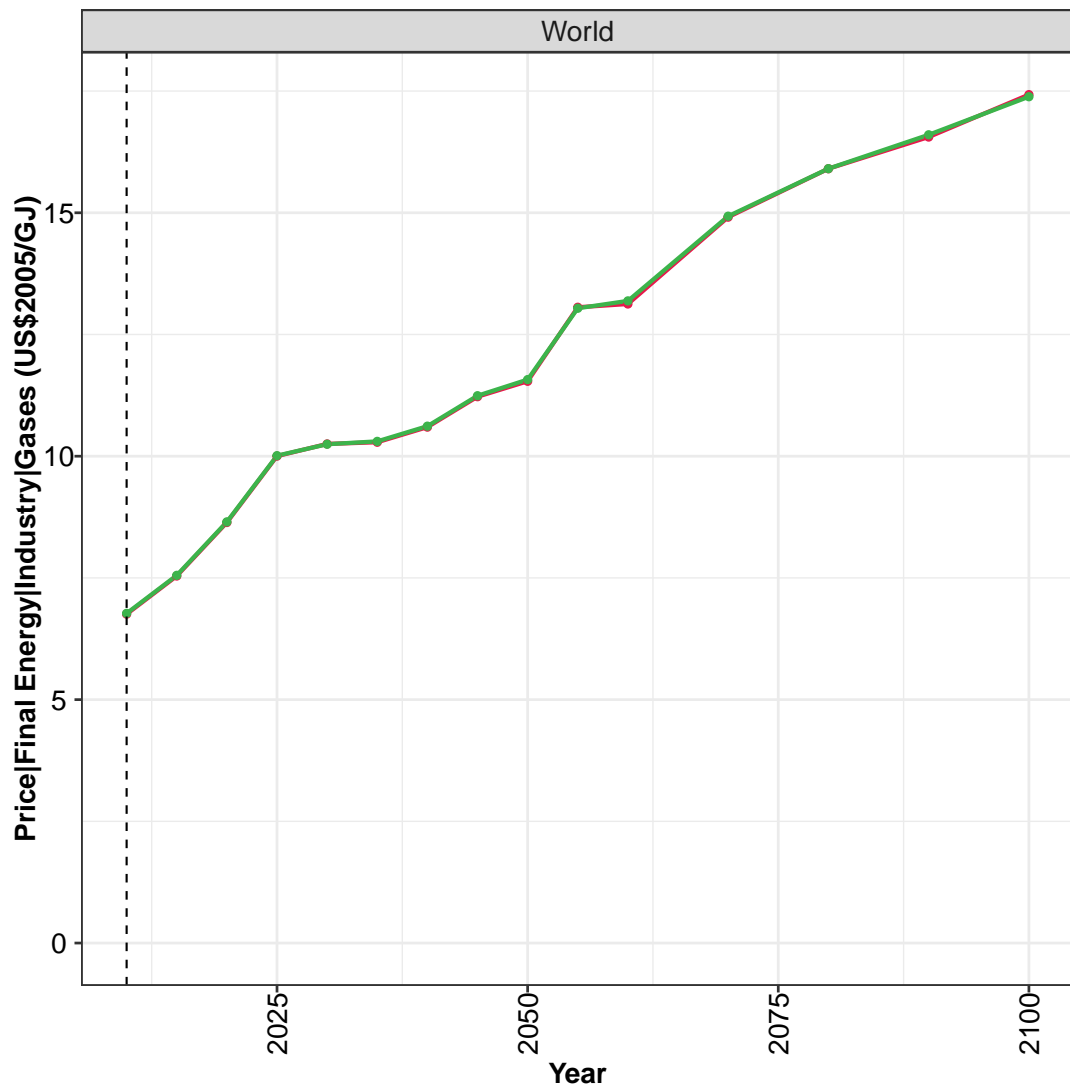




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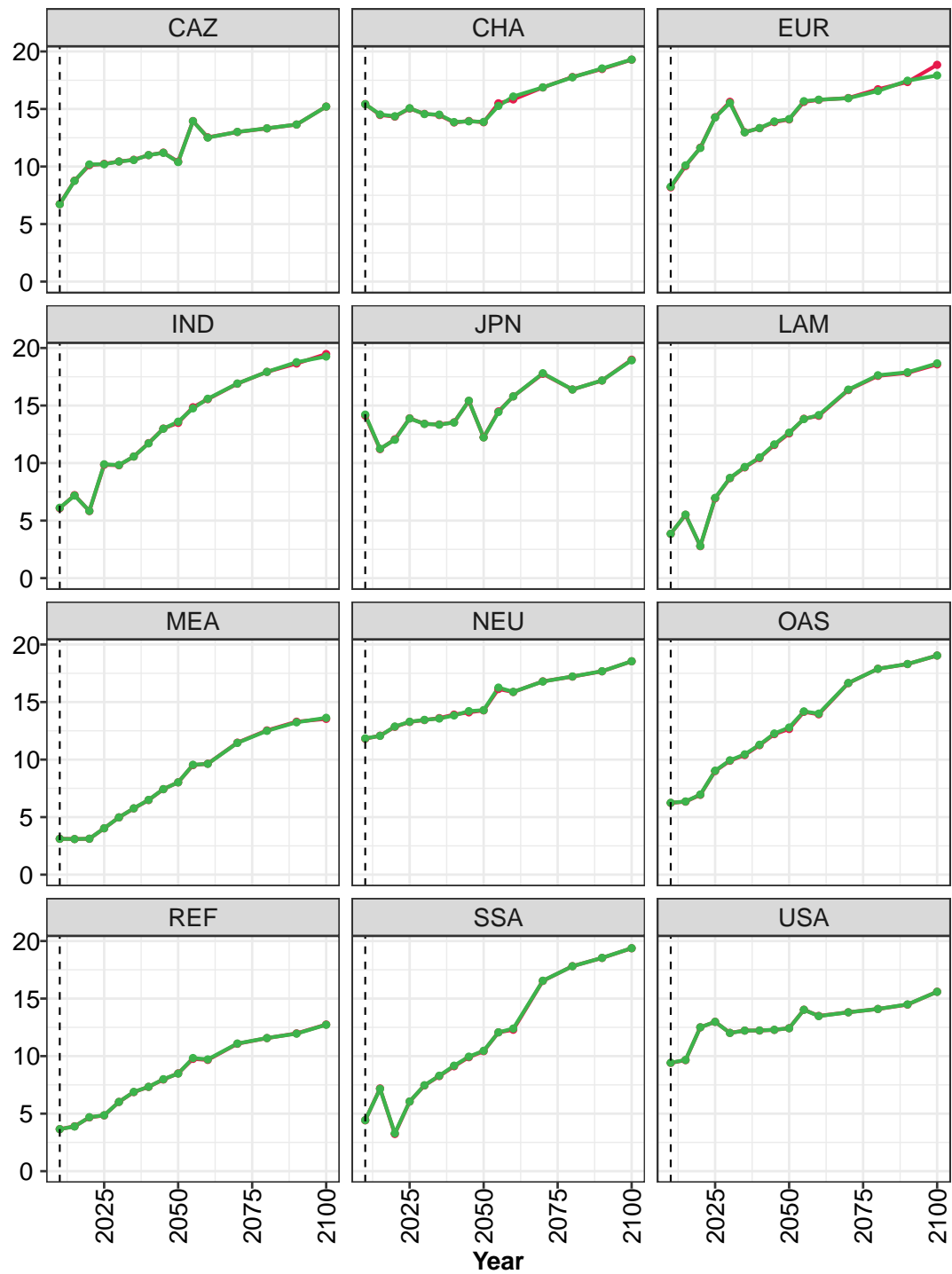
- SSP2EU-NPi-calibrate
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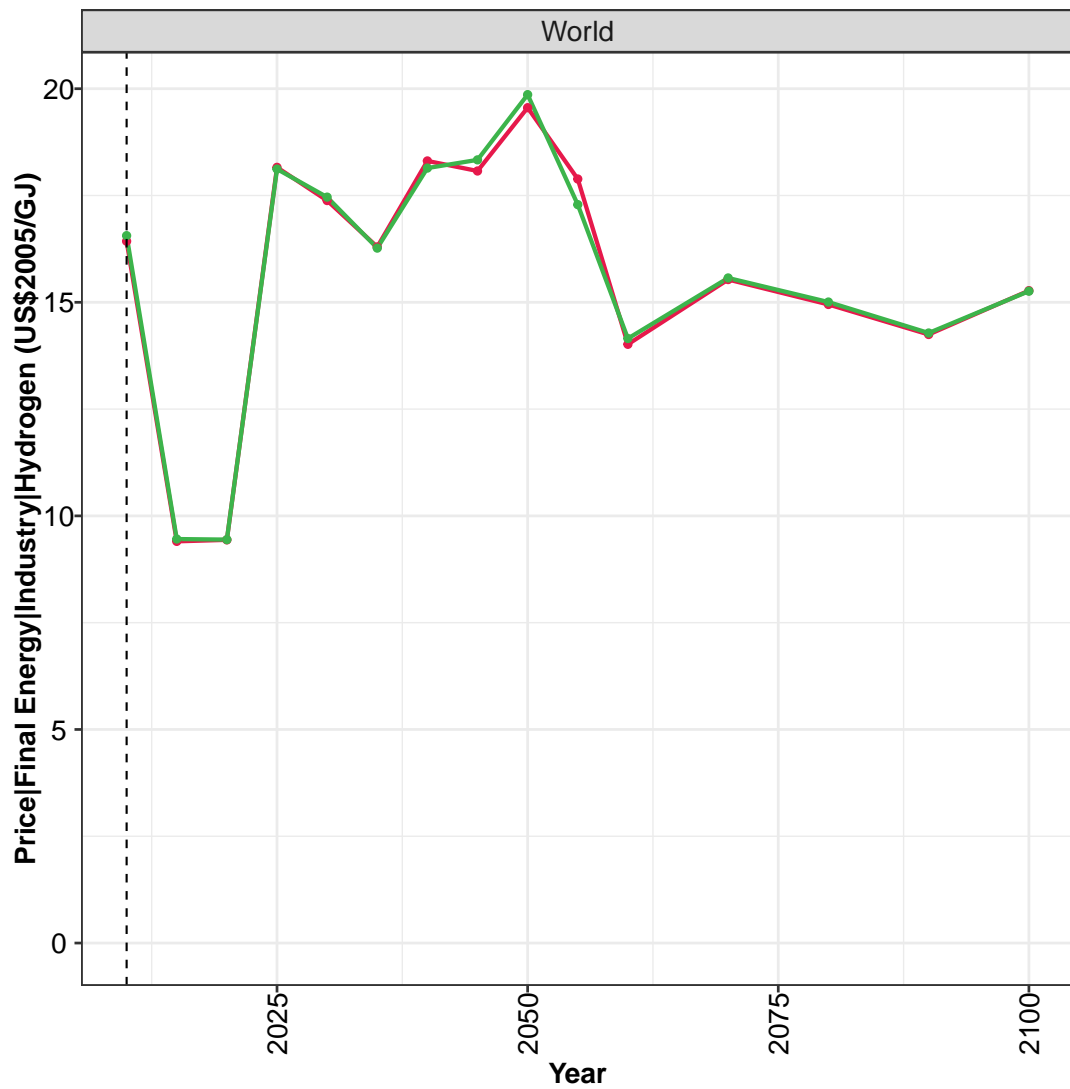




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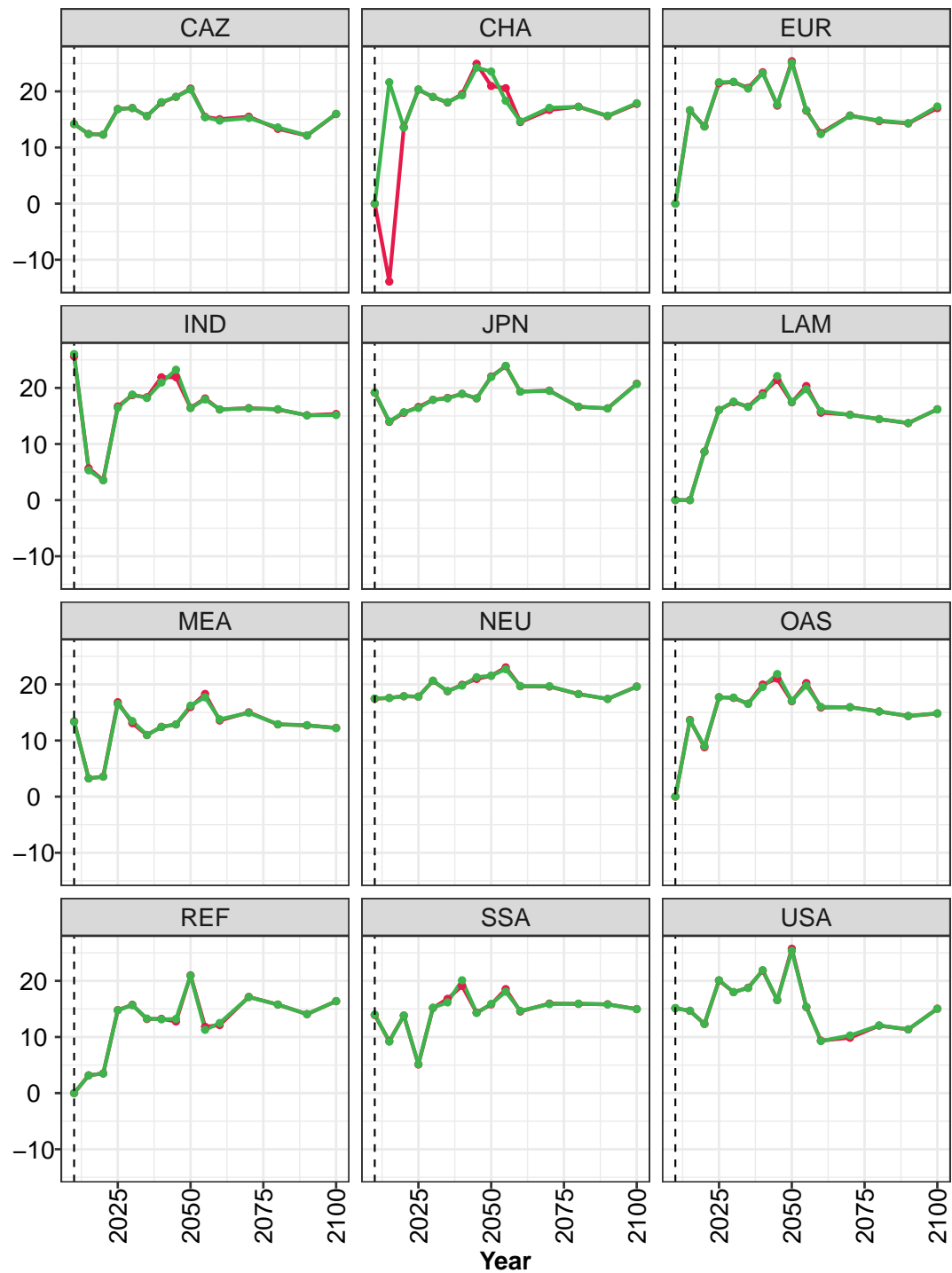
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

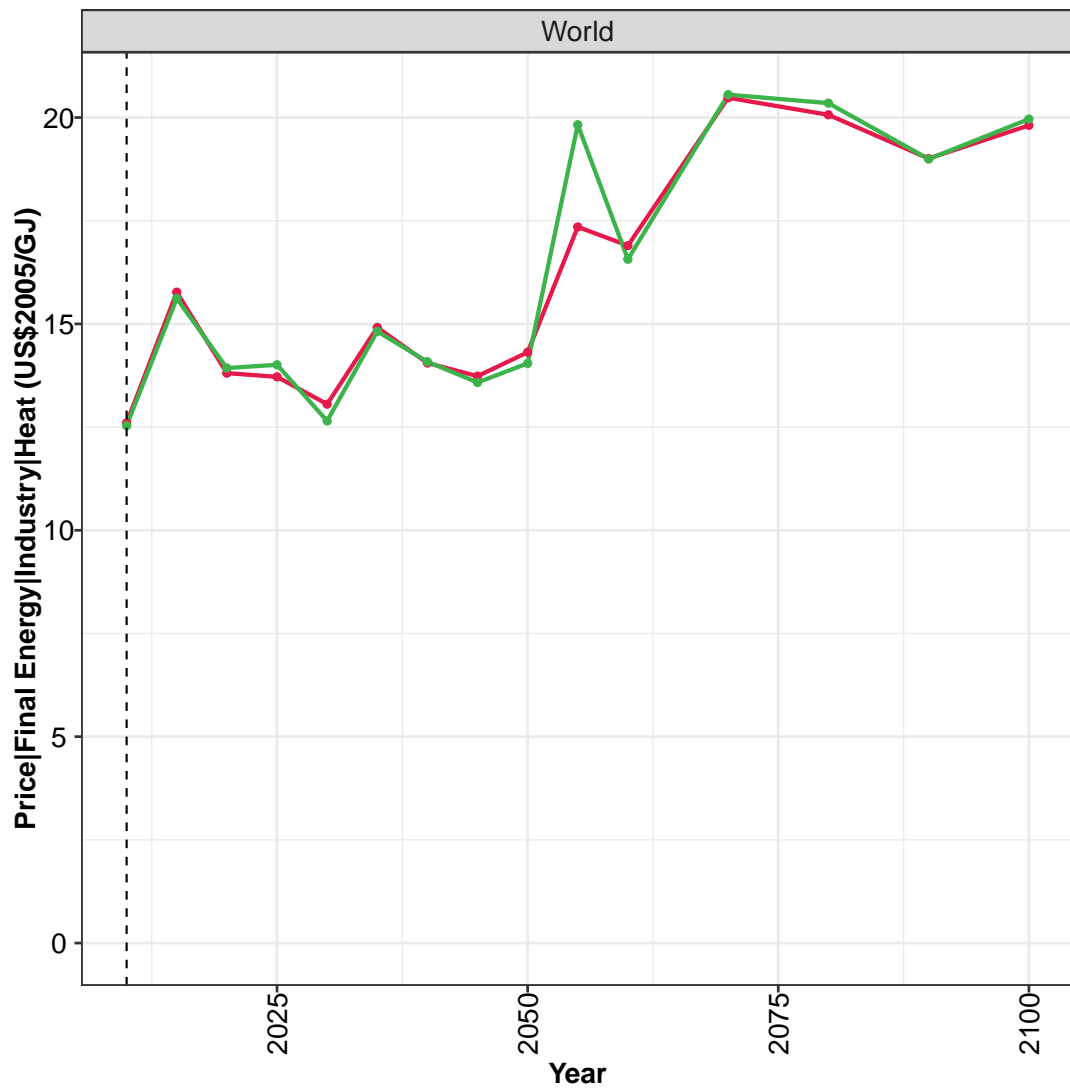




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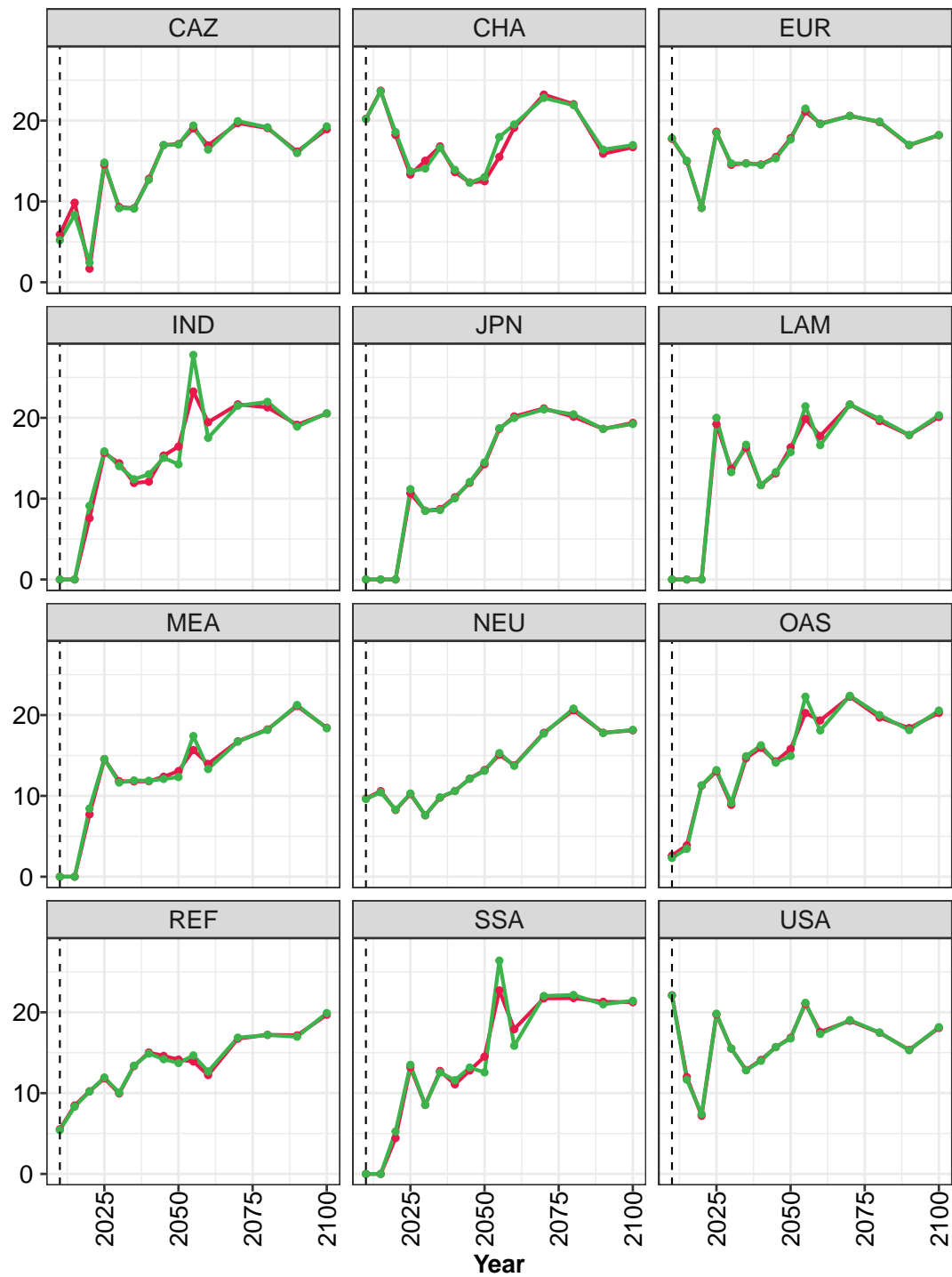
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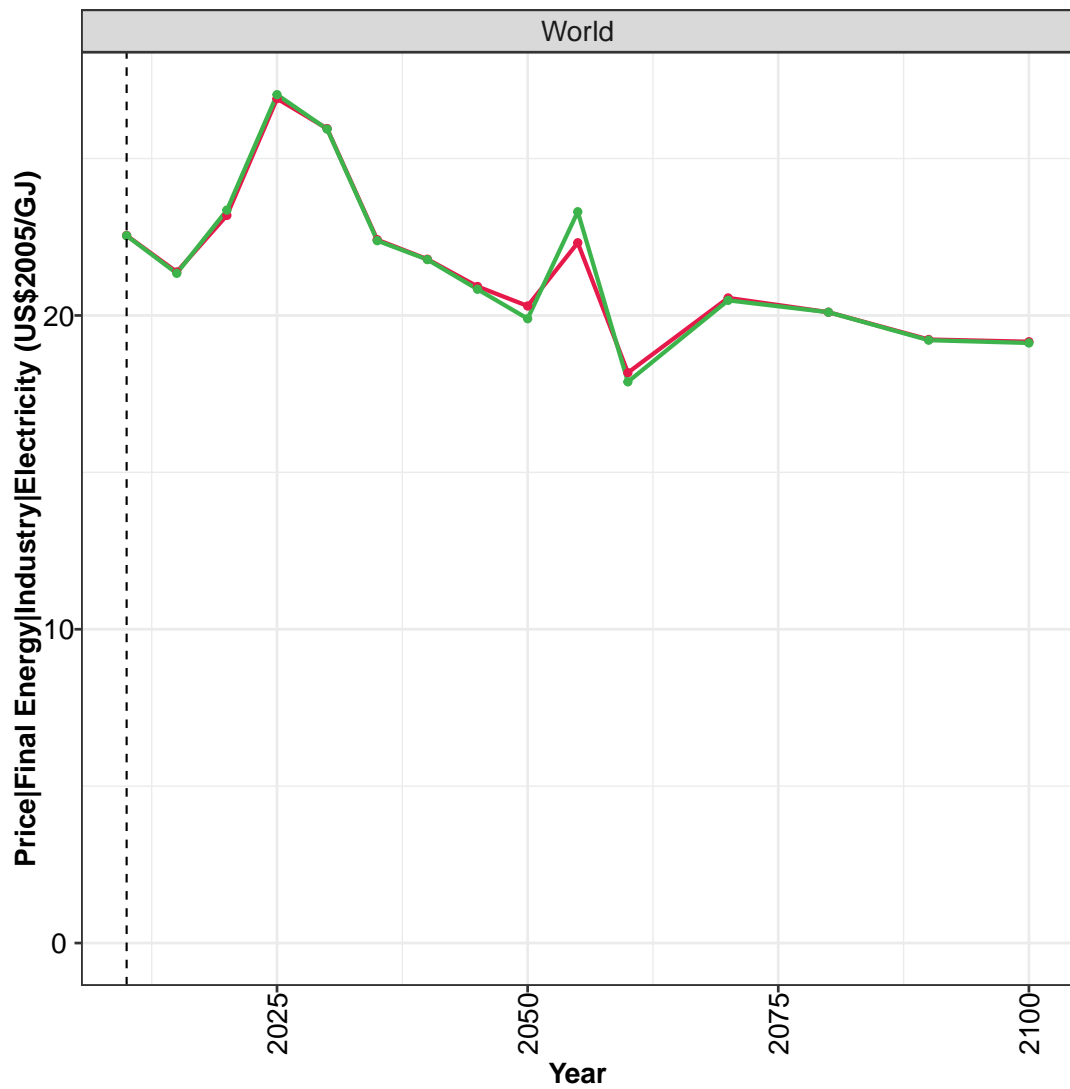




Model: REMIND

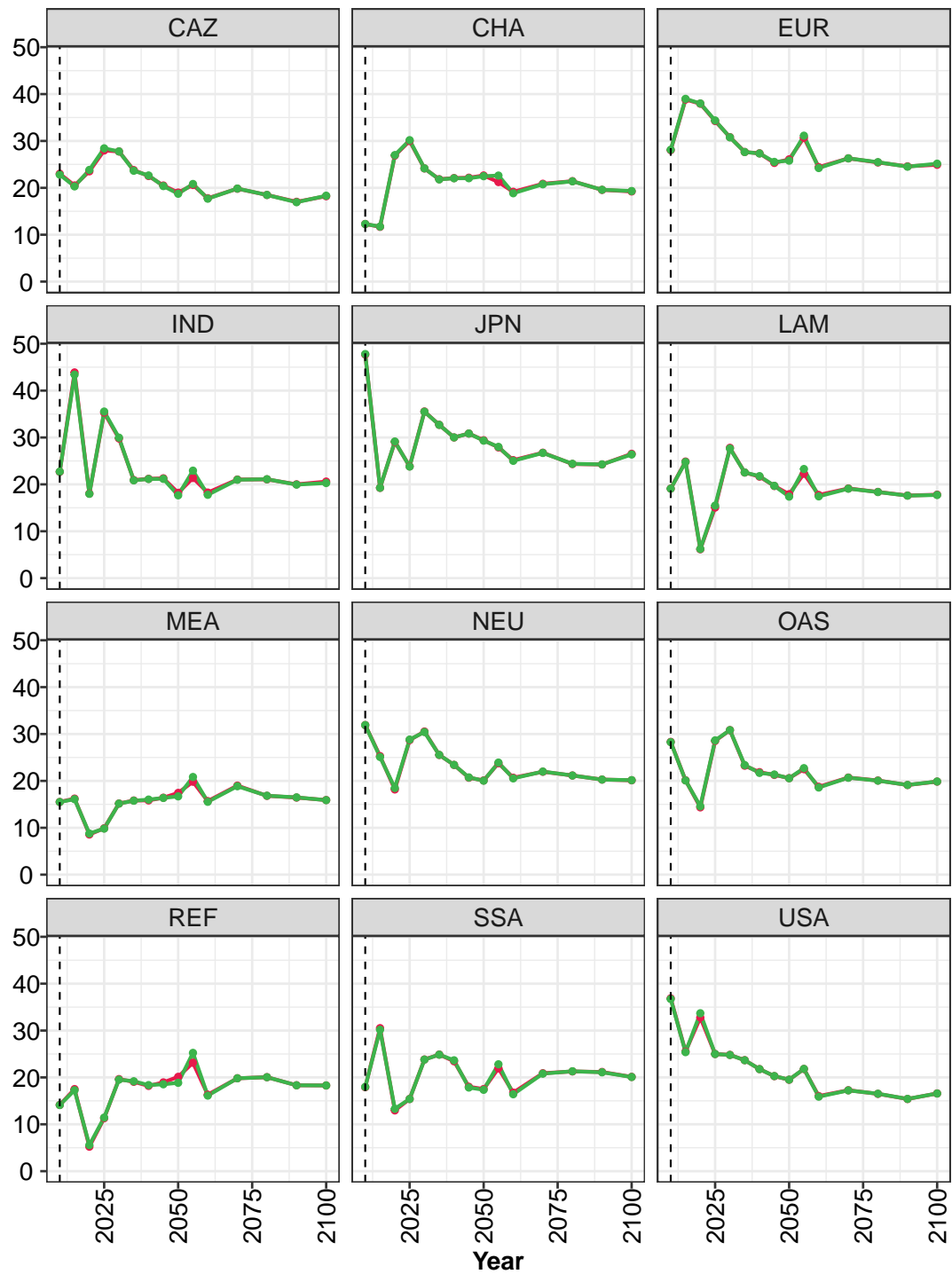
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- SSP2EU-NPi-calibrate-ETPfix



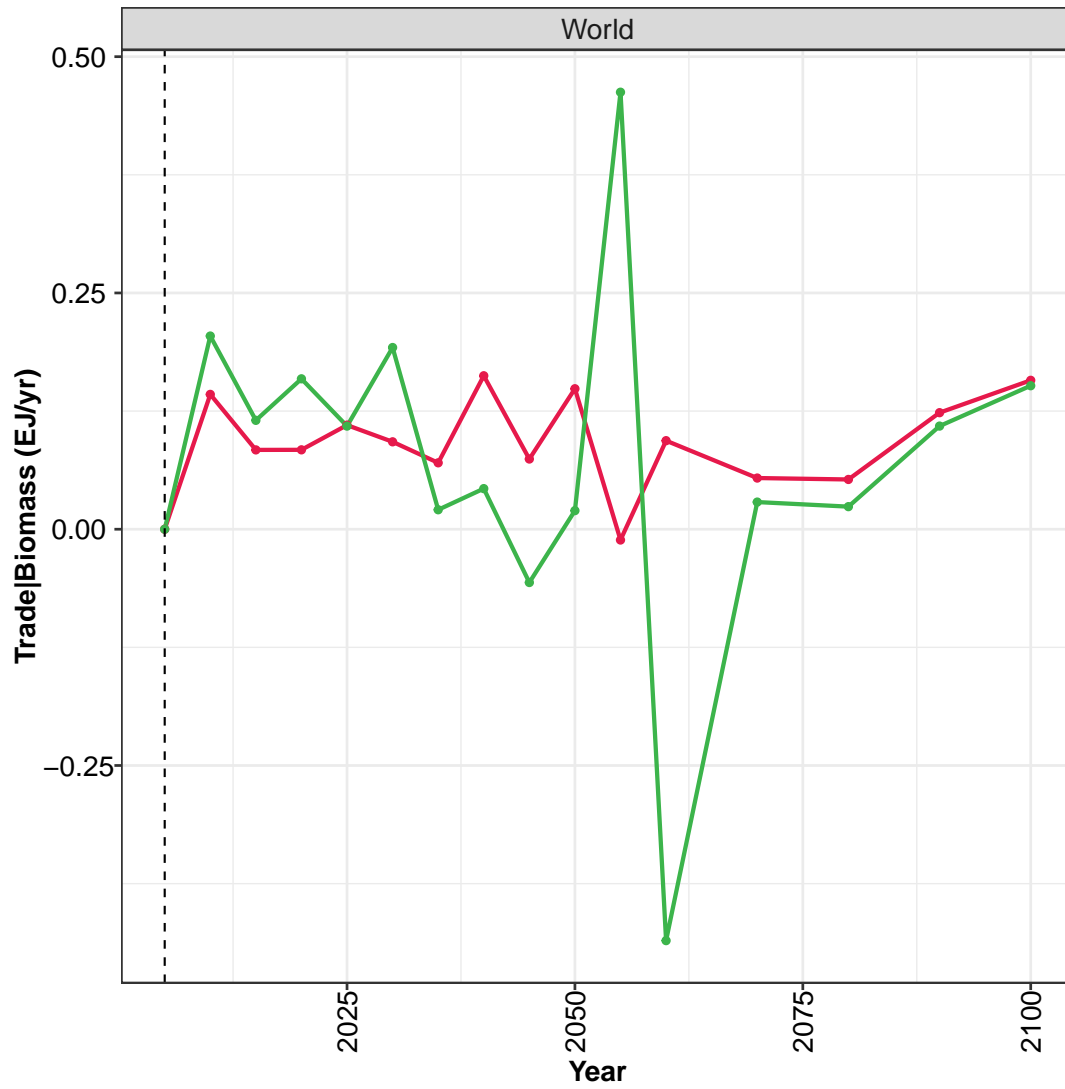


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



2.12 Trade

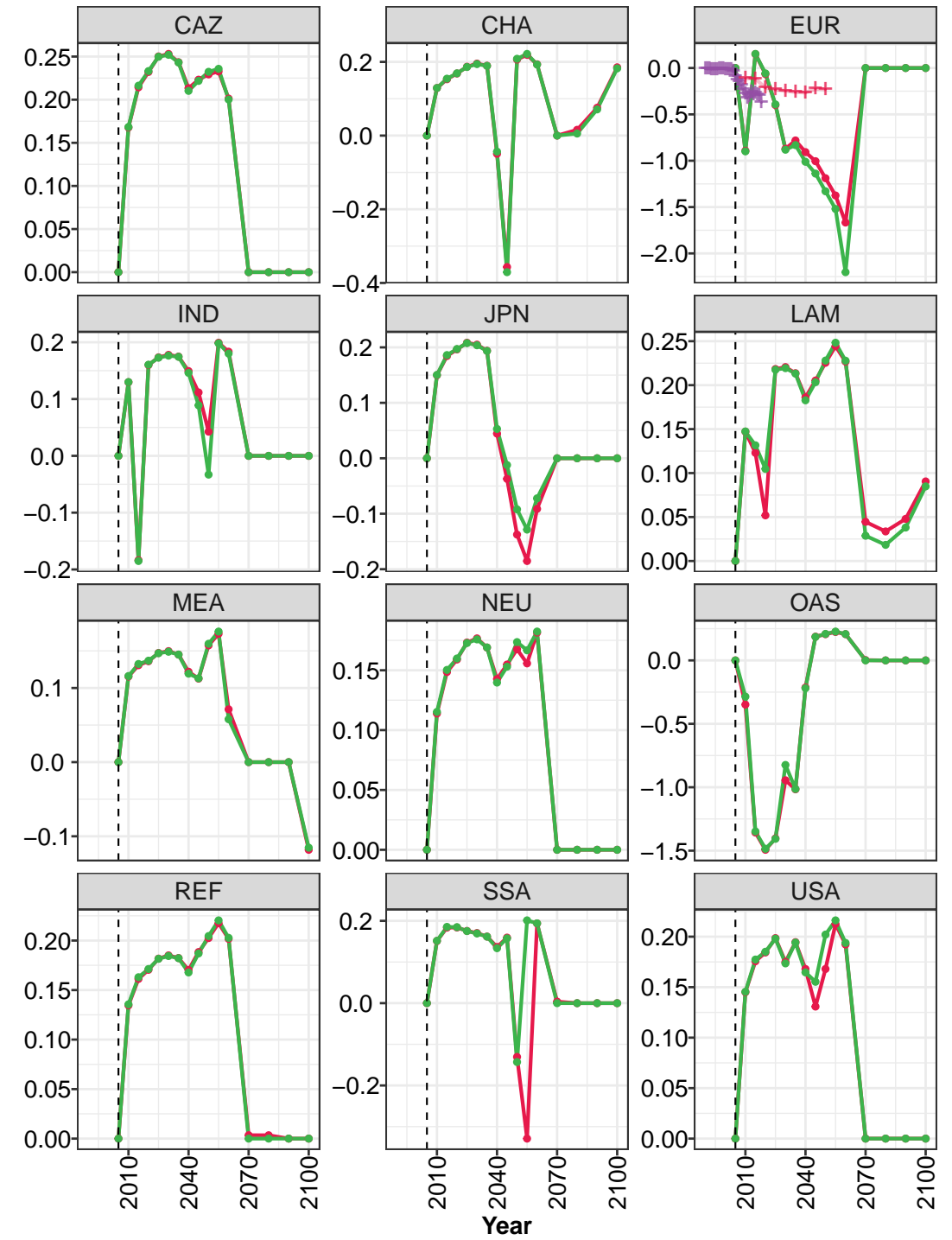


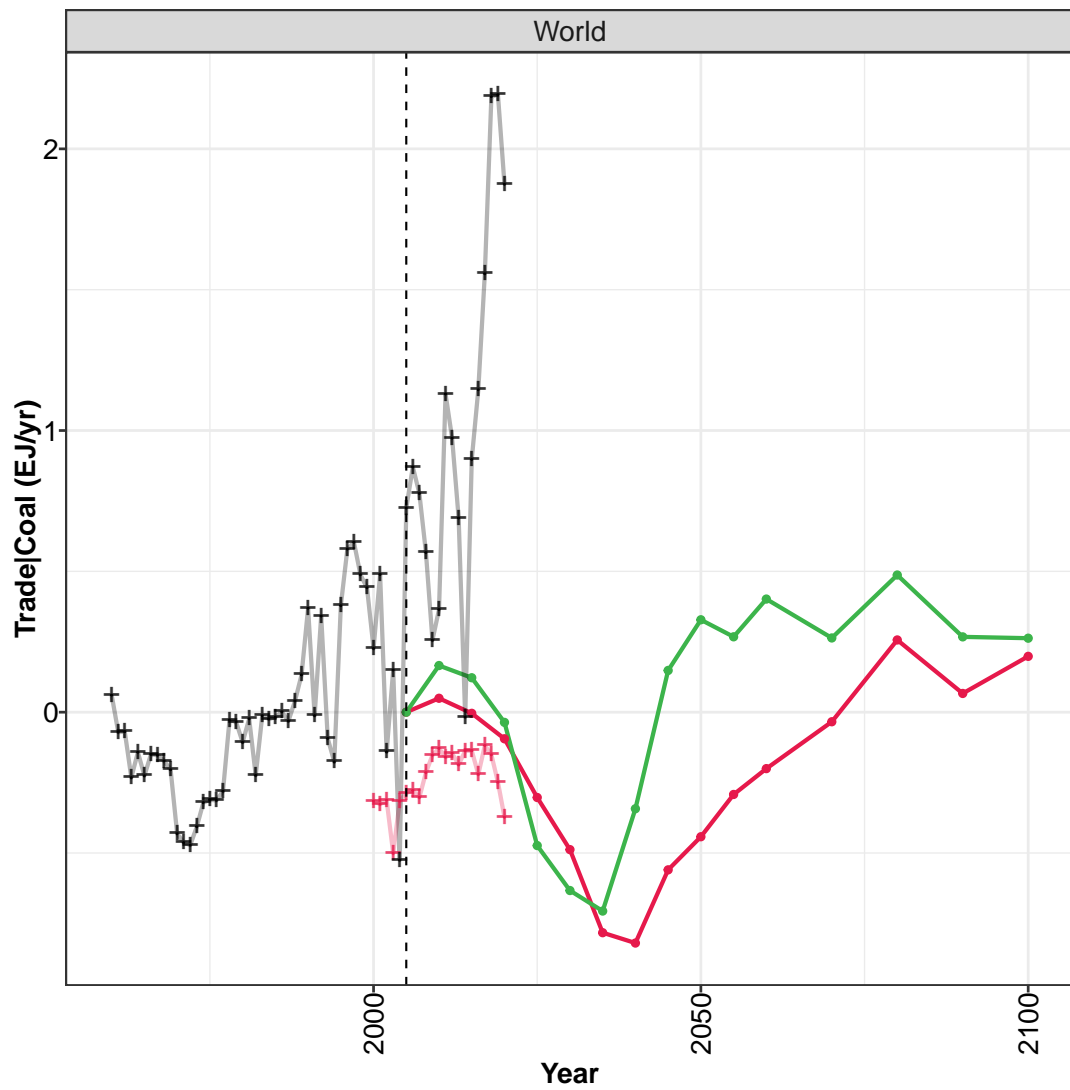
Model: REMIND

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Historical data

- + Eurostat
- + INNOPATHS



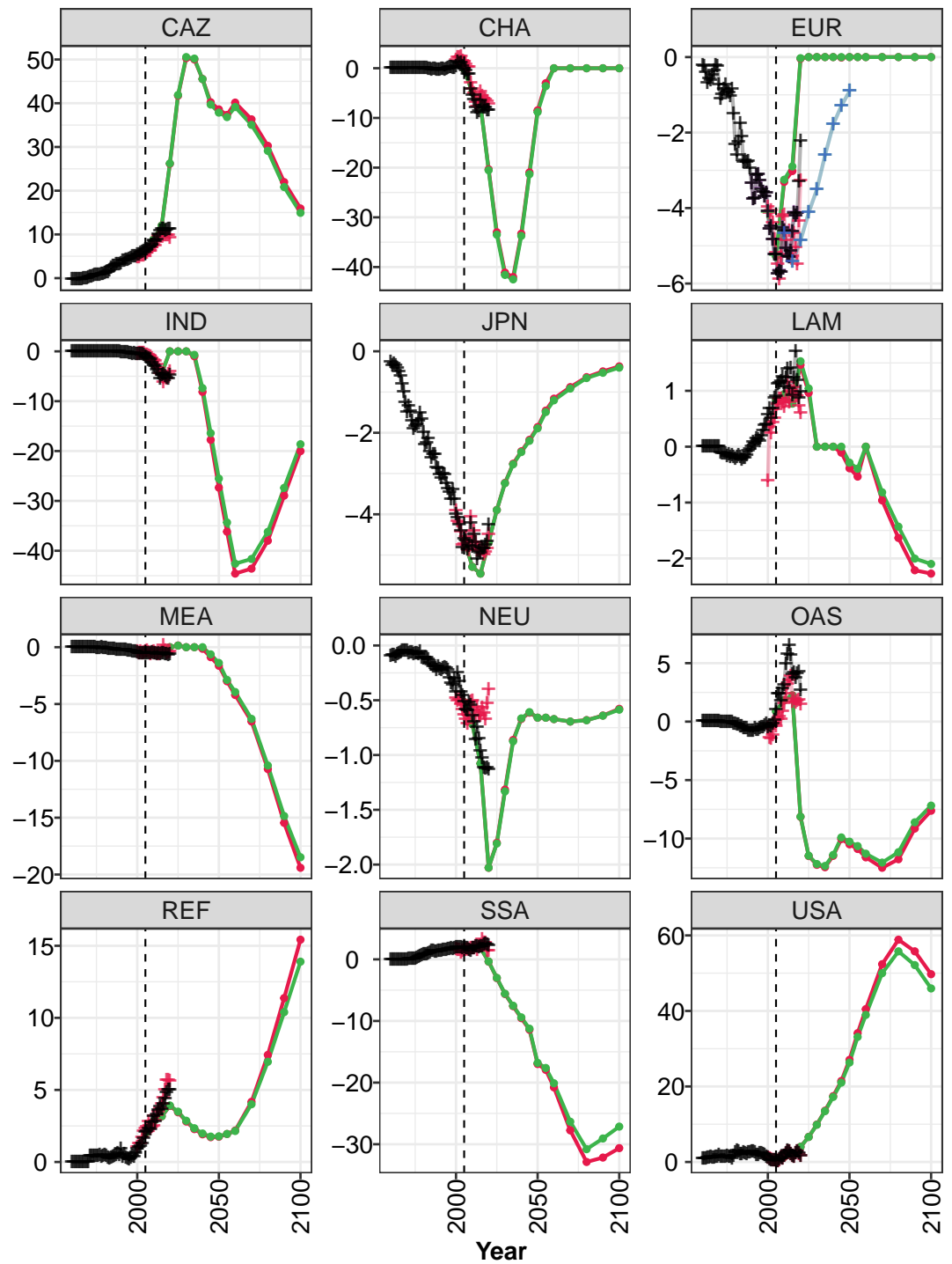


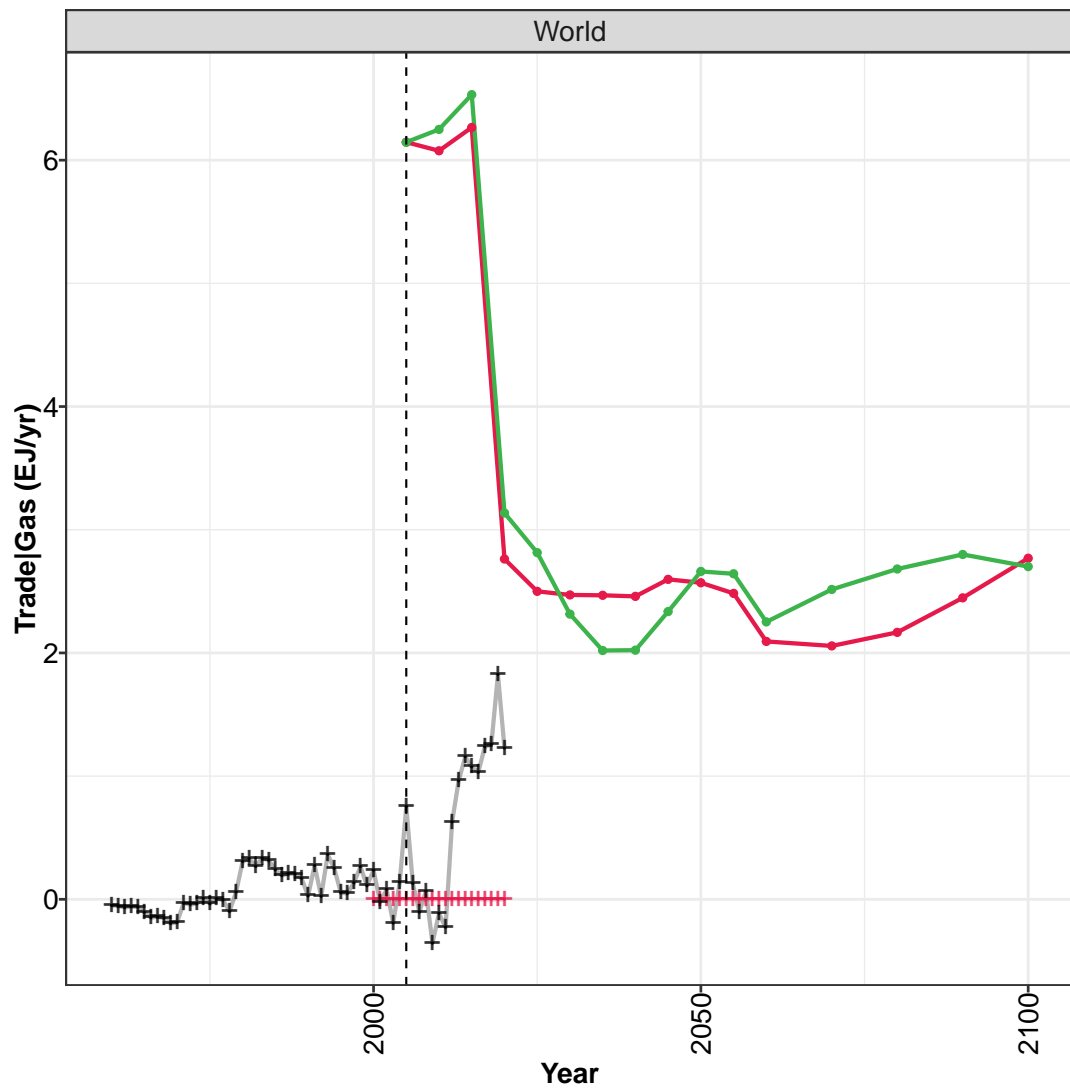
Model: REMIND

- SSP2EU-NPi-calibrate
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Historical data

- + BP
- + EU_ReferenceScenario_2016
- + Eurostat
- + IEA
- + INNOPATHS



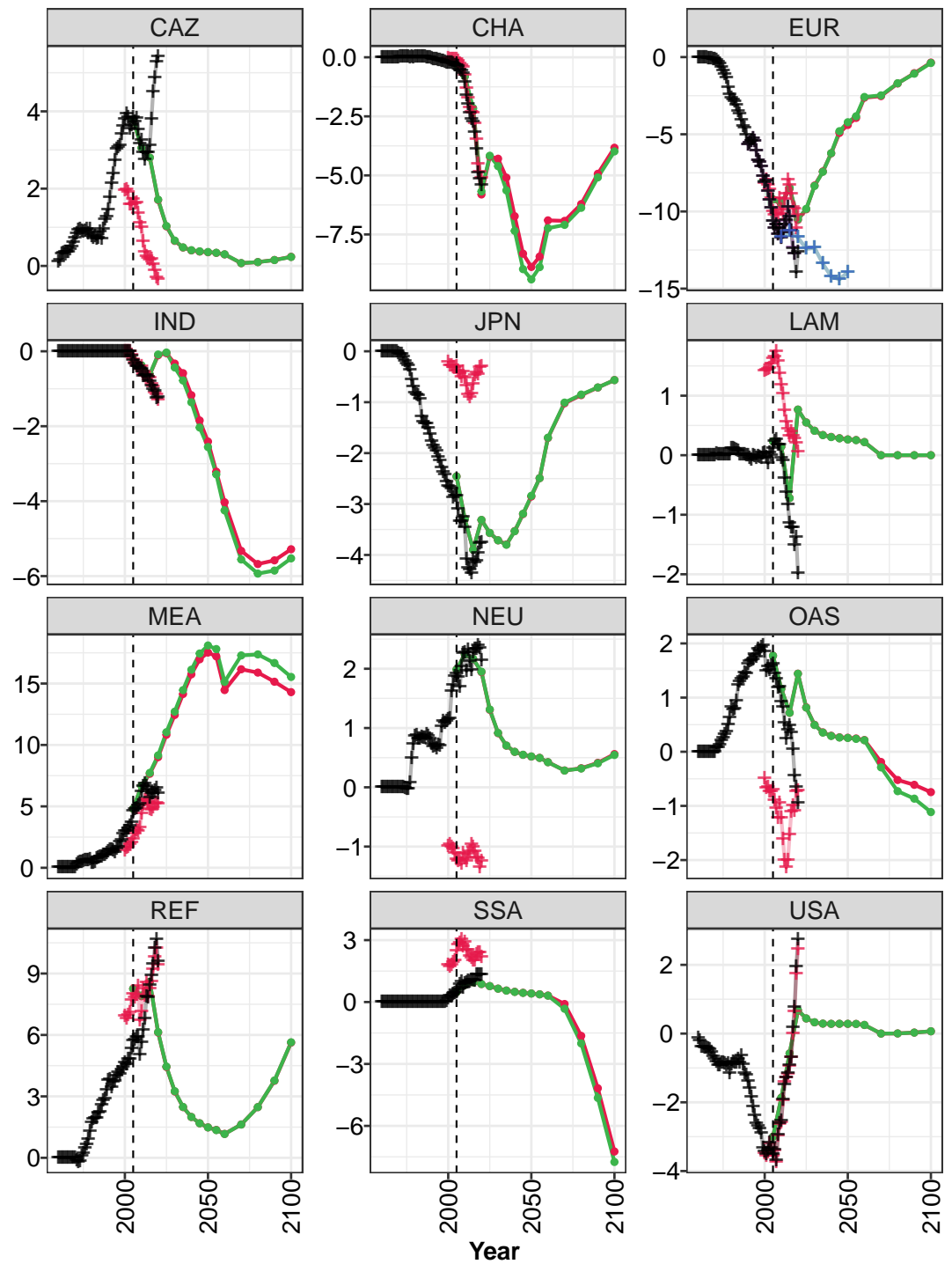


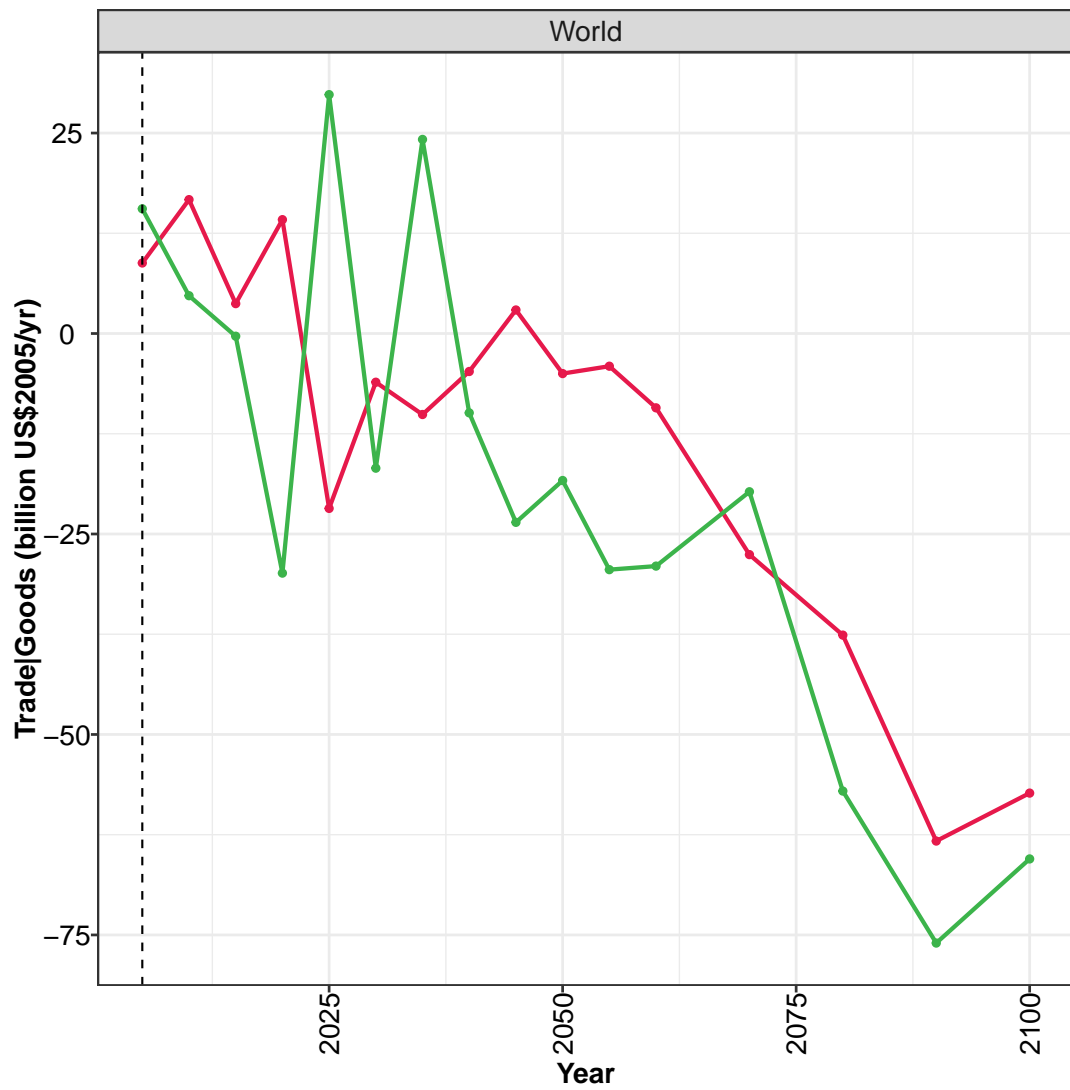
Model: REMIND

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- SSP2EU-NPi-calibrate-ETPfix

Historical data

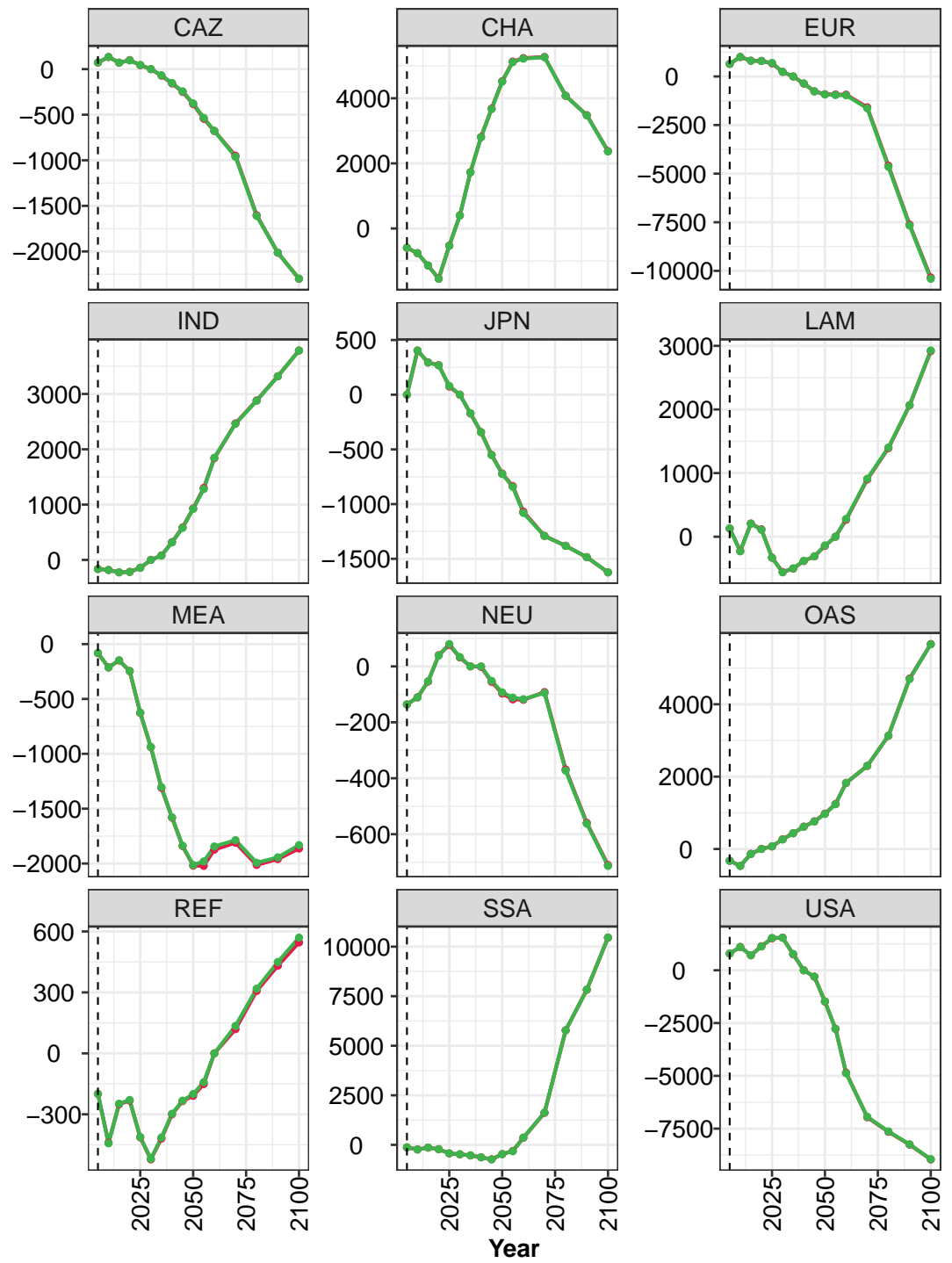
- + BP
- + EU_ReferenceScenario_2016
- + Eurostat
- + IEA
- + INNOPATHS

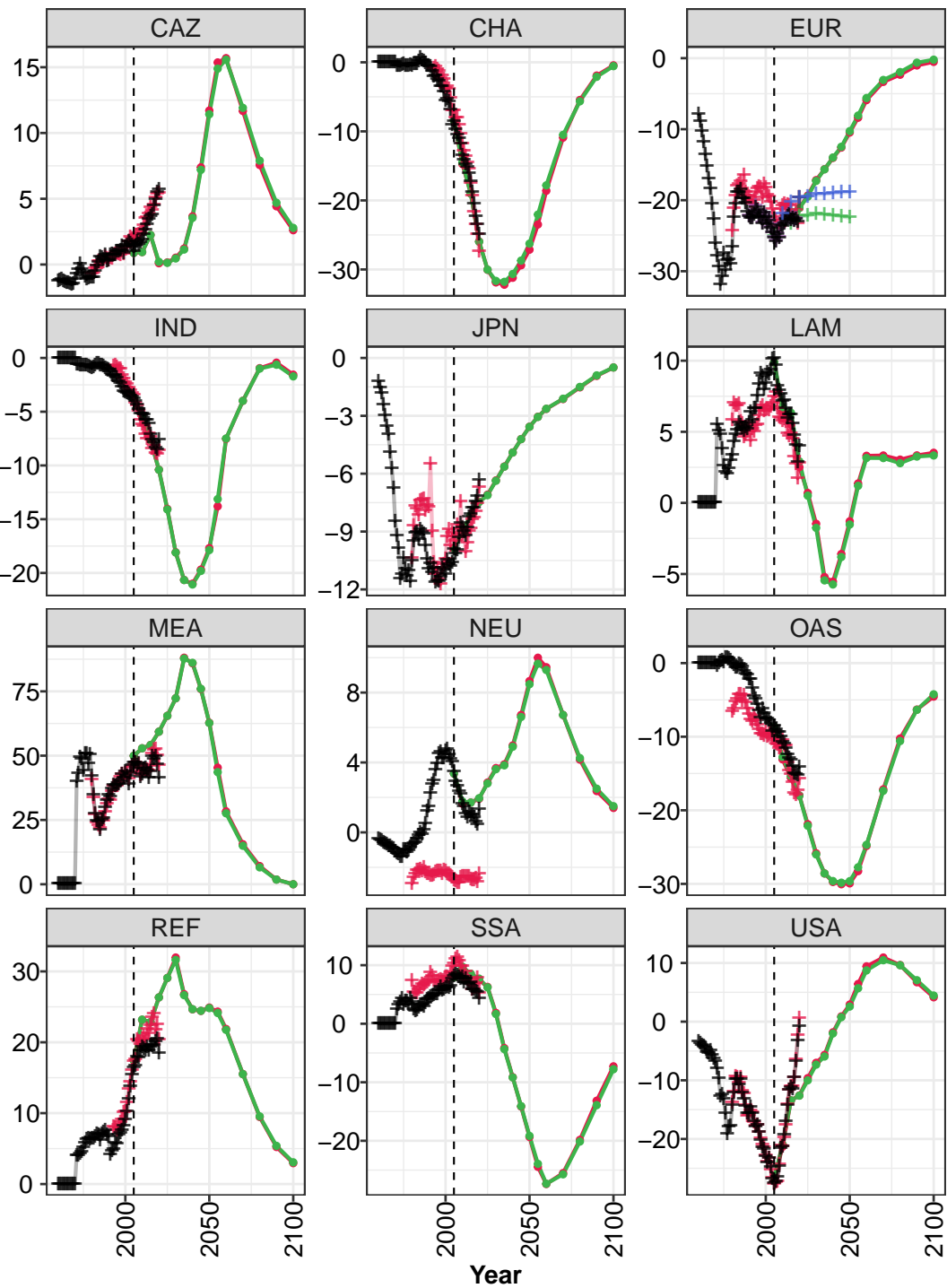
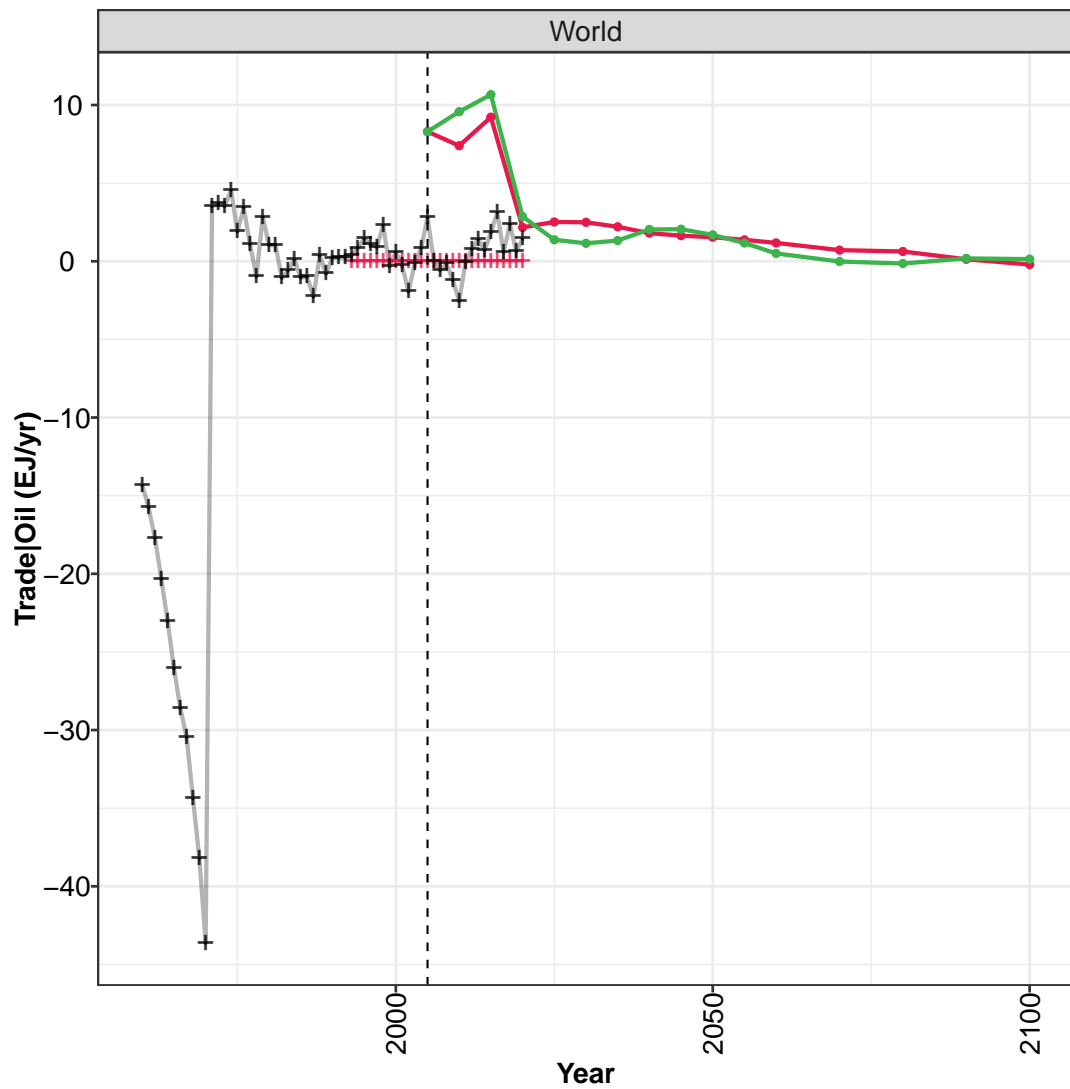




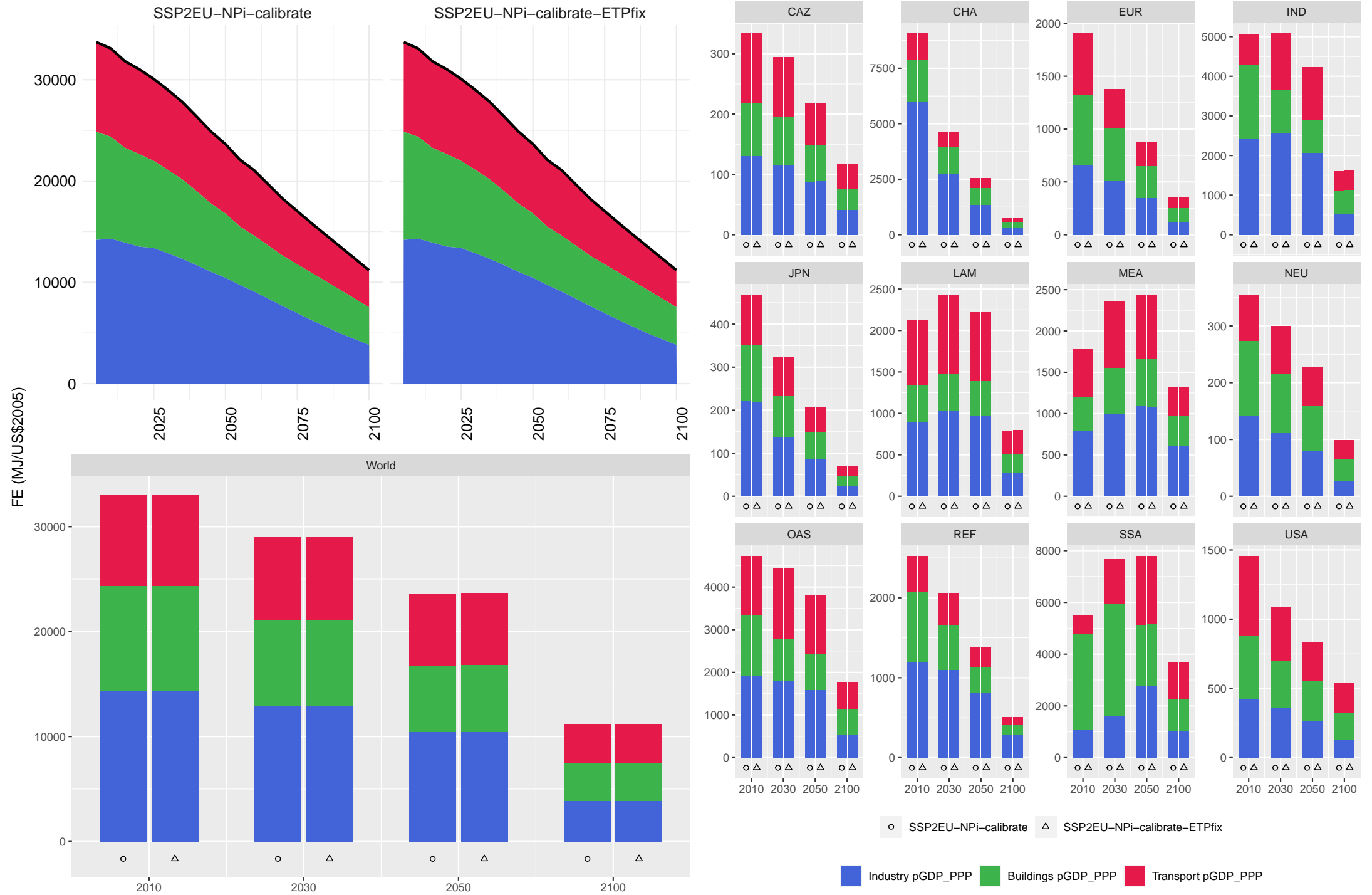
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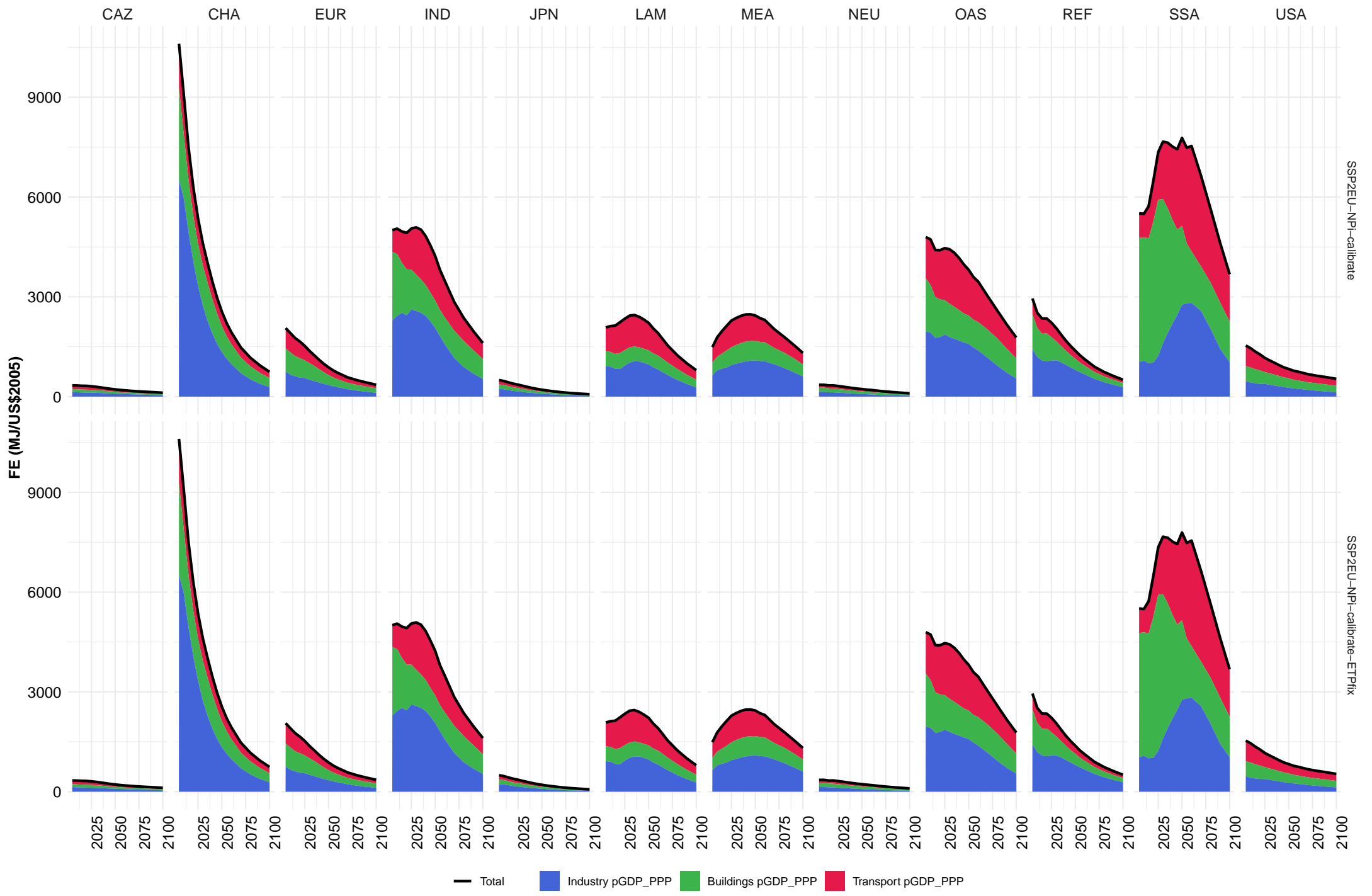
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- SSP2EU-NPi-calibrate-ETPfix



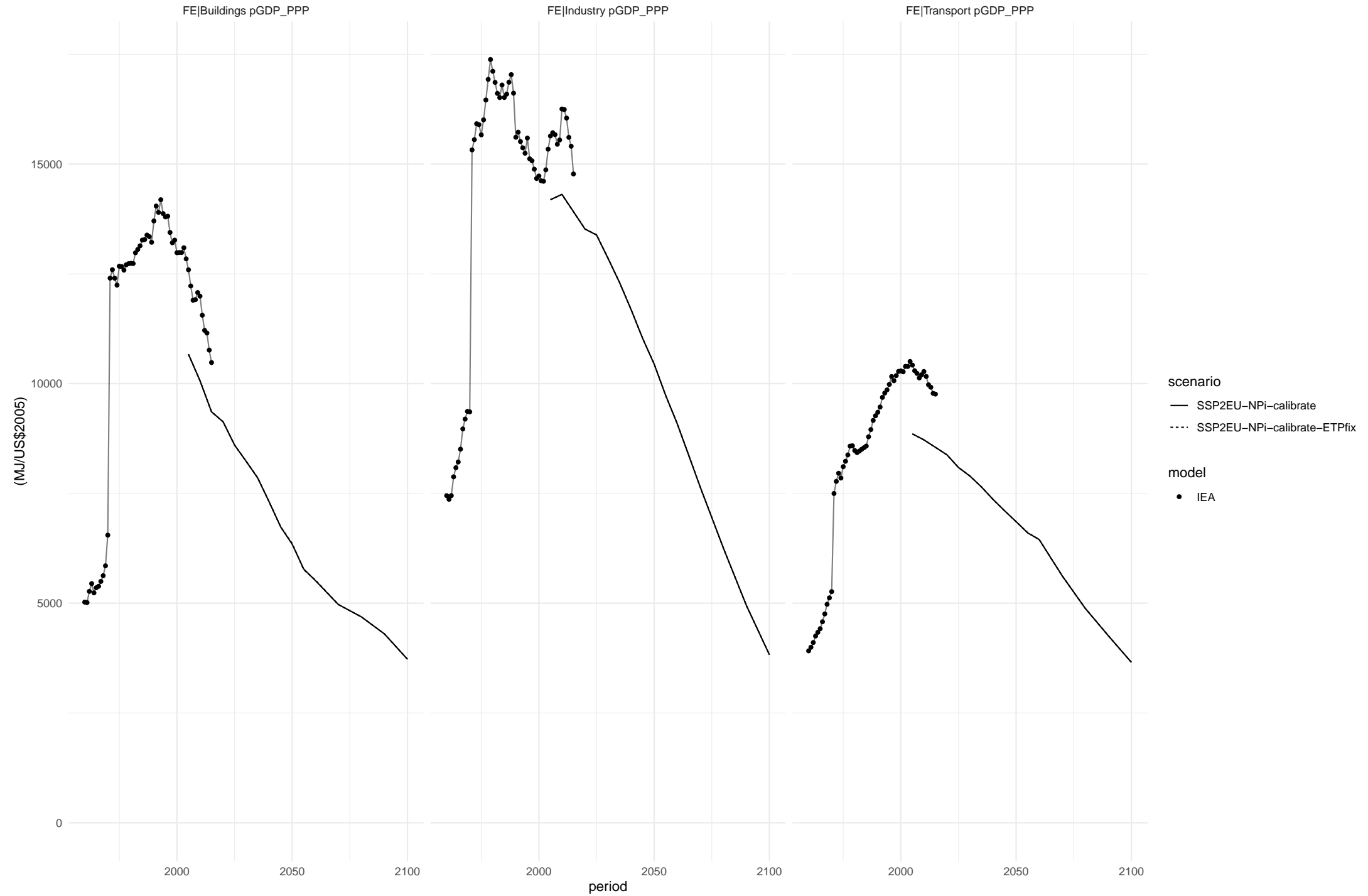


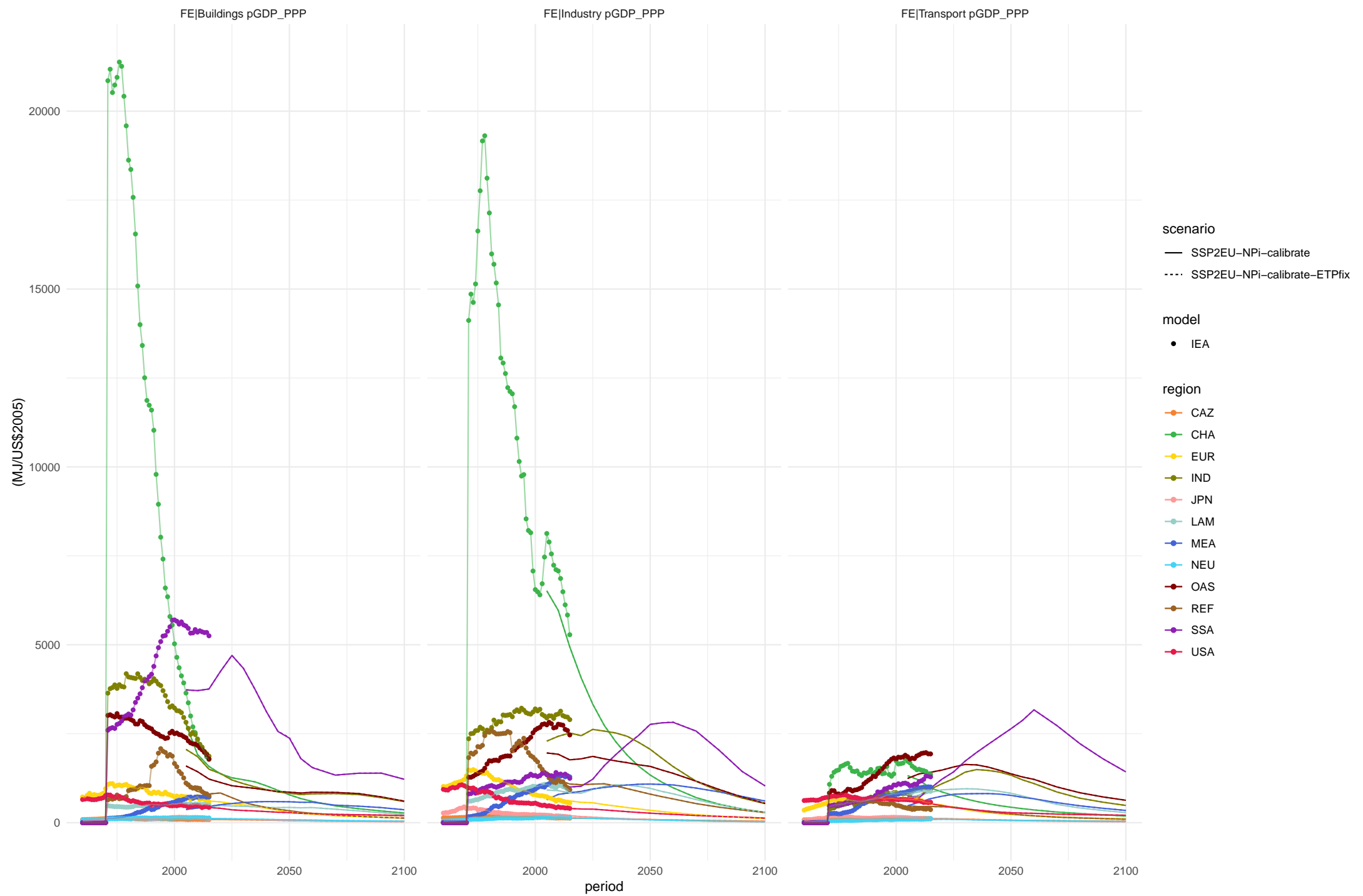
2.13 FE intensity of GDP

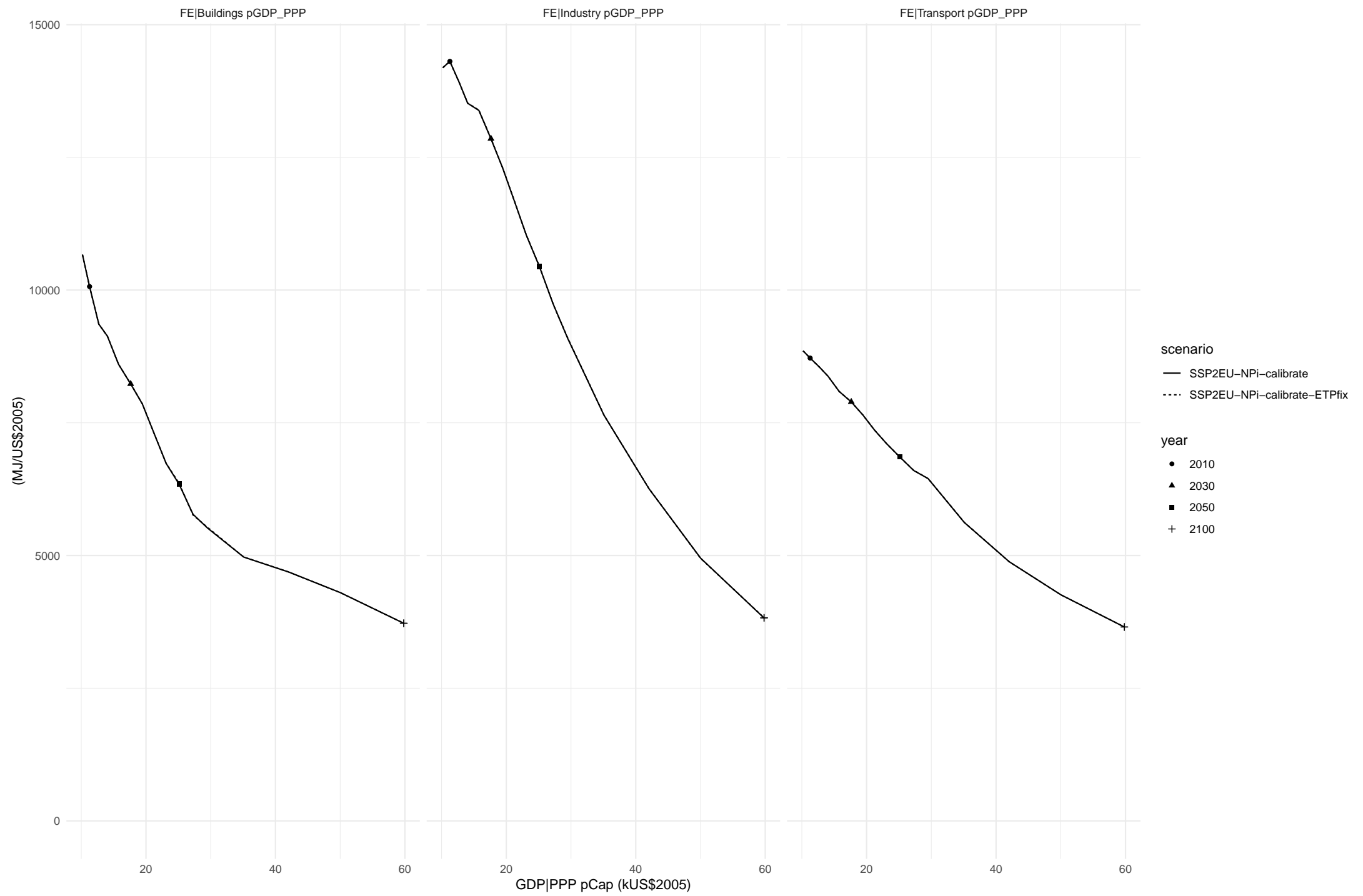


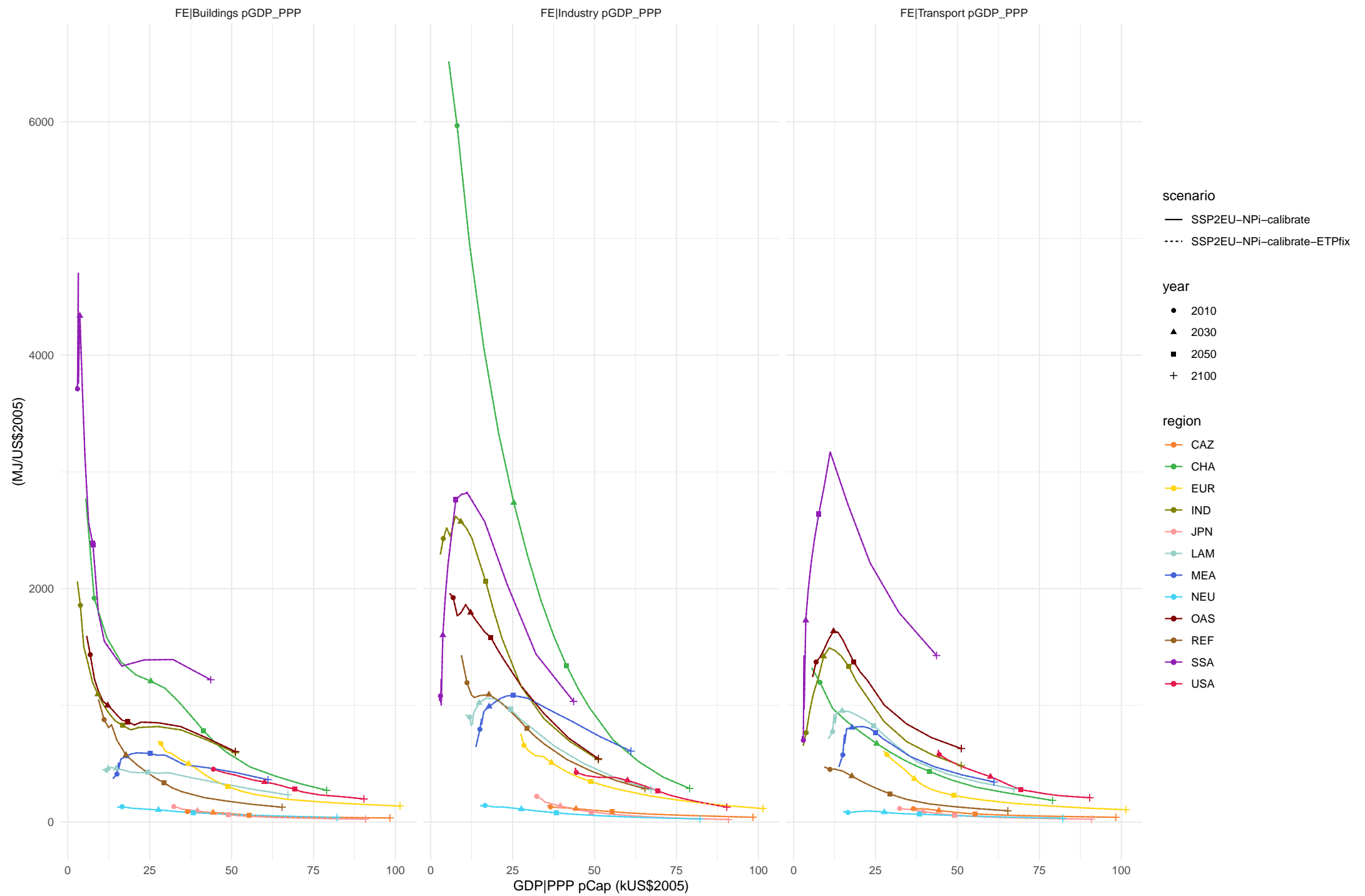


2.14 FE intensity of GDP_PPP, linegraph (by pGDP_PPP)



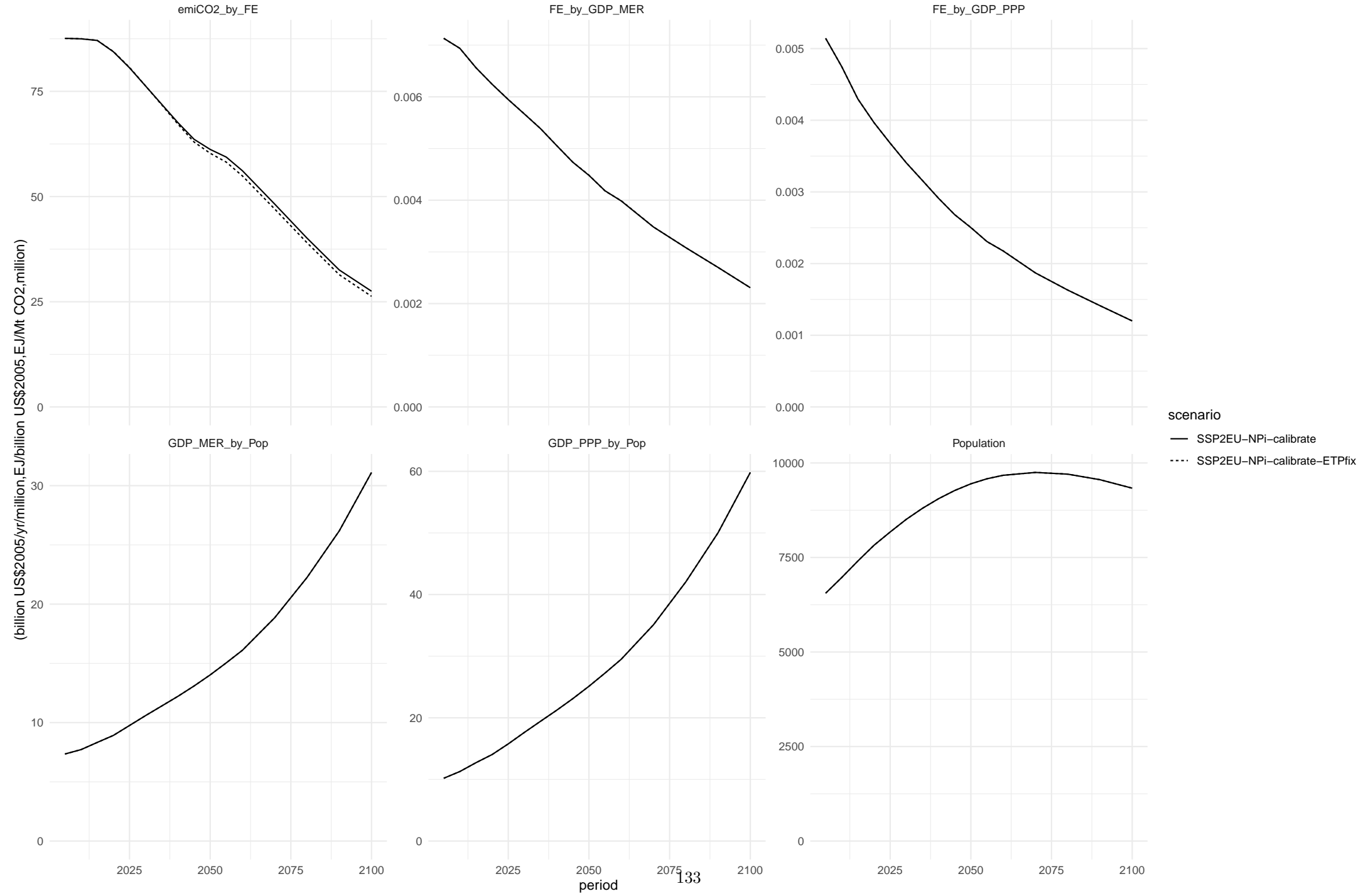


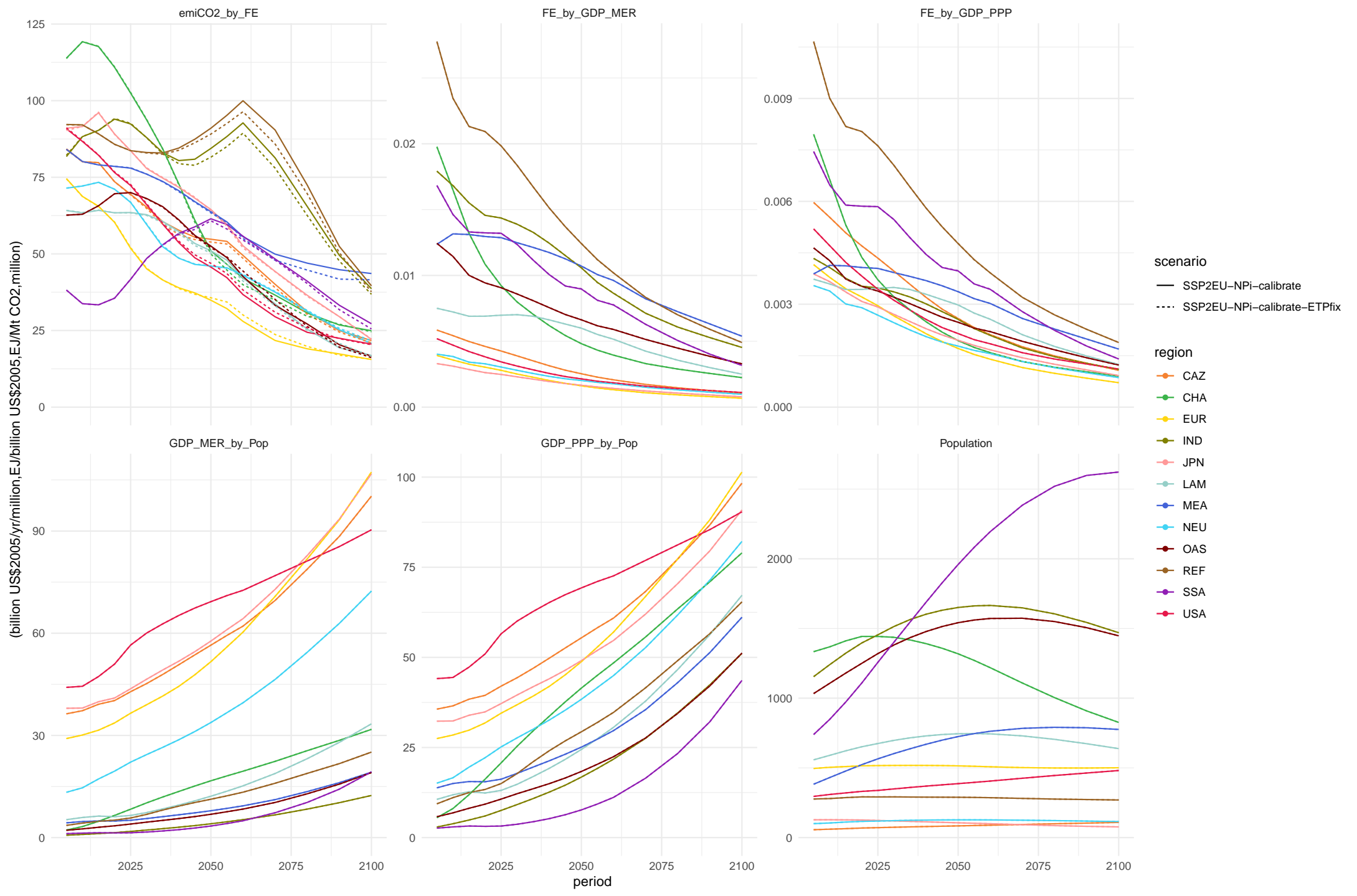




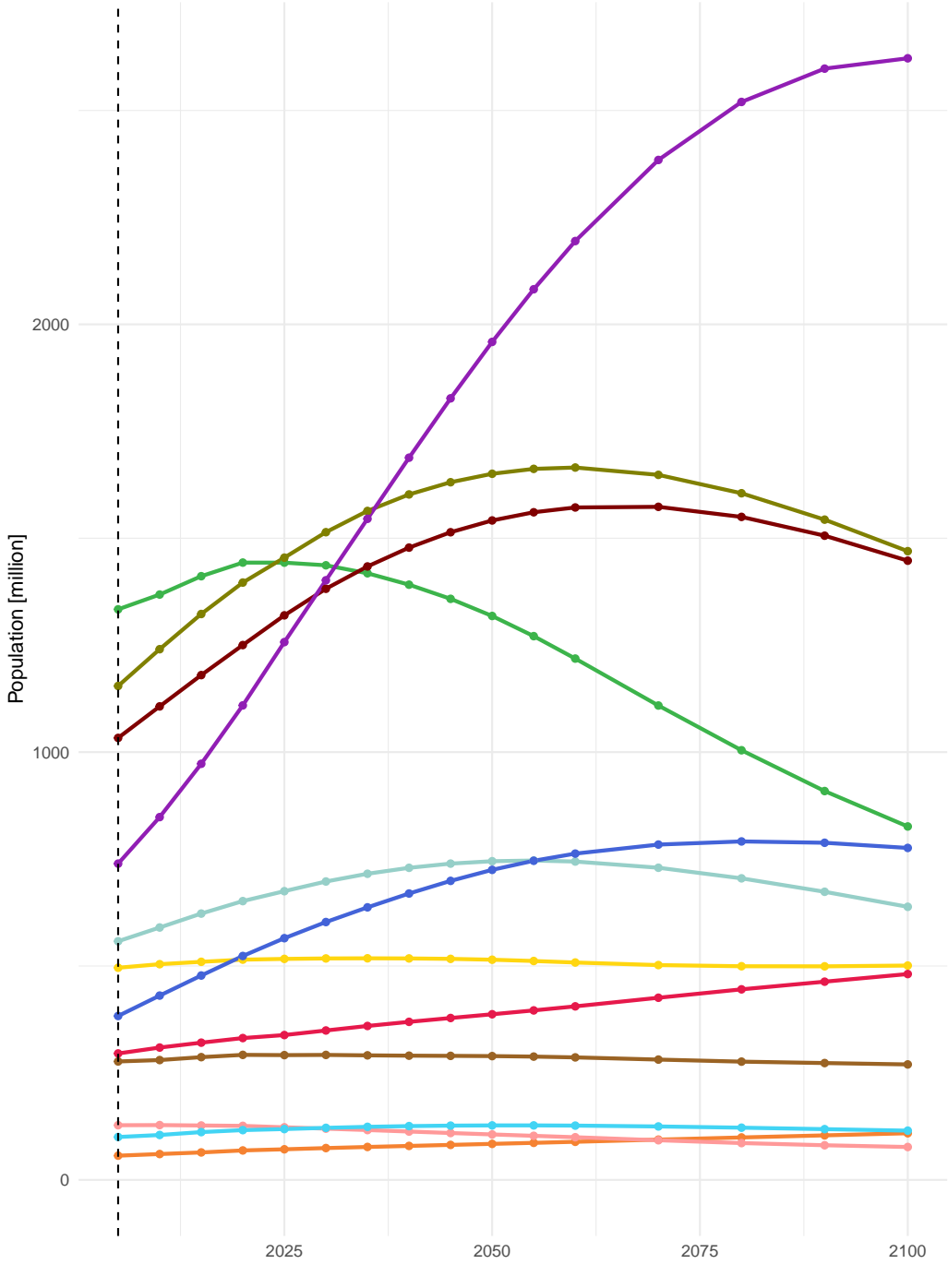
2.15 Kaya Decomposition

2.15.1 Absolute

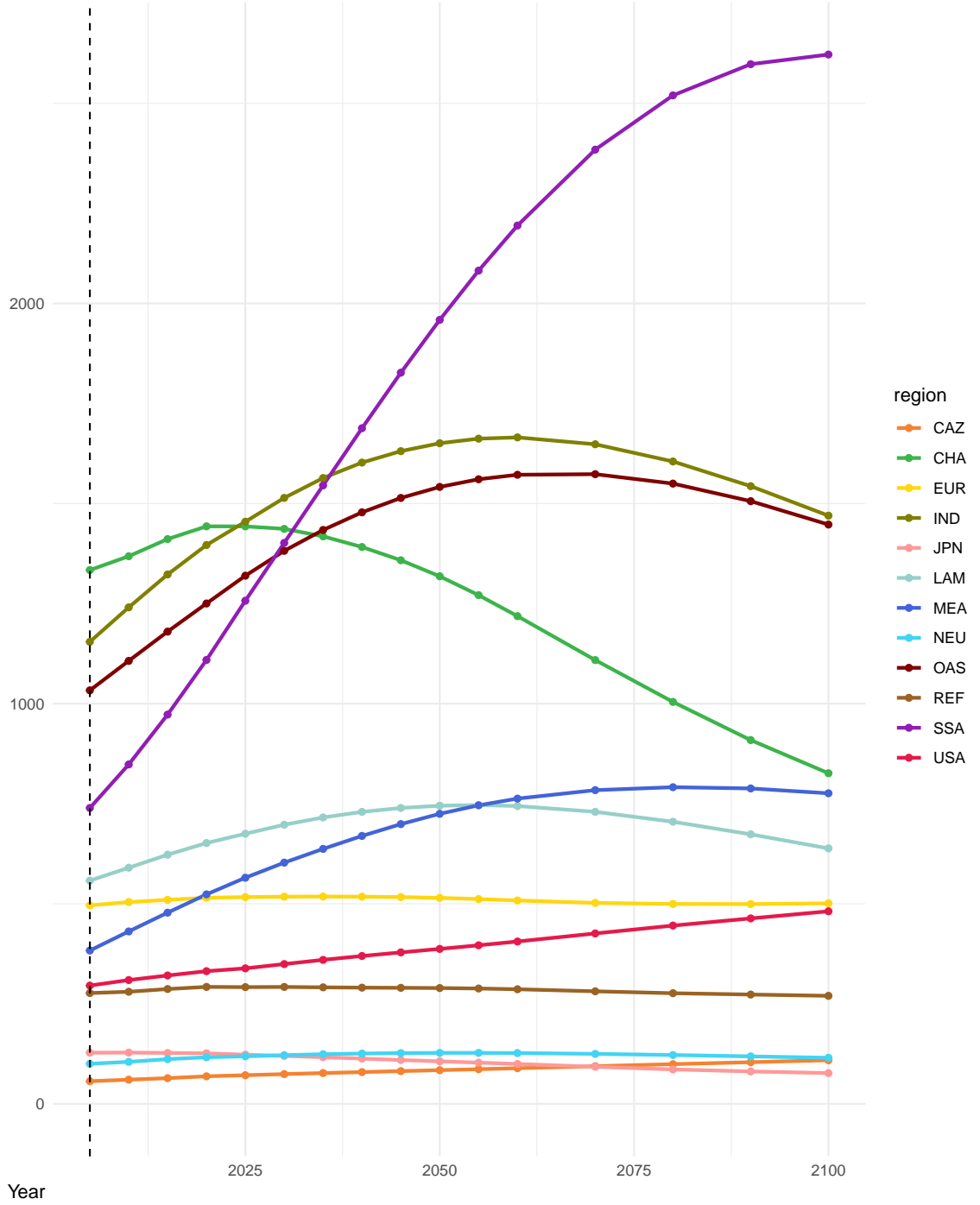




SSP2EU-NPi-calibrate

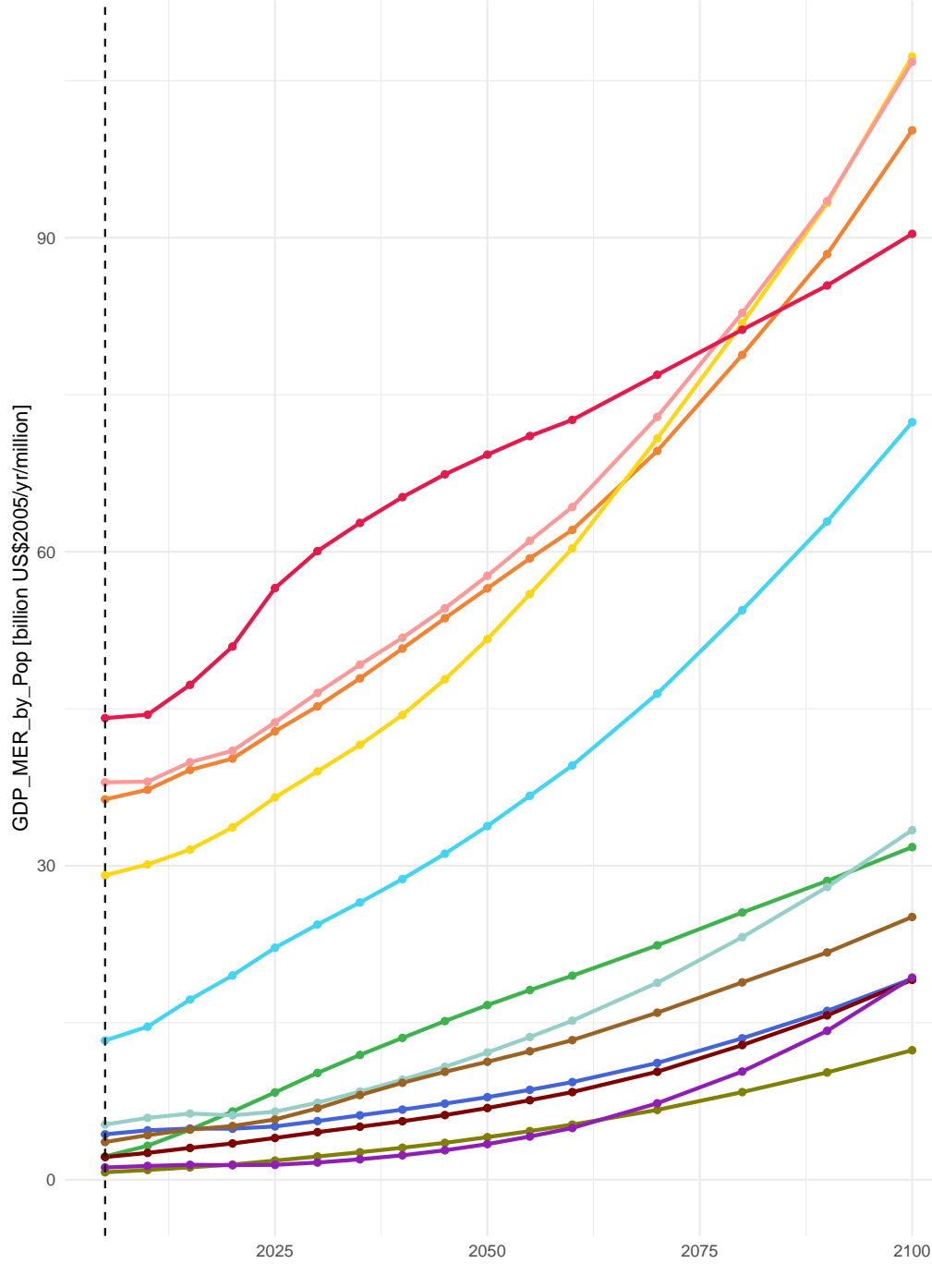


SSP2EU-NPi-calibrate-ETPfix

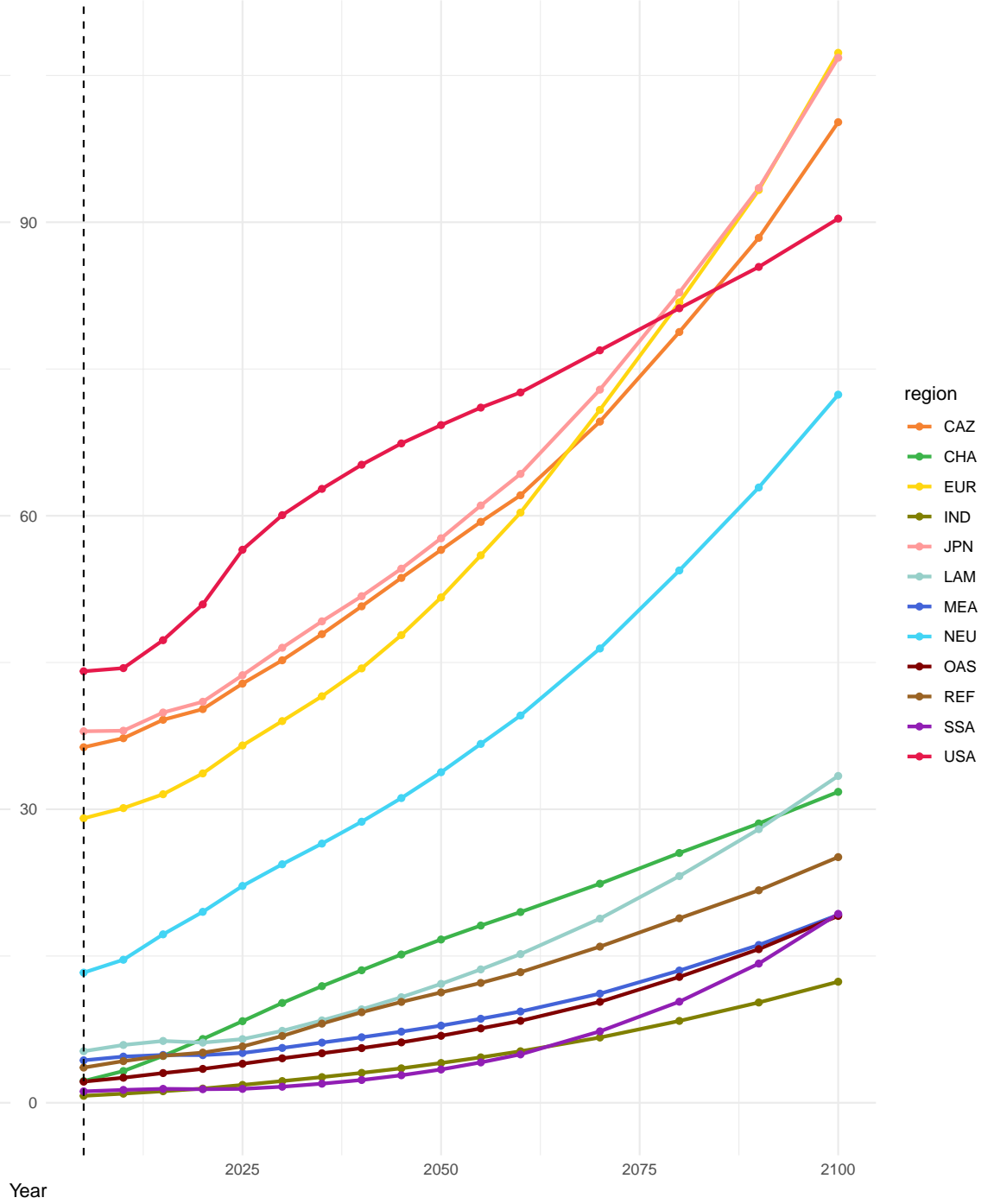


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- CAZ
- CHA
- EUR
- IND
- JPN
- LAM
- MEA
- NEU
- OAS
- REF
- SSA
- USA

SSP2EU-NPI-calibrate



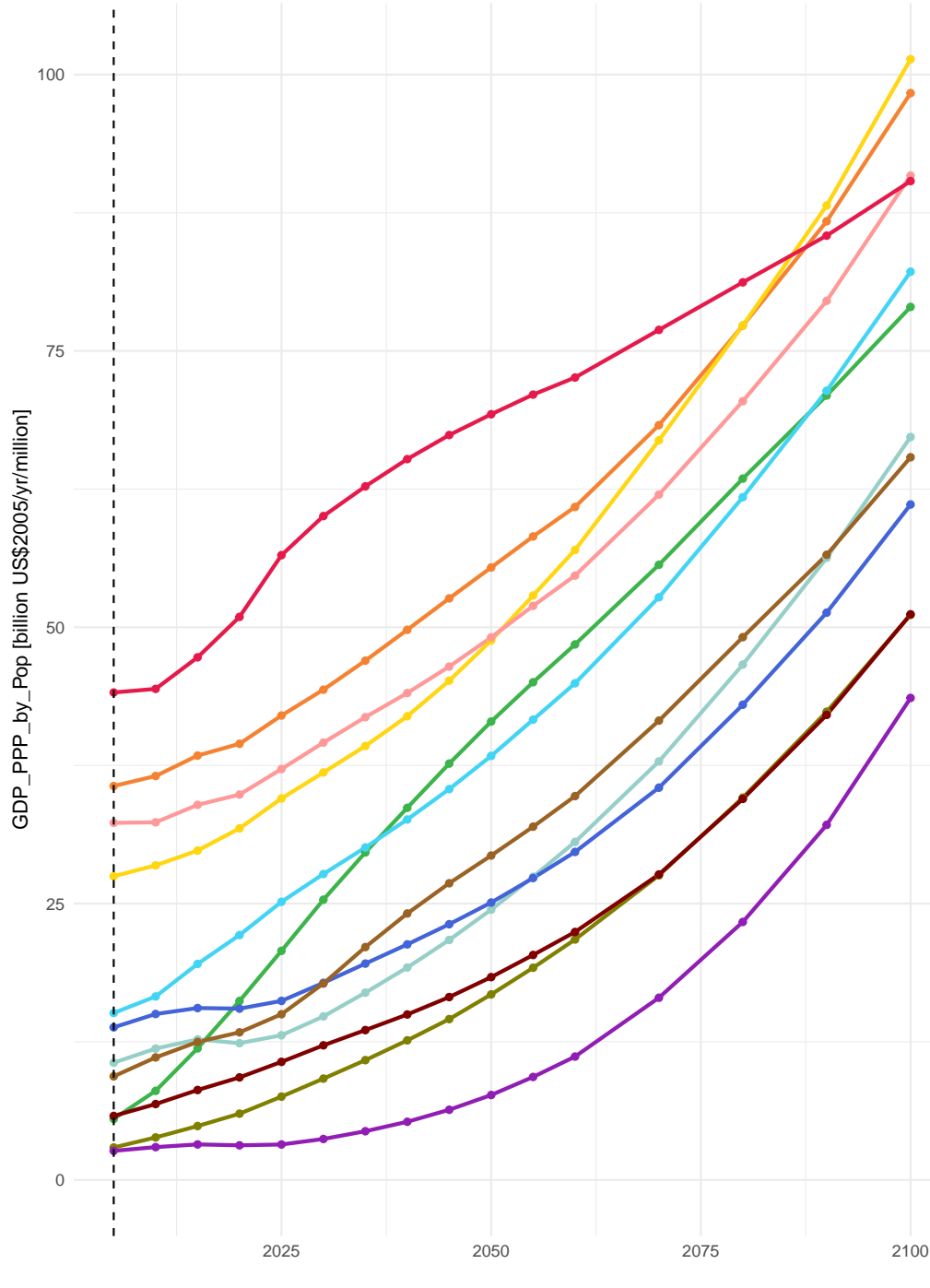
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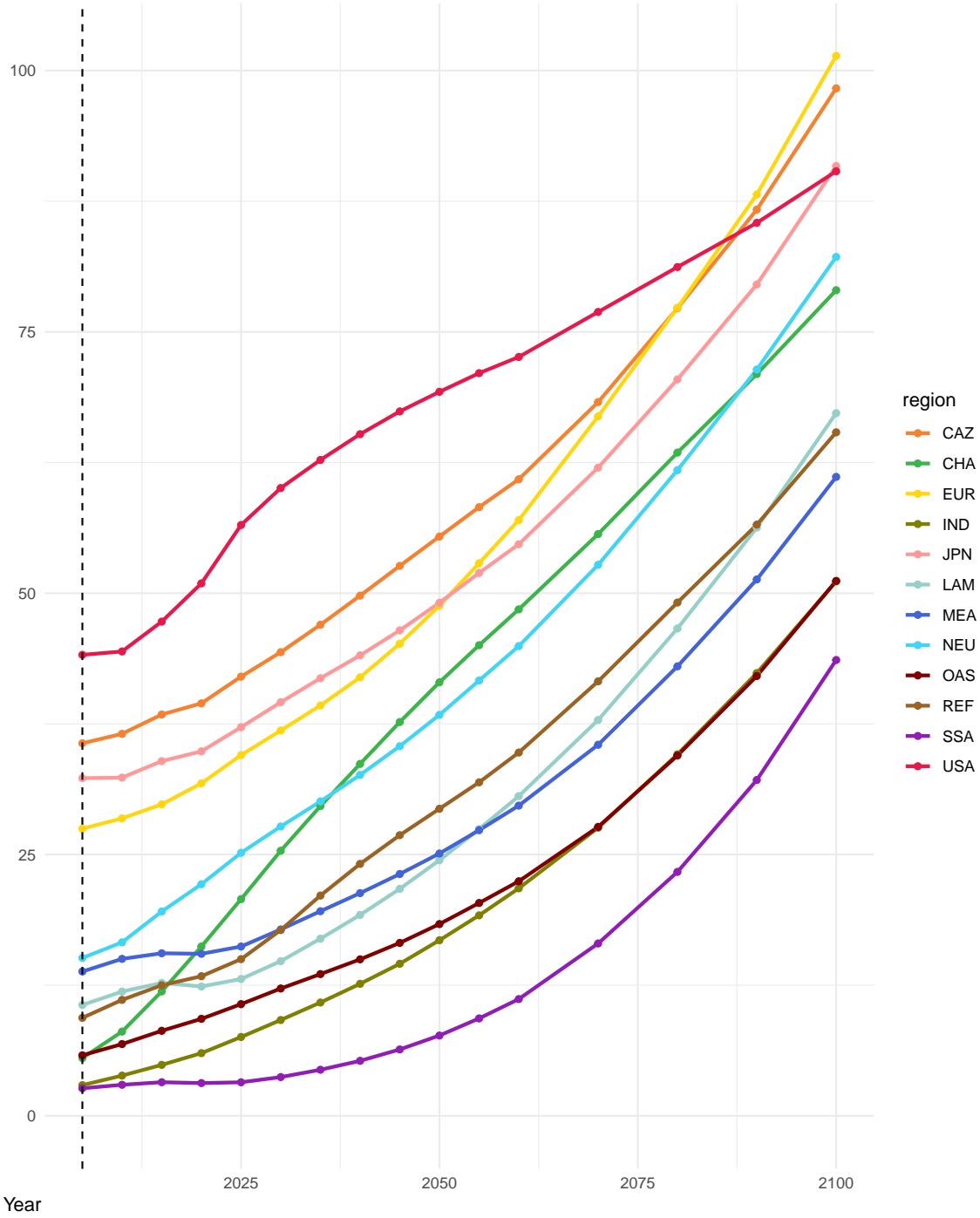
region

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SSP2EU-NPi-calibrate

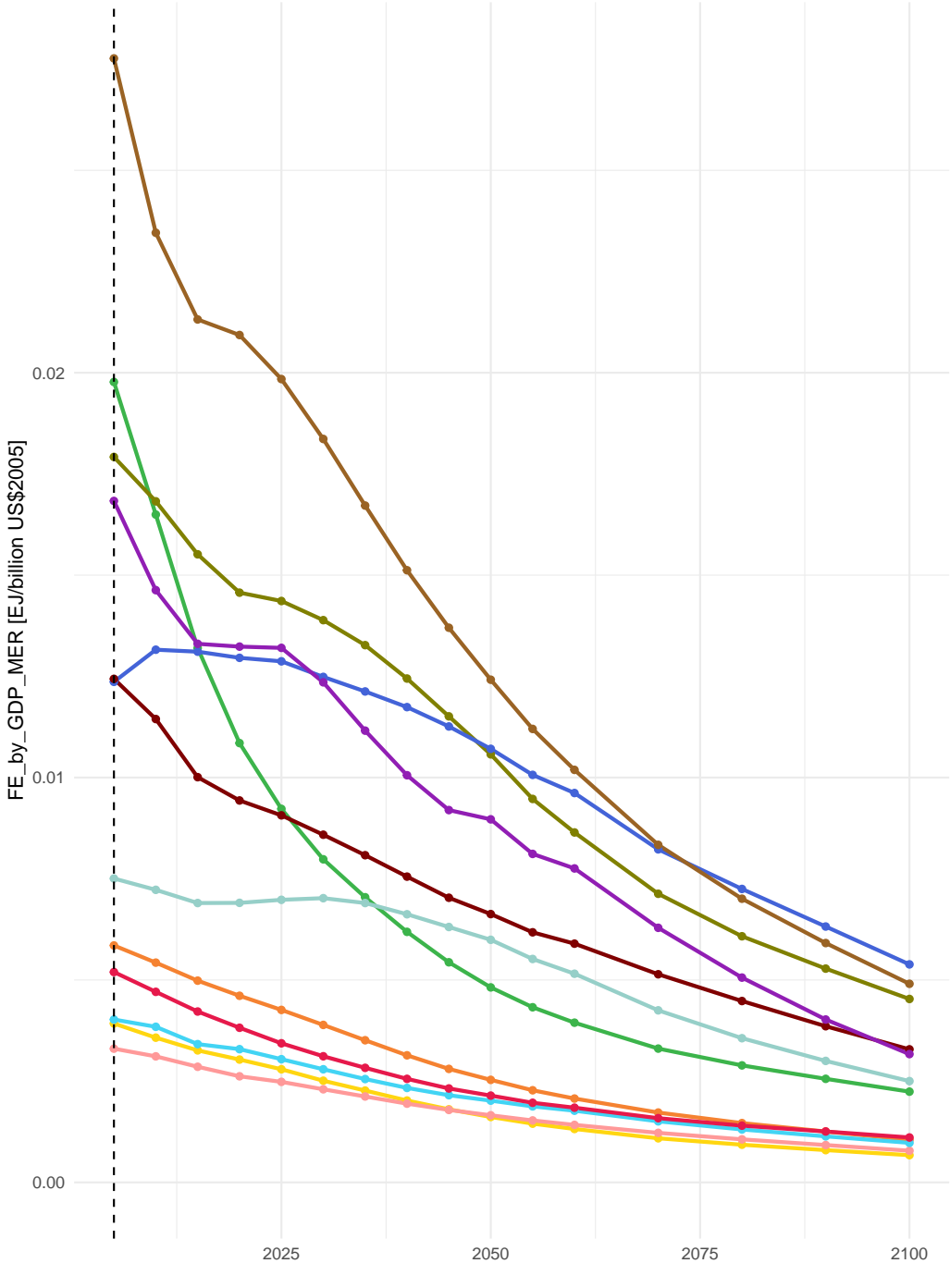


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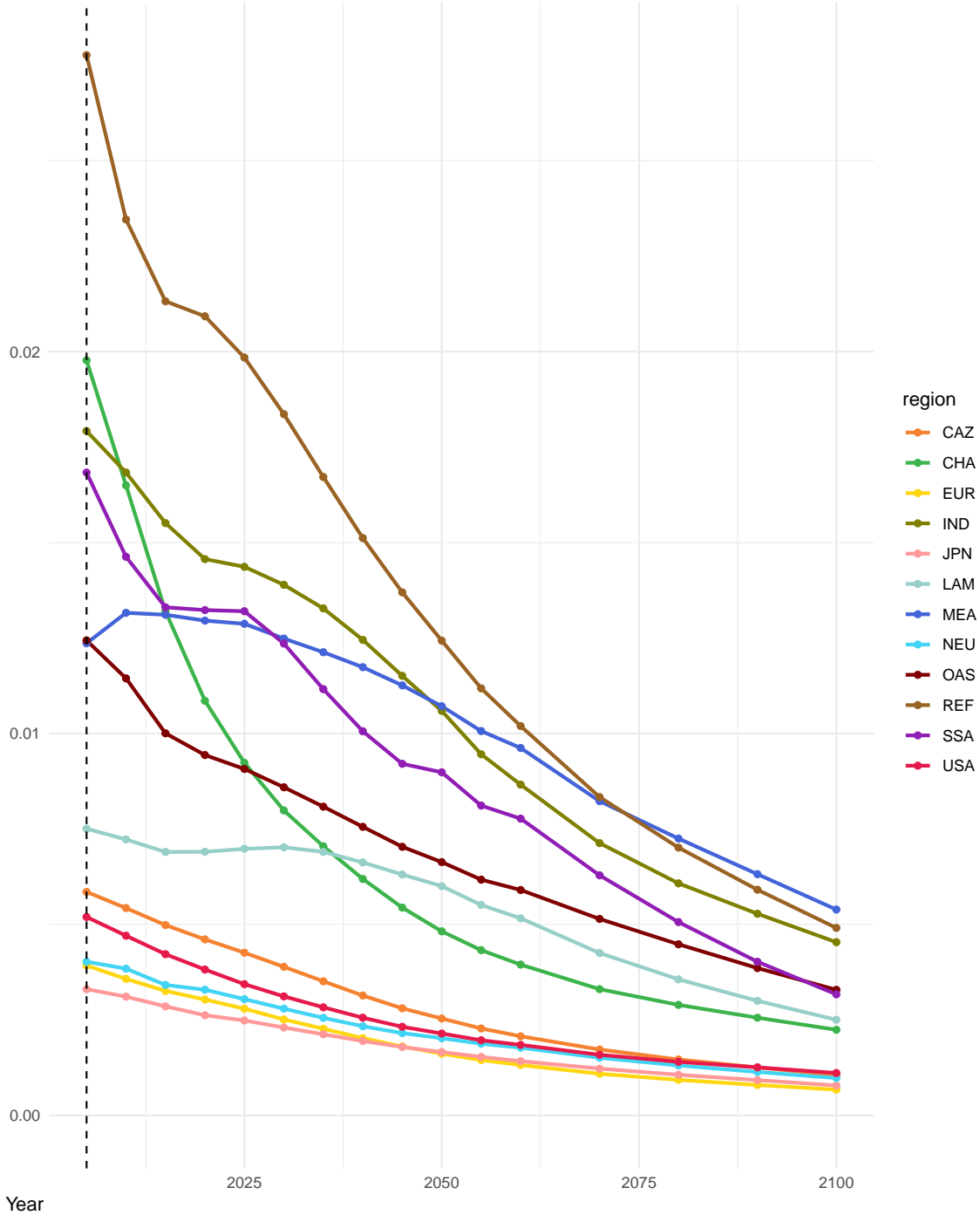


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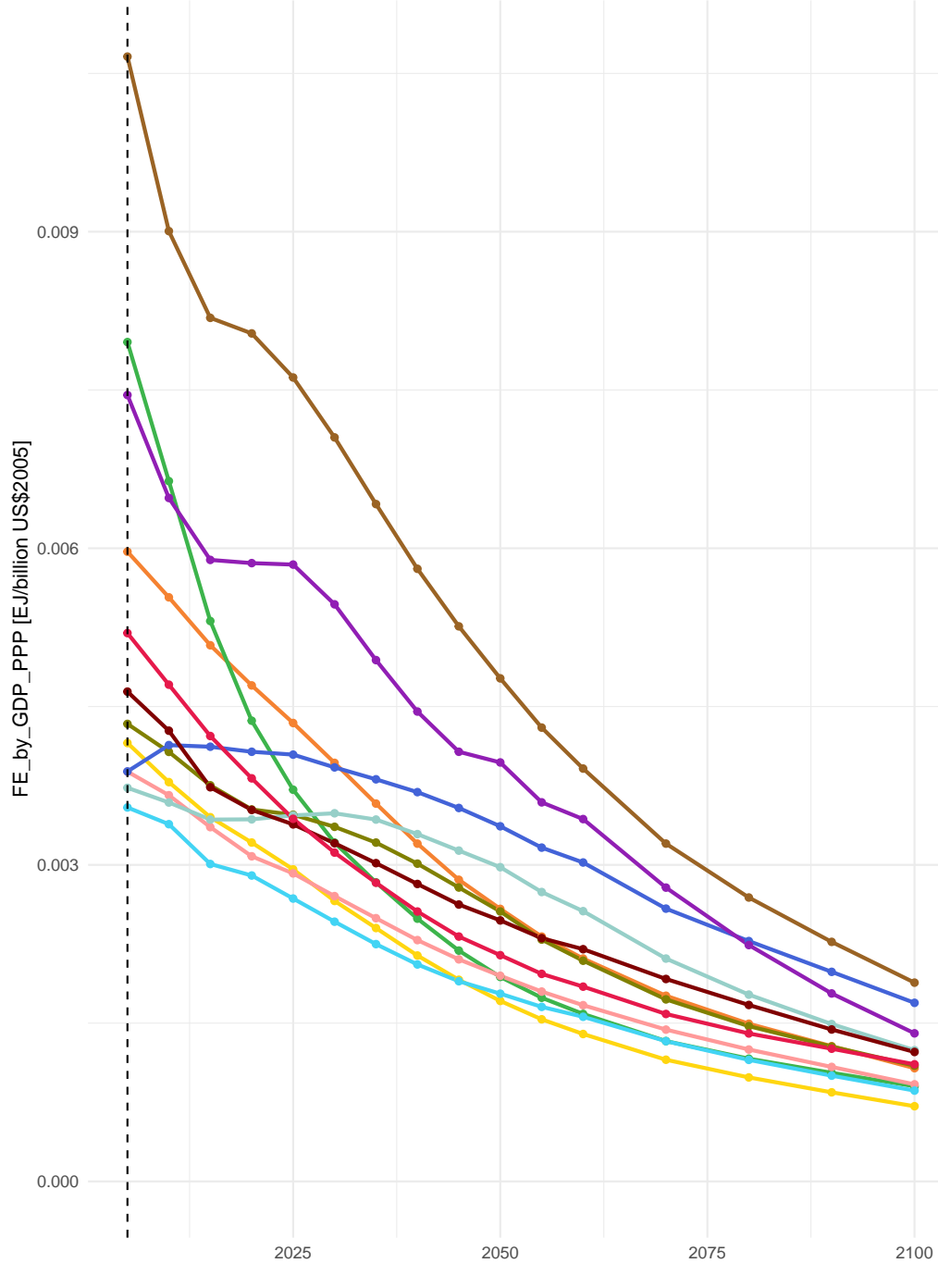


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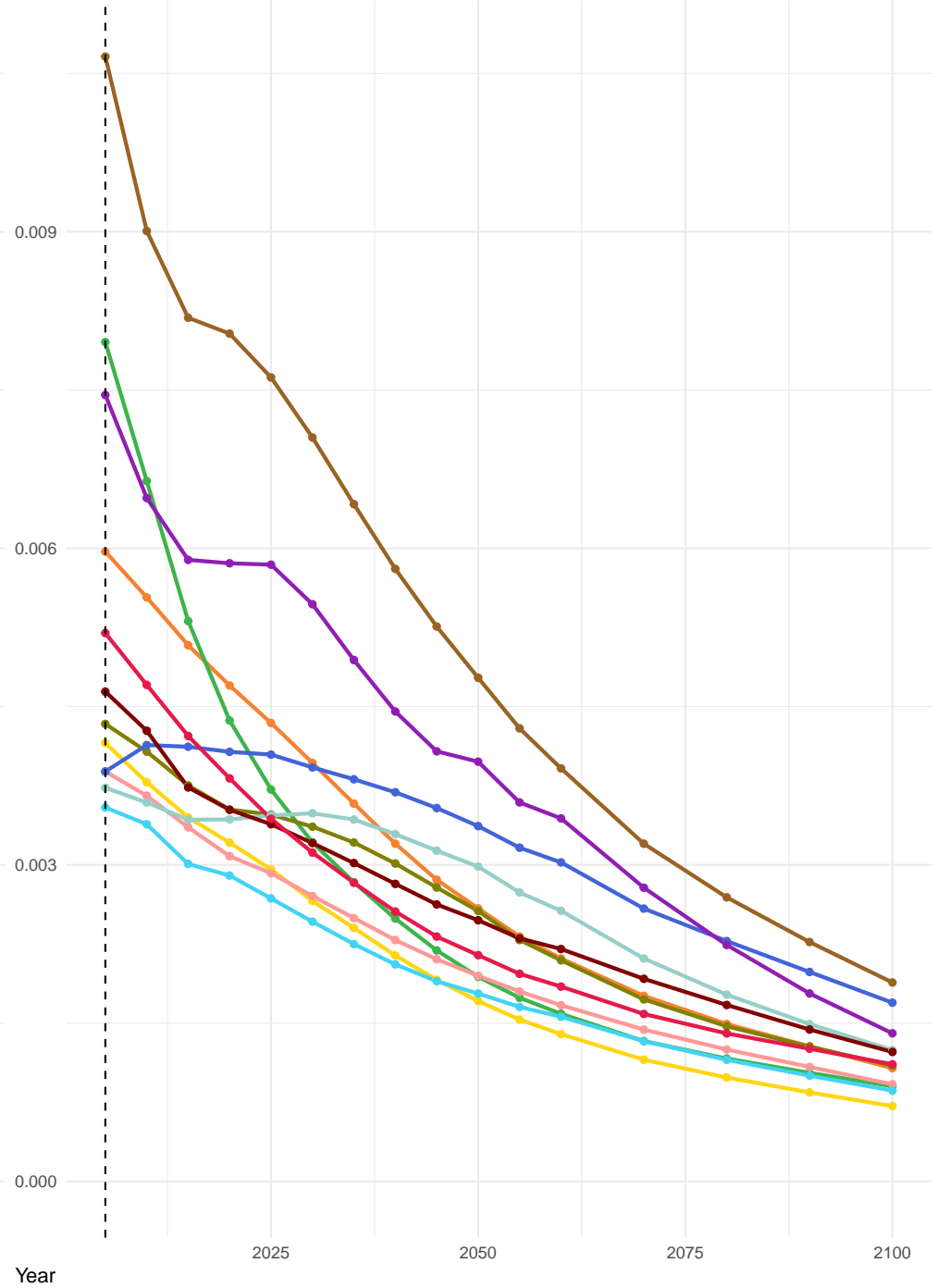


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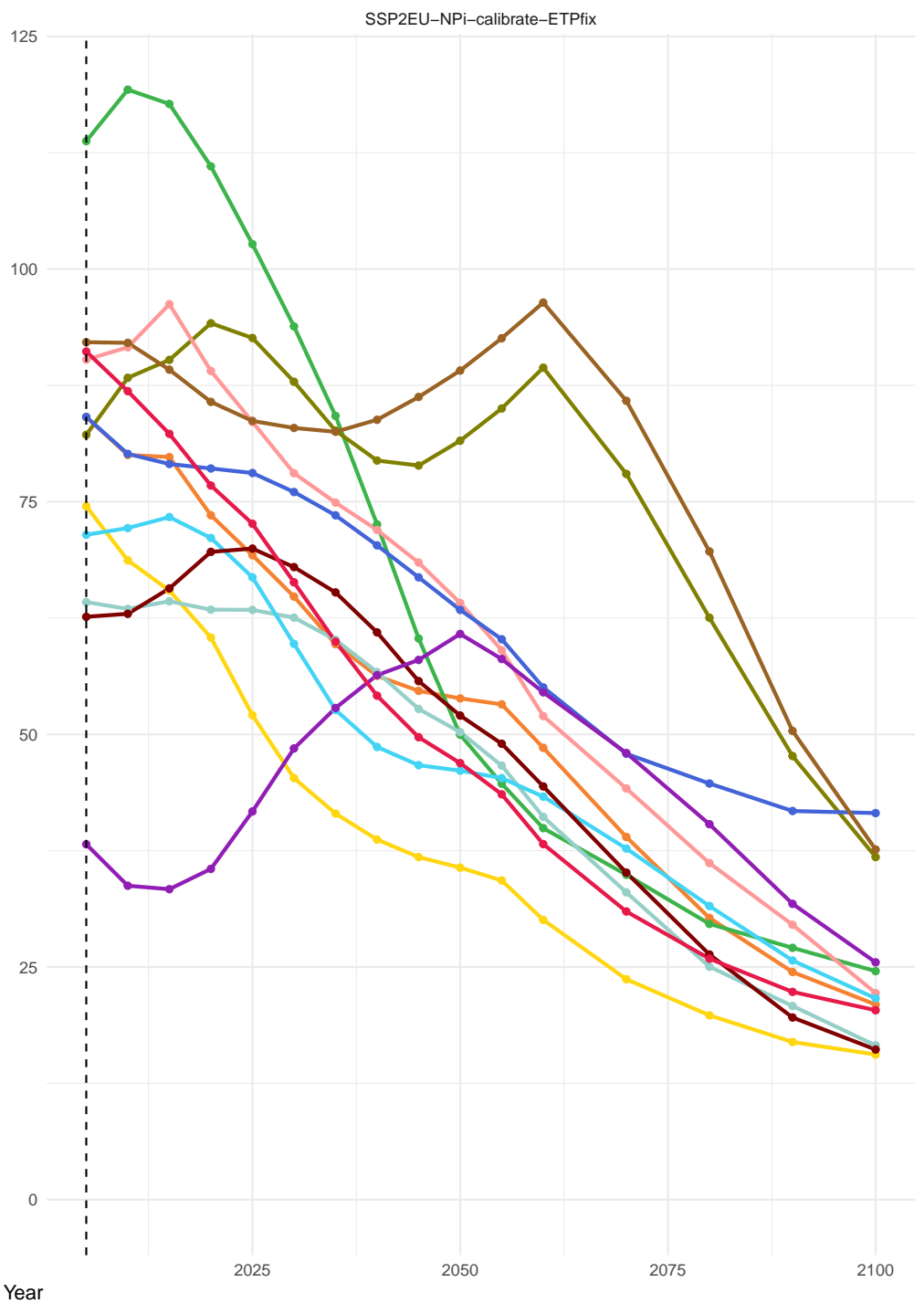
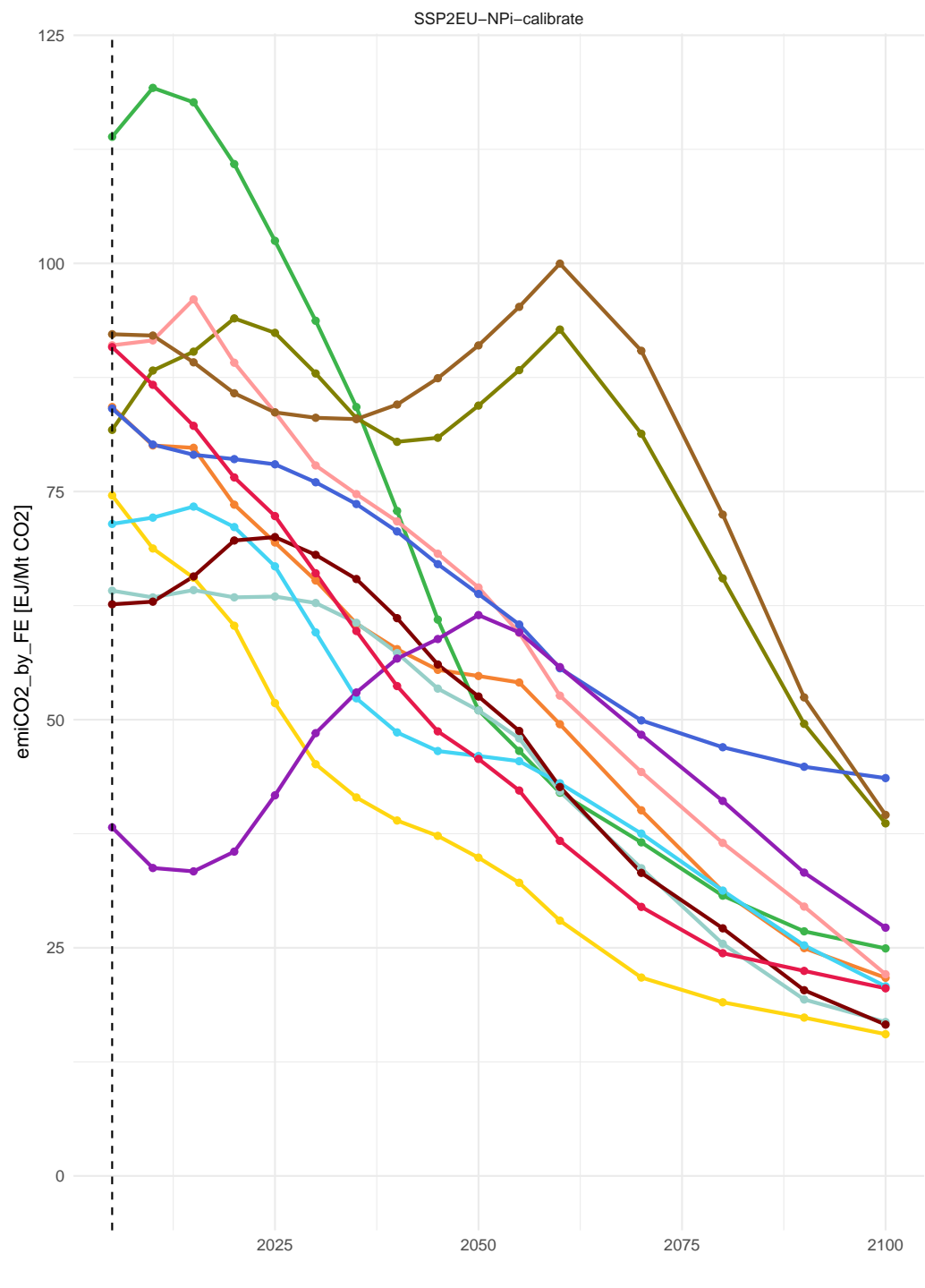


SSP2EU-NPi-calibrate-ETPfix



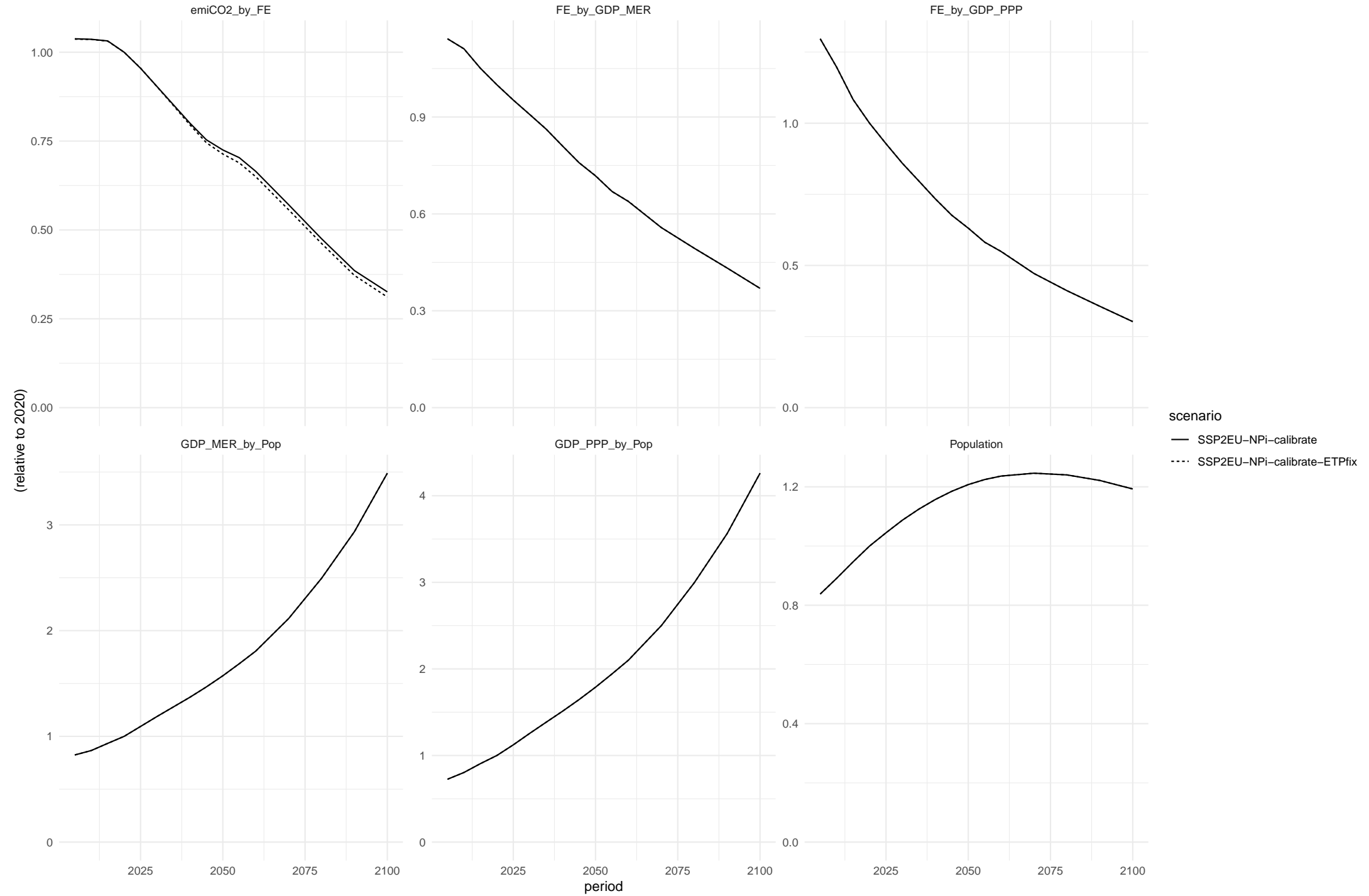
region

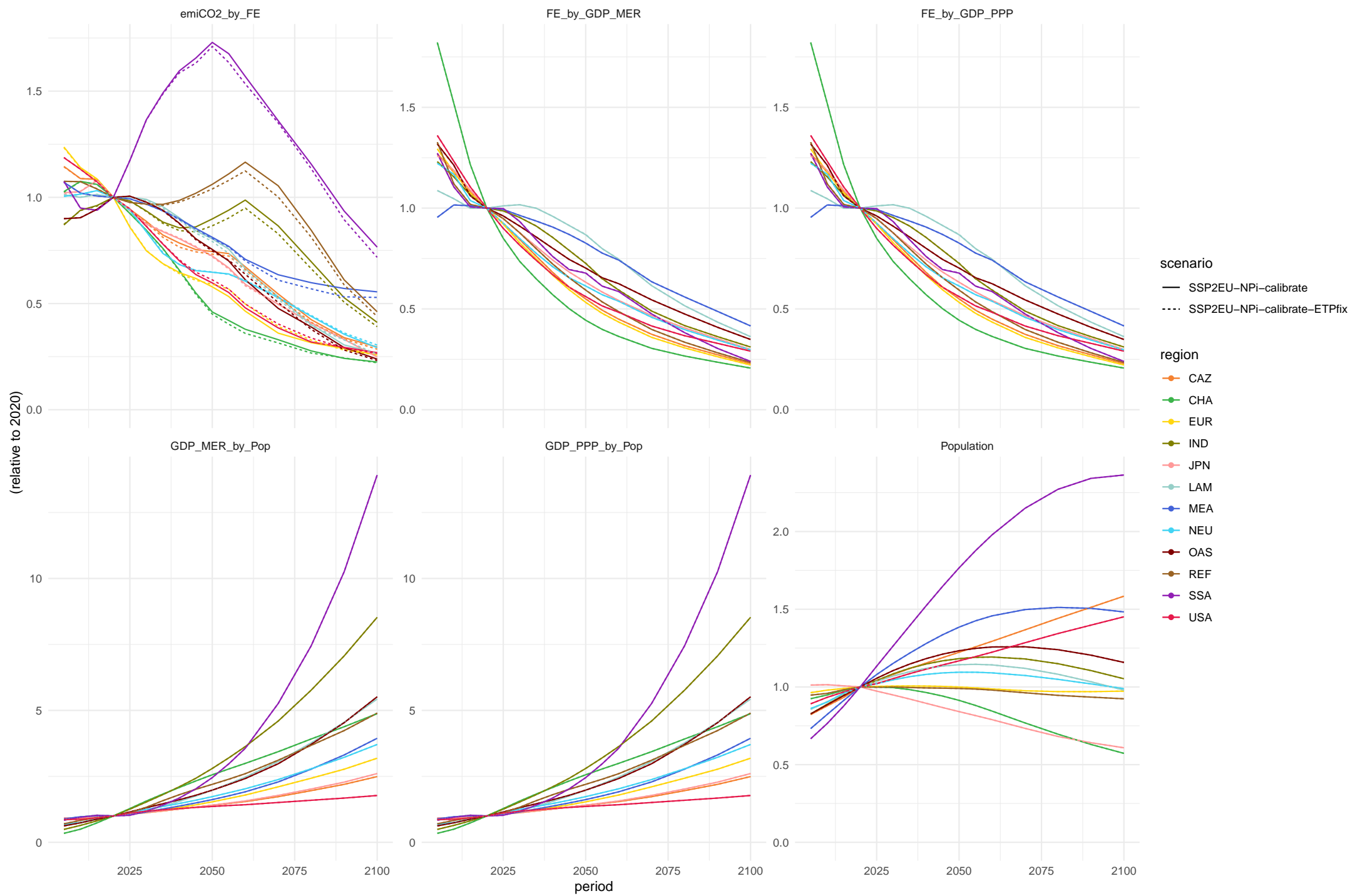
- CAZ
- CHA
- EUR
- IND
- JPN
- LAM
- MEU
- NEU
- OAS
- REF
- SSA
- USA



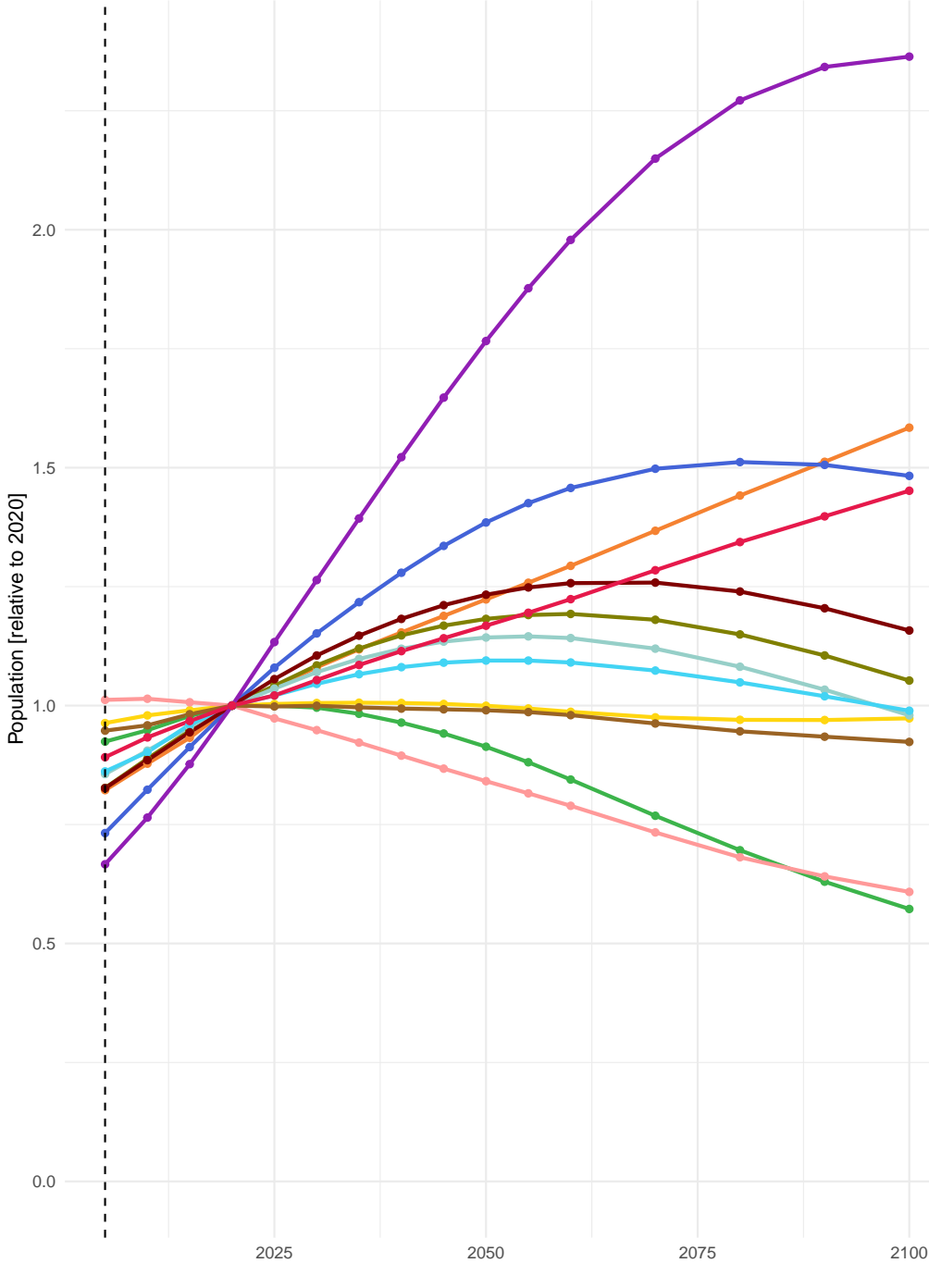
- region
- CAZ
 - CHA
 - EUR
 - IND
 - JPN
 - LAM
 - MEA
 - NEU
 - OAS
 - REF
 - SSA
 - USA

2.15.2 Relative to 2020

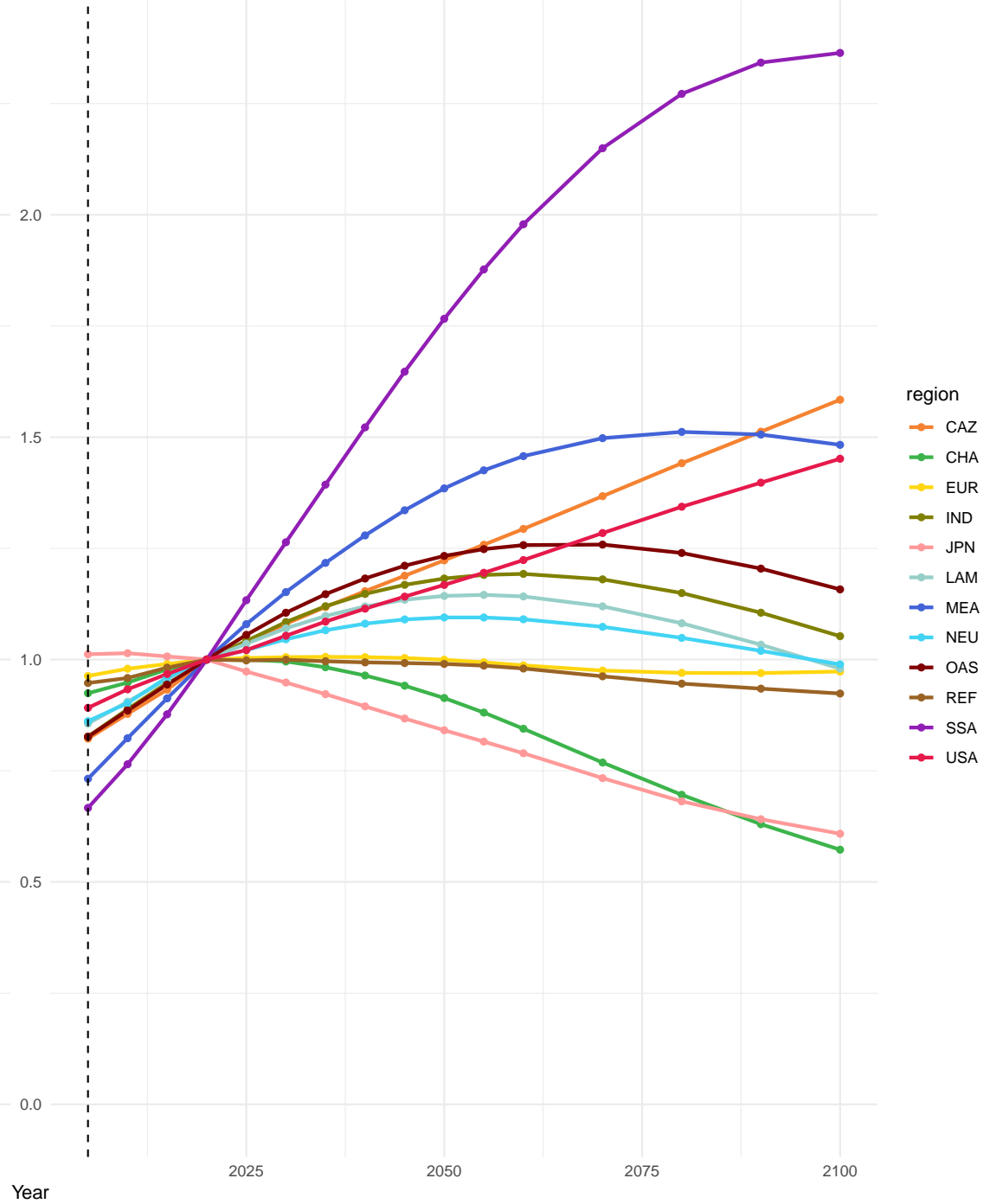




SSP2EU-NPi-calibrate



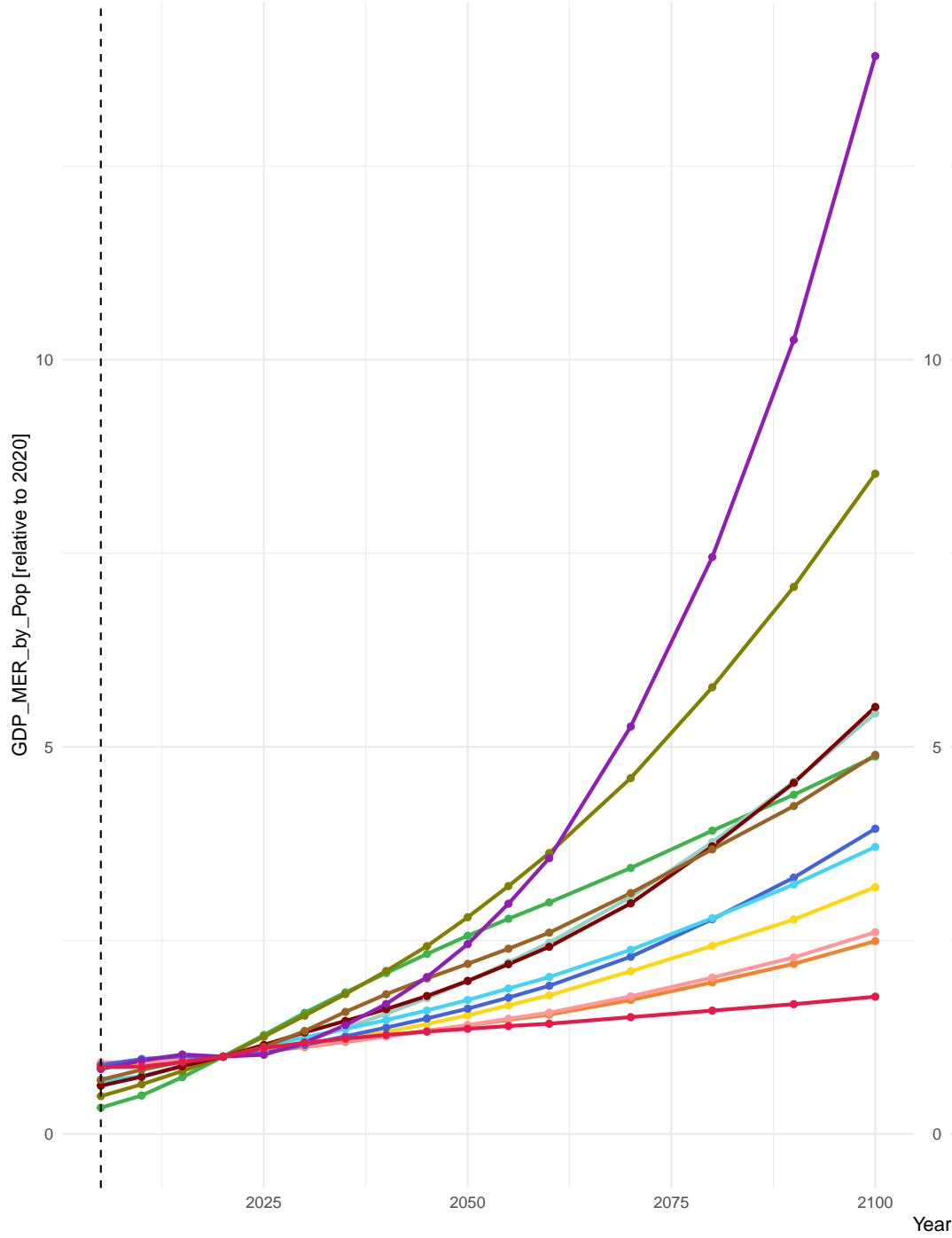
SSP2EU-NPi-calibrate-ETPfix



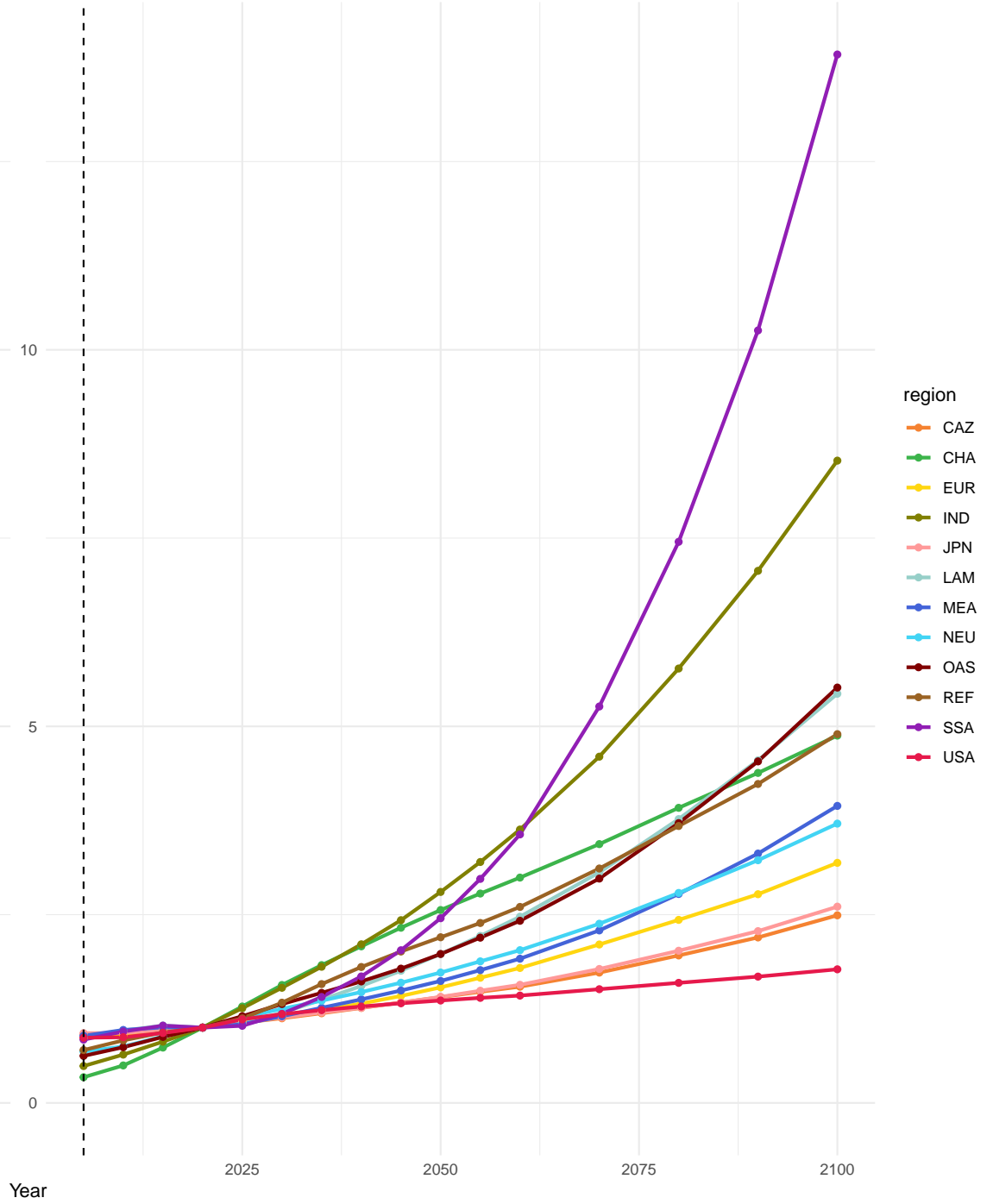
region

- CAZ
- CHA
- EUR
- IND
- JPN
- LAM
- MEA
- NEU
- OAS
- REF
- SSA
- USA

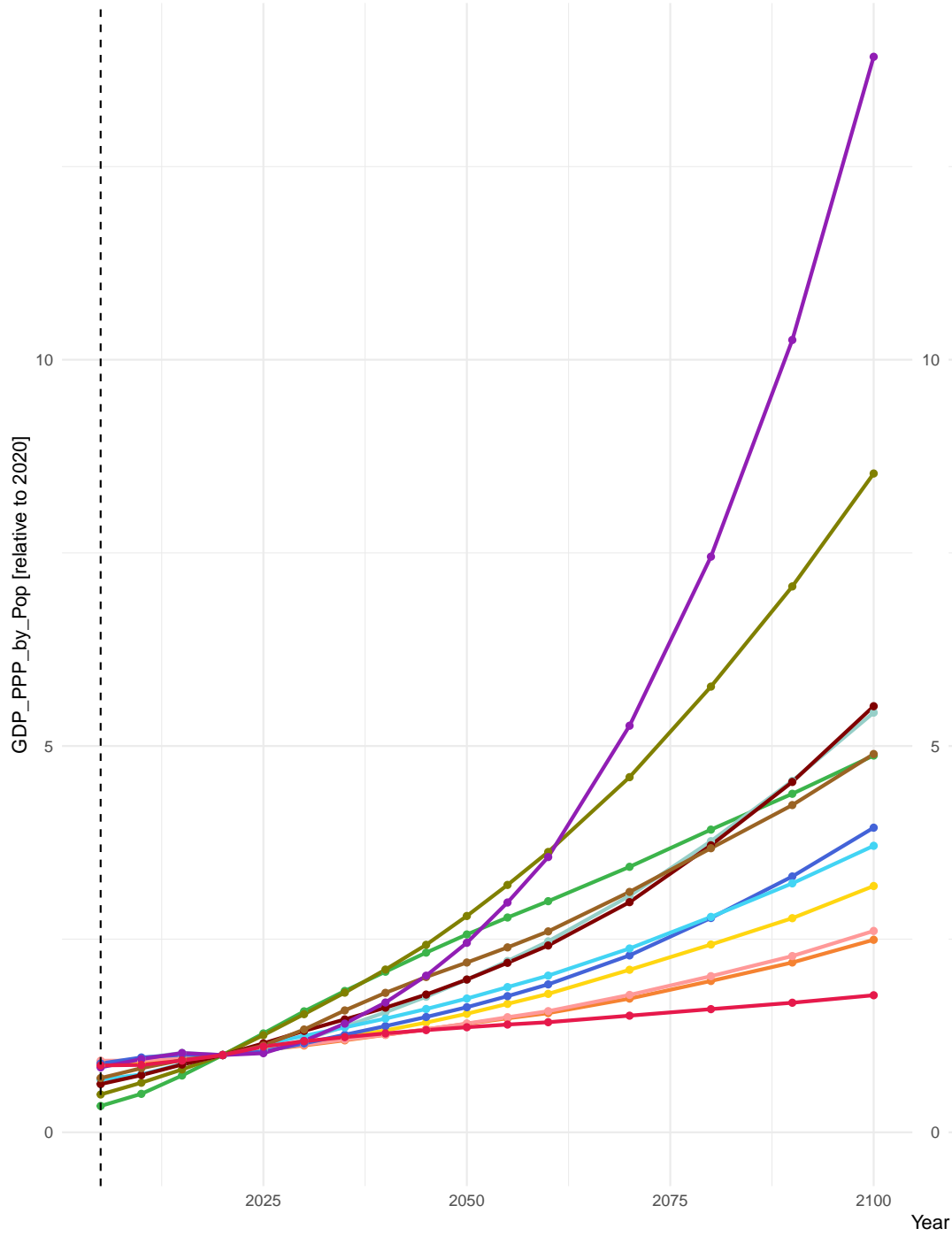
SSP2EU-NPi-calibrate



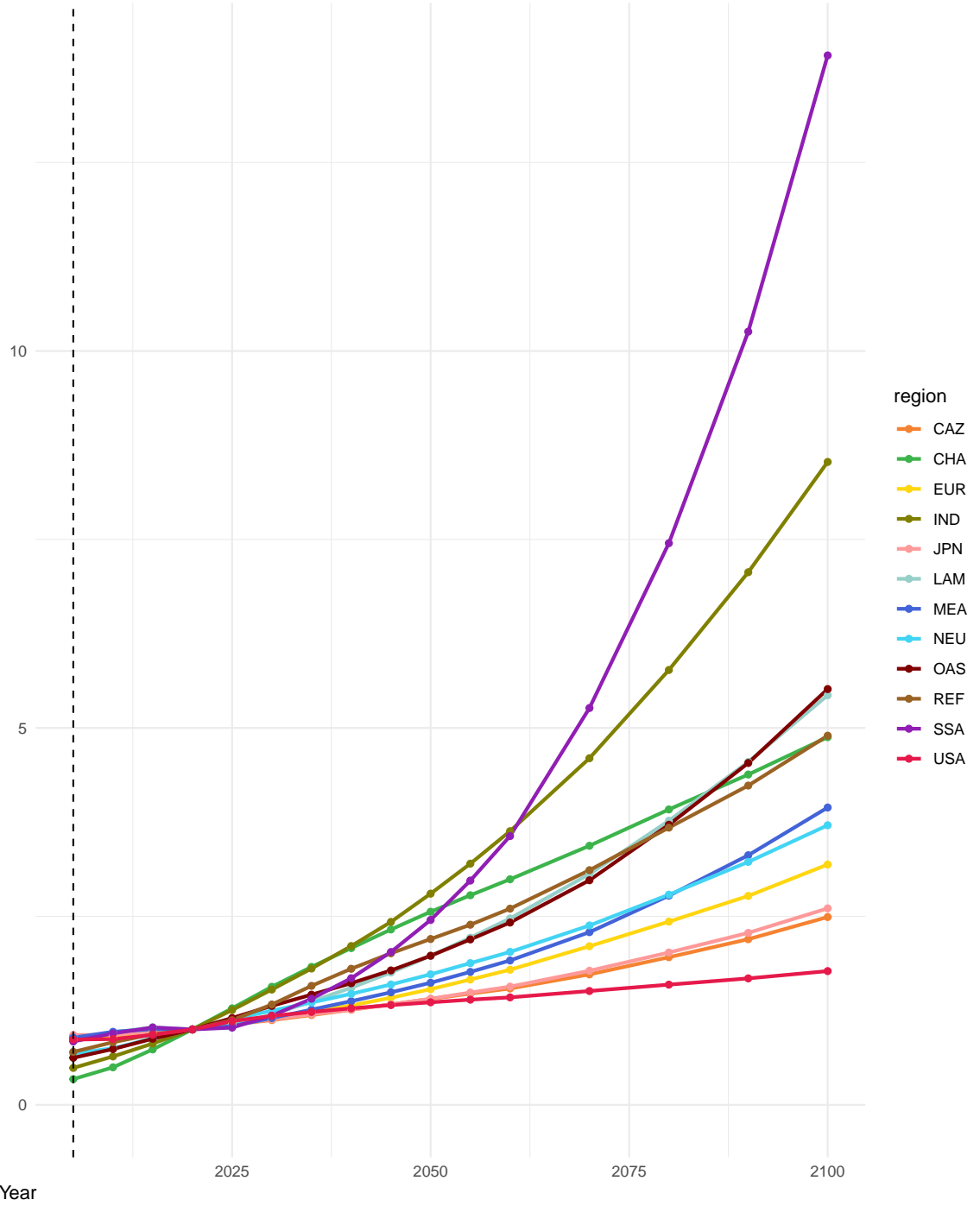
SSP2EU-NPi-calibrate-ETPfix



SSP2EU-NPi-calibrate



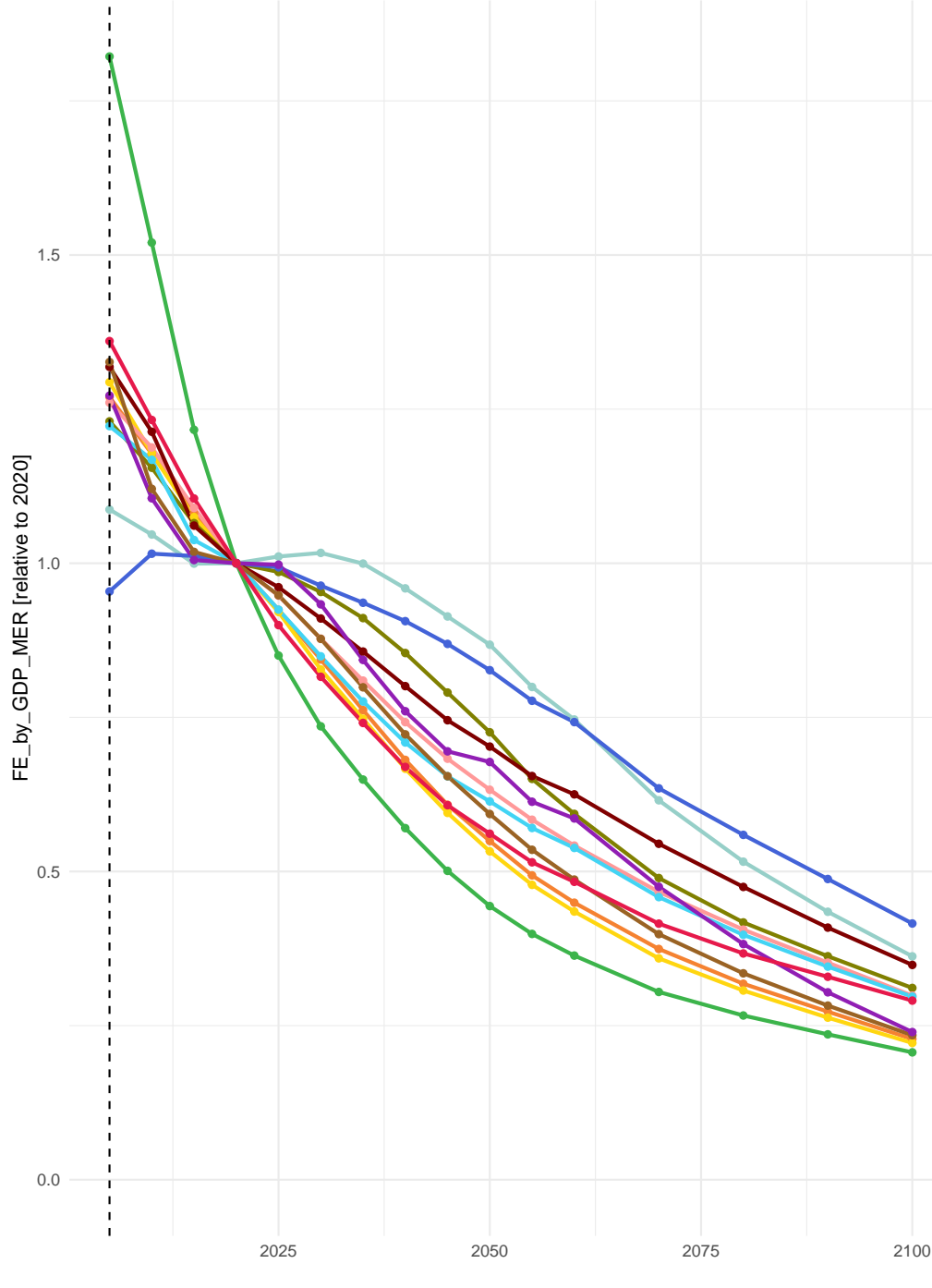
SSP2EU-NPi-calibrate-ETPfix



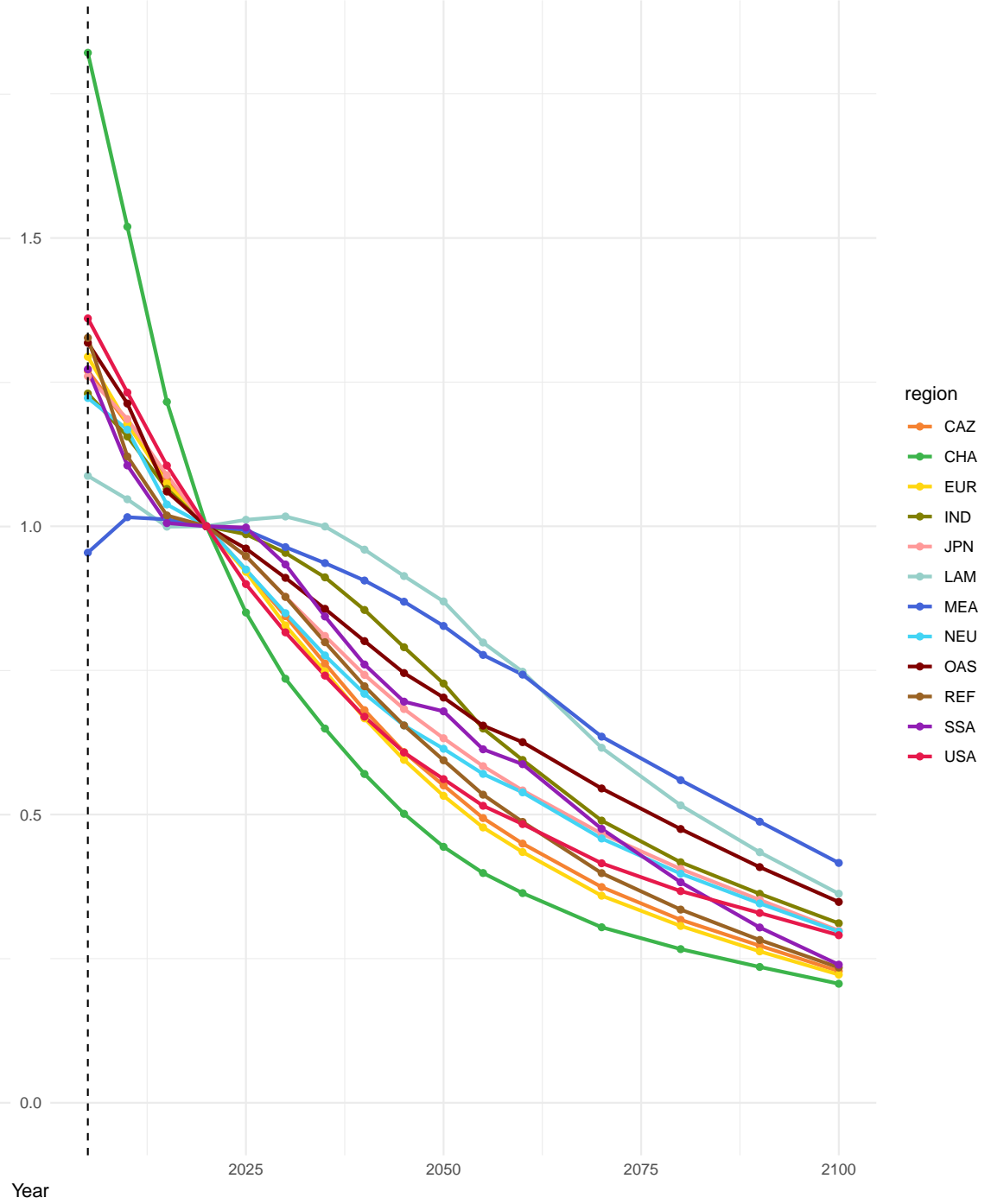
region

- CAZ
- CHA
- EUR
- IND
- JPN
- LAM
- MEA
- NEU
- OAS
- REF
- SSA
- USA

SSP2EU-NPI-calibrate



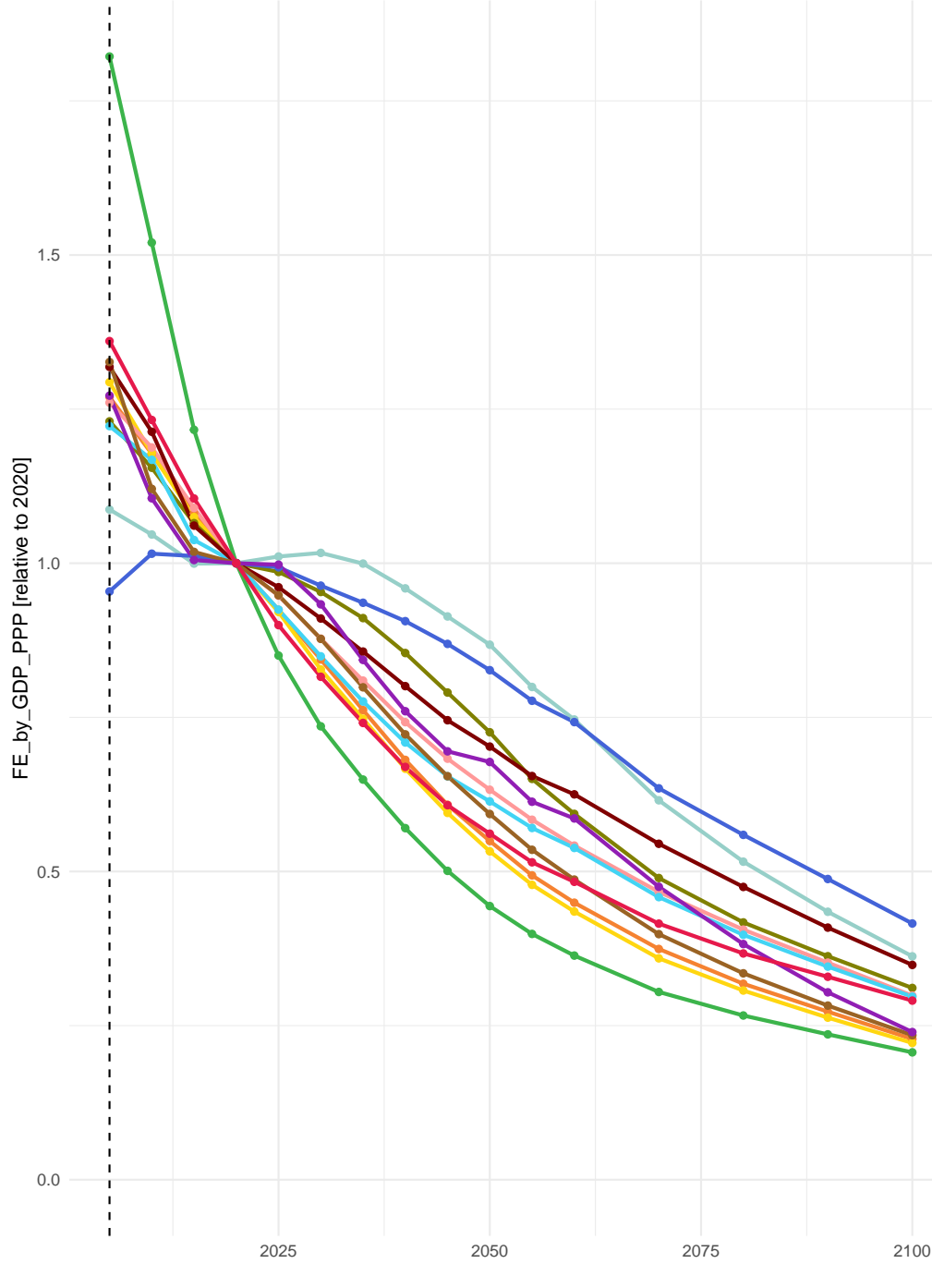
SSP2EU-NPi-calibrate-ETPfix



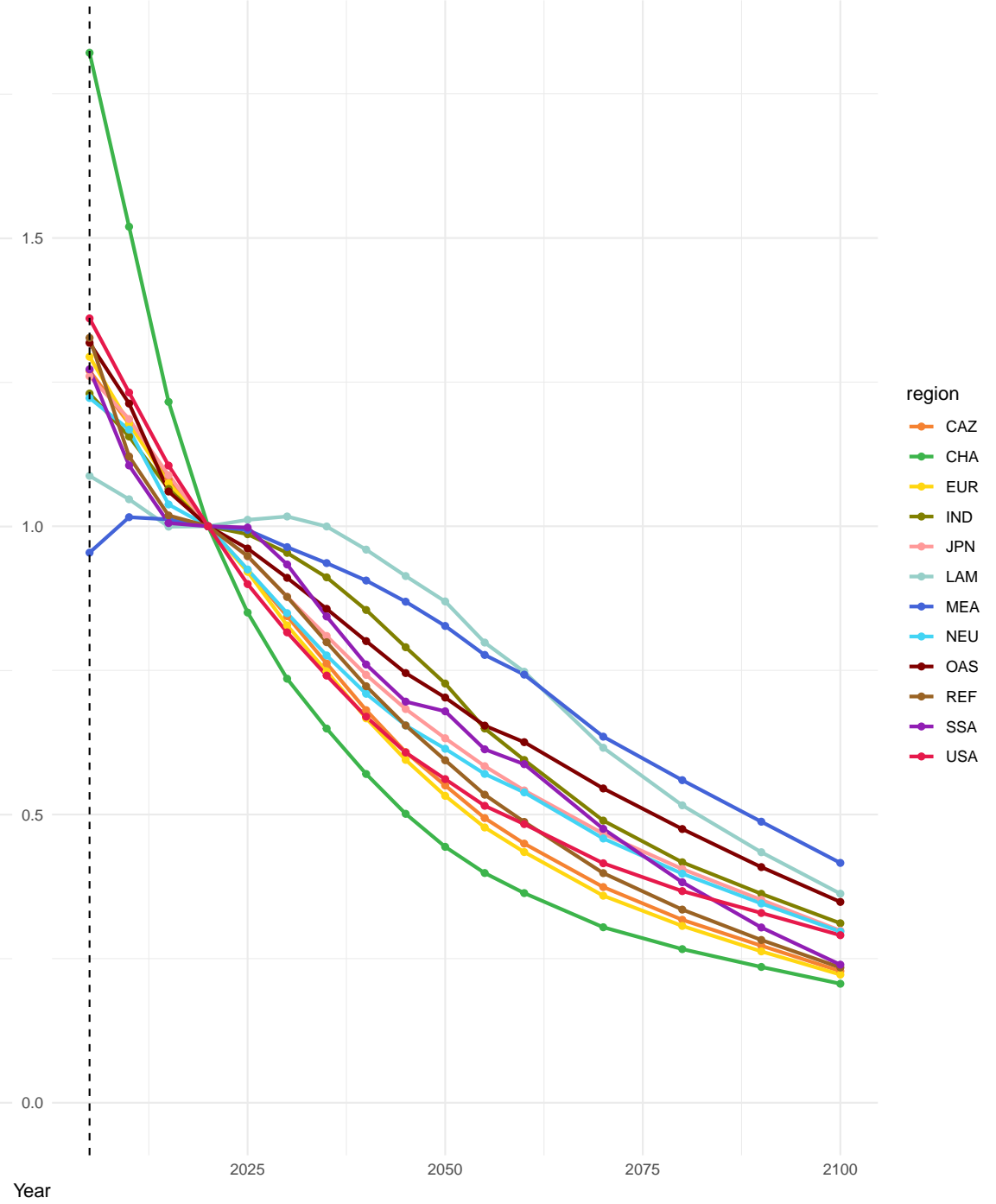
region

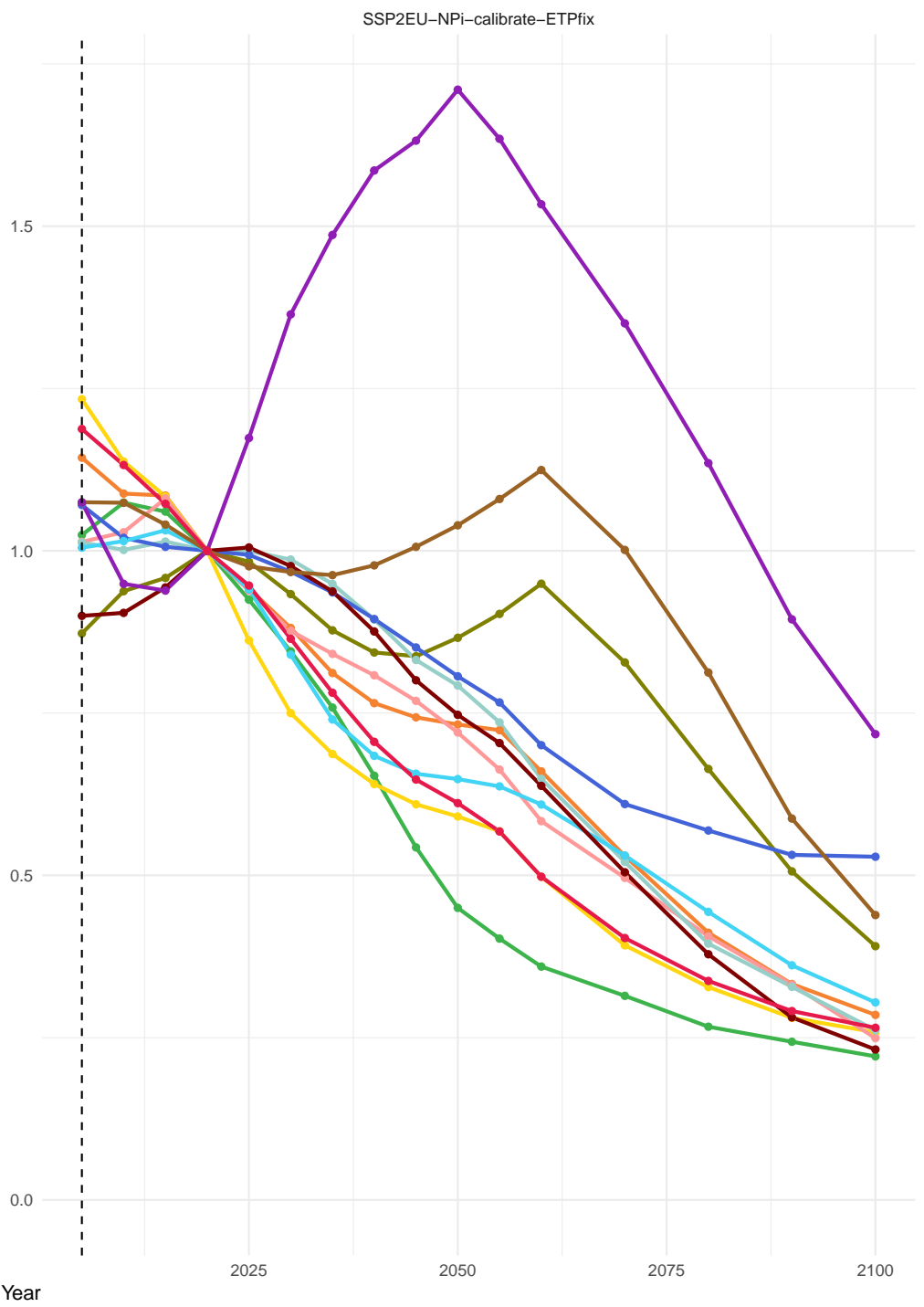
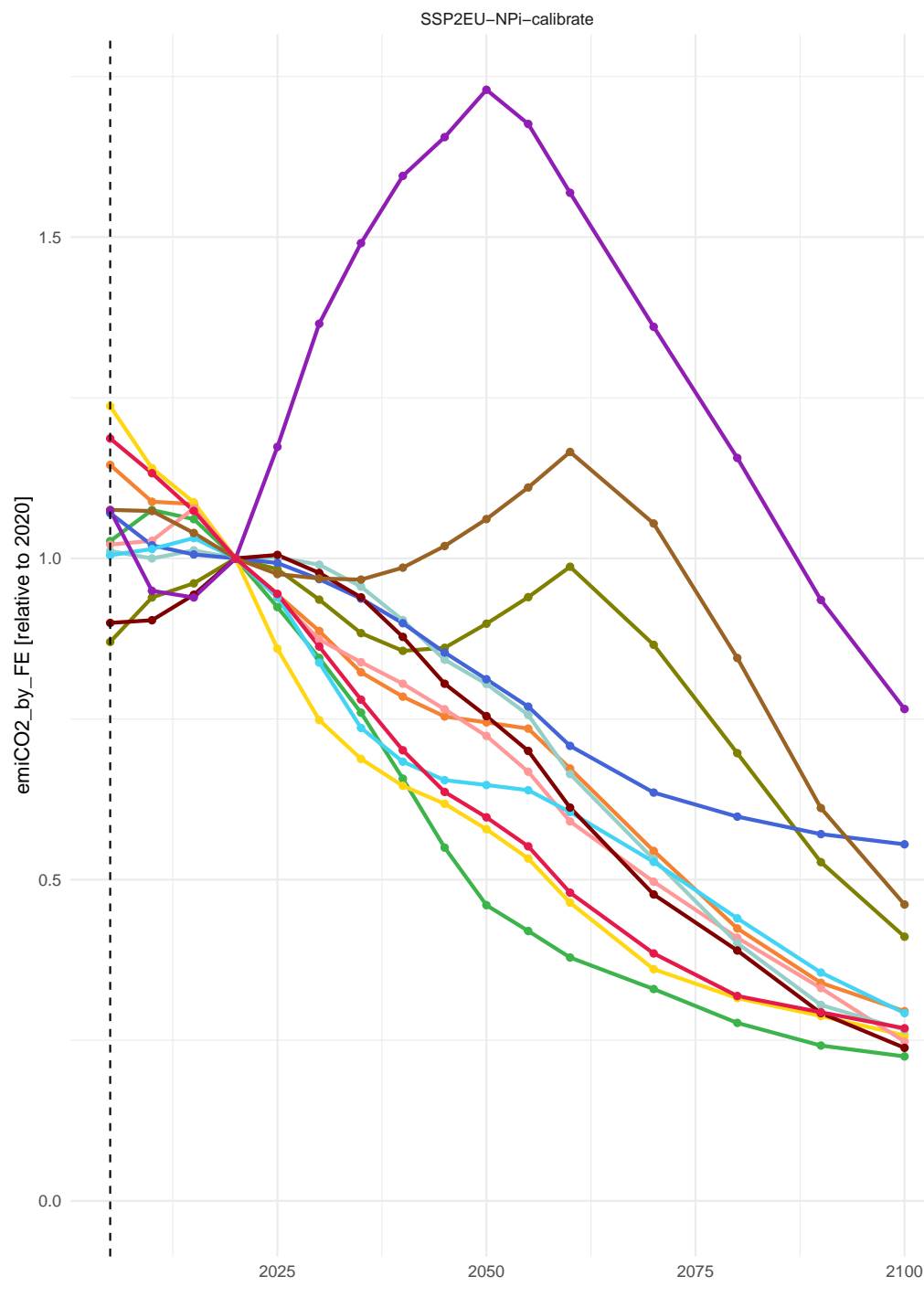
- CAZ
- CHA
- EUR
- IND
- JPN
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- MEA
- NEU
- OAS
- REF
- SSA
- USA

SSP2EU-NPI-calibrate



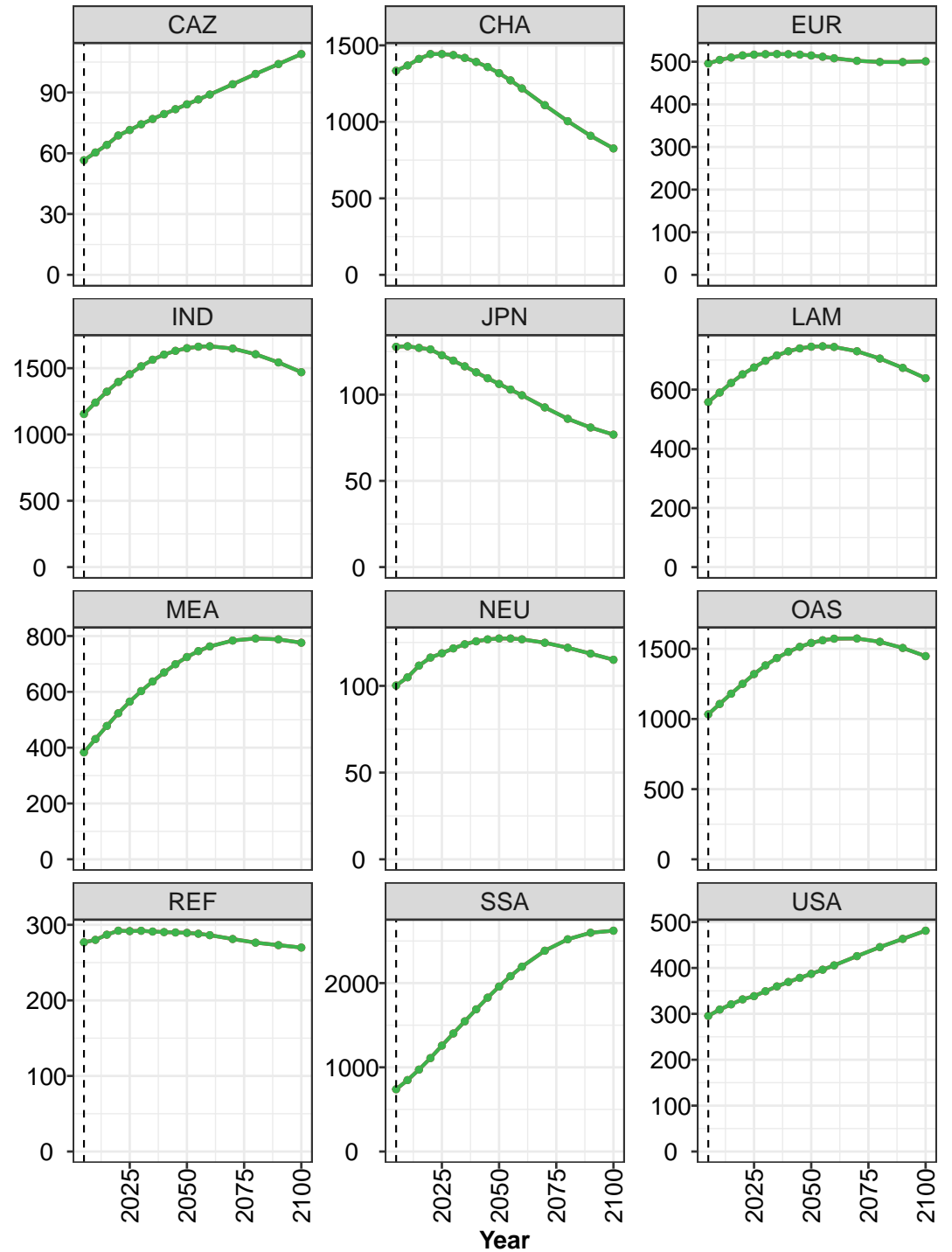
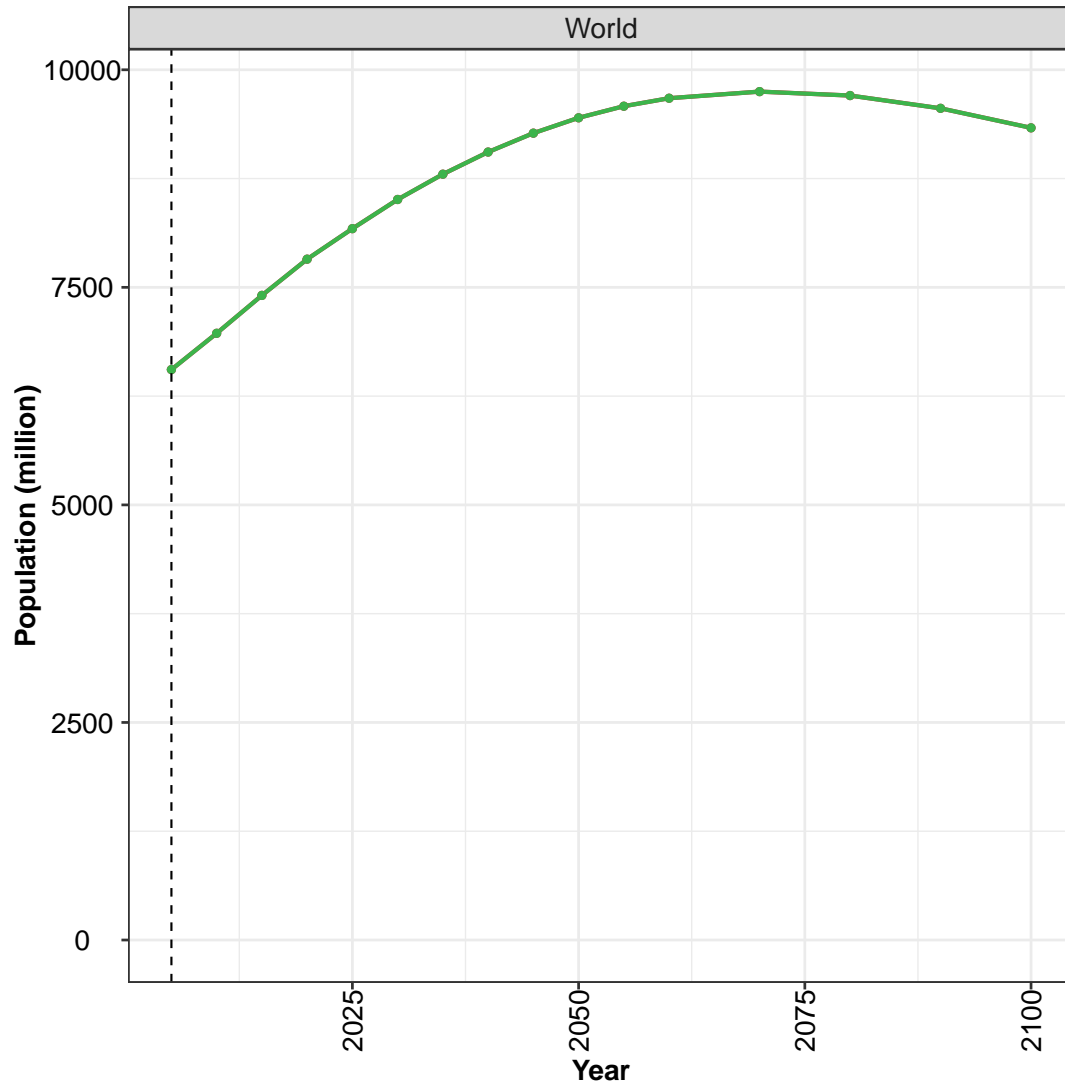
SSP2EU-NPi-calibrate-ETPfix





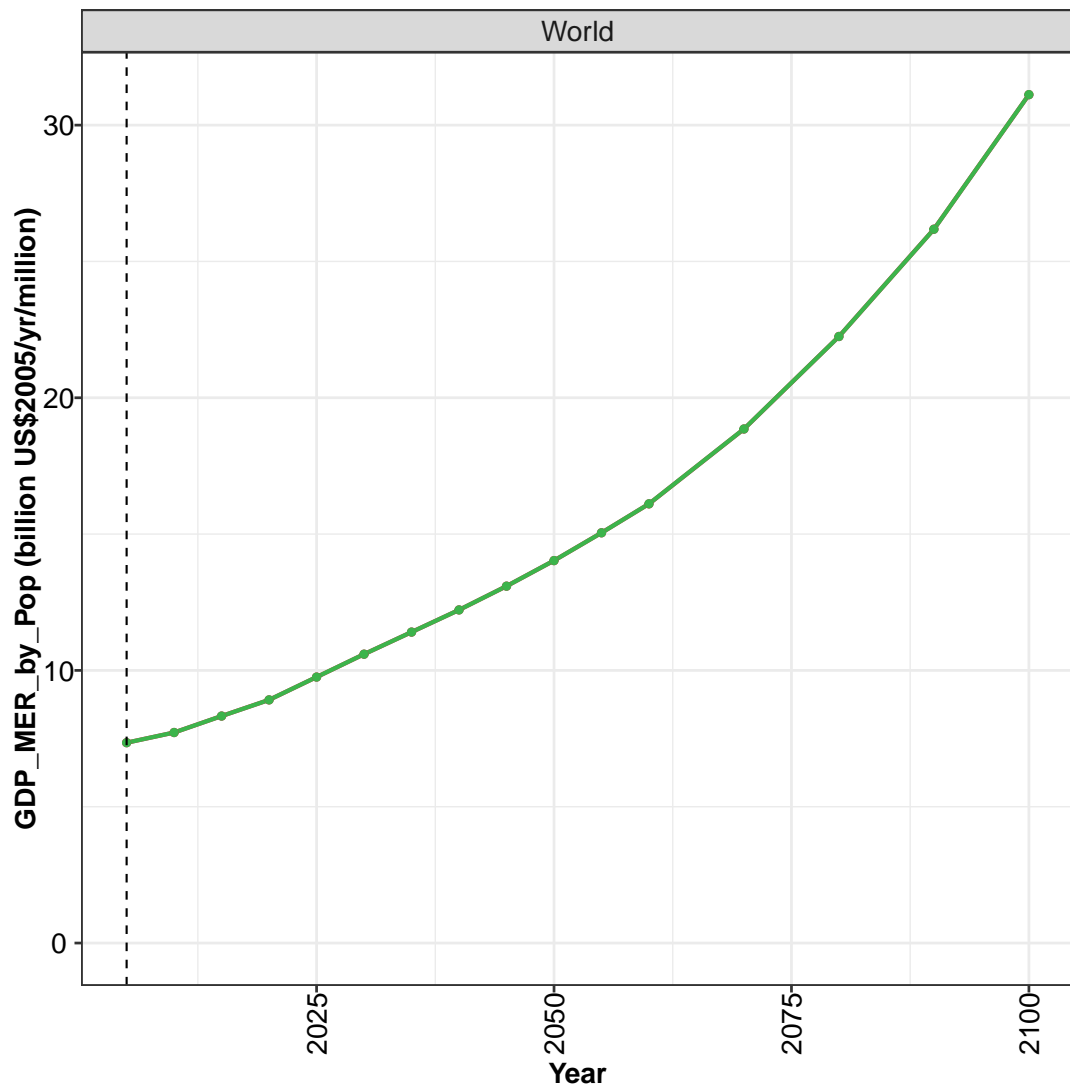
- region
- CAZ
 - CHA
 - EUR
 - IND
 - JPN
 - LAM
 - MEA
 - NEU
 - OAS
 - REF
 - SSA
 - USA

2.15.3 Components



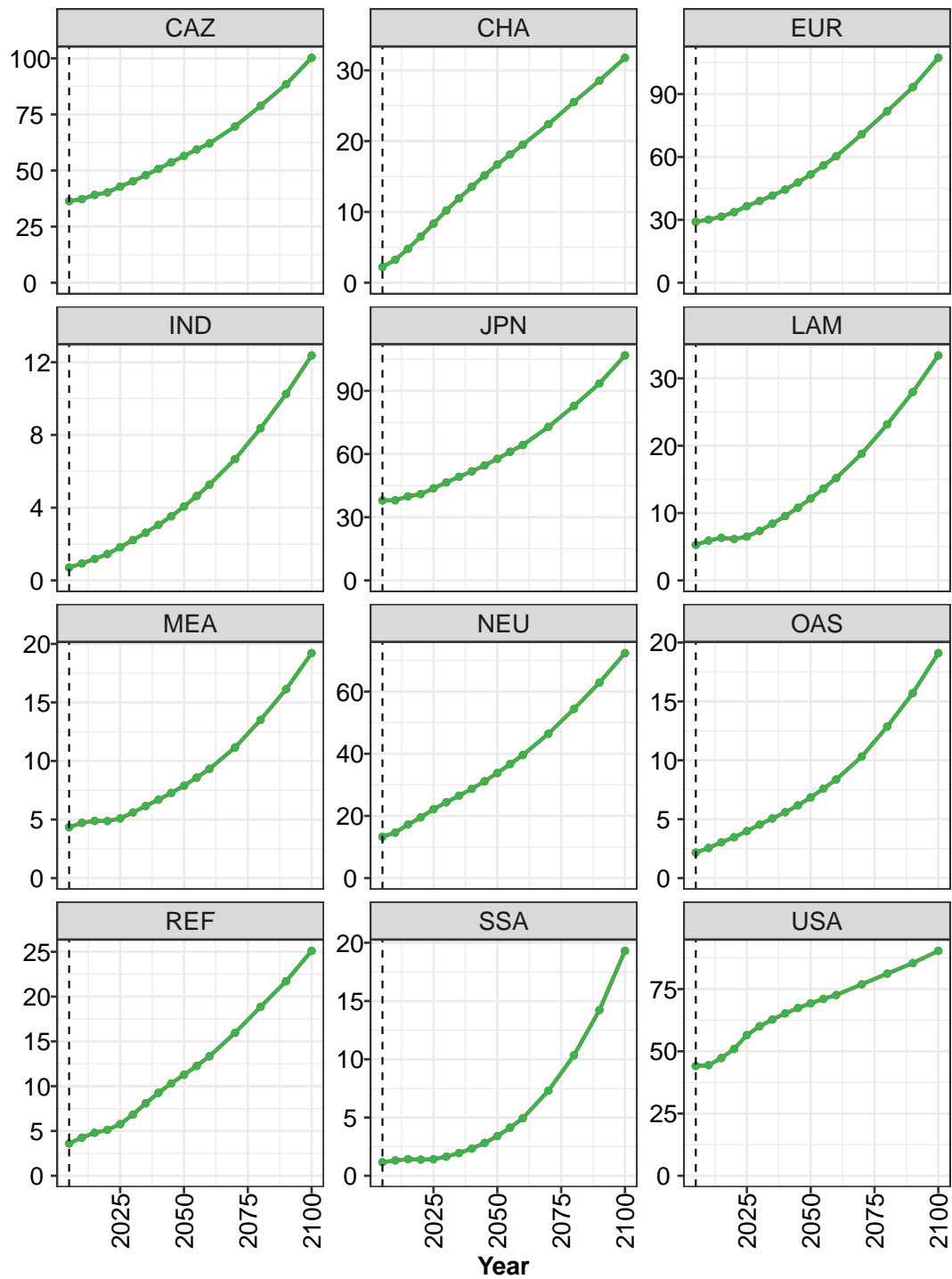
Model: REMIND

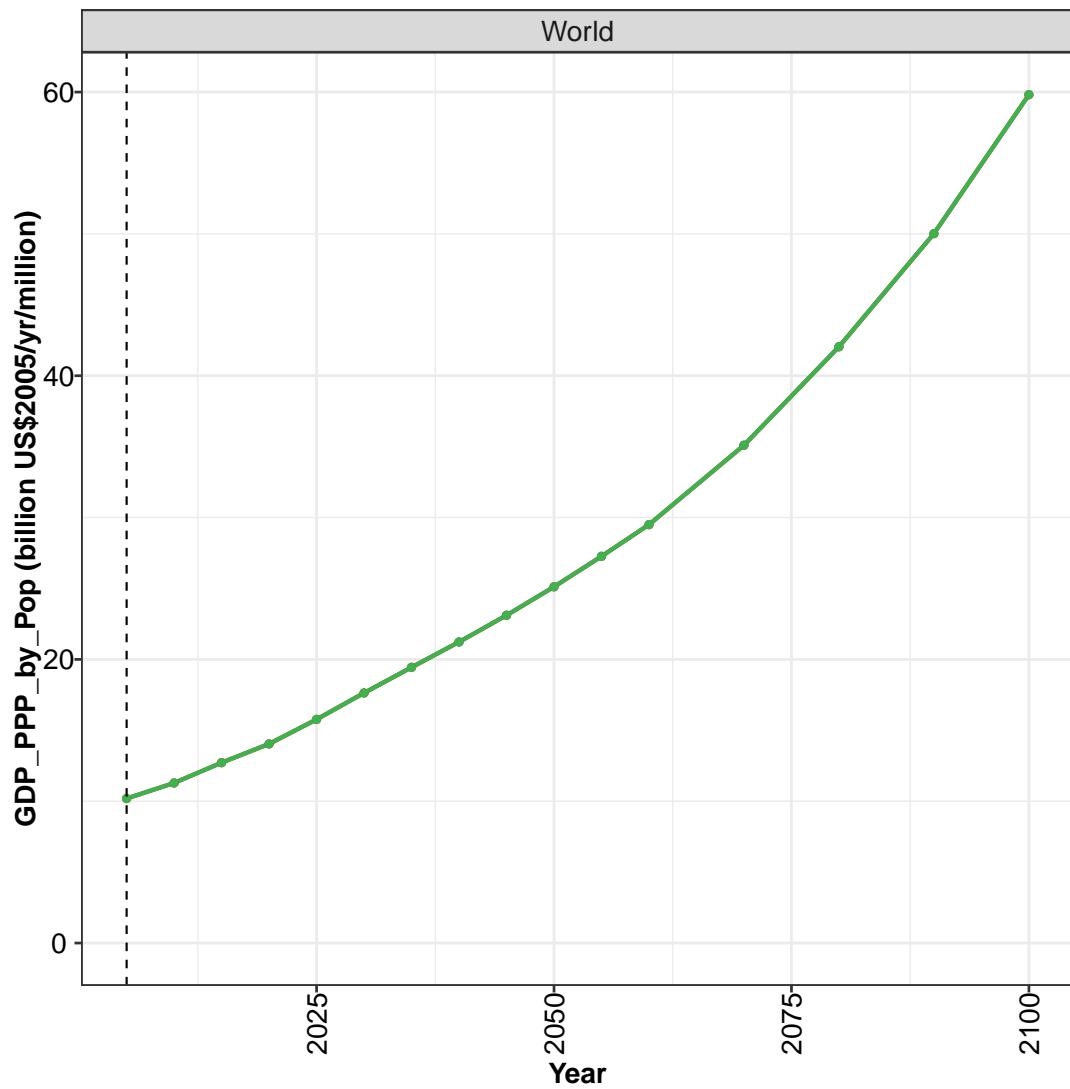
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



Model: REMIND

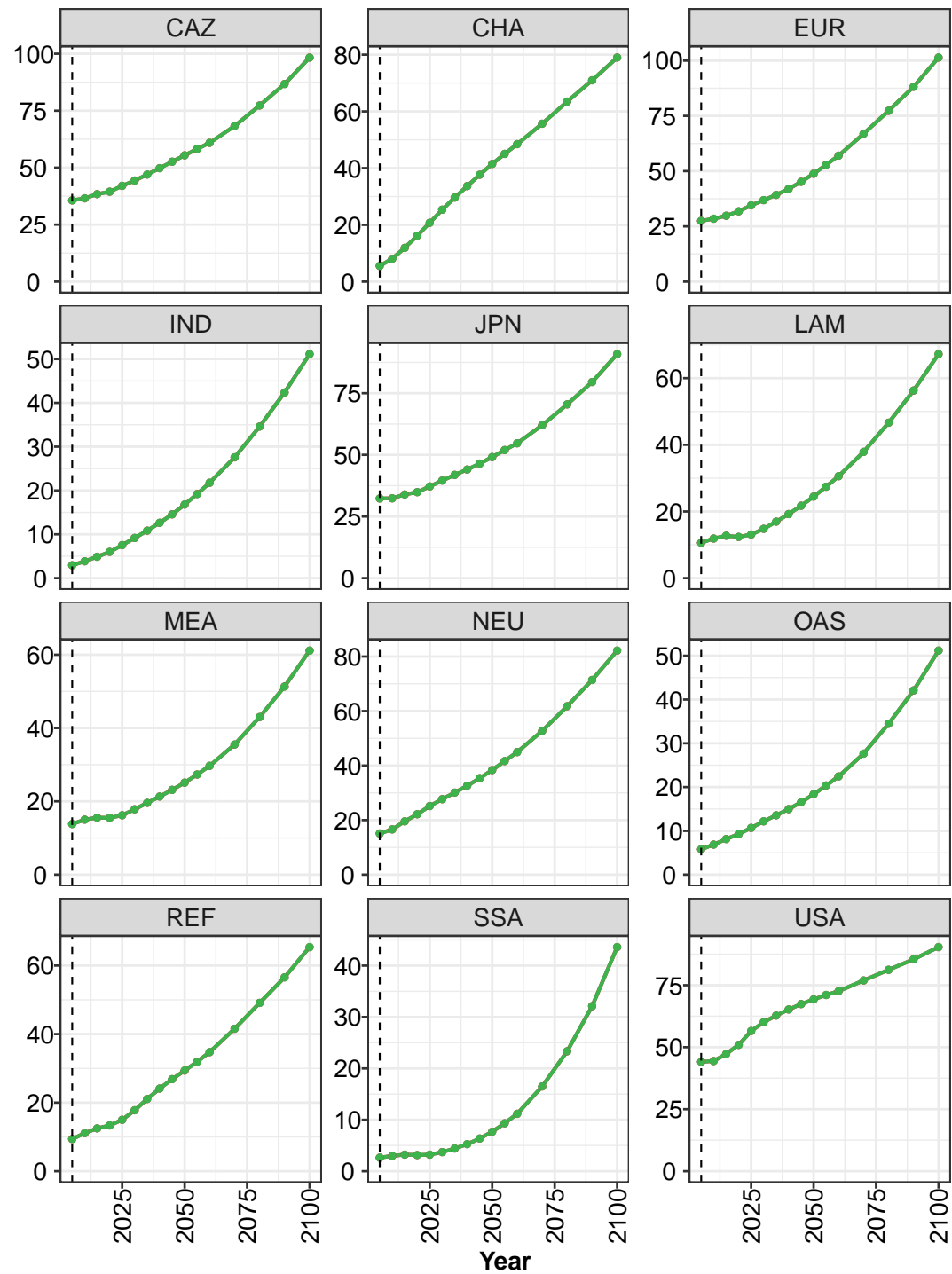
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

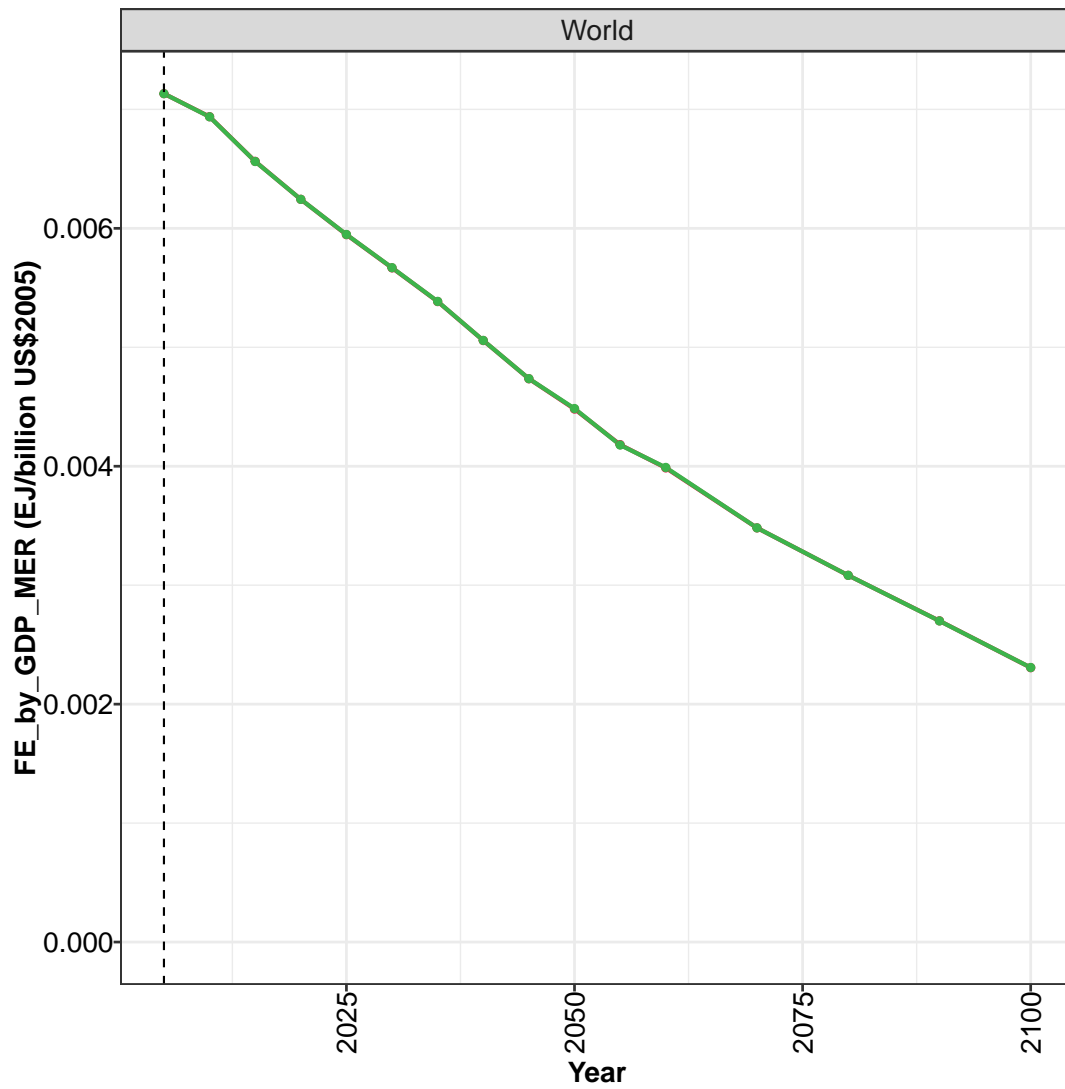




Model: REMIND

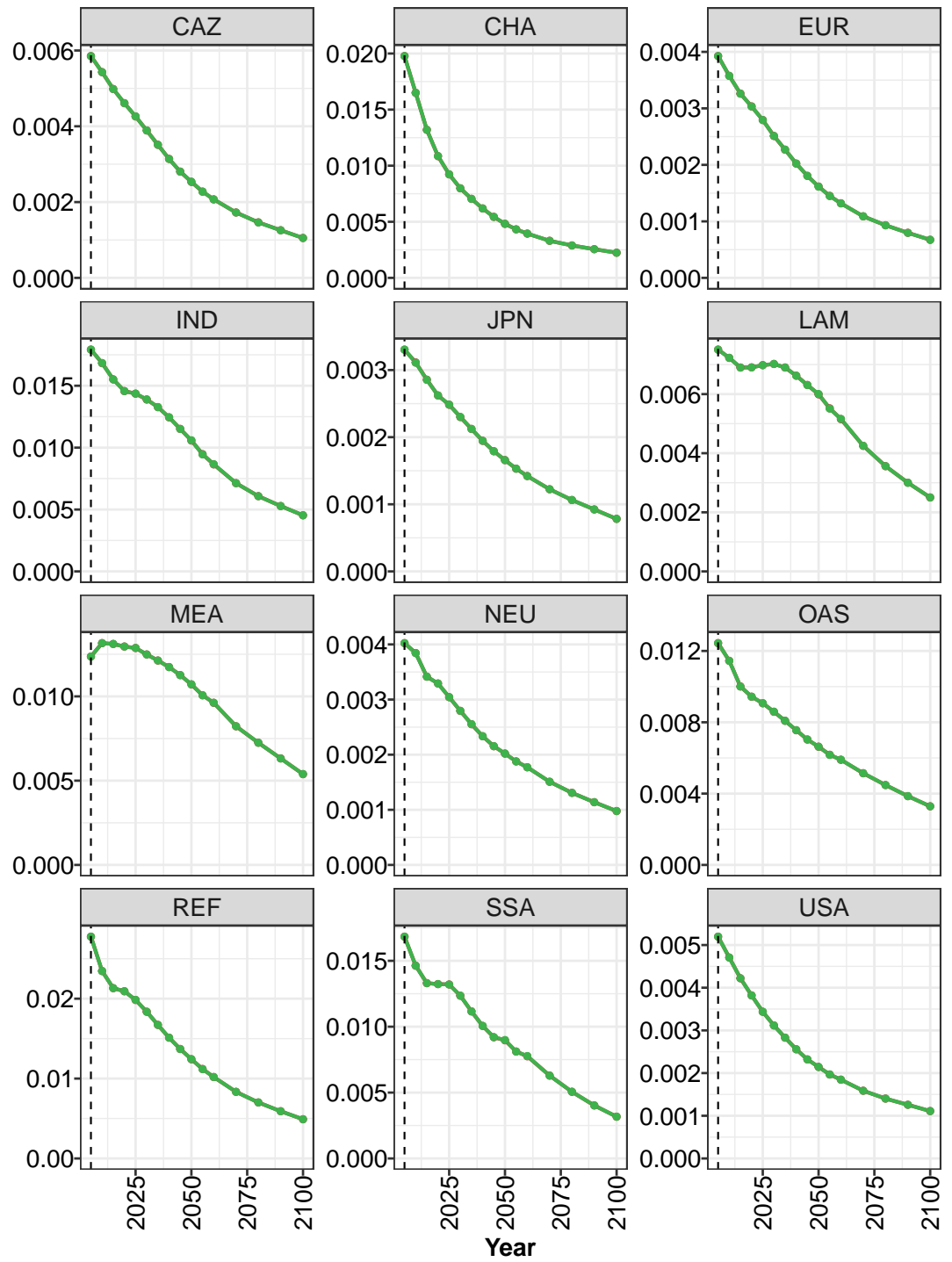
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

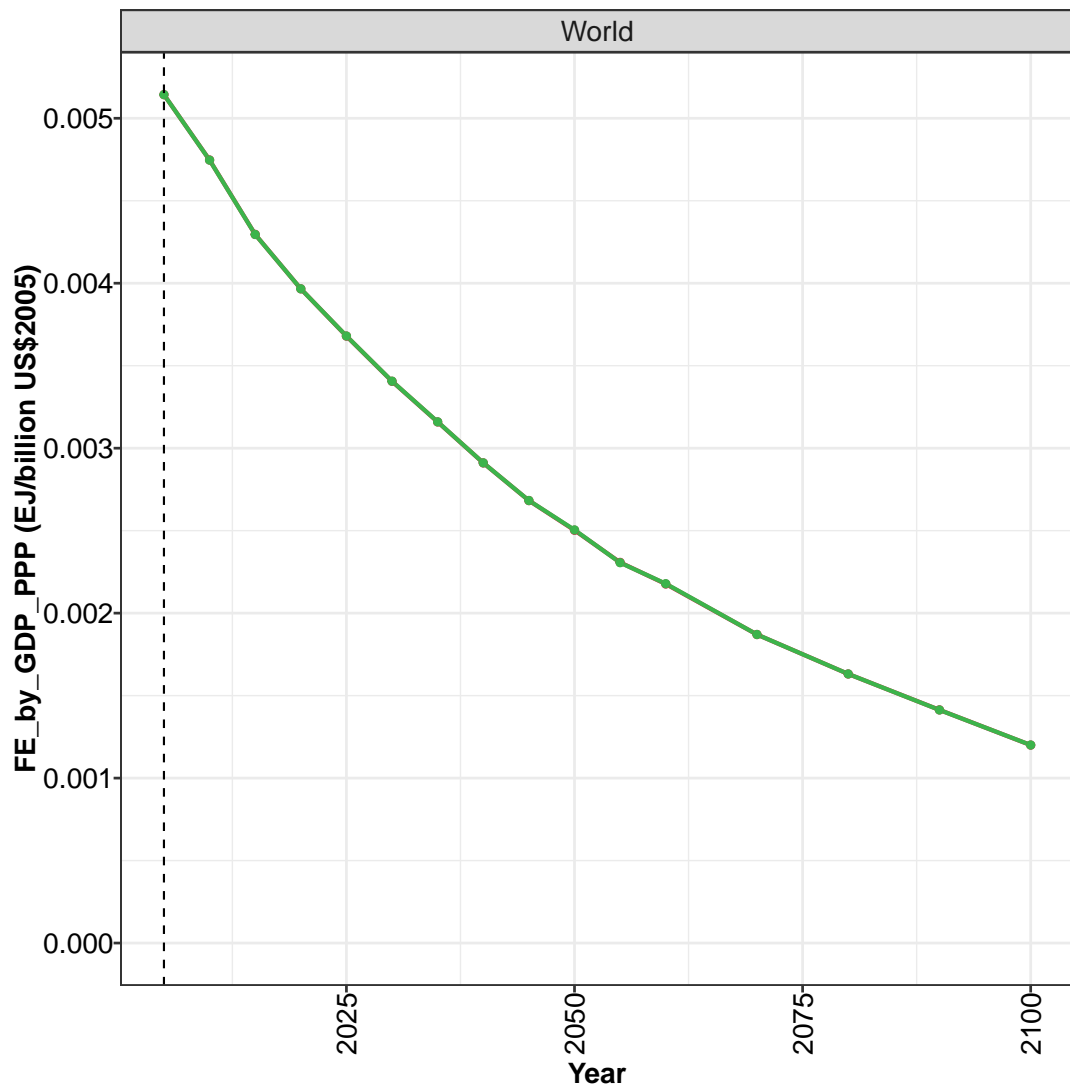




Model: REMIND

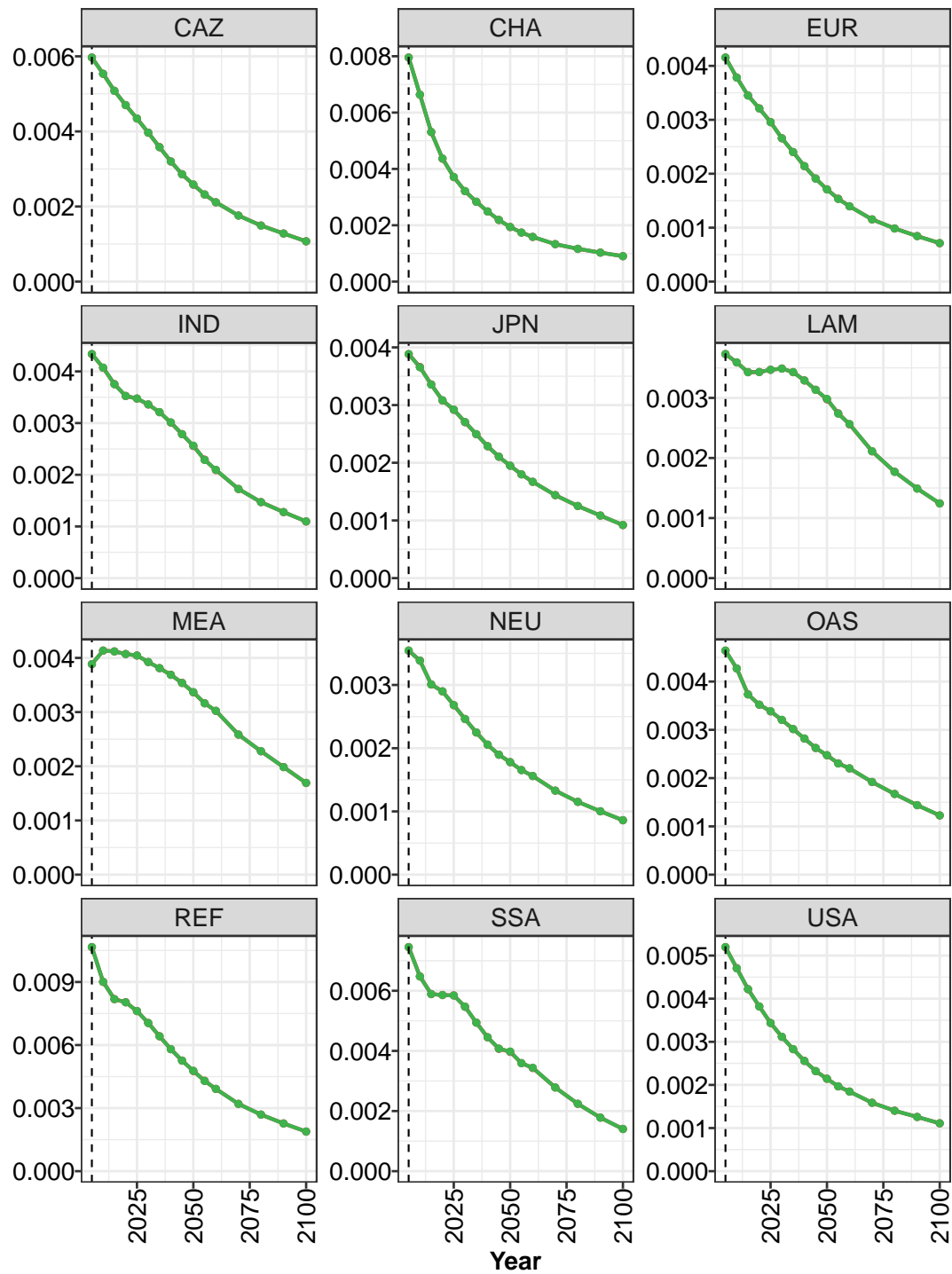
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

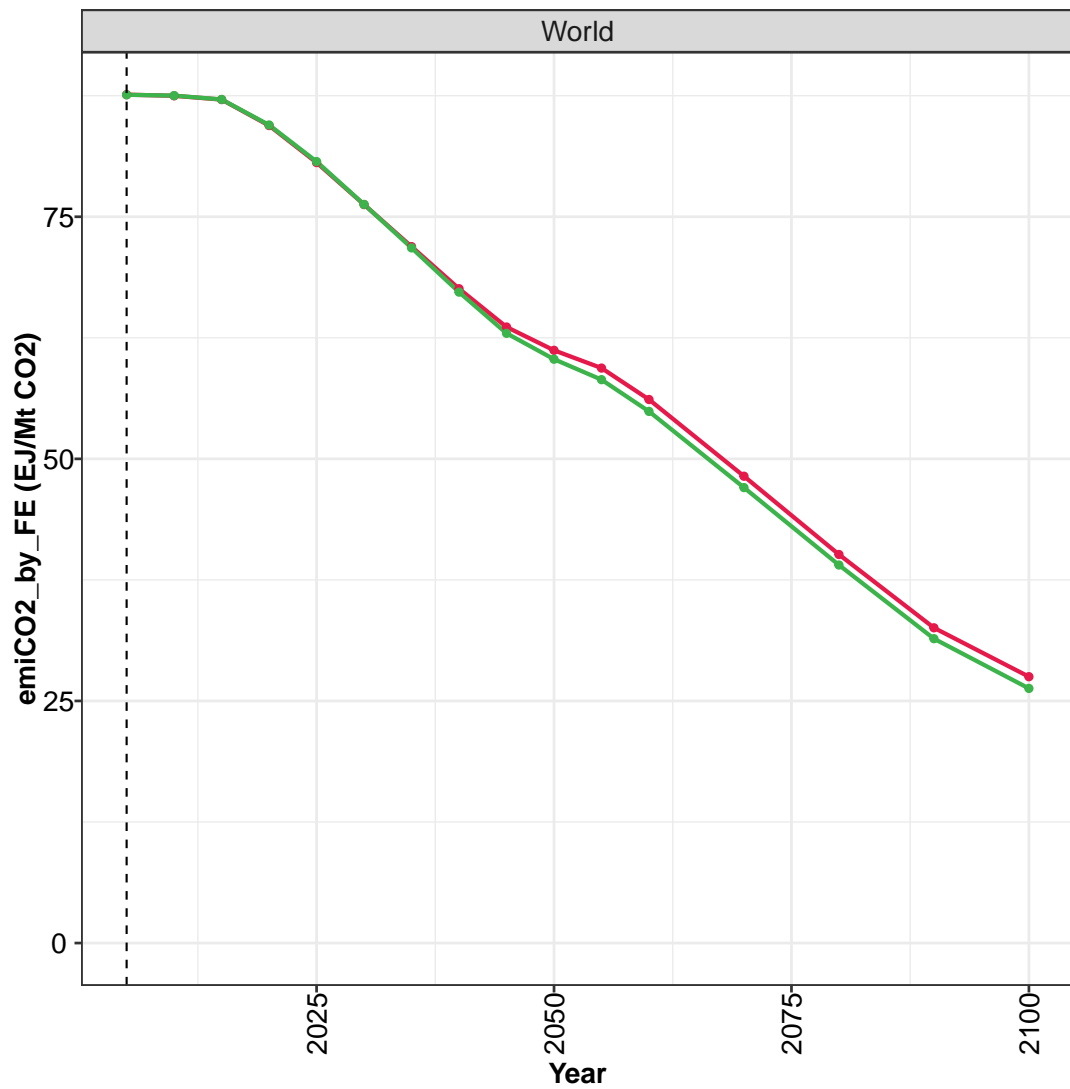




Model: REMIND

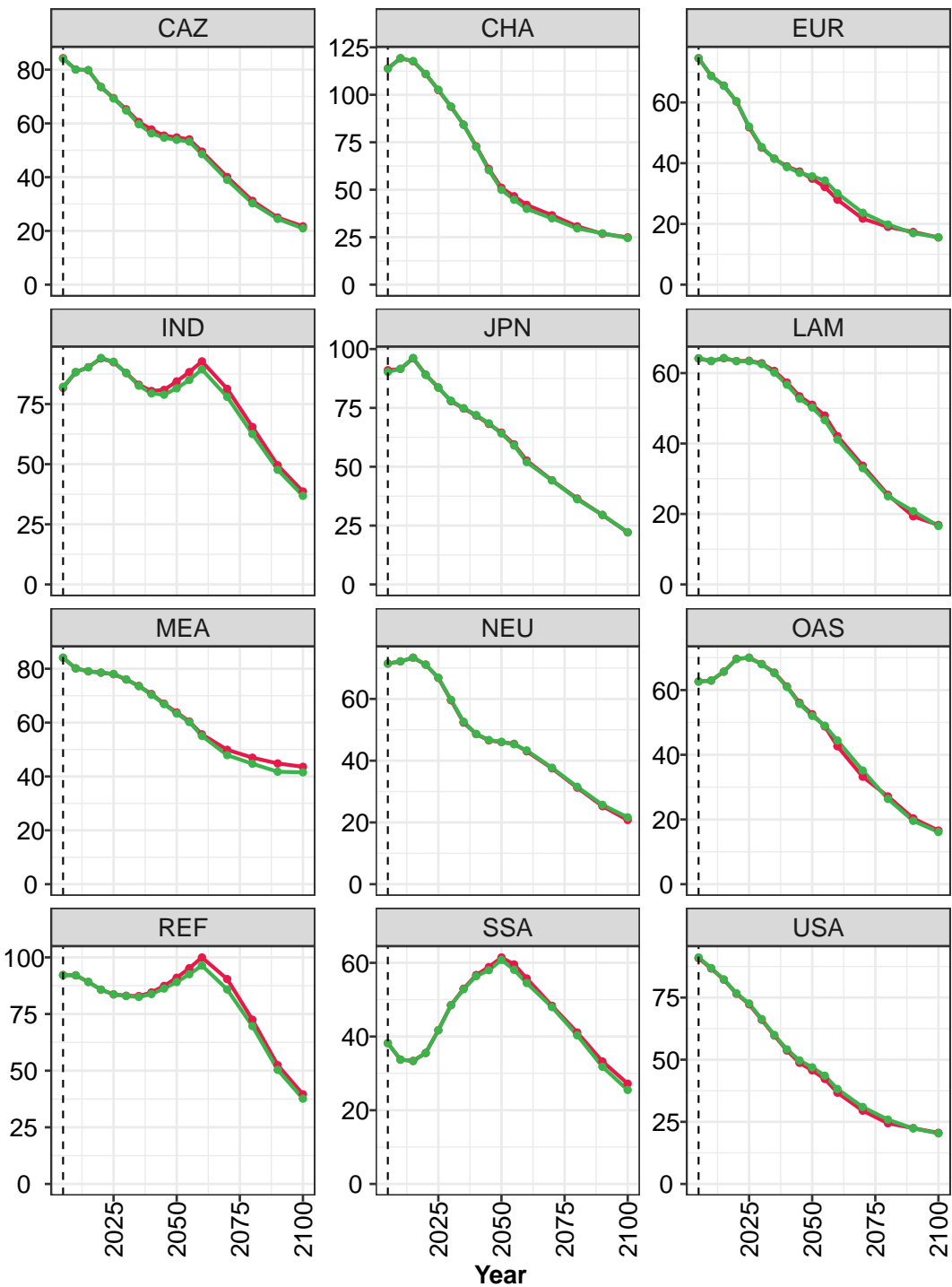
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix





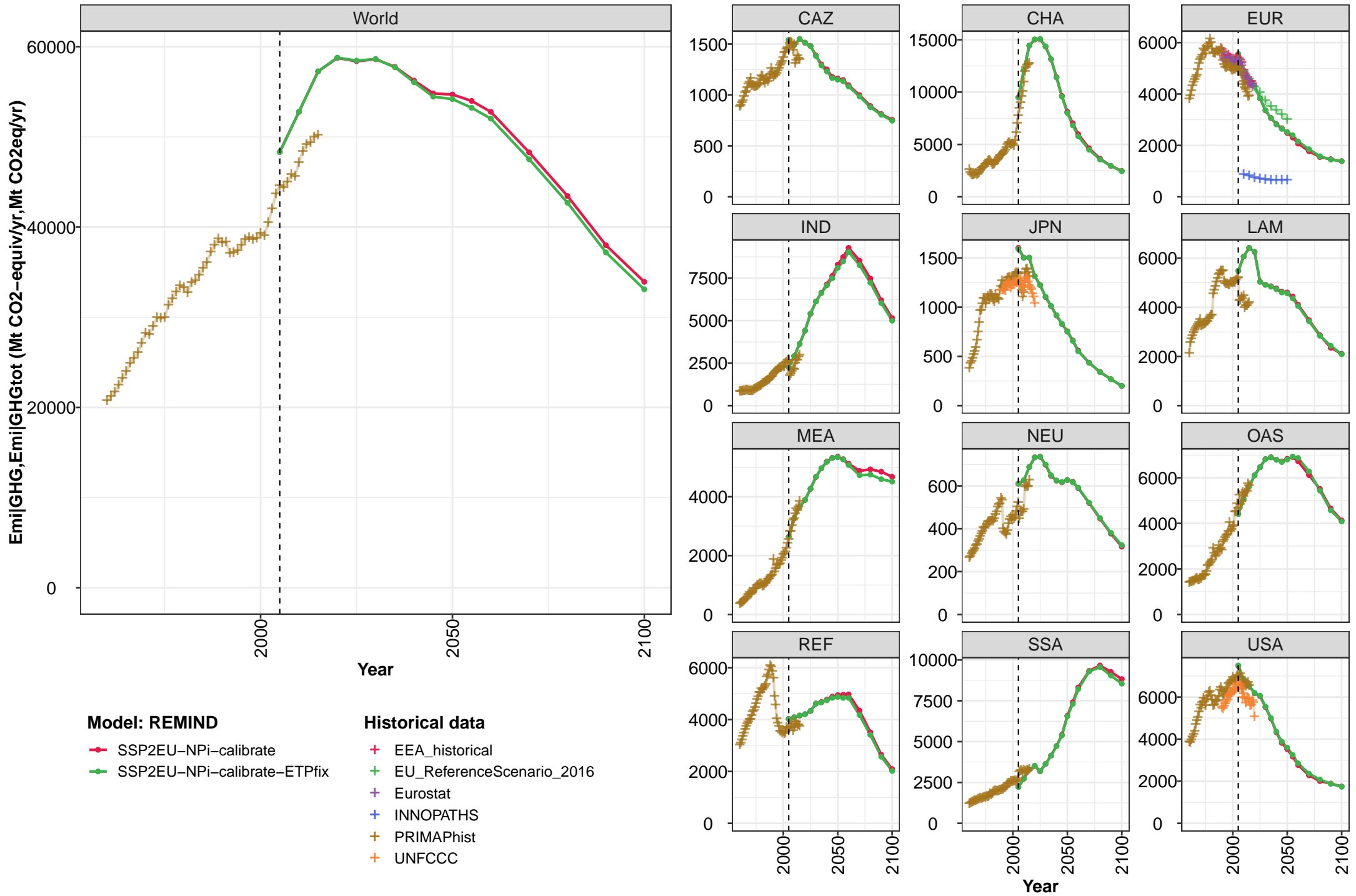
Model: REMIND

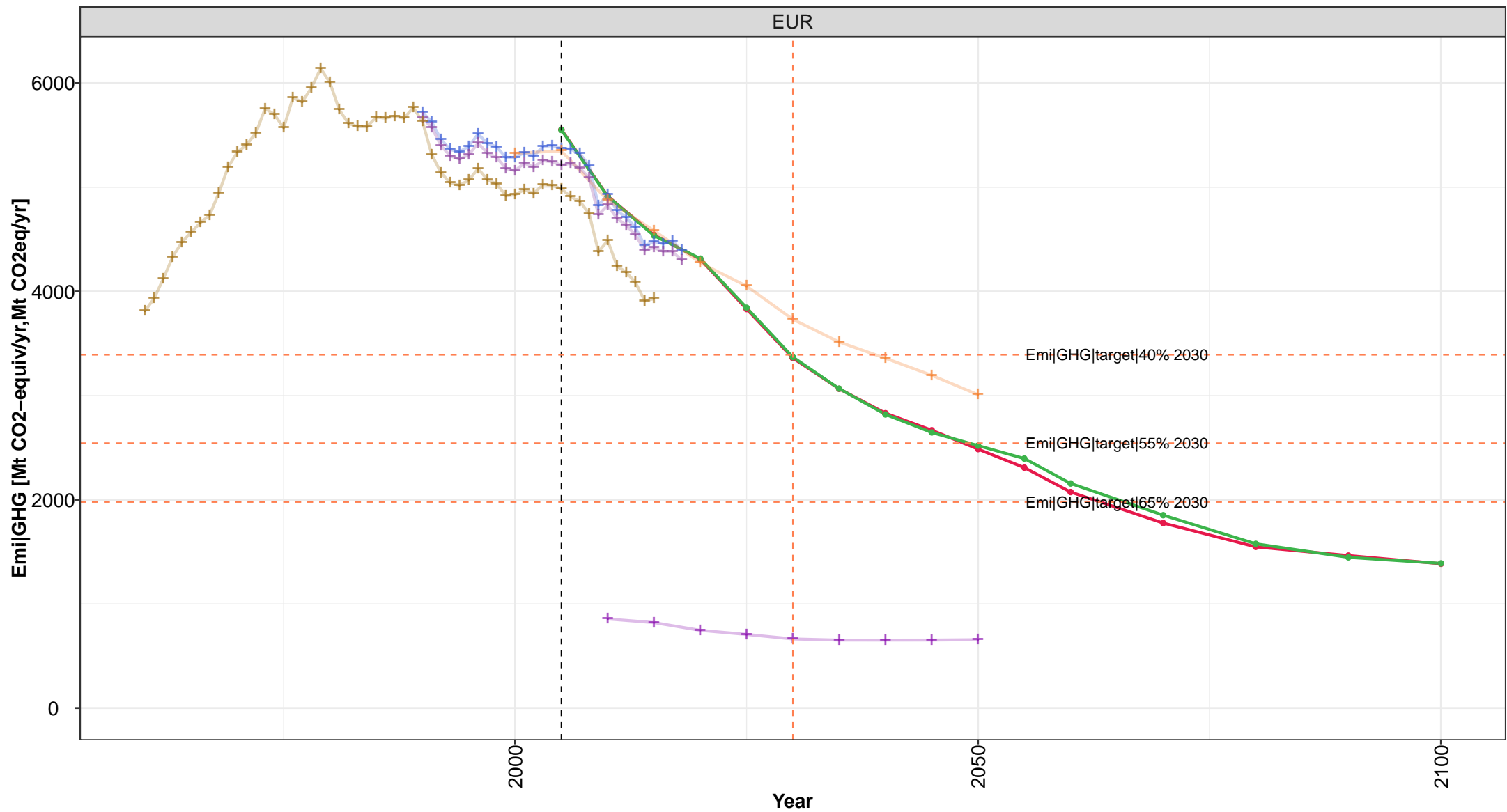
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



3 Emissions

3.1 GHG - total



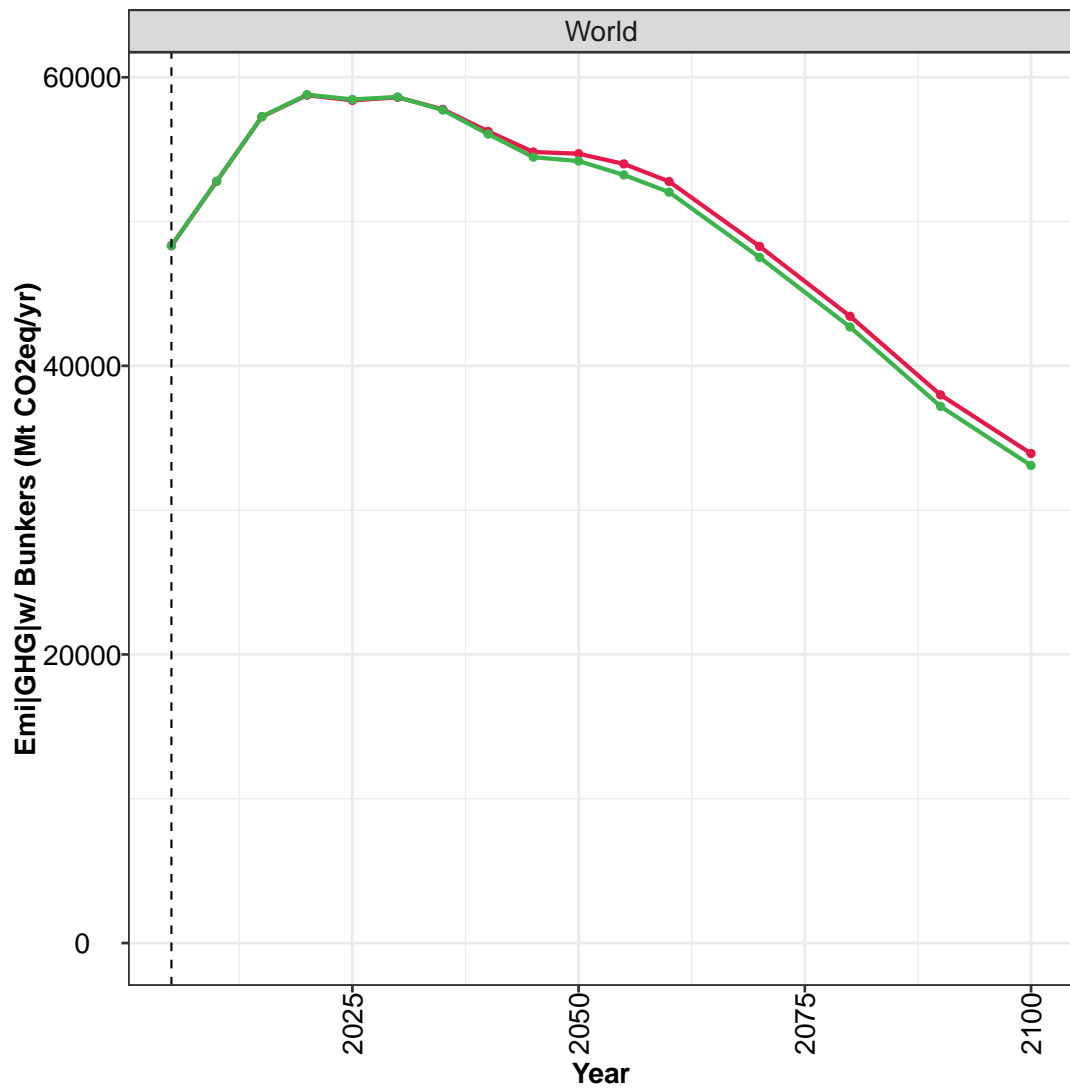


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + EEA_historical
- + EU_ReferenceScenario_2016
- + Eurostat
- + INNOPATHS
- + PRIMAPHist

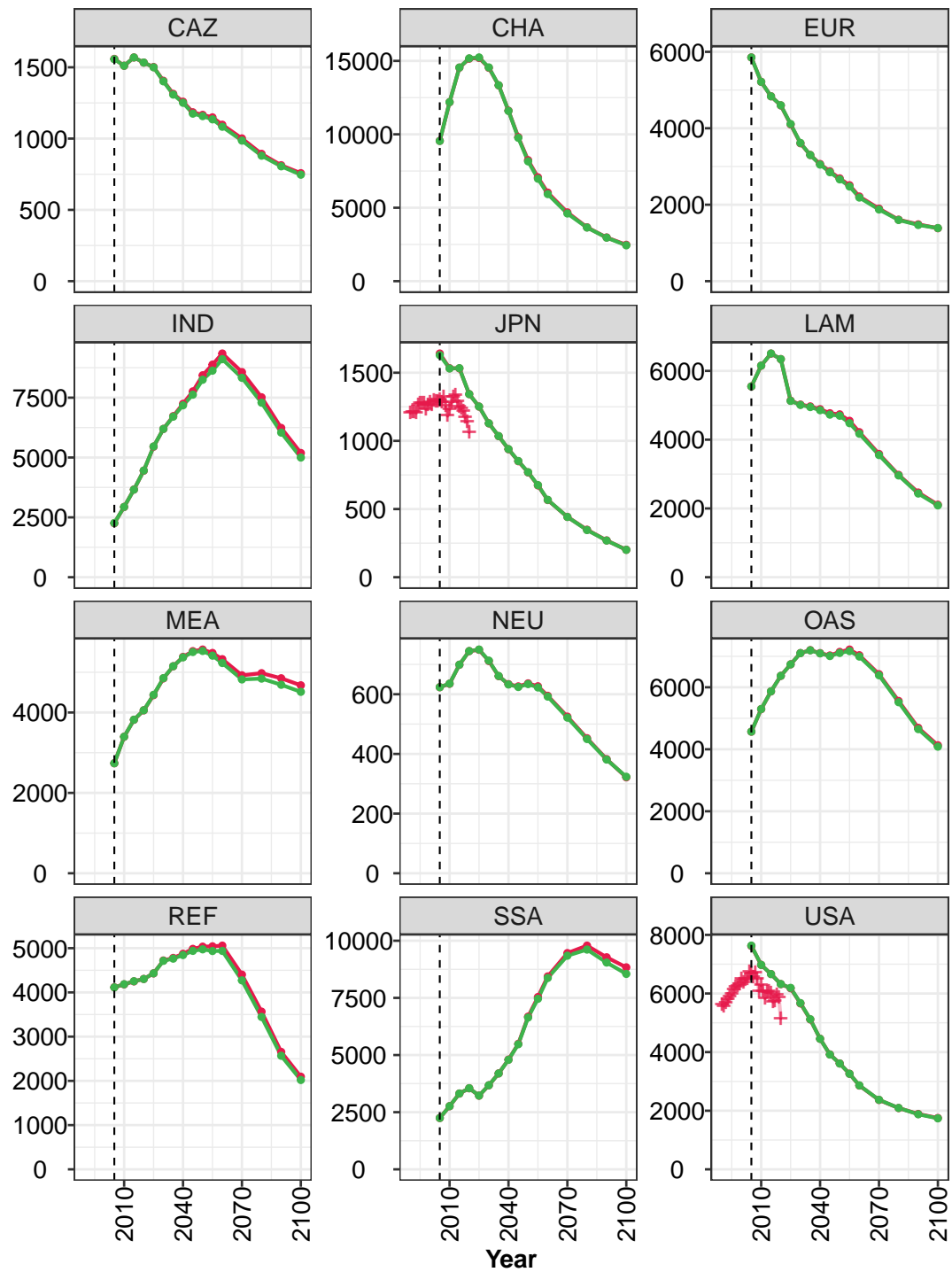


Model: REMIND

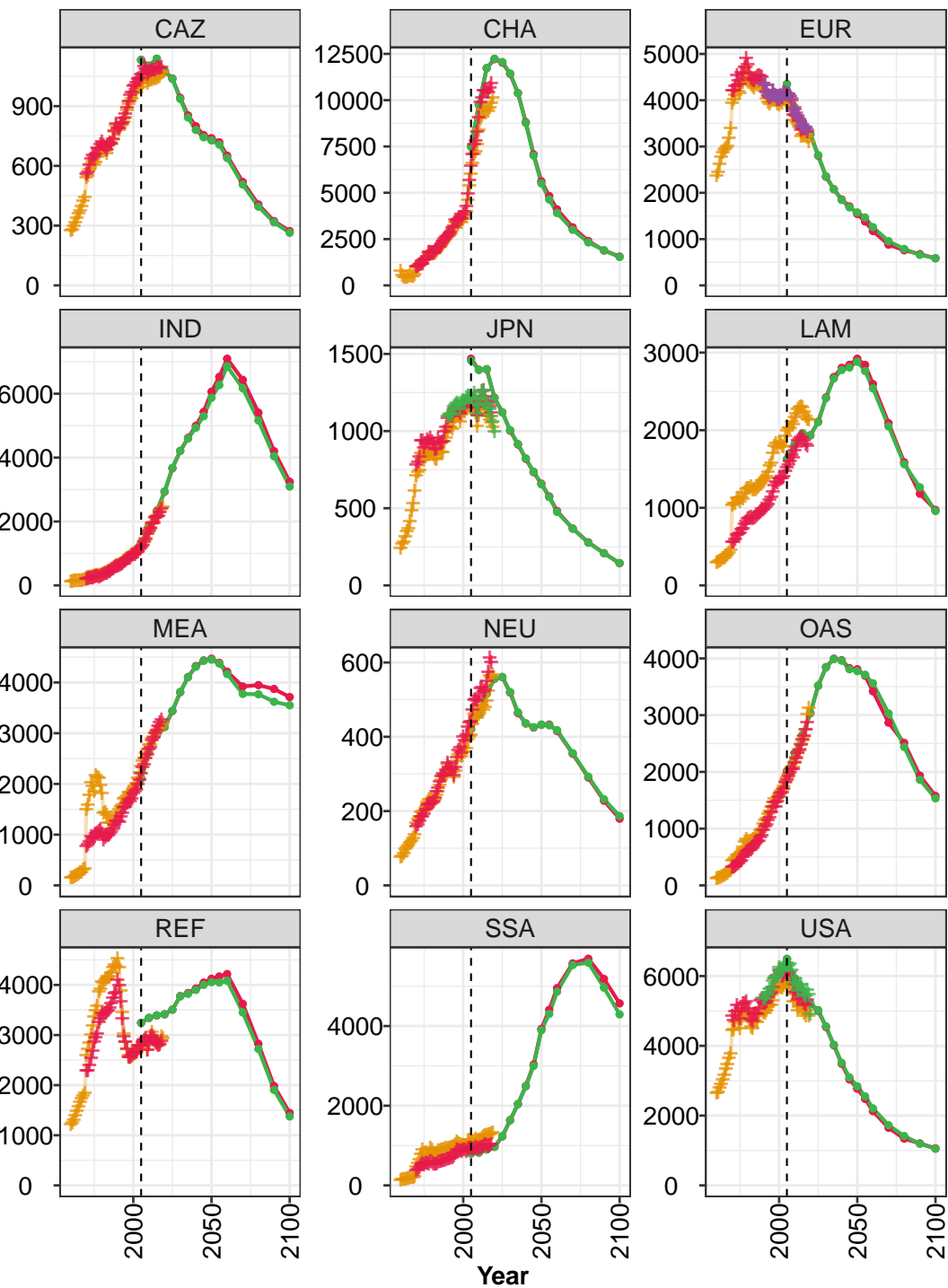
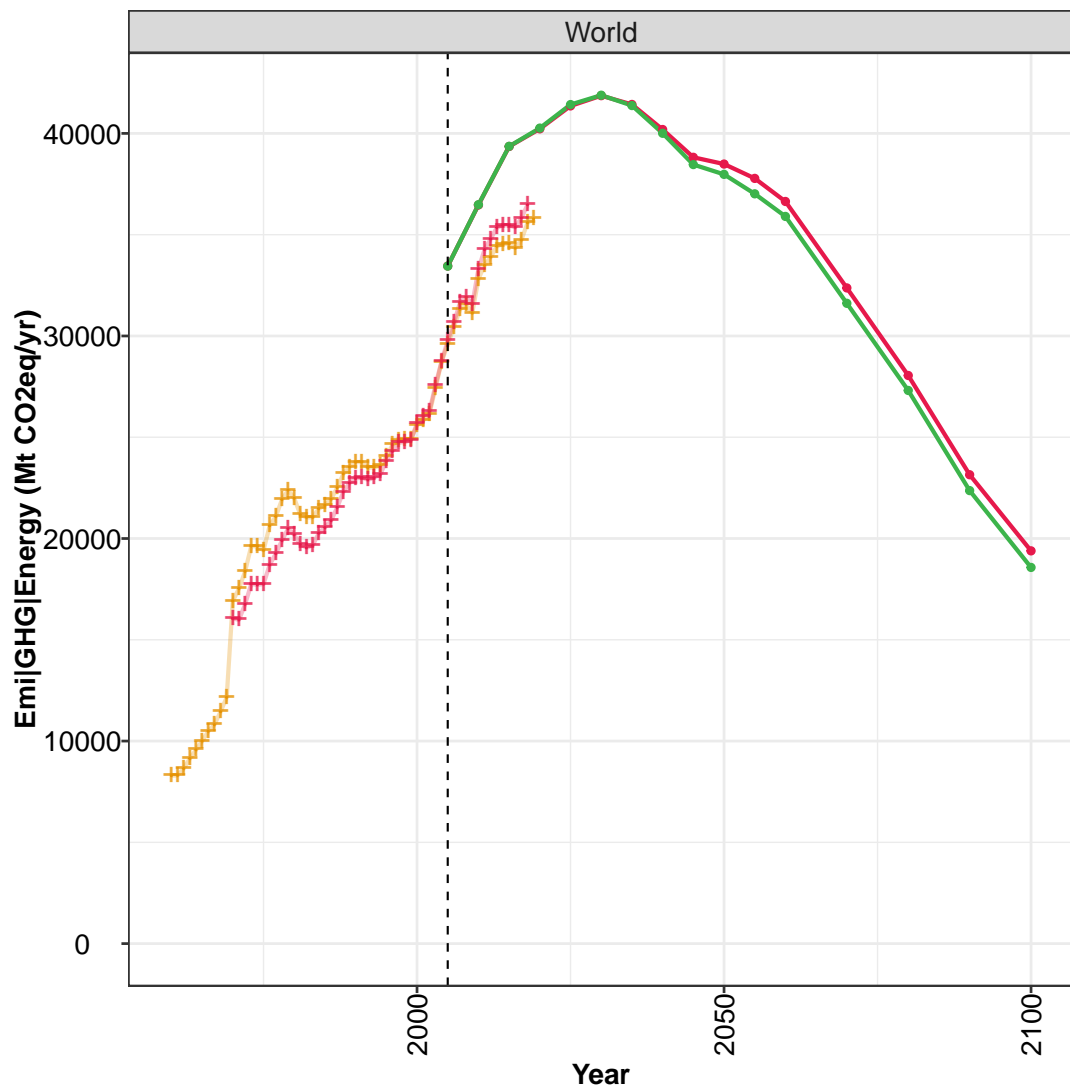
- +— SSP2EU-NPi-calibrate
- +— SSP2EU-NPi-calibrate-ETPfix

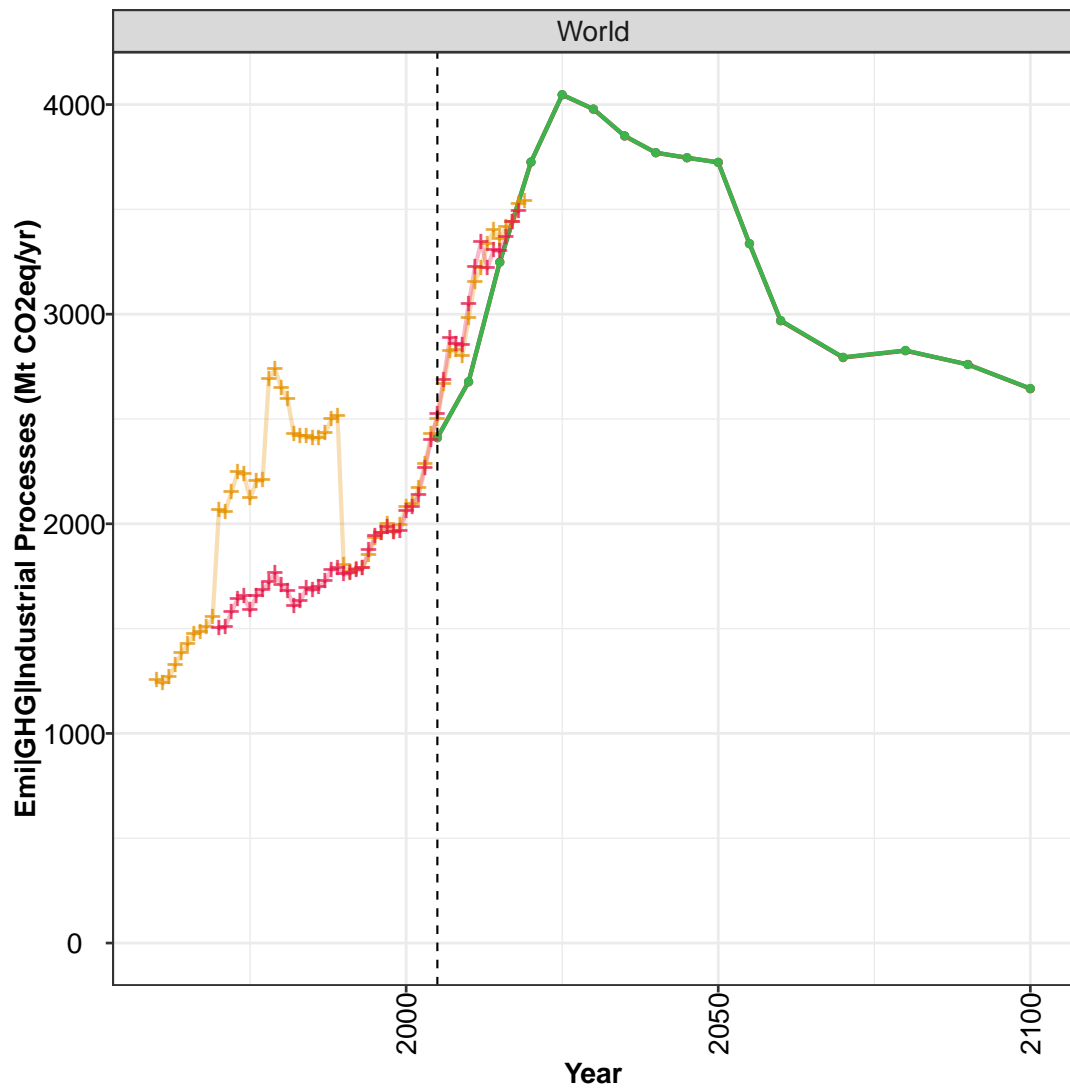
Historical data

- + UNFCCC



3.2 GHG Sectors



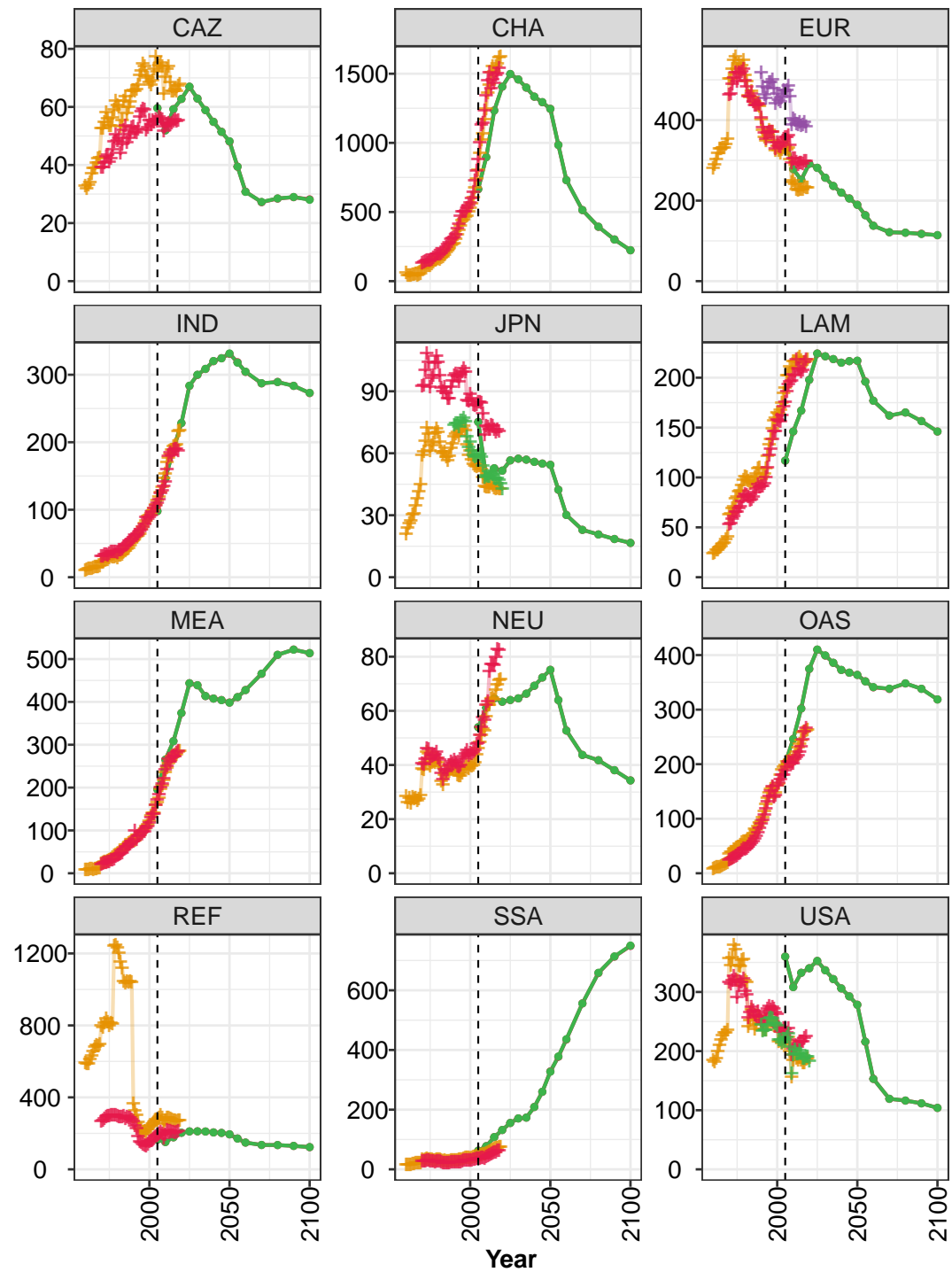


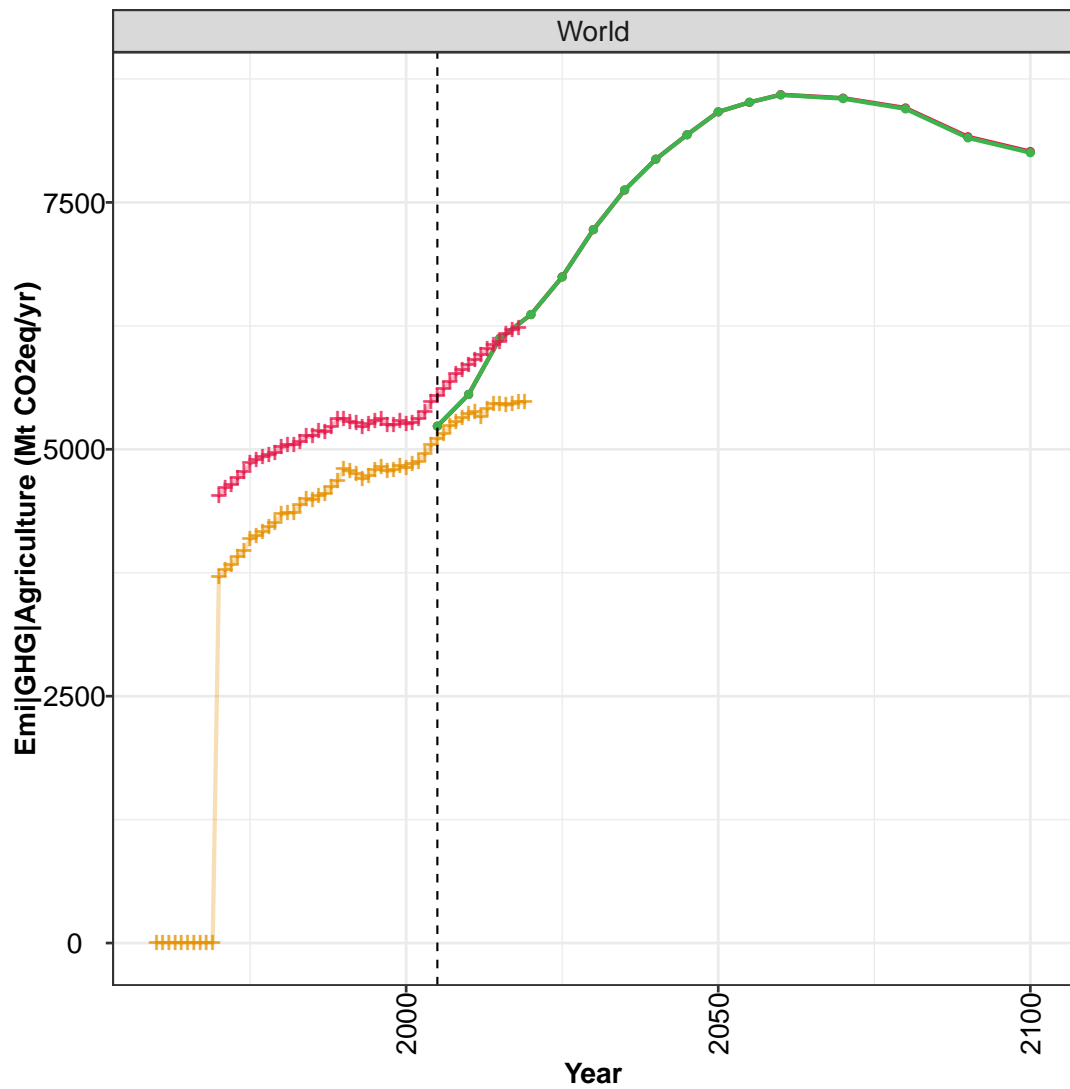
Model: REMIND

- +— SSP2EU-NPi-calibrate
- +— SSP2EU-NPi-calibrate-ETPfix

Historical data

- + CEDS
- + EDGAR6
- + Eurostat
- + UNFCCC



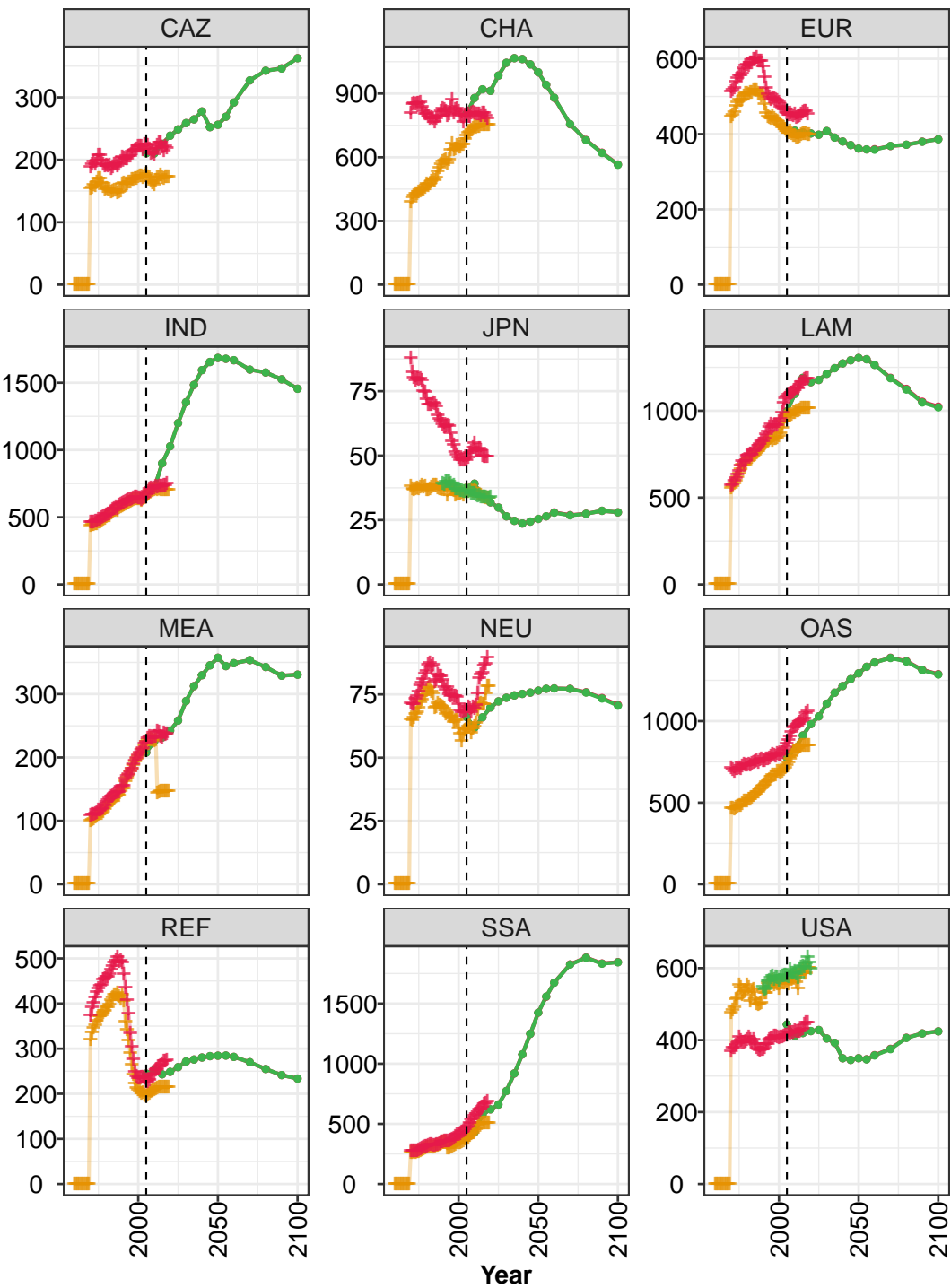


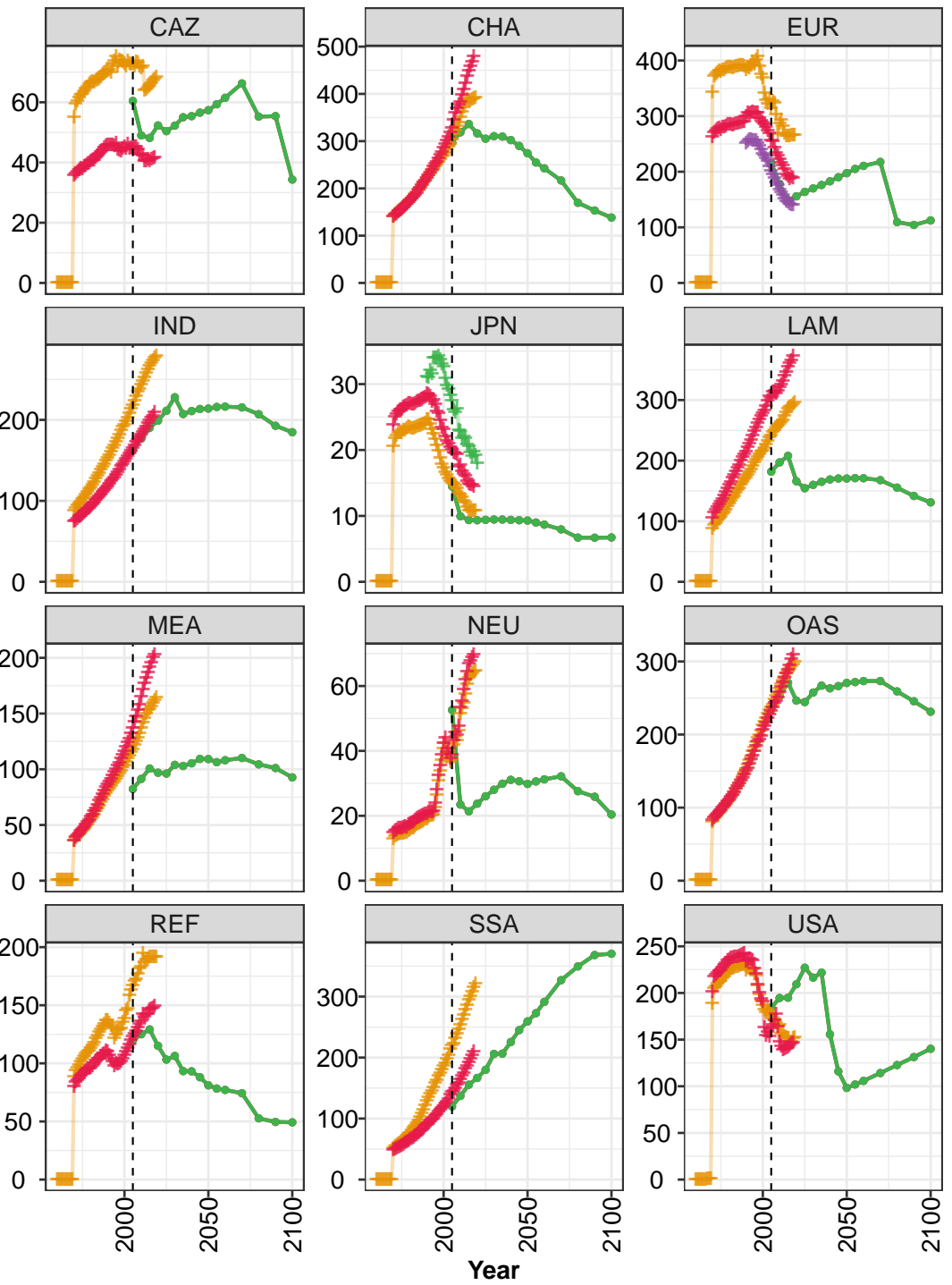
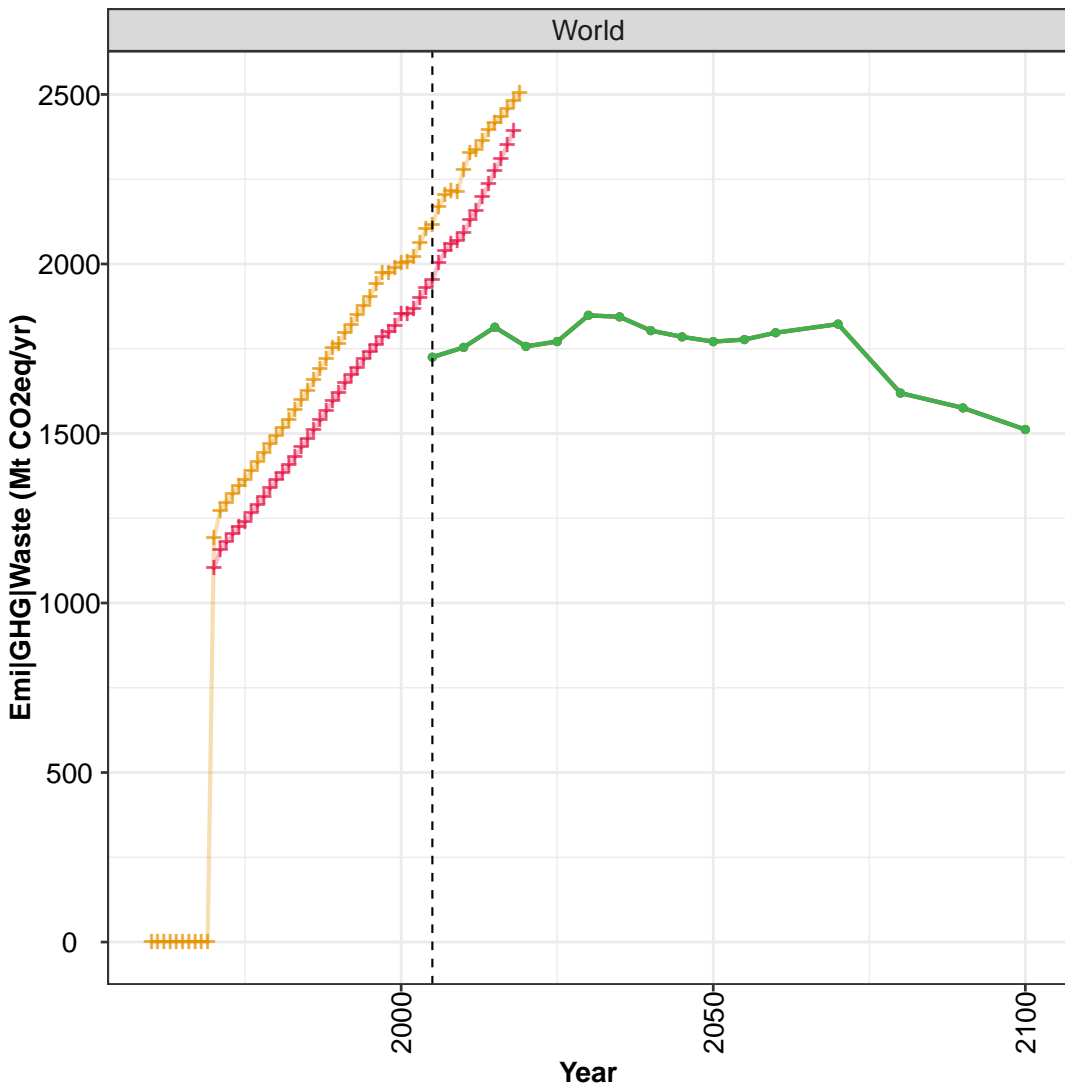
Model: REMIND

- +— SSP2EU-NPi-calibrate
- +— SSP2EU-NPi-calibrate-ETPfix

Historical data

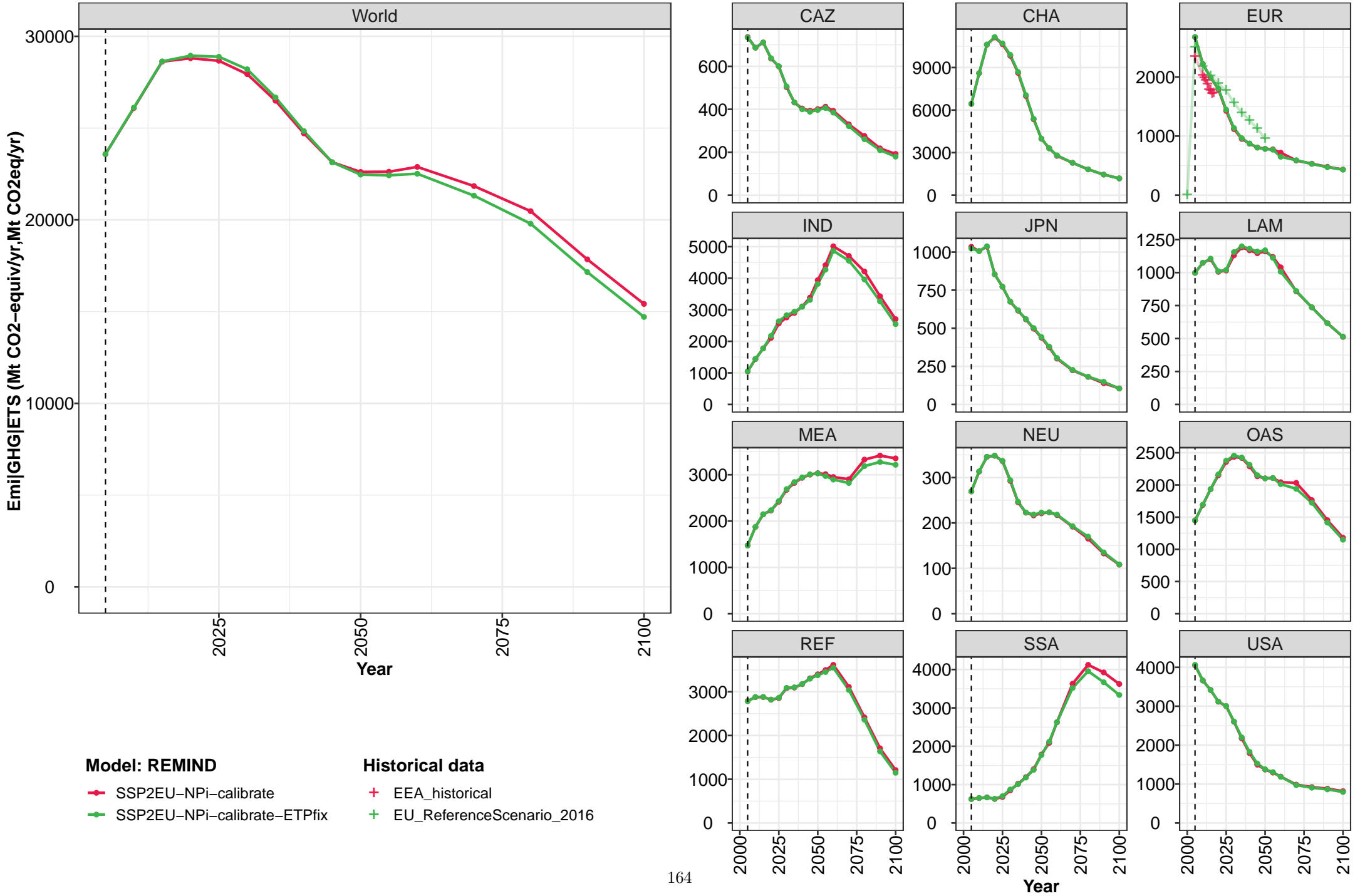
- + CEDS
- + EDGAR6
- + UNFCCC

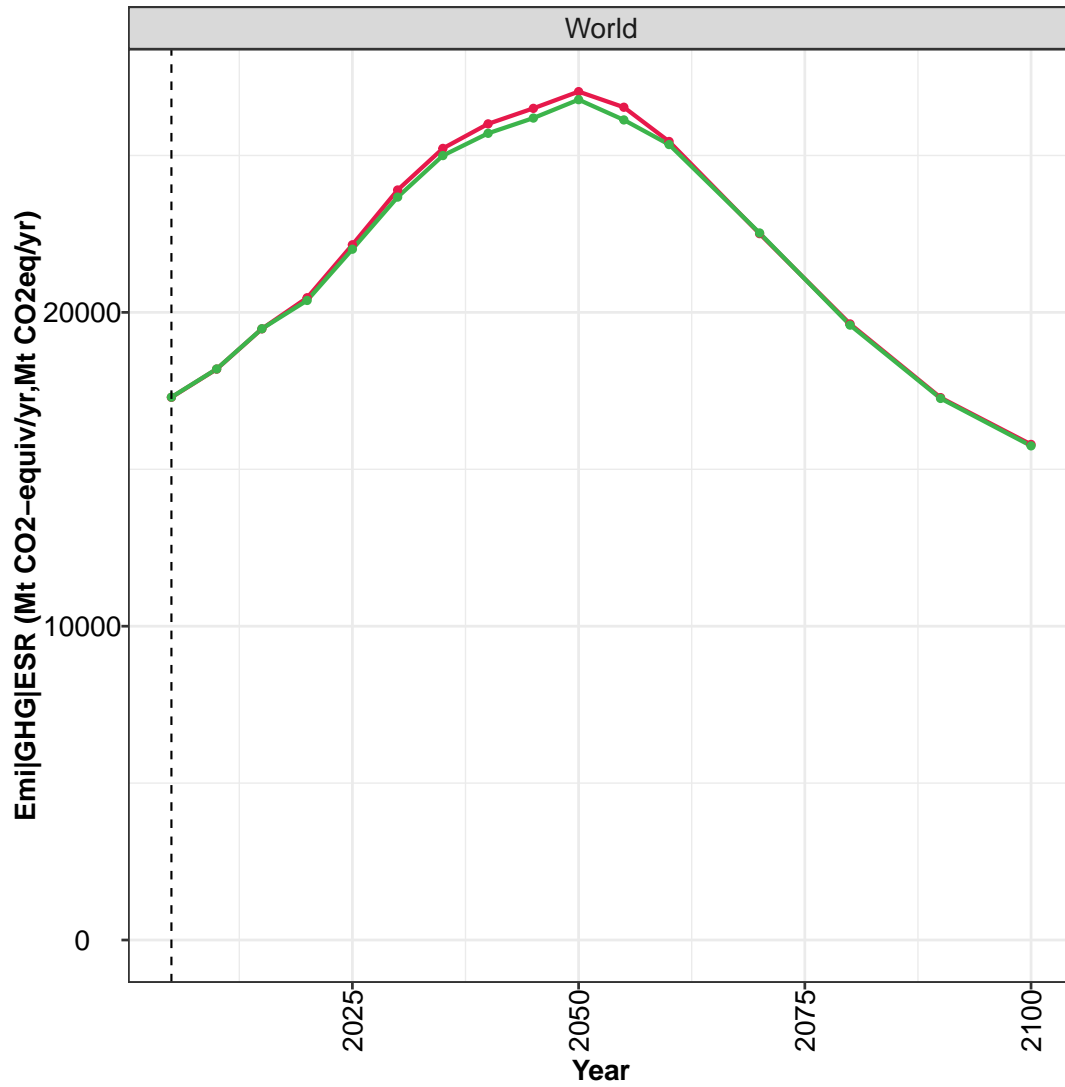




3.3 GHG - Market

3.3.1 ETS



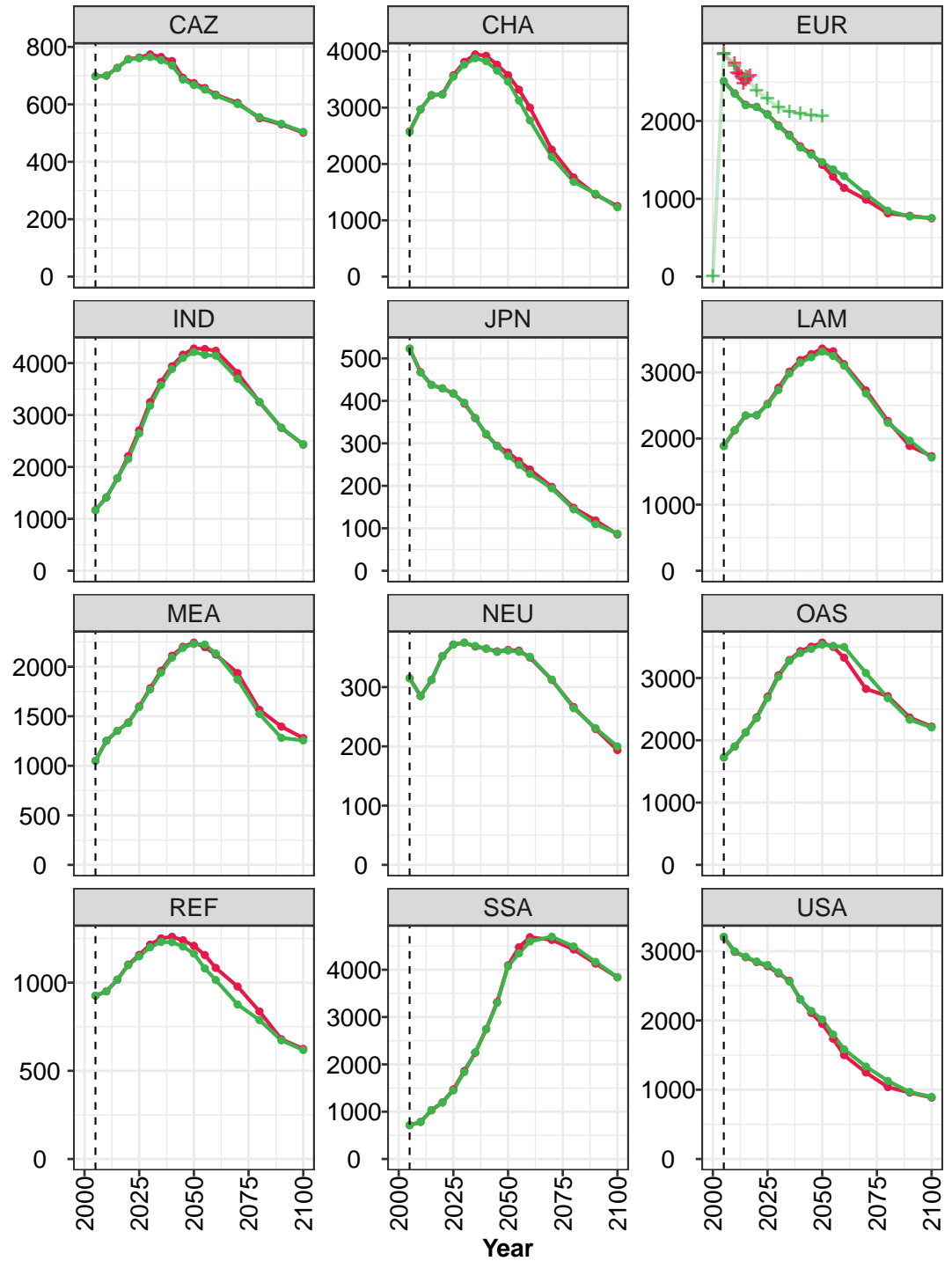


Model: REMIND

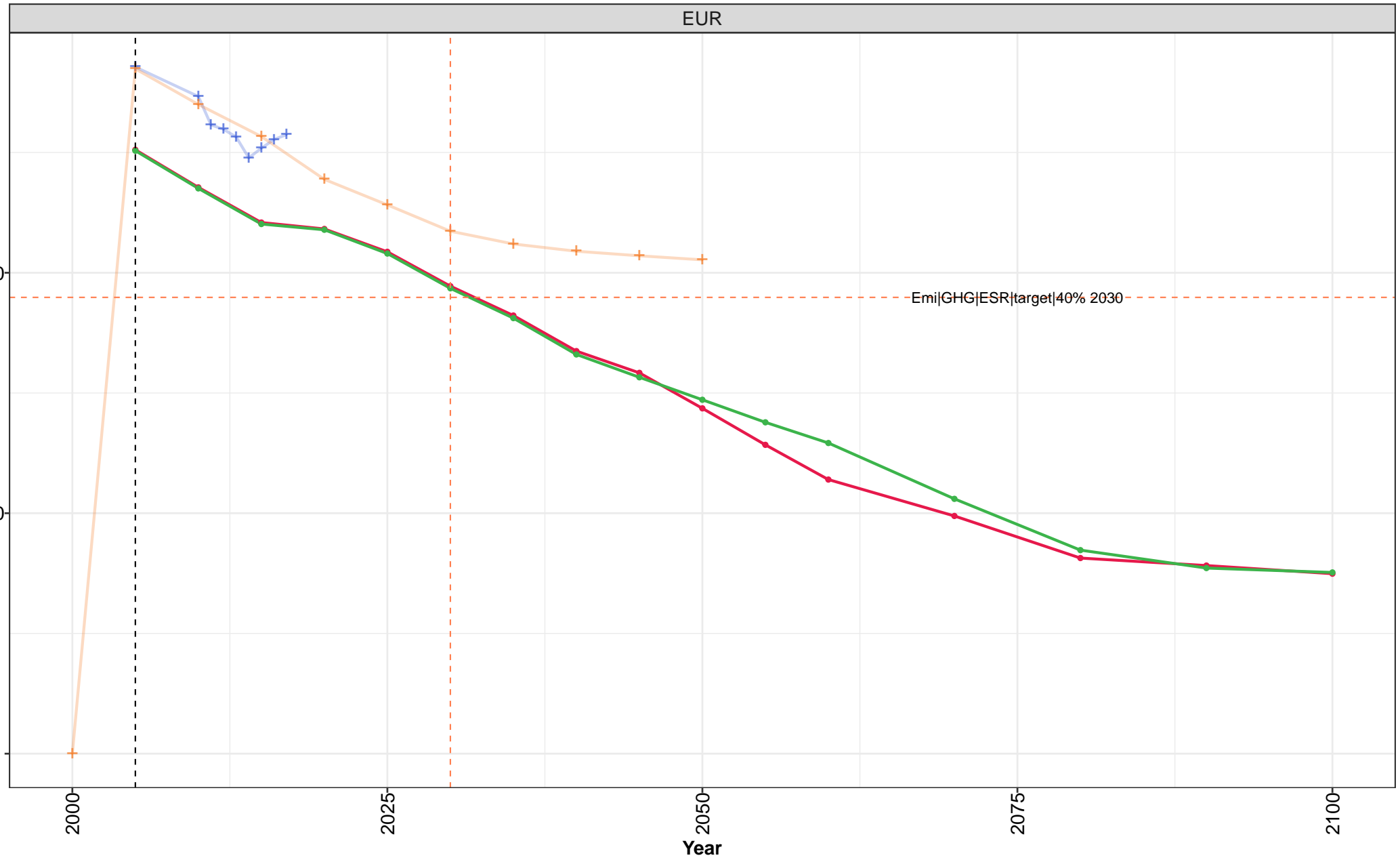
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + EEA_historical
- + EU_ReferenceScenario_2016



Emi|GHG|ESR [Mt CO2-equiv/yr, Mt CO2eq/yr]



Emi|GHG|ESR|target|40% 2030

Model: REMIND

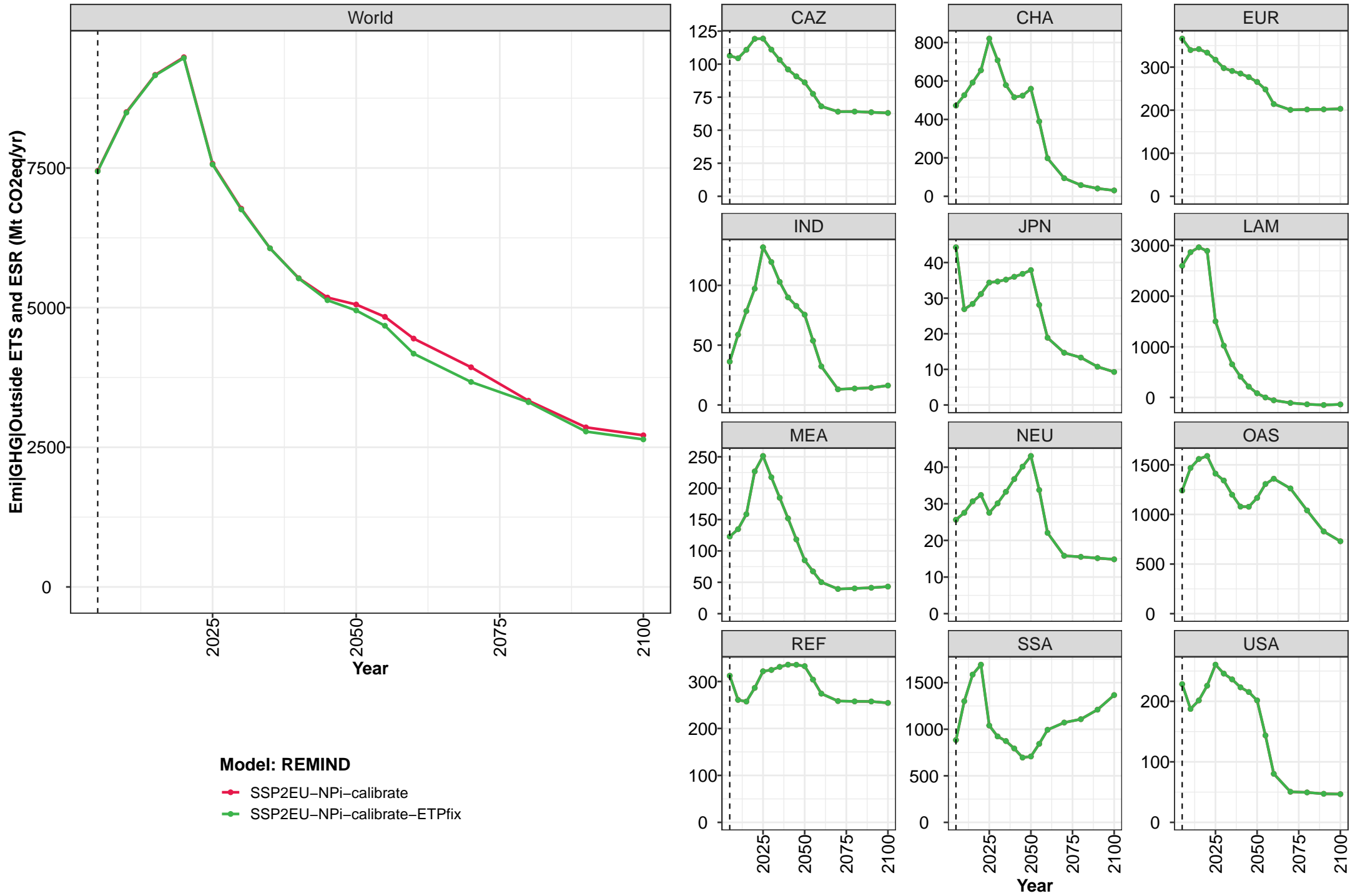
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- EEA_historical
- EU_ReferenceScenario_2016

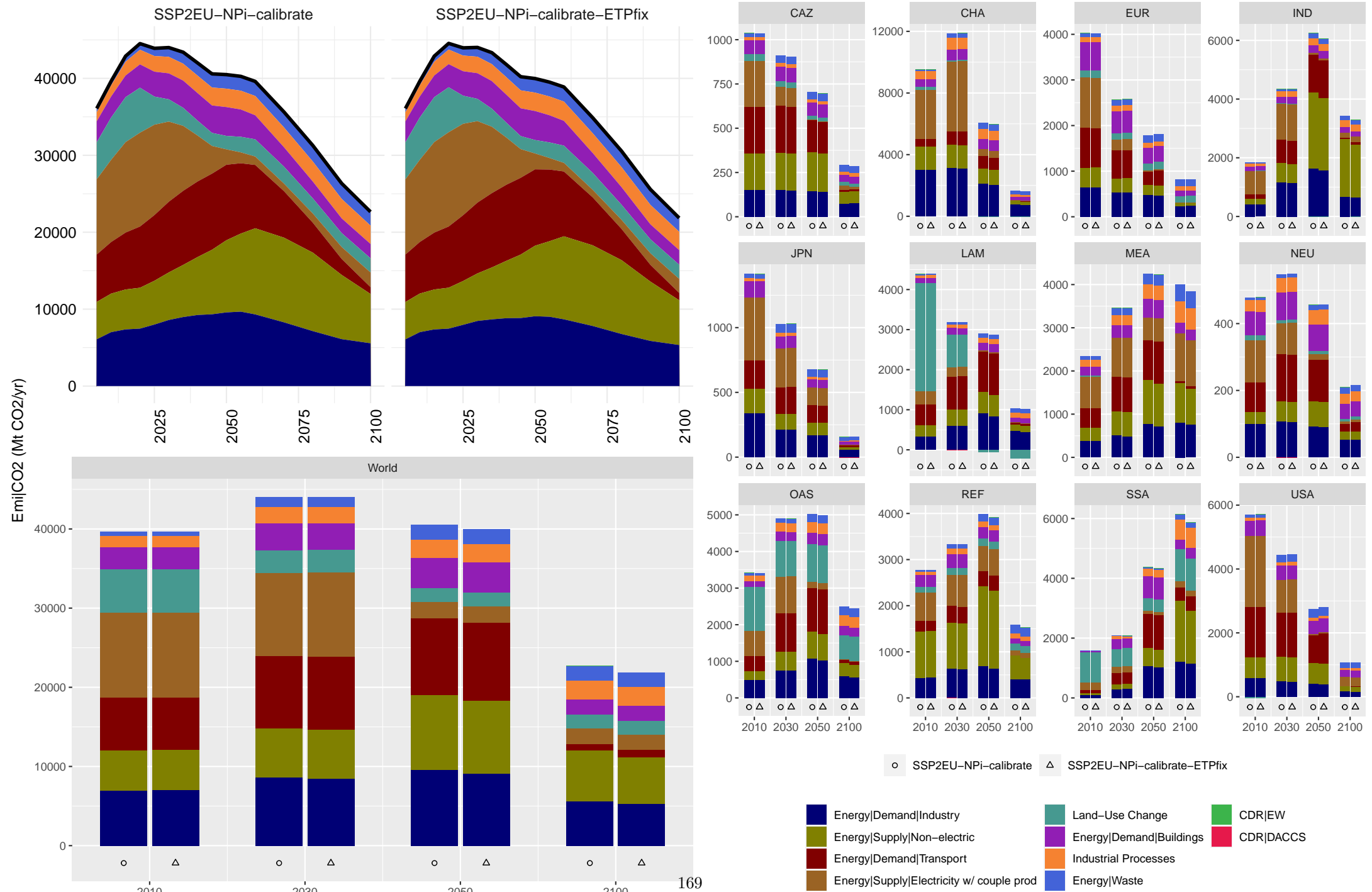
Note: Reduction targets wrt 2005

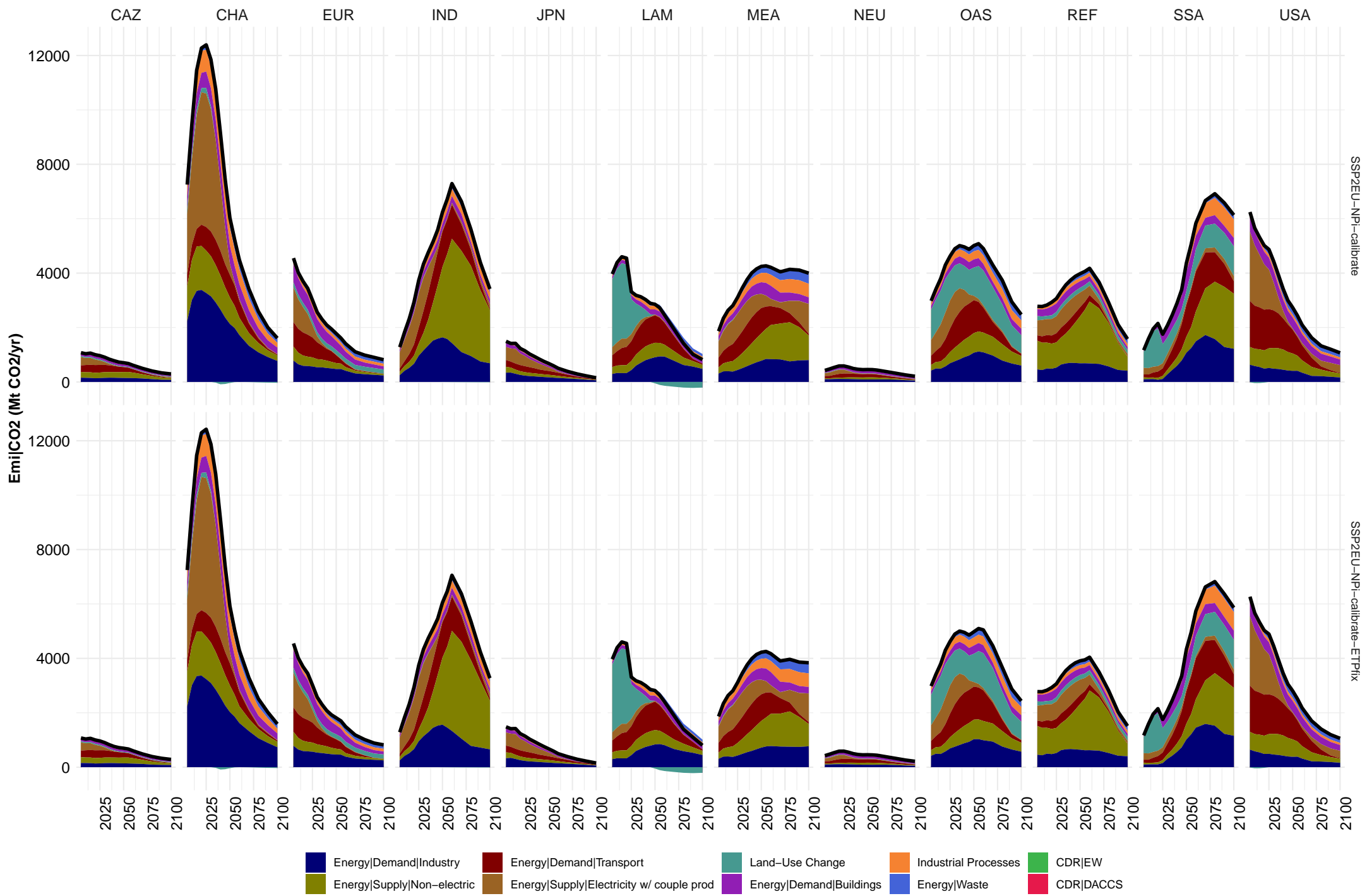
3.3.3 Other - Outside ETS and ESR



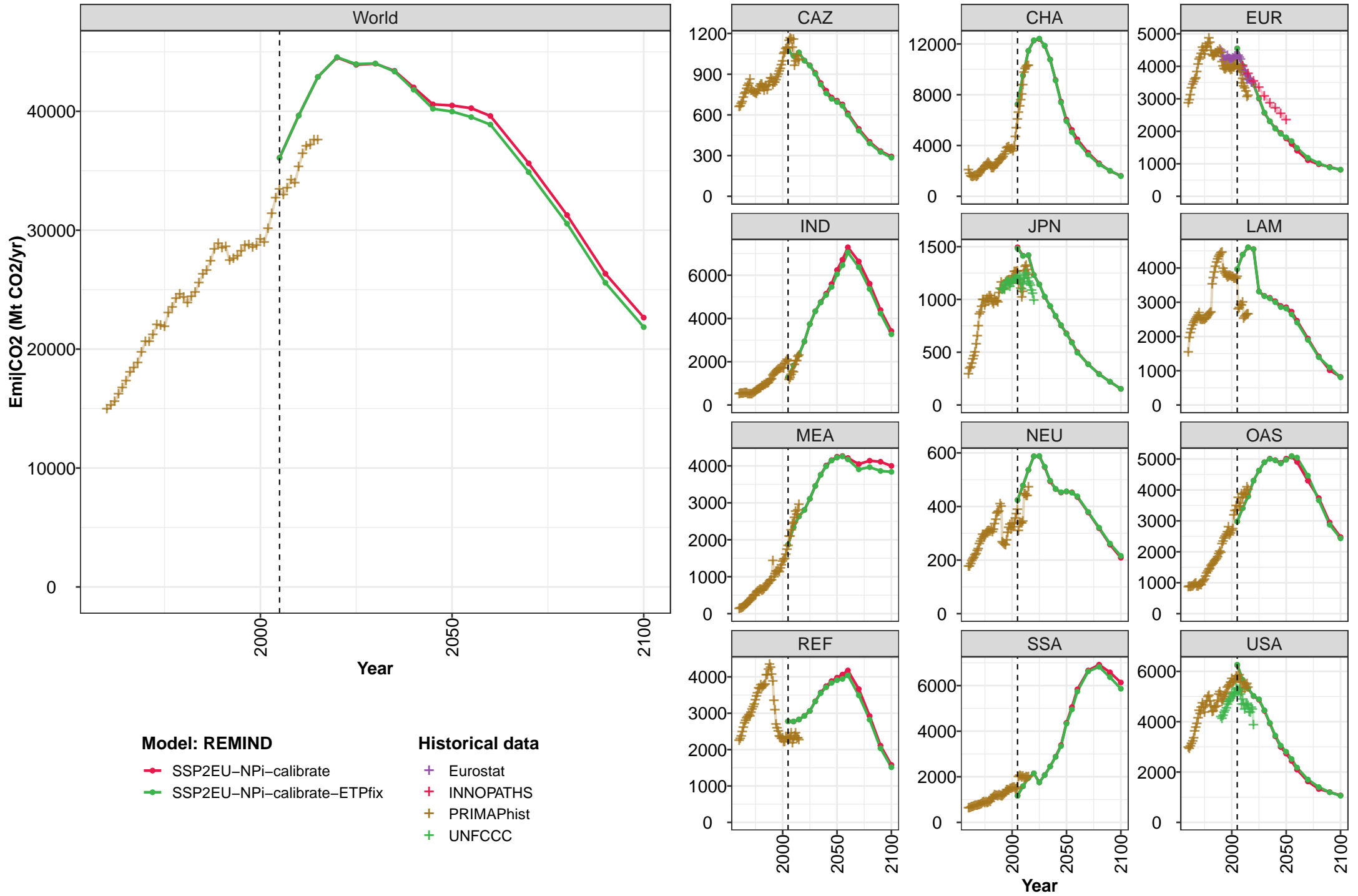
3.4 CO2

3.4.1 CO2 by sector (net emissions, incl. BECCS)

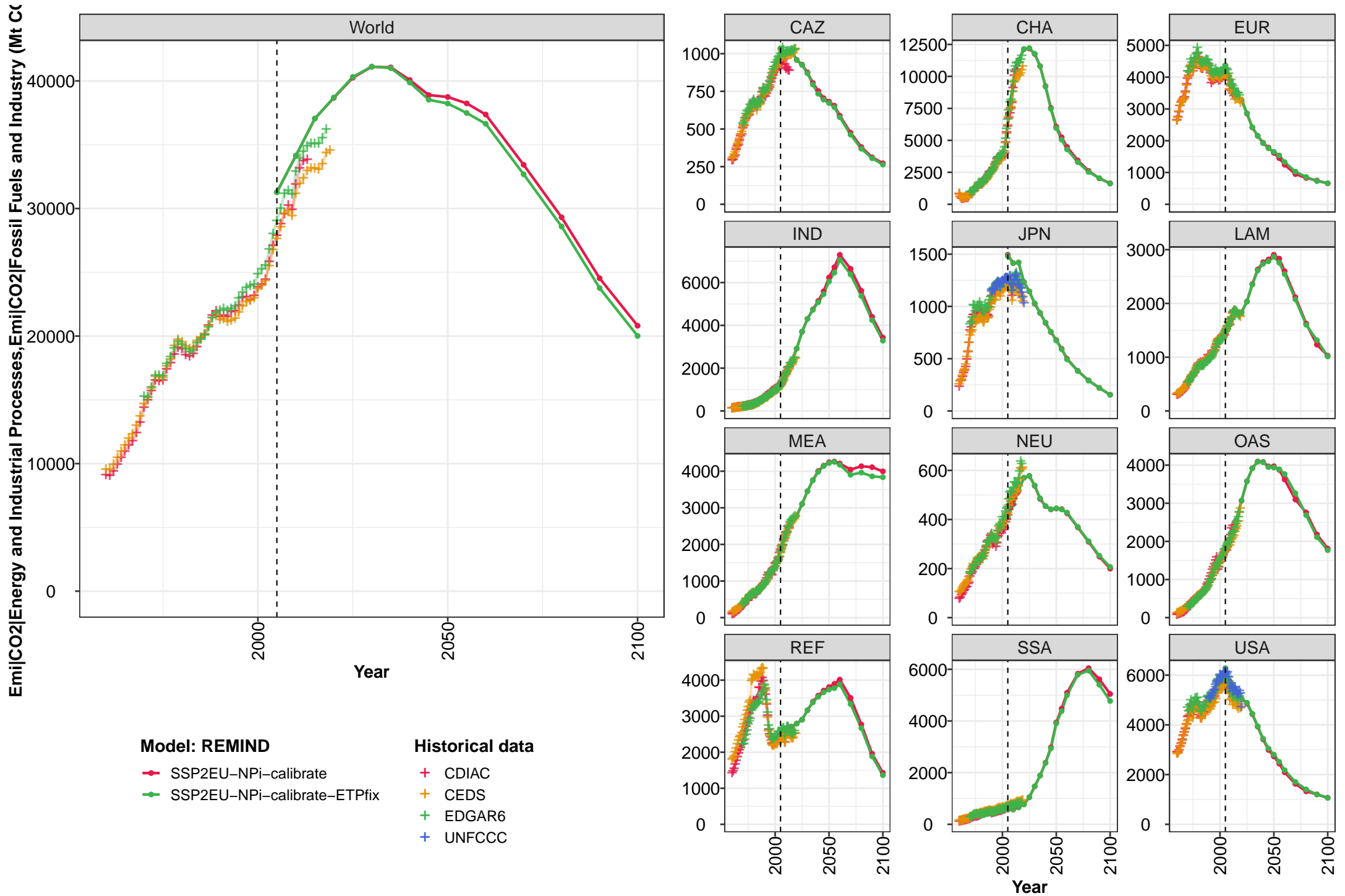




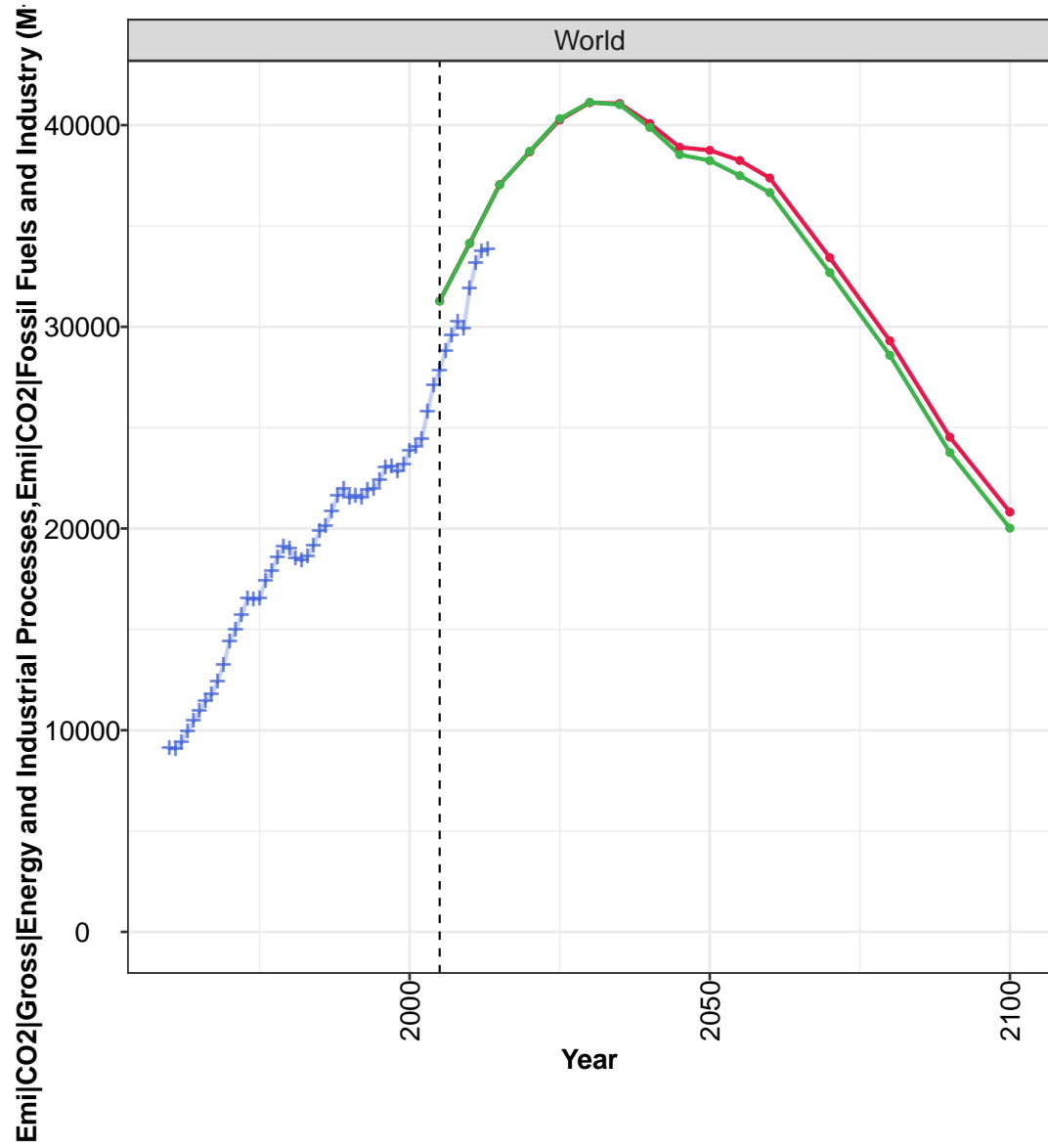
3.4.2 Total CO2



3.4.3 Energy and Industrial Processes - Net (incl BECCS)



3.4.4 Energy and Industrial Processes - Gross

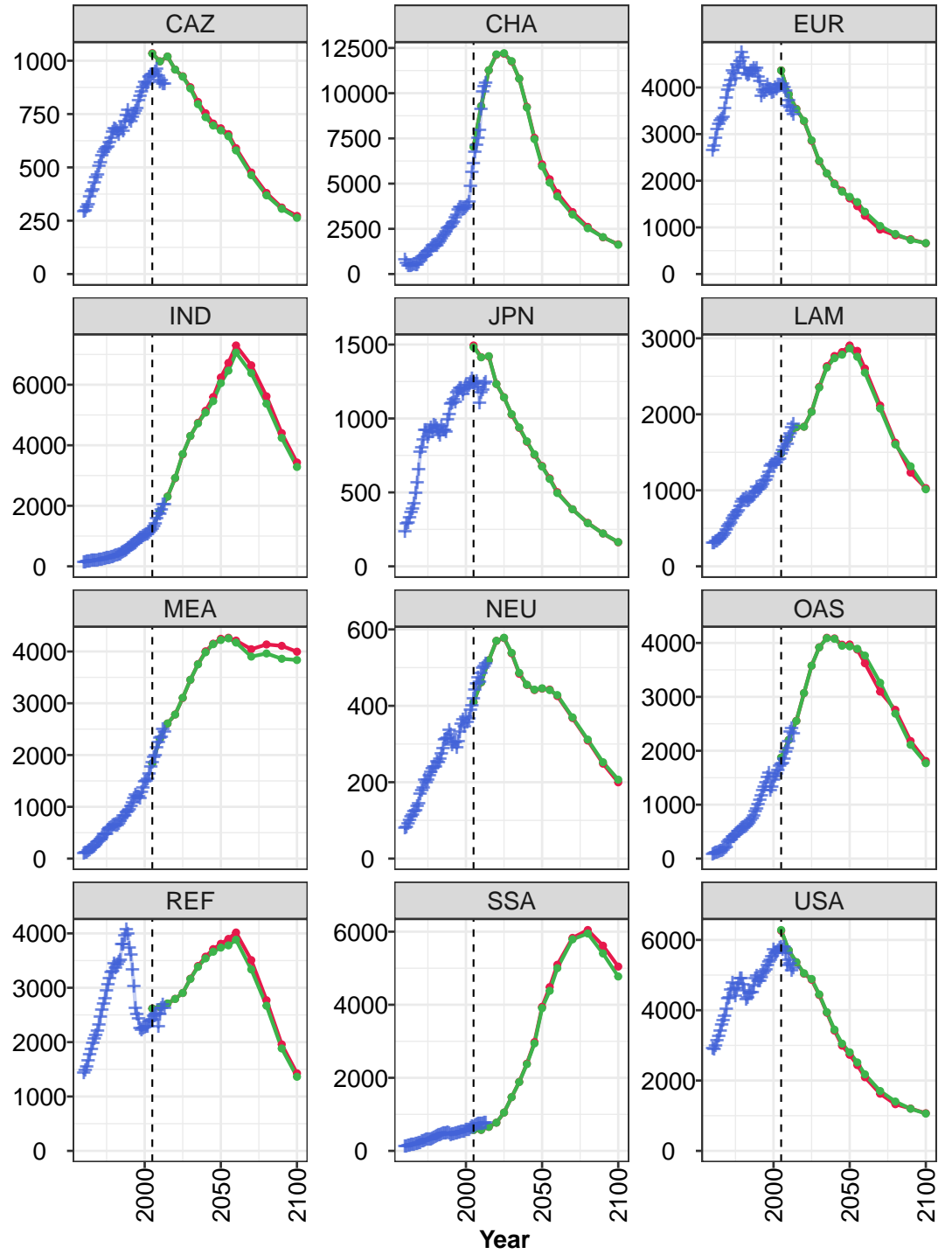


Model: REMIND

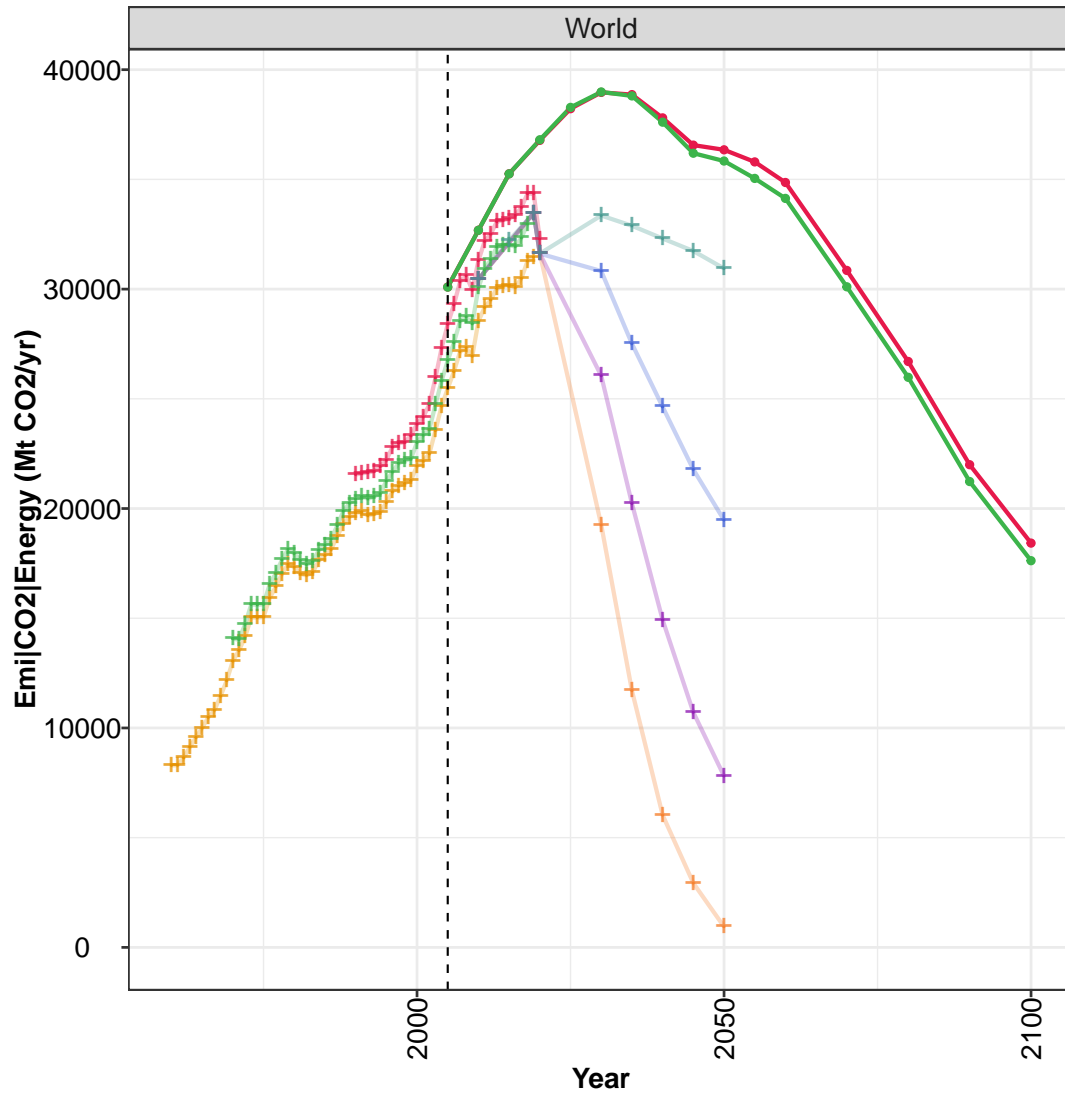
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + CDIAC



3.4.5 Energy

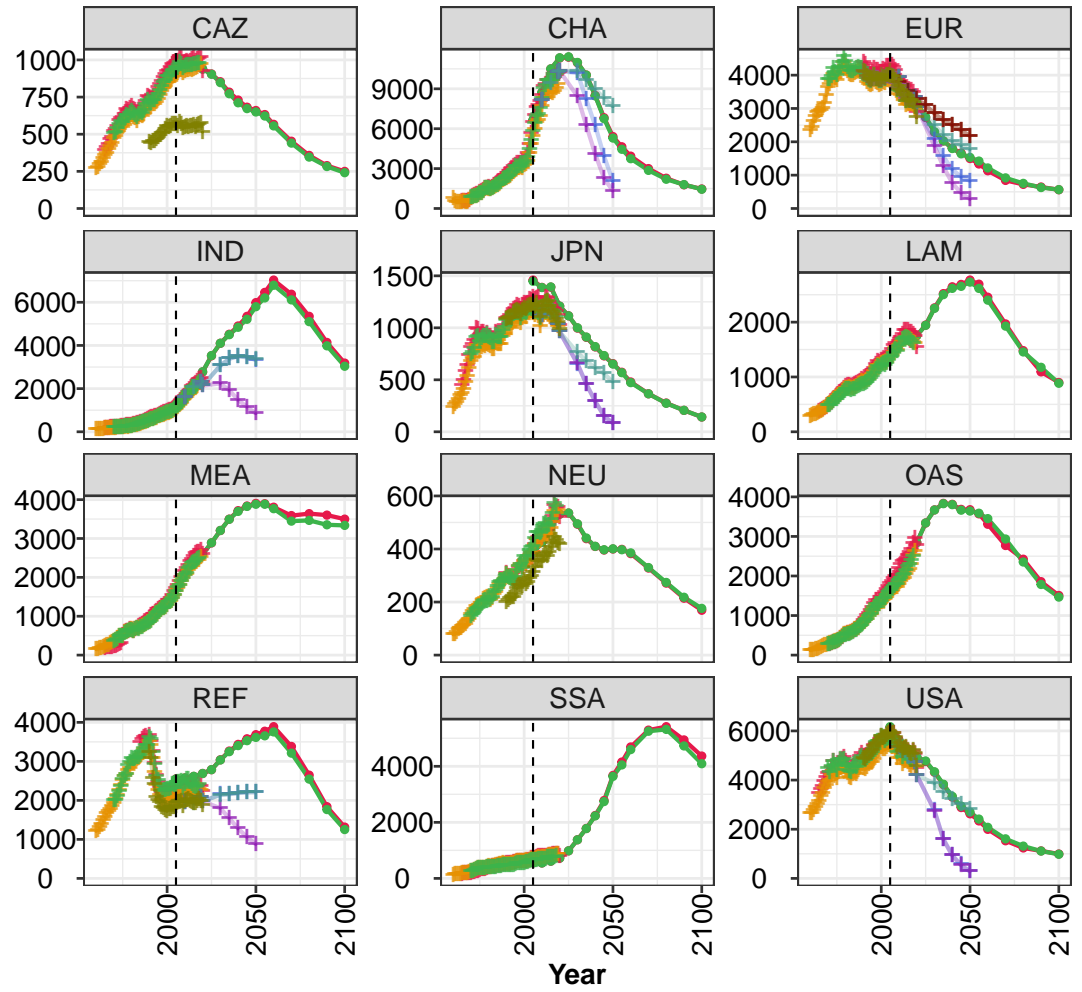


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + BP
- + CEDS
- + EDGAR6
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS



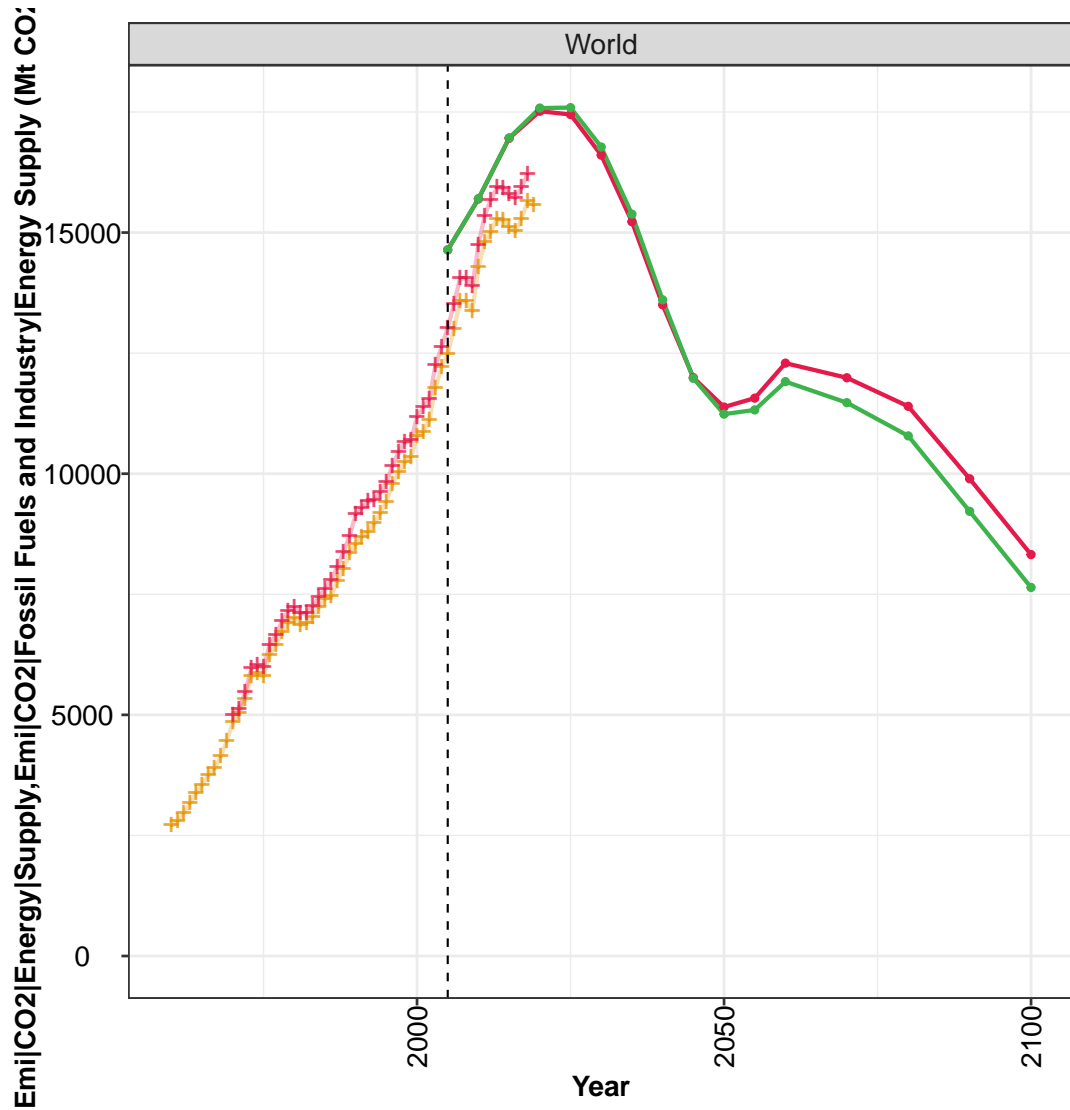
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + BP
- + CEDS
- + EDGAR6
- + EU_ReferenceScenario_2016
- + Eurostat
- + IEA WEO 2021 APS
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS
- + INNPATHS
- + UNFCCC

3.4.6 Energy Supply

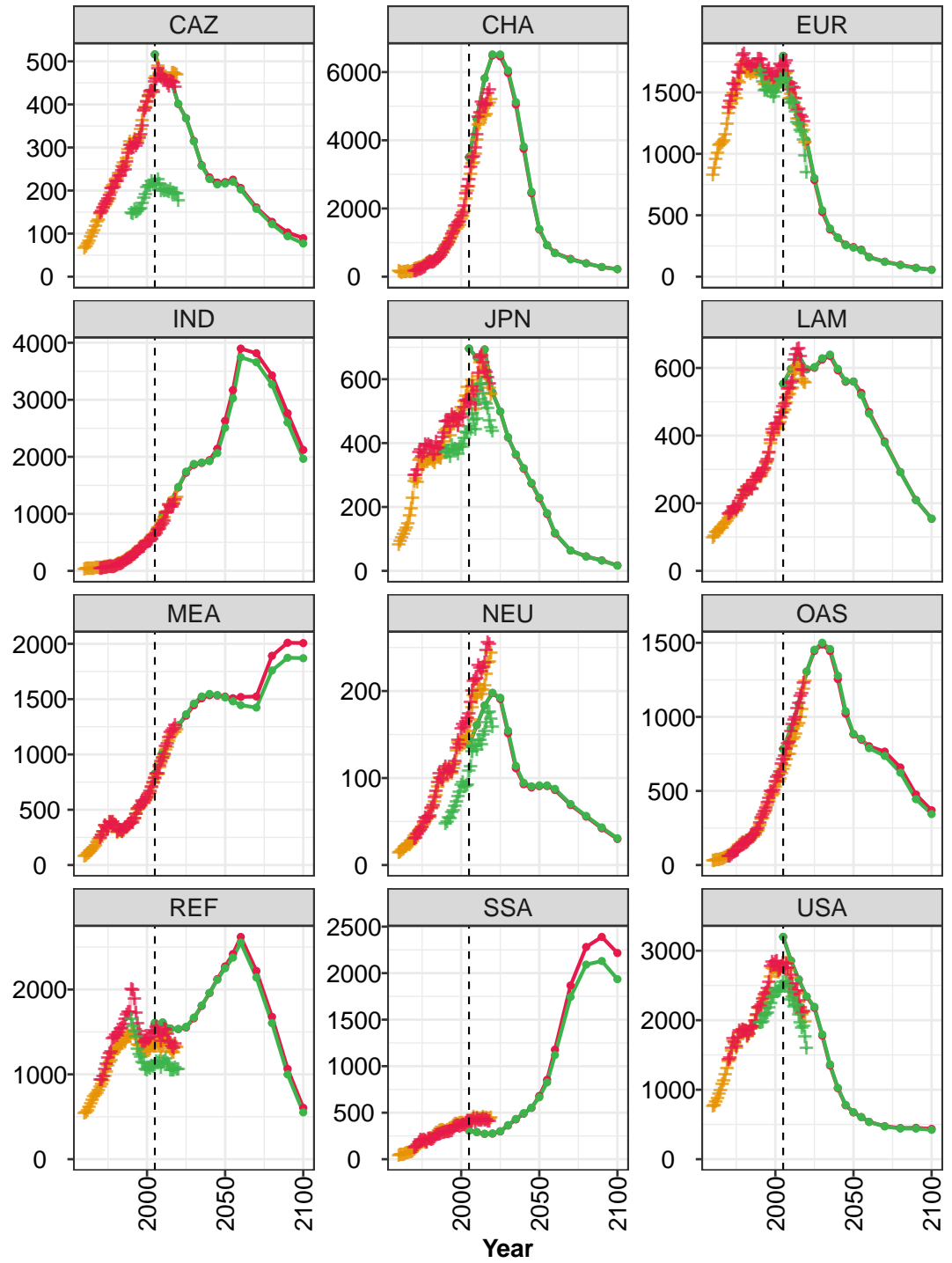


Model: REMIND

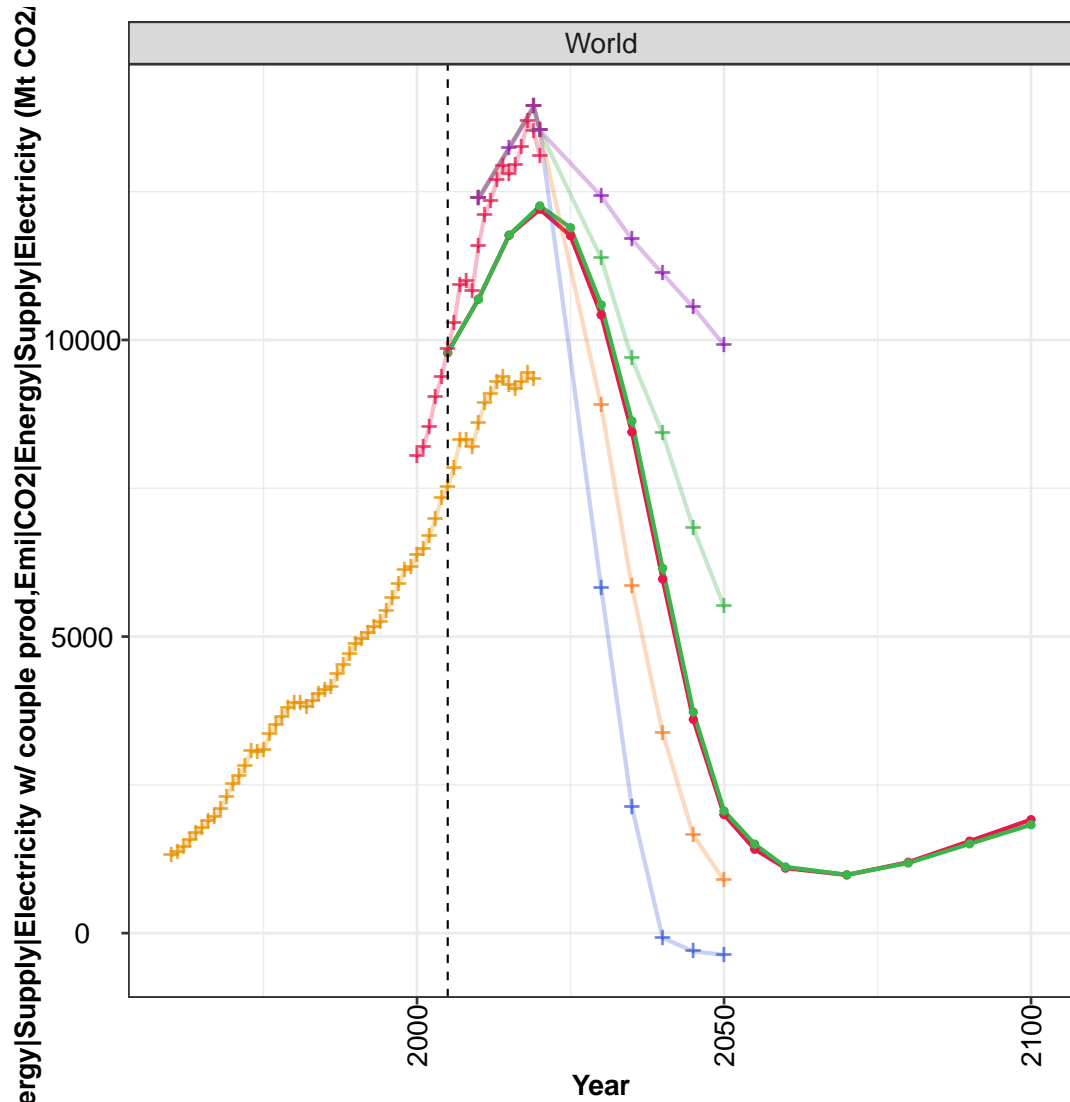
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + CEDS
- + EDGAR6
- + UNFCCC



3.4.7 Electricity

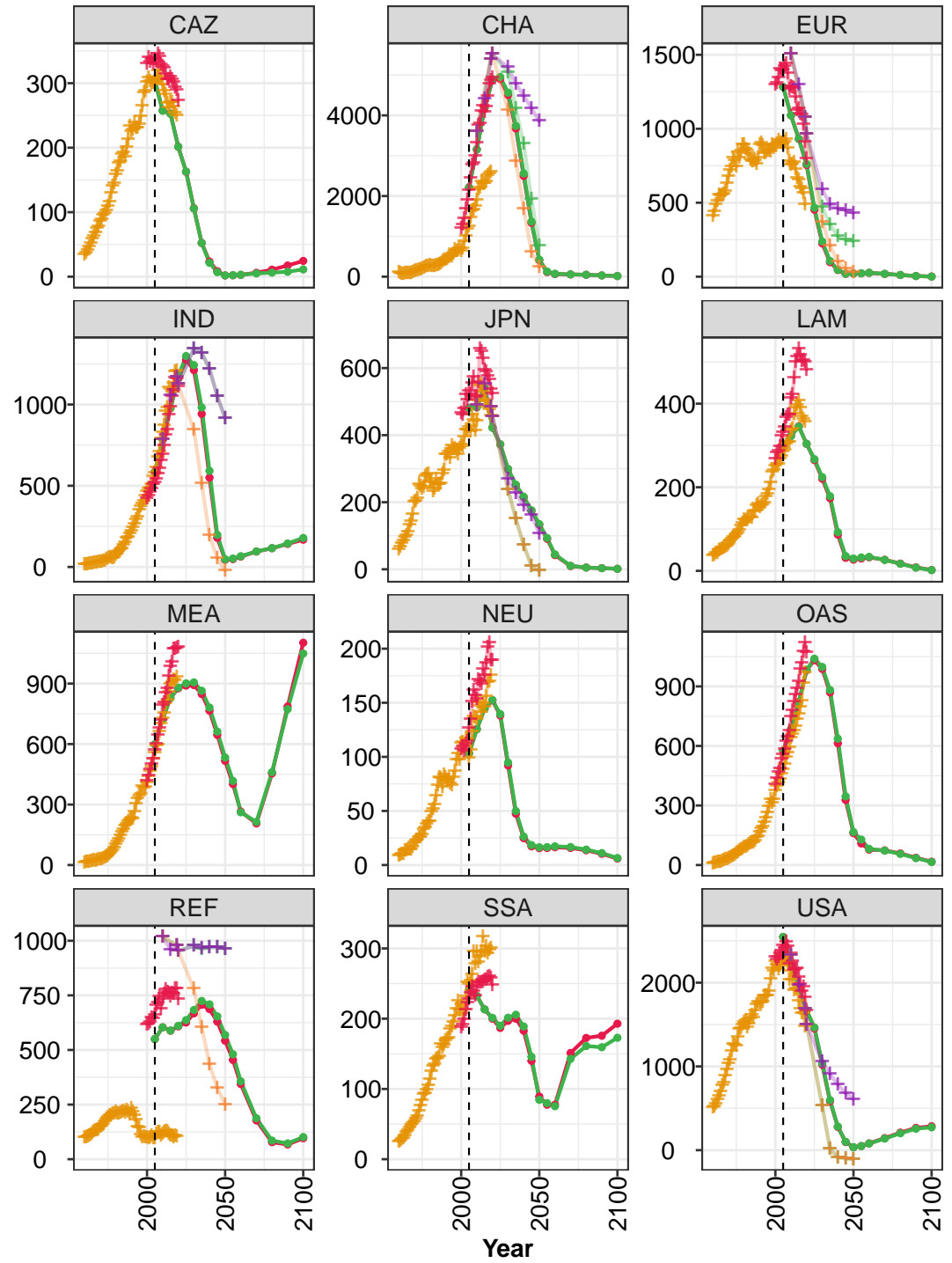


Model: REMIND

- +— SSP2EU-NPi-calibrate
- +— SSP2EU-NPi-calibrate-ETPfix

Historical data

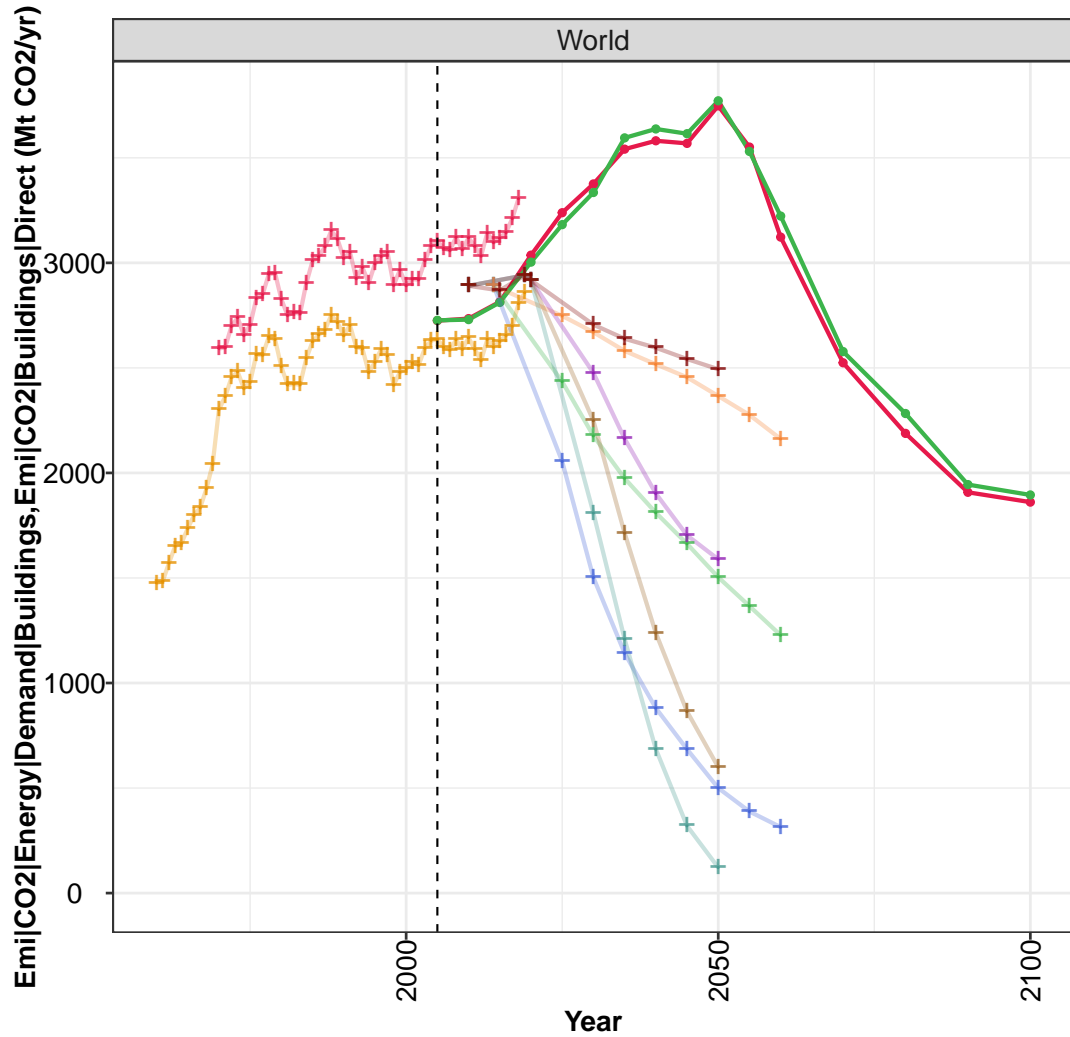
- + CEDS
- + Ember
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS



3.4.8 Electricity and Heat

```
## Error in mipLineHistorical(., x_hist = dMainHist, ylab = label, scales = scales, : Number of provided colors for historical data (#2) does not match number
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3.4.9 Buildings

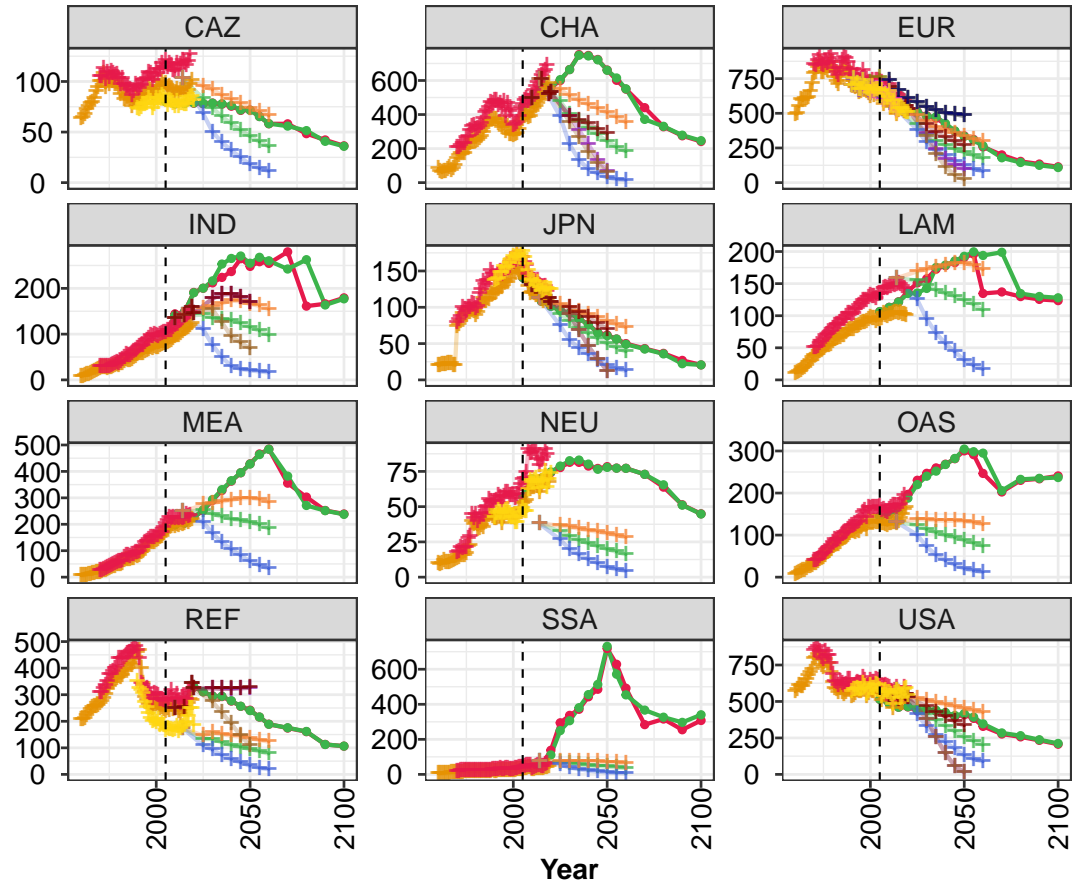


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + CEDS
- + EDGAR6
- + IEA ETP 2DS
- + IEA ETP B2DS
- + IEA ETP RTS
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS



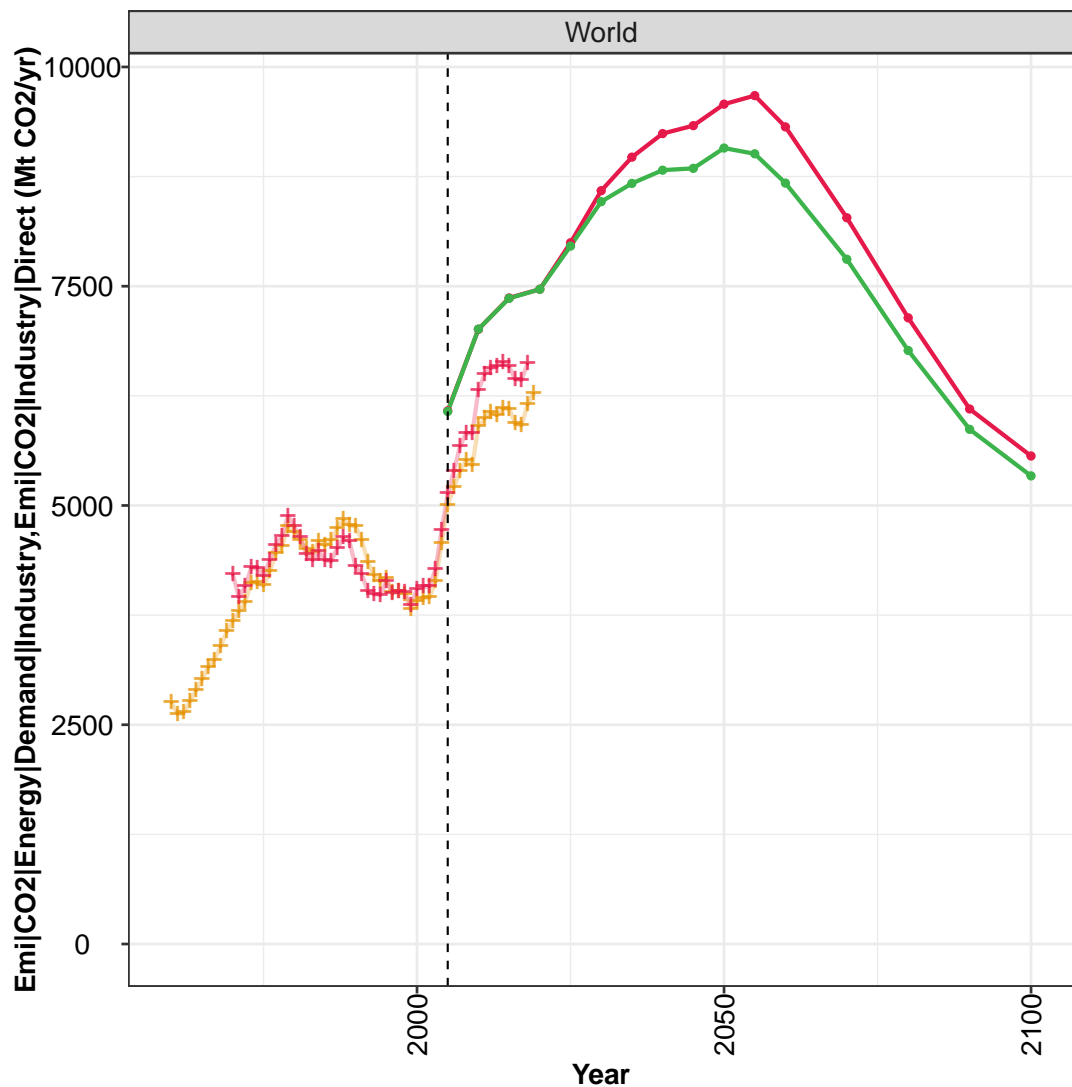
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + CEDS
- + EDGAR6
- + EU_ReferenceScenario_2016
- + Eurostat
- + IEA ETP 2DS
- + IEA ETP B2DS
- + IEA ETP RTS
- + IEA WEO 2021 APS
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS
- + INNOPATHS
- + JRC
- + UNFCCC

3.4.10 Industry

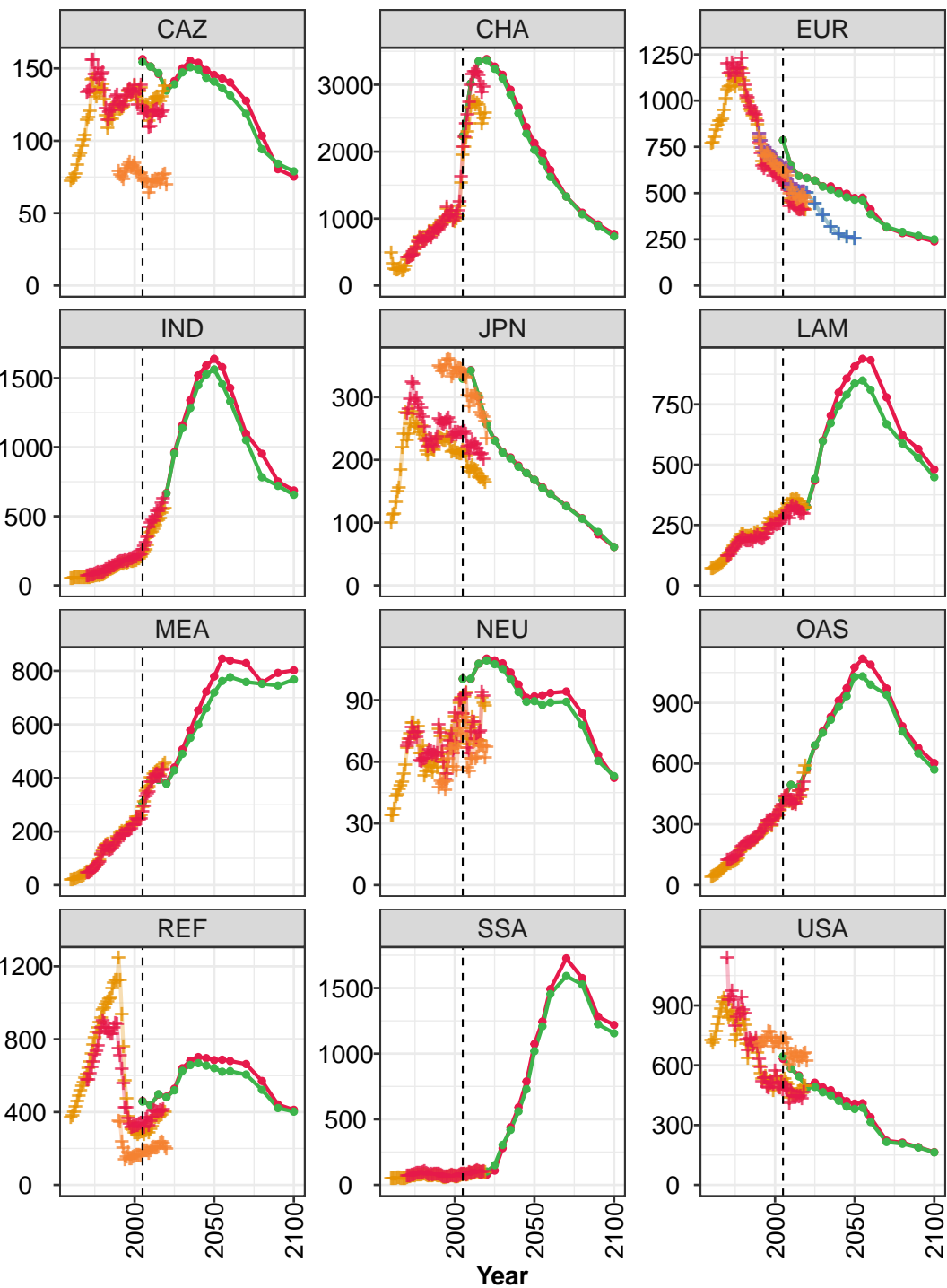


Model: REMIND

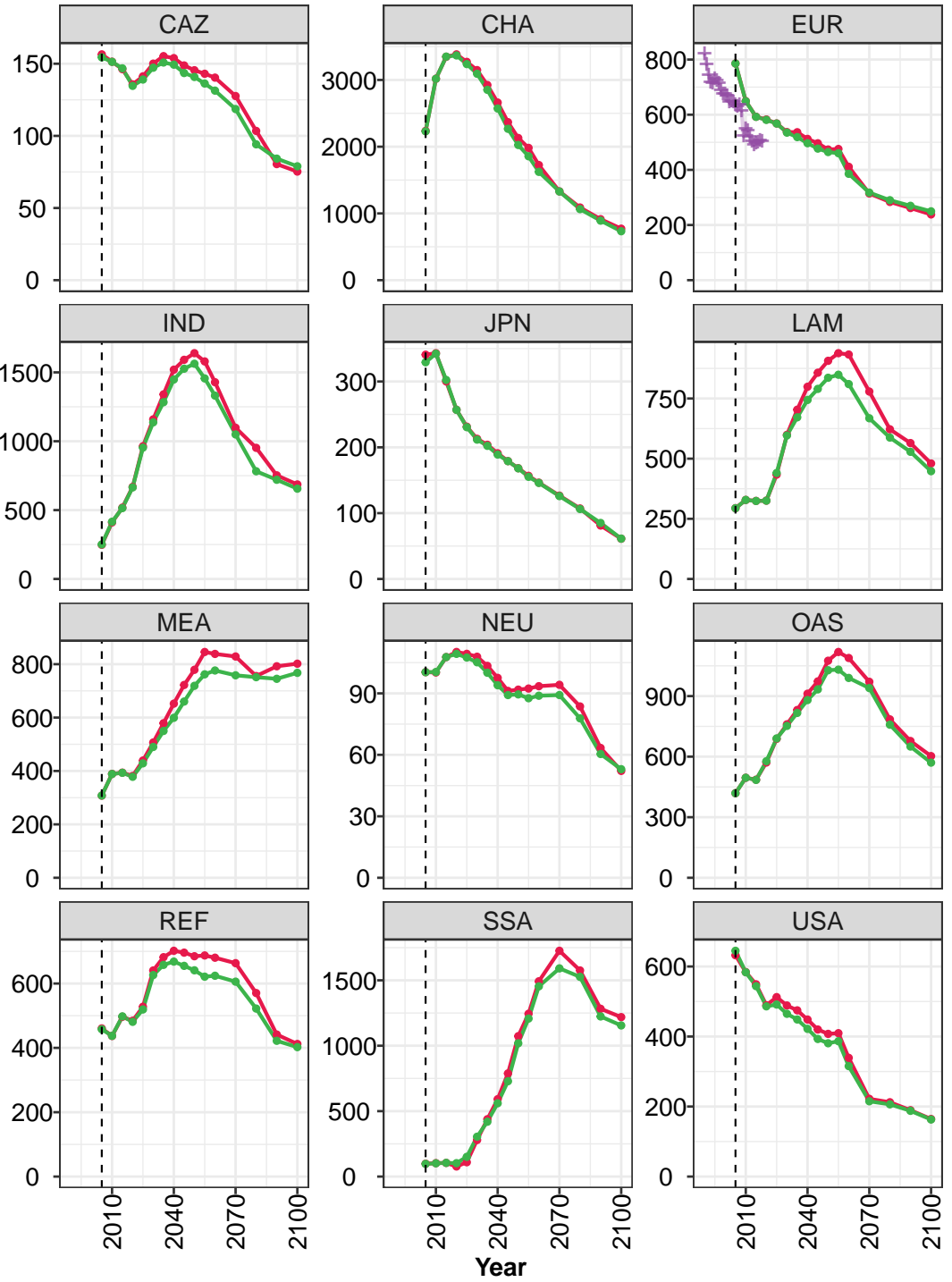
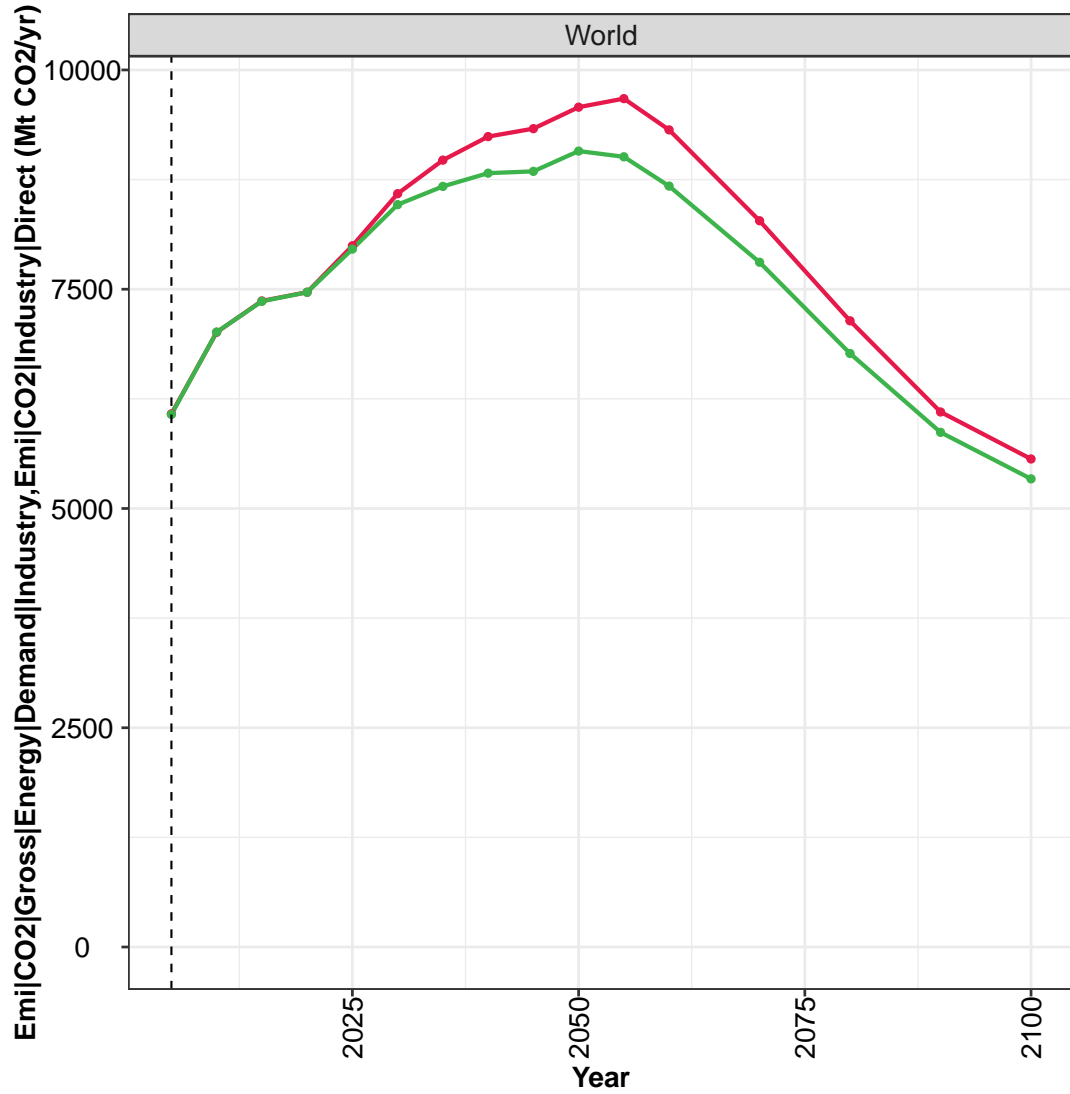
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + CEDS
- + EDGAR6
- + EU_ReferenceScenario_2016
- + Eurostat
- + INNOPATHS
- + UNFCCC



3.4.11 Industry, Gross



Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

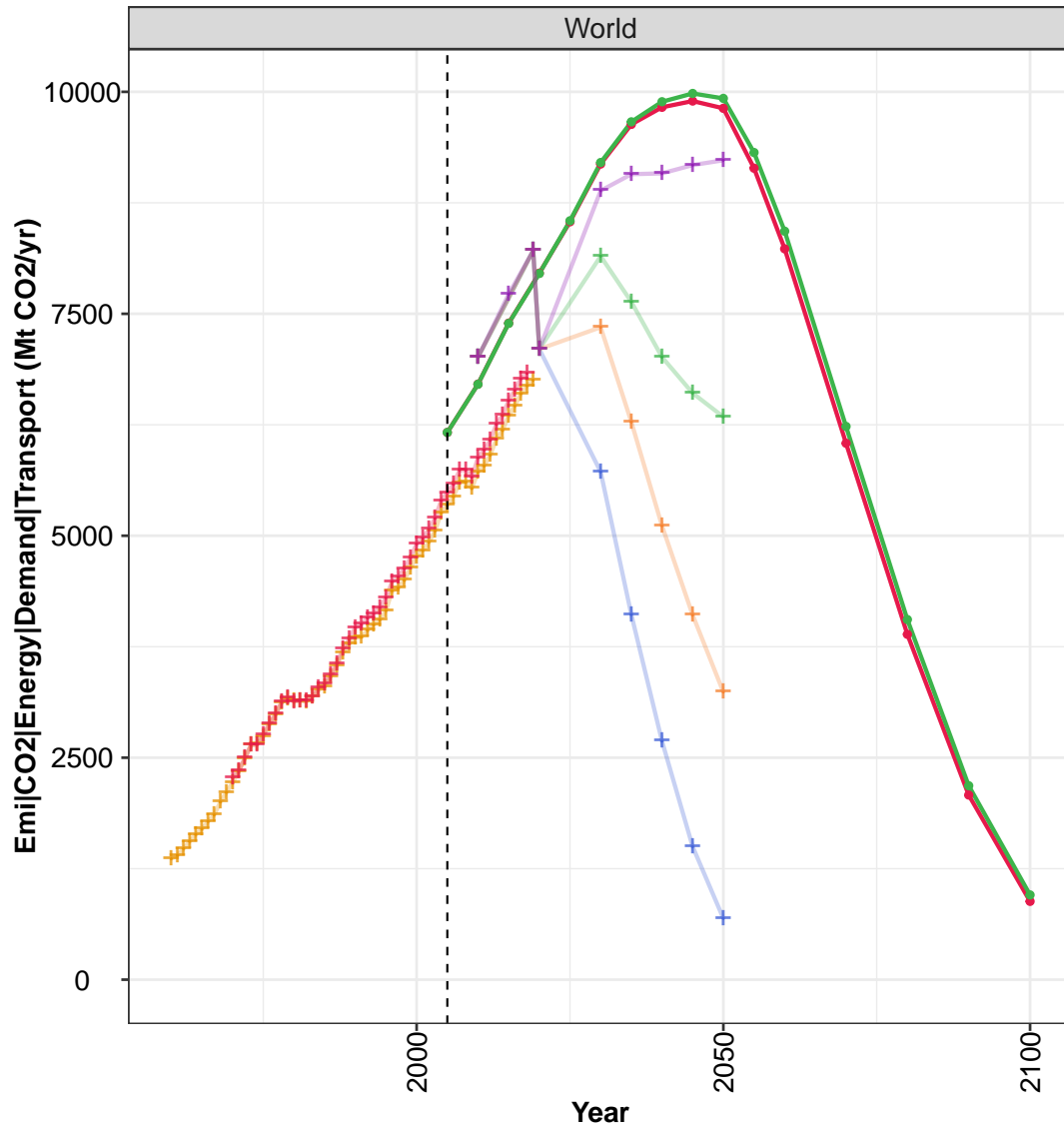
Historical data

- + Eurostat

3.4.12 Industry with Industrial Processes

```
## Error in mipLineHistorical(., x_hist = dRegiHist, ylab = NULL, scales = scales, : Number of provided colors for historical data (#6) does not match number of
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3.4.13 Transport

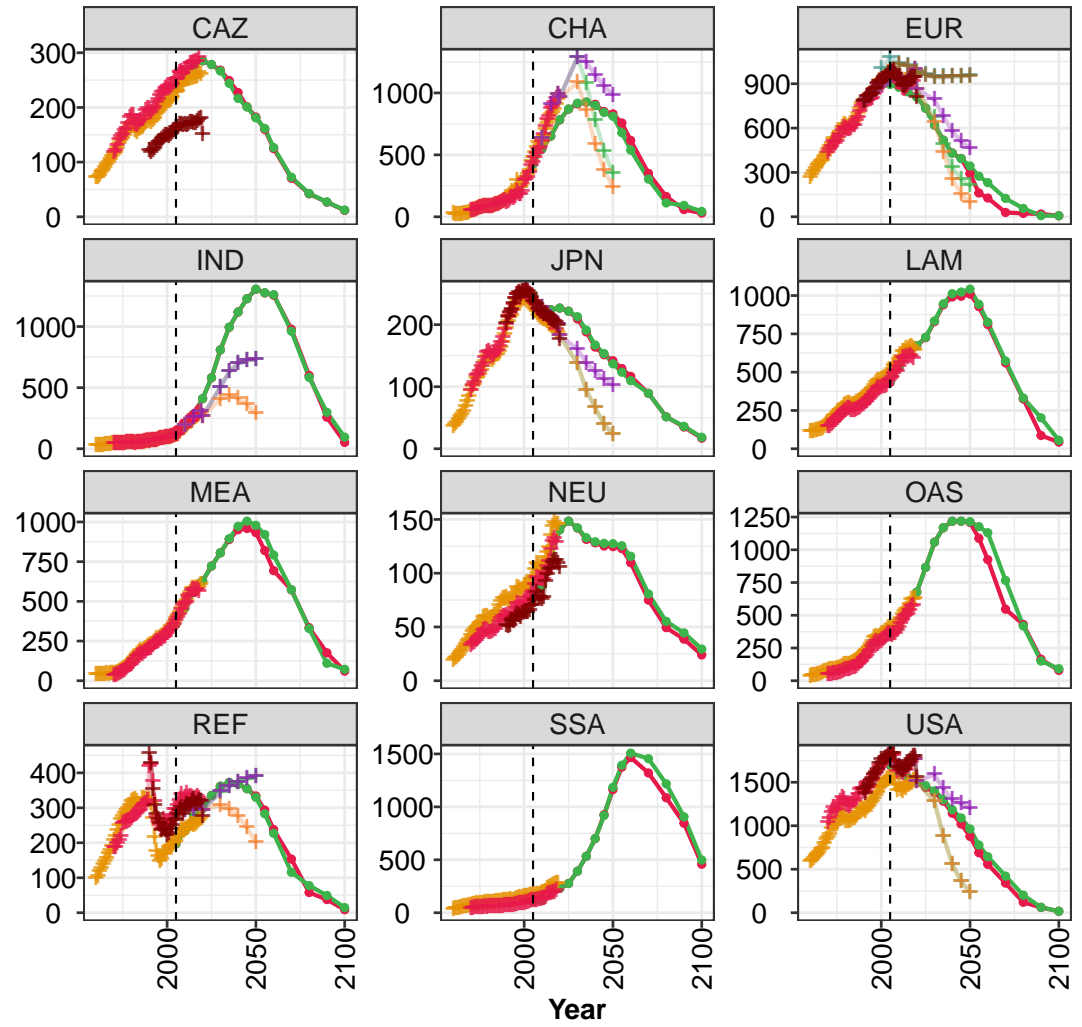


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + CEDS
- + EDGAR6
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS

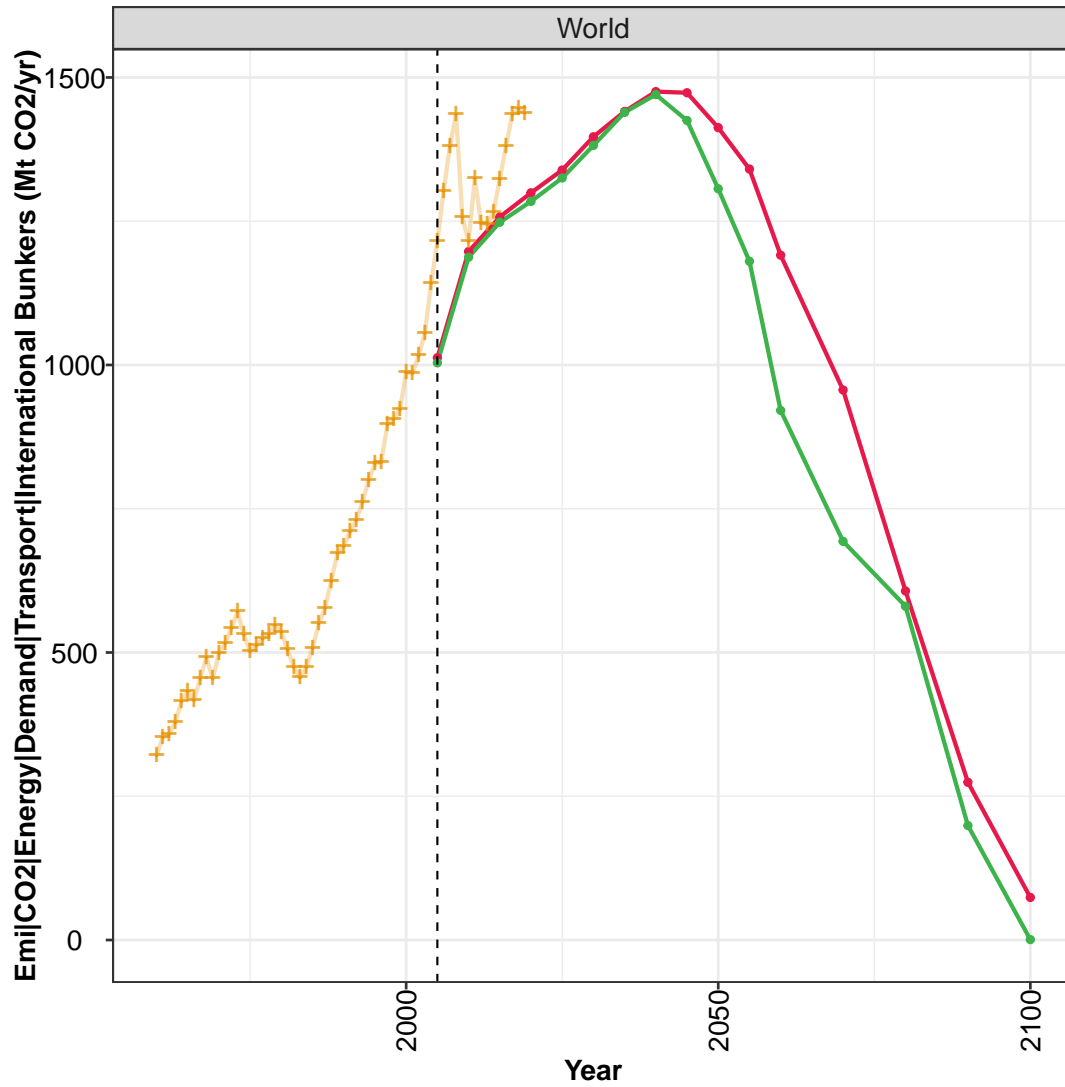


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + CEDS
- + EDGAR6
- + EU_ReferenceScenario_2016
- + Eurostat
- + IEA WEO 2021 APS
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS
- + INNOPATHS
- + UNFCCC

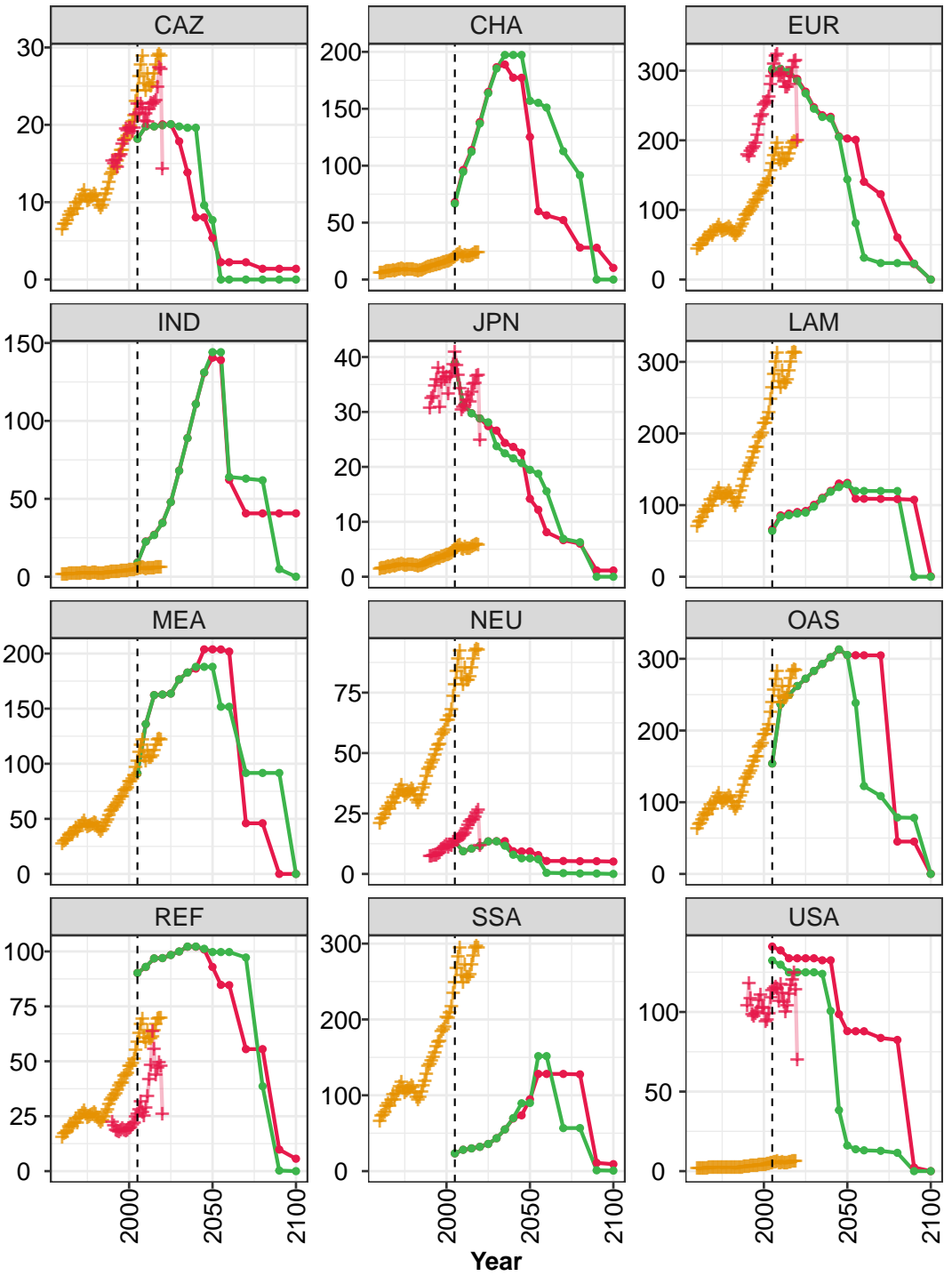


Model: REMIND

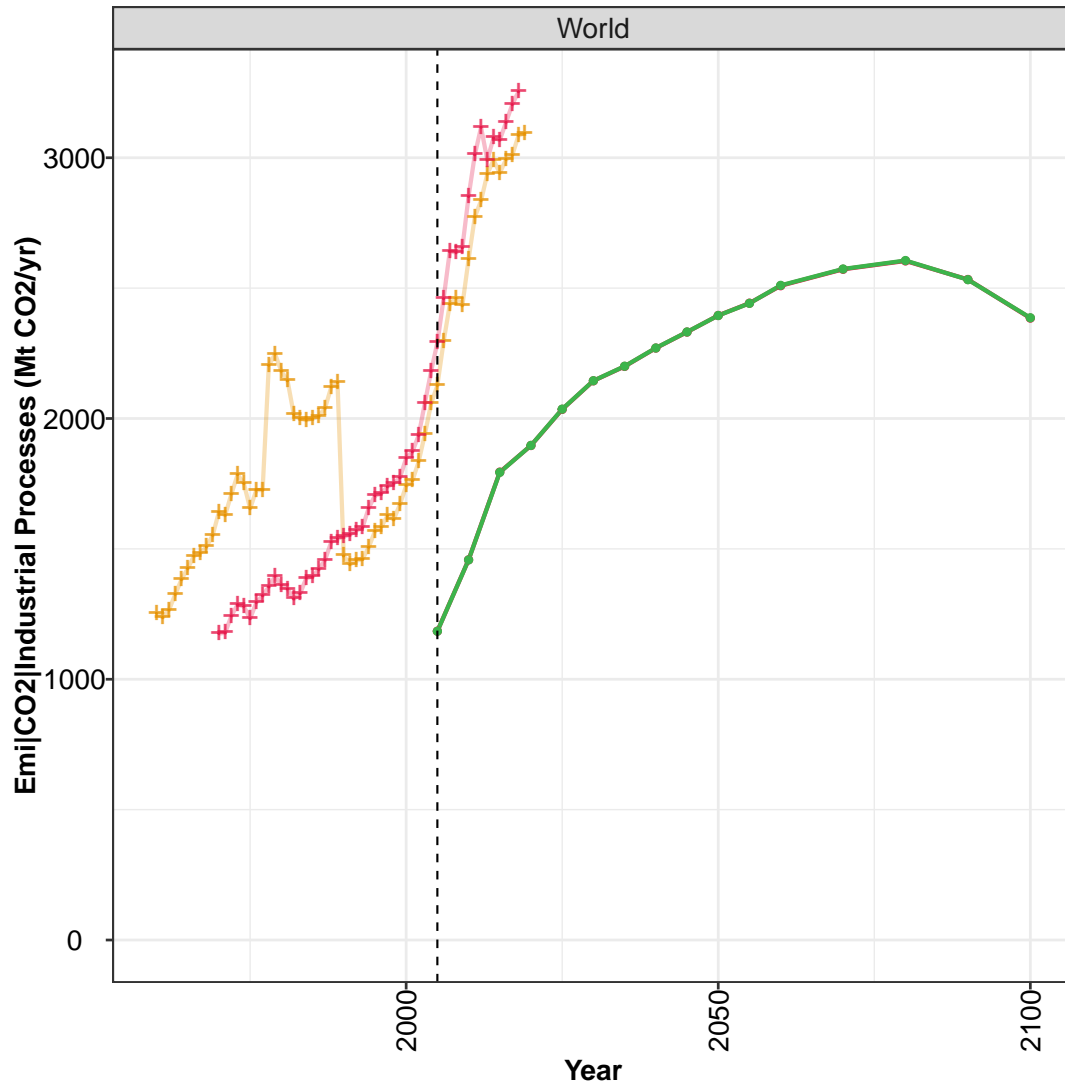
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + CEDS
- + UNFCCC



3.4.15 Process Emissions

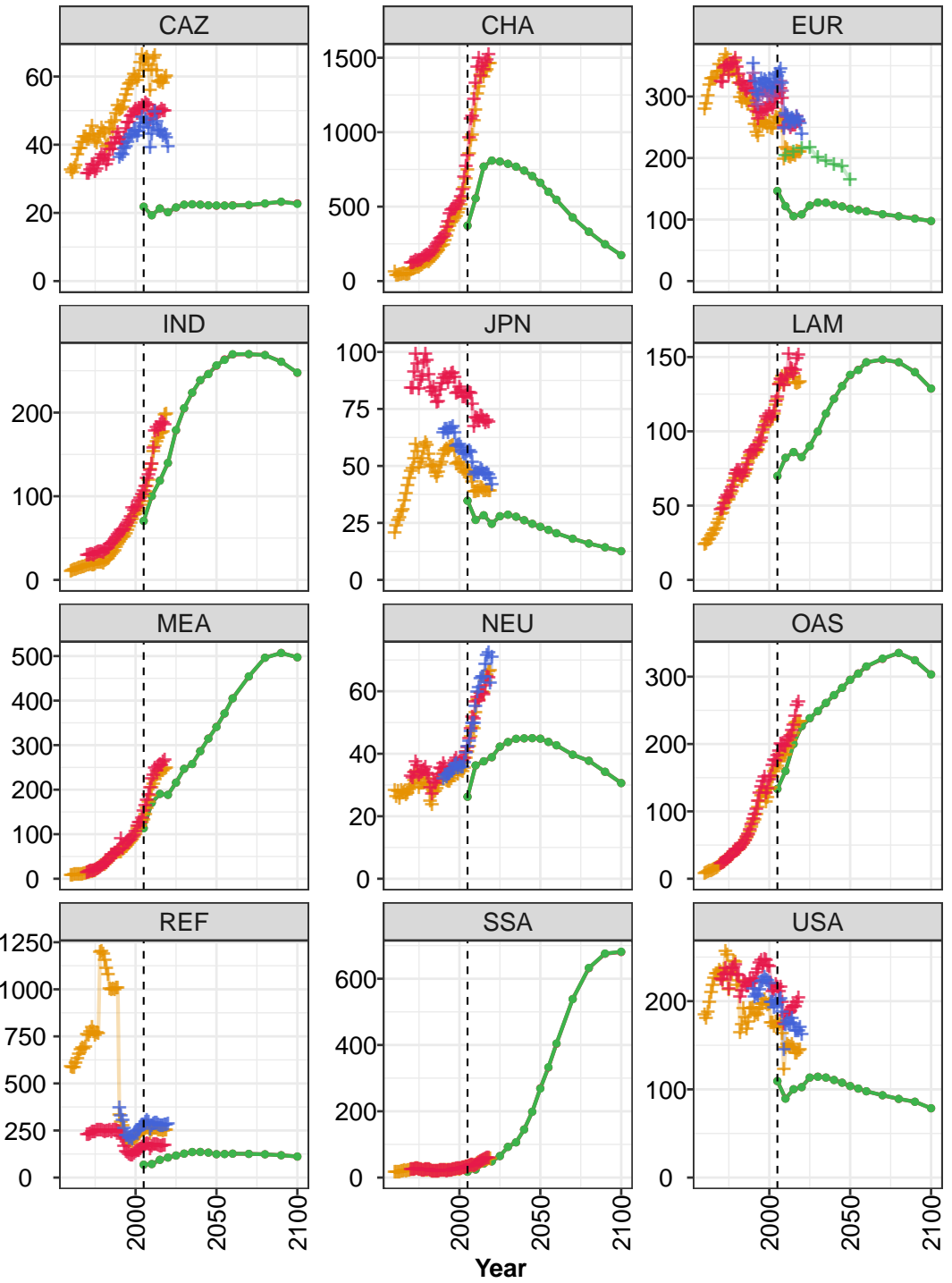


Model: REMIND

- +— SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

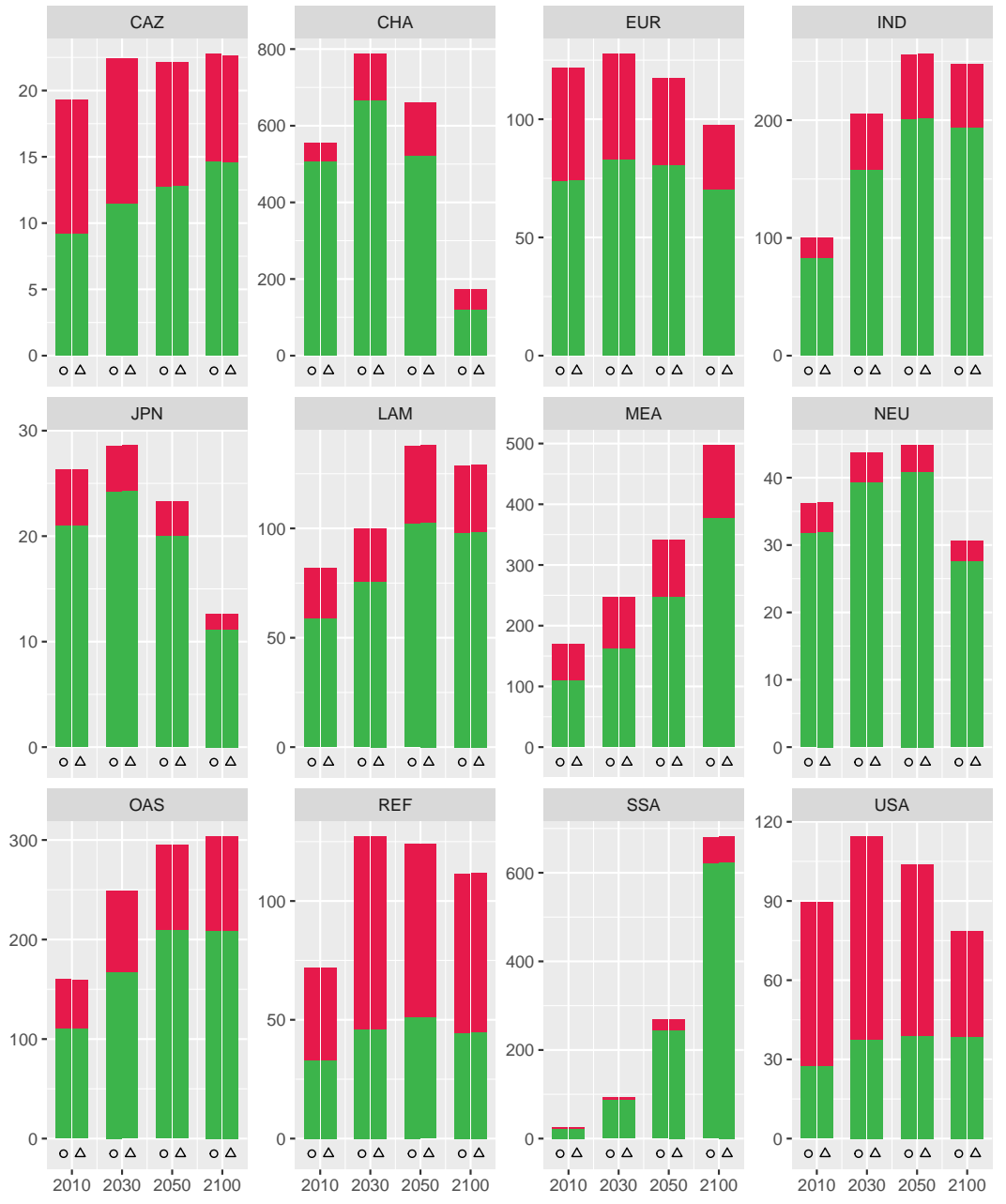
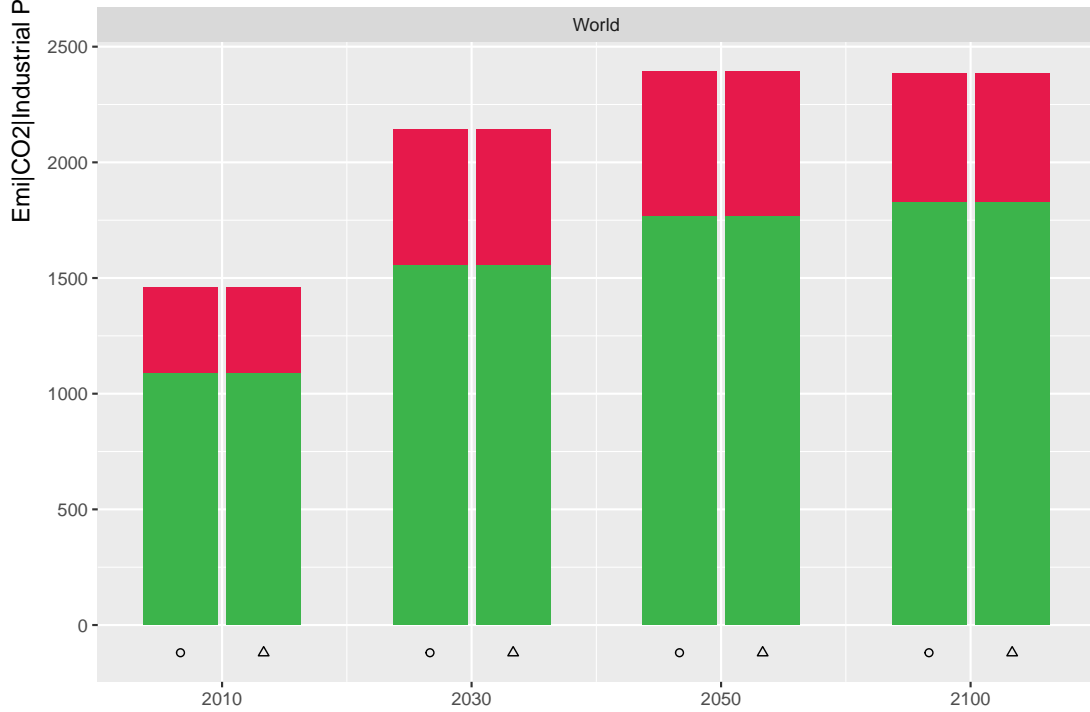
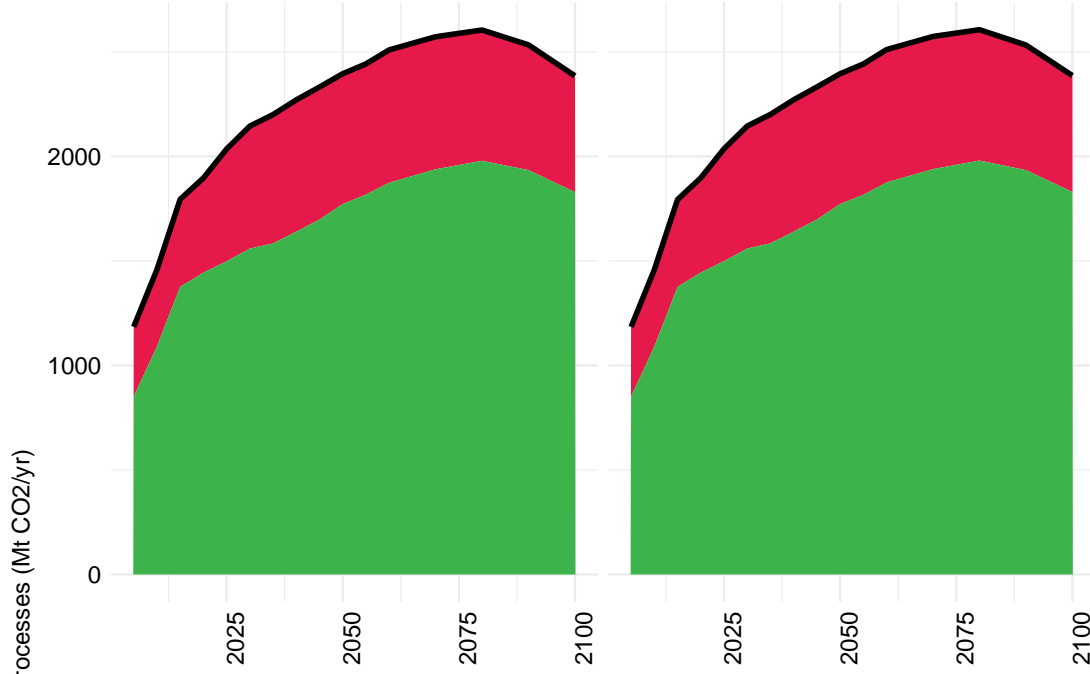
Historical data

- + CEDS
- + EDGAR6
- + Eurostat
- + INNOPATHS
- + UNFCCC



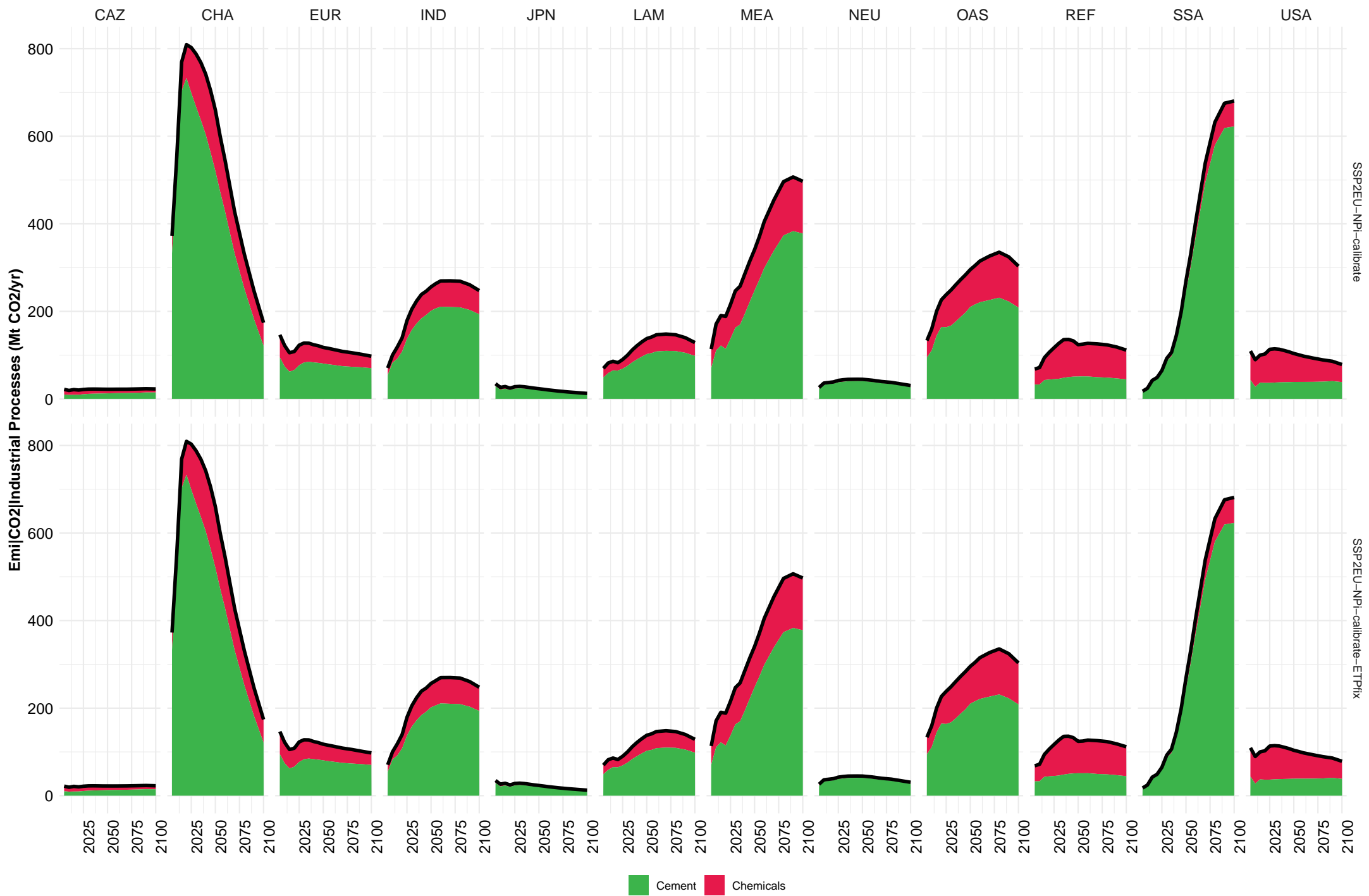
SSP2EU-NPi-calibrate

SSP2EU-NPi-calibrate-ETPfix

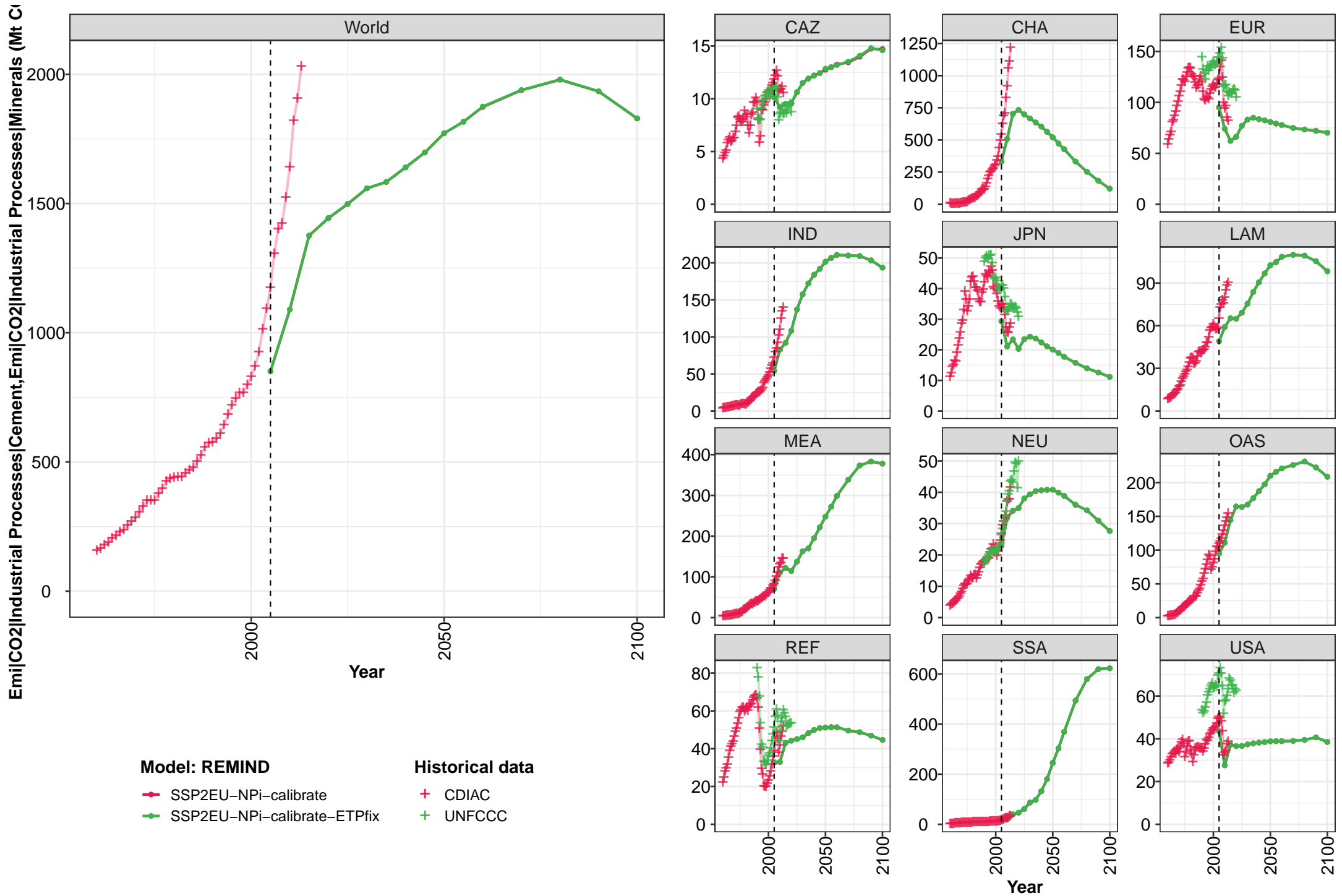


○ SSP2EU-NPi-calibrate △ SSP2EU-NPi-calibrate-ETPfix

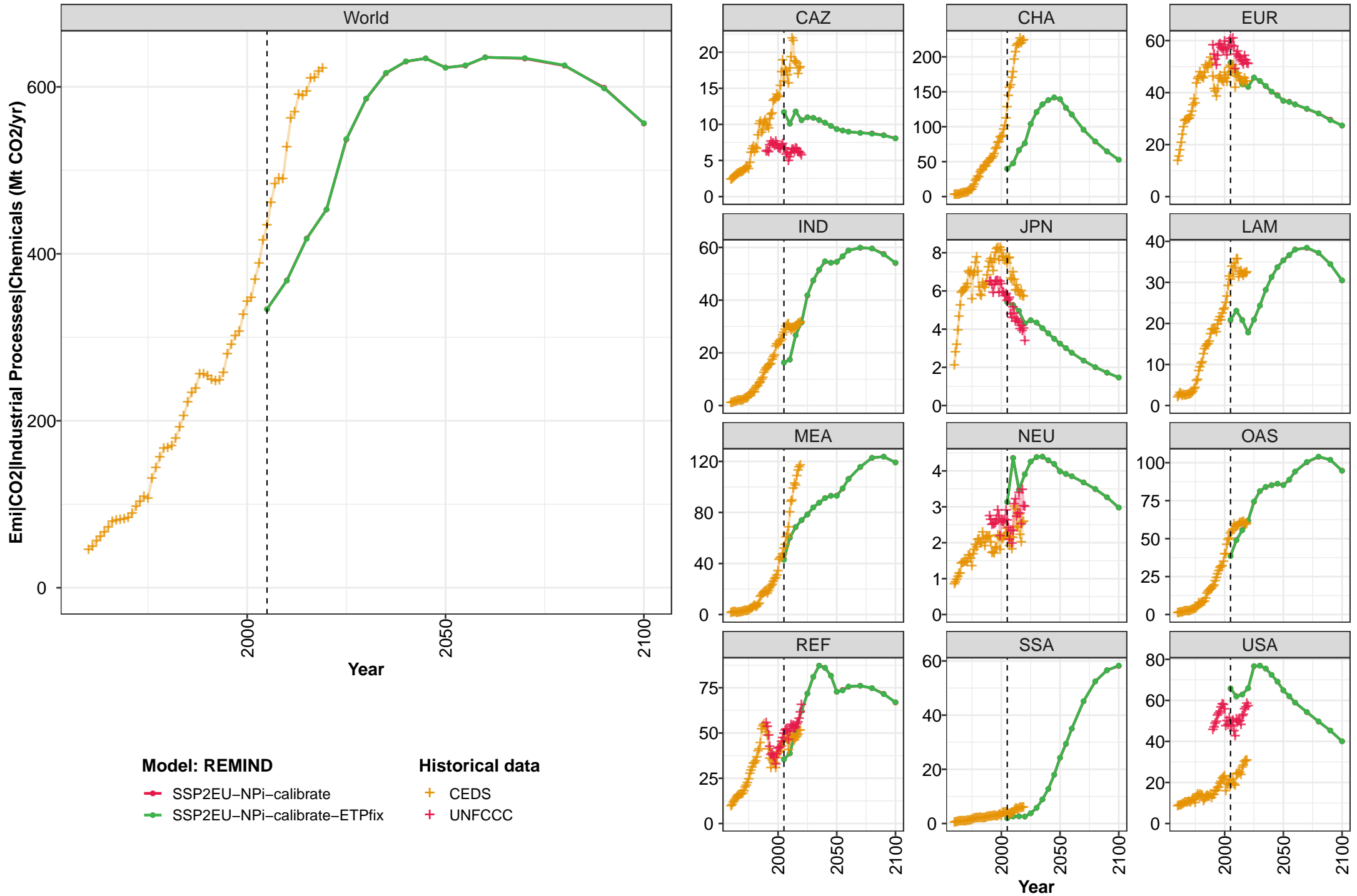
■ Cement ■ Chemicals



3.4.16 Process Emissions Cement

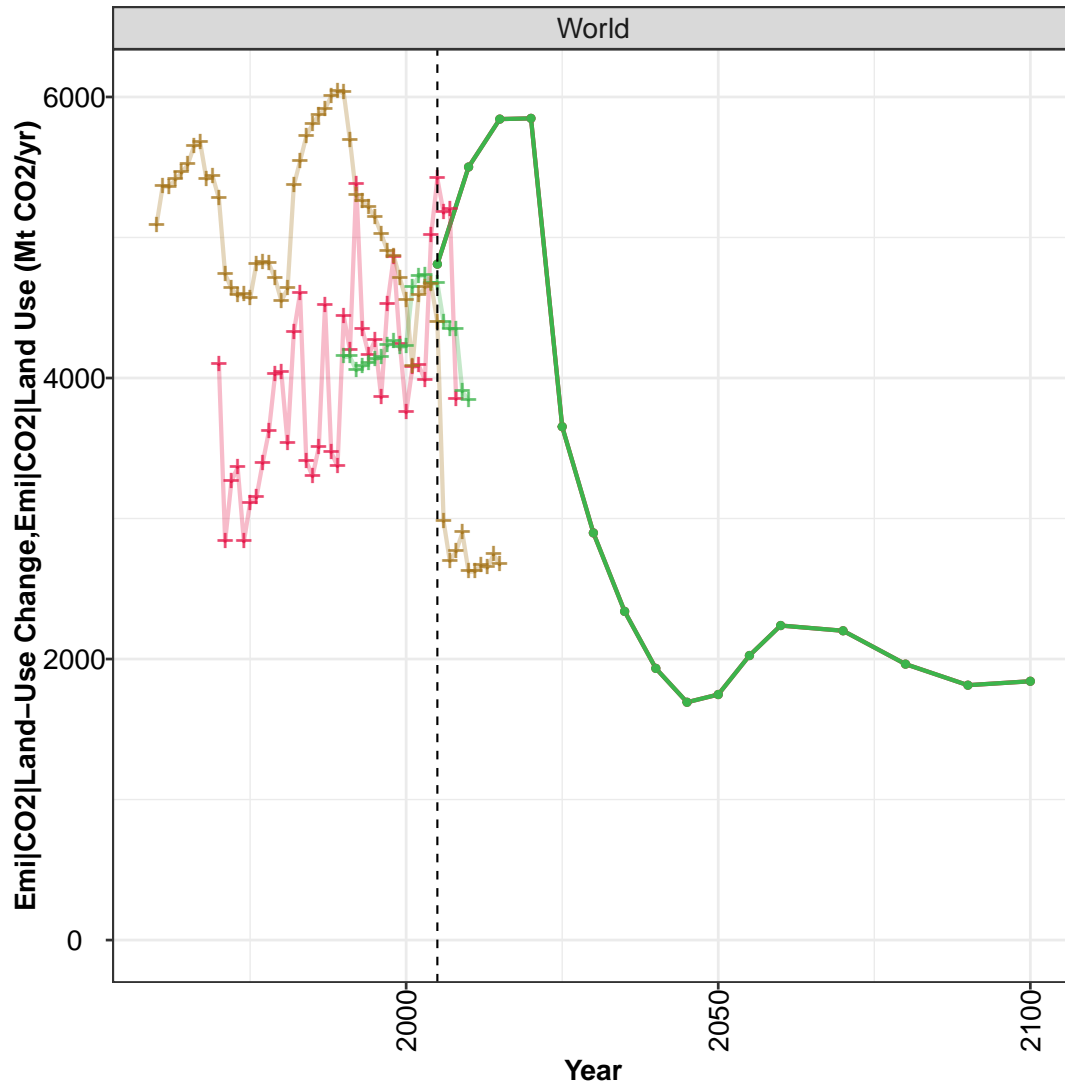


3.4.17 Process Emissions Chemicals



3.4.18 Process Emissions Metals

3.4.19 Land-Use Change

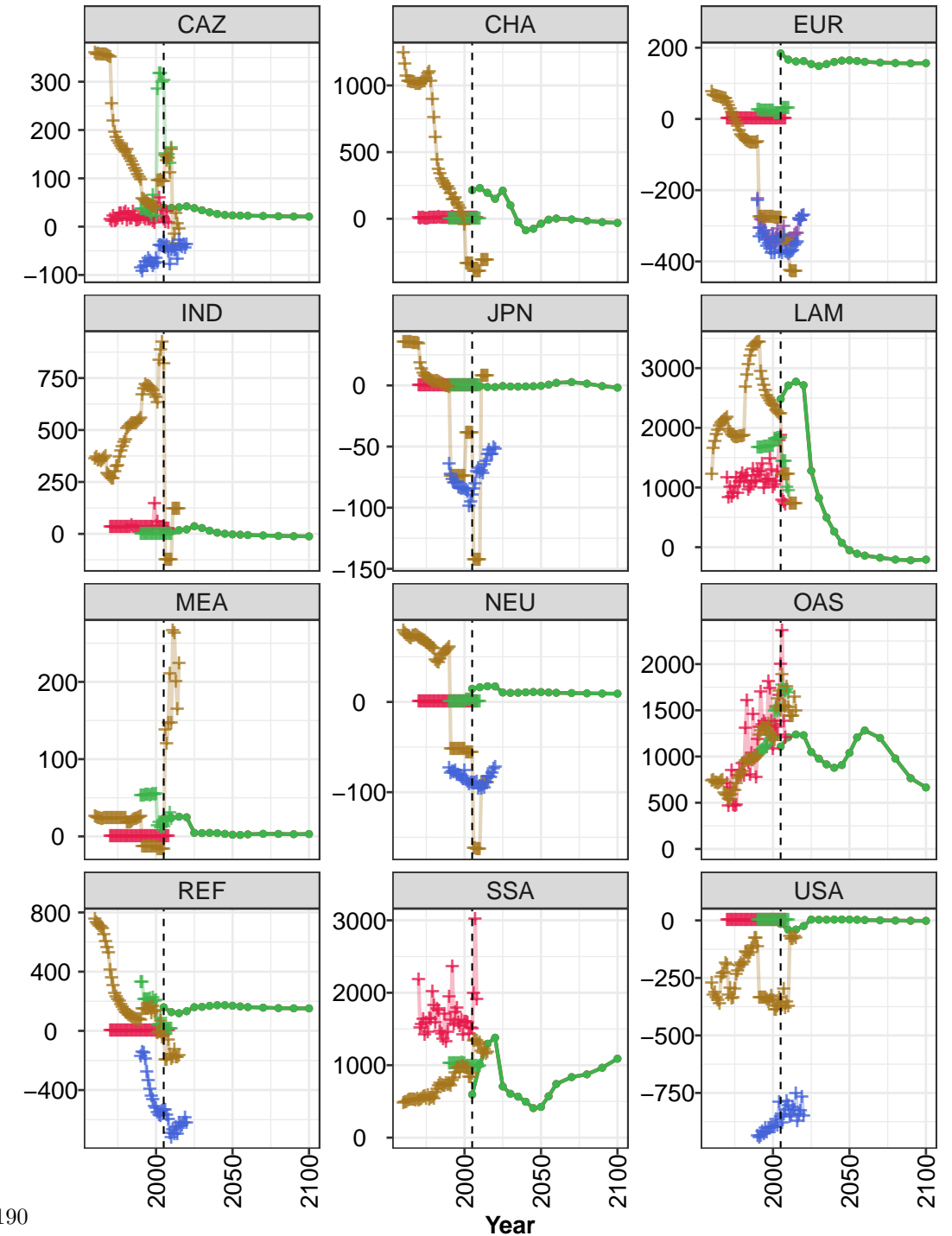


Model: REMIND

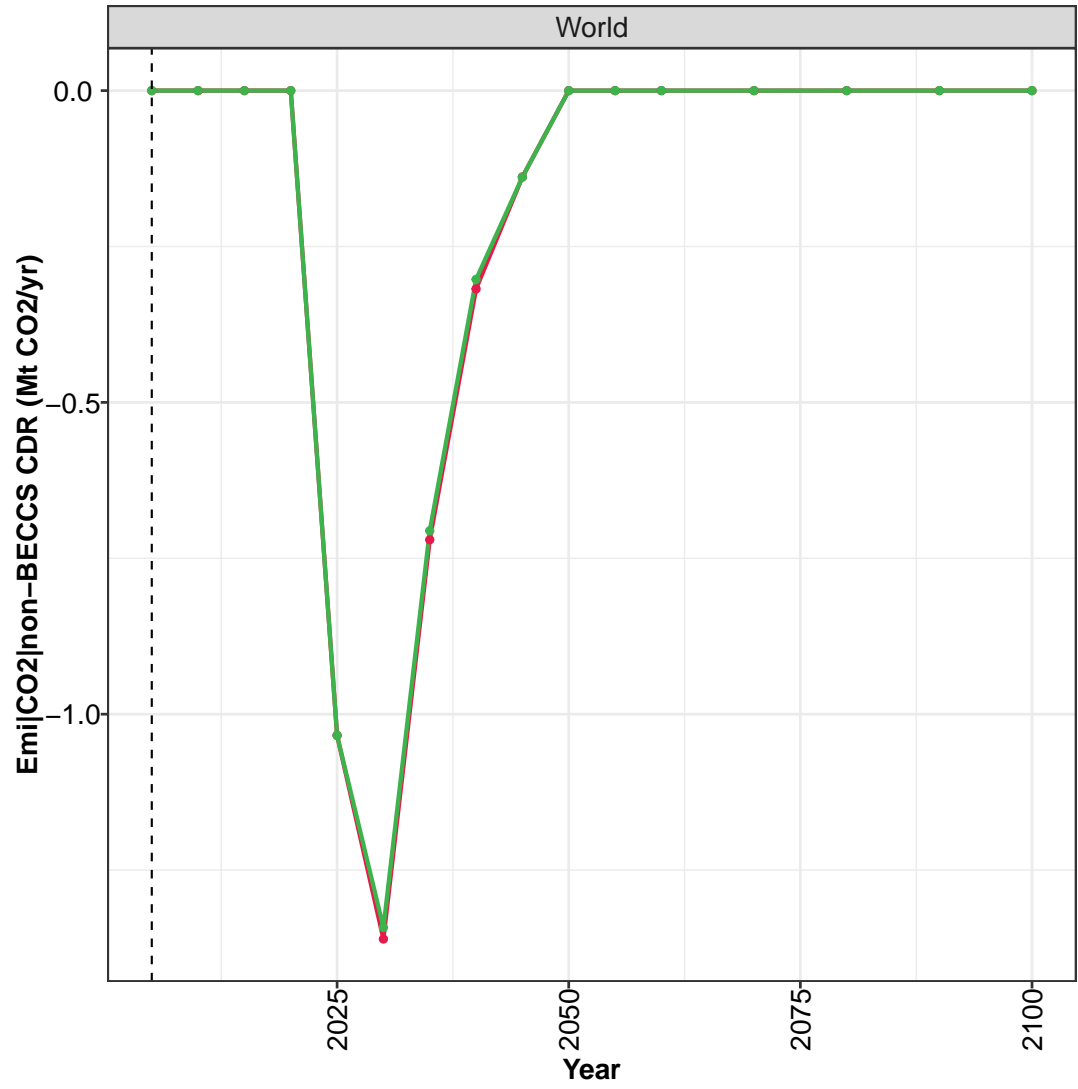
- + SSP2EU-NPi-calibrate
- + SSP2EU-NPi-calibrate-ETPfix

Historical data

- + EDGAR_LU
- + Eurostat
- + FAO_EmisLUC
- + PRIMAPHist
- + UNFCCC

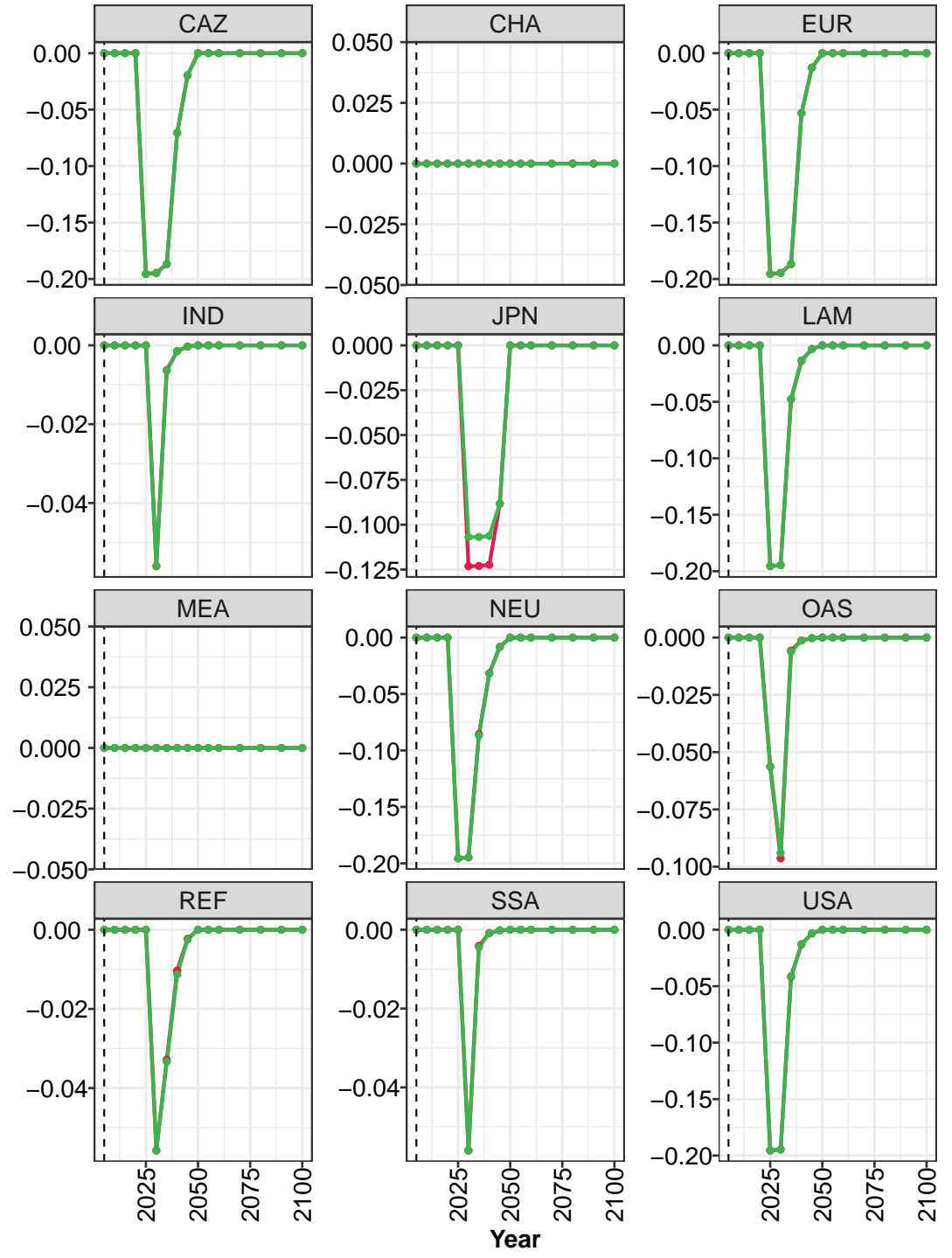


3.4.20 non-BECCS CDR

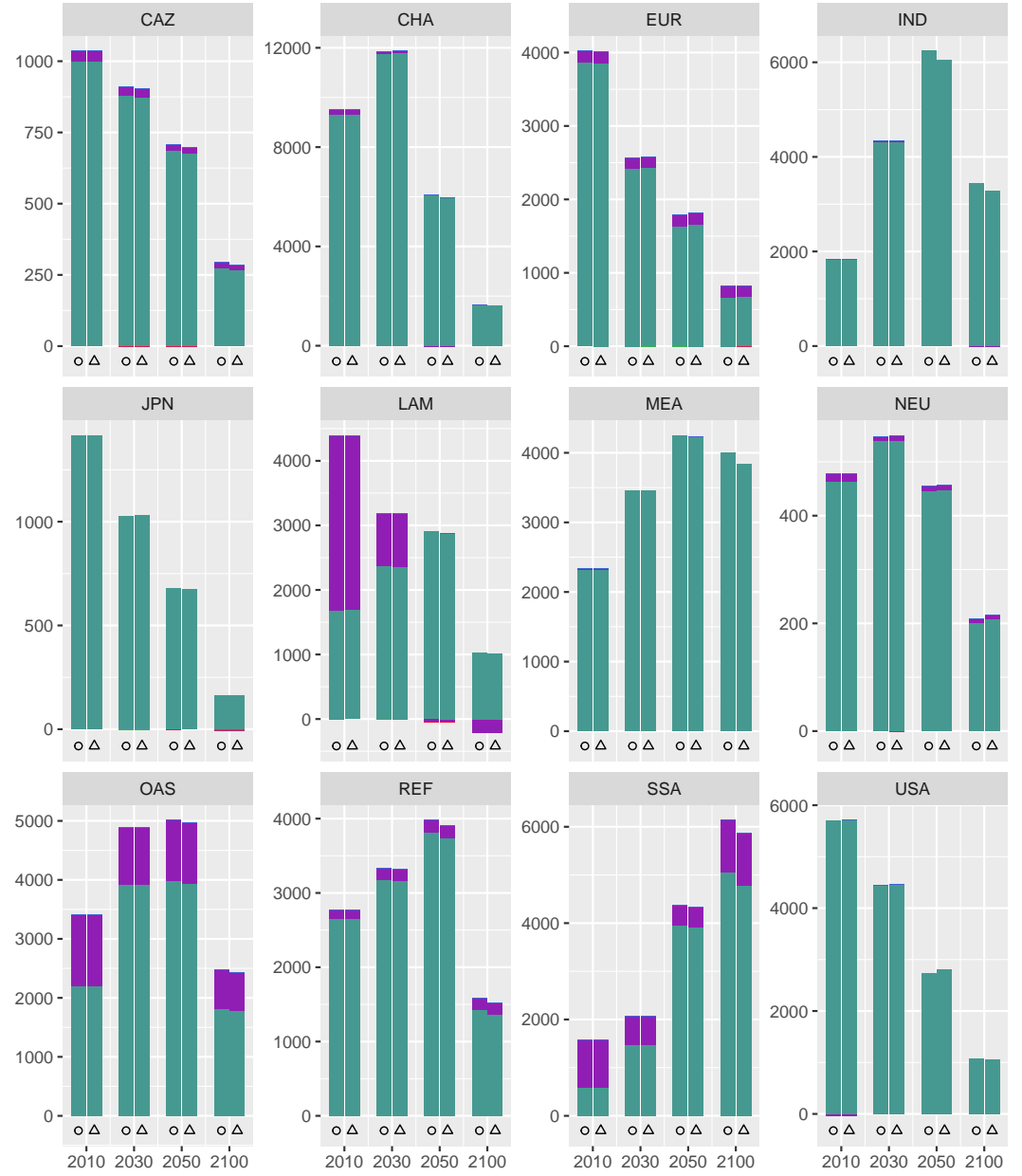
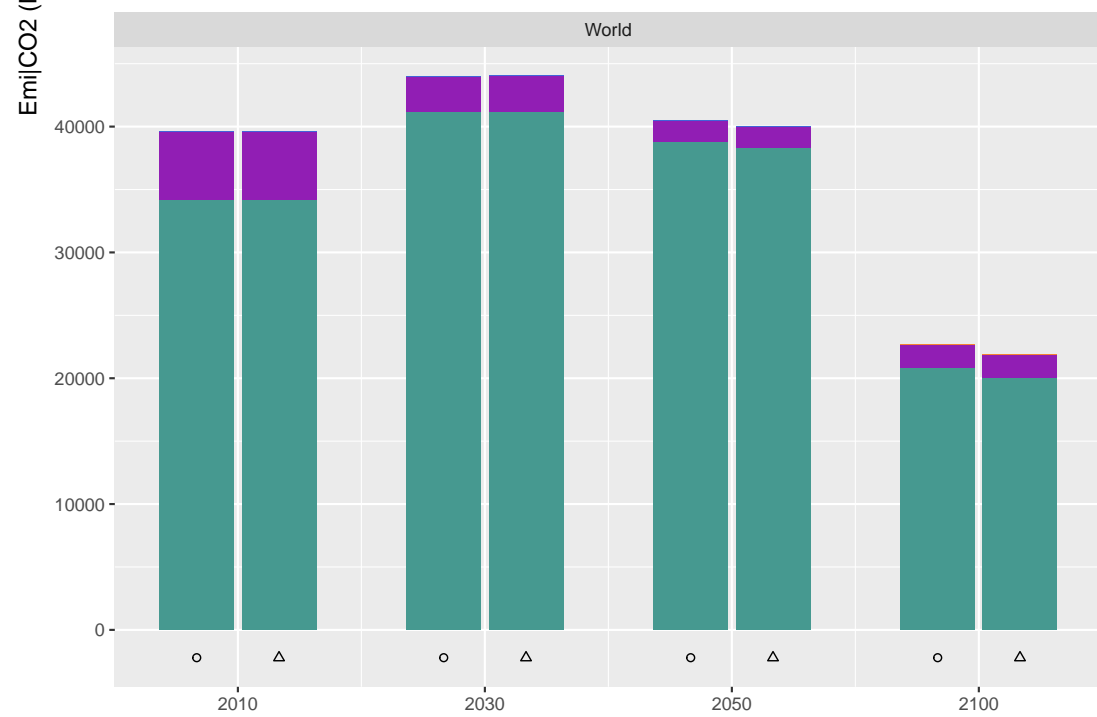
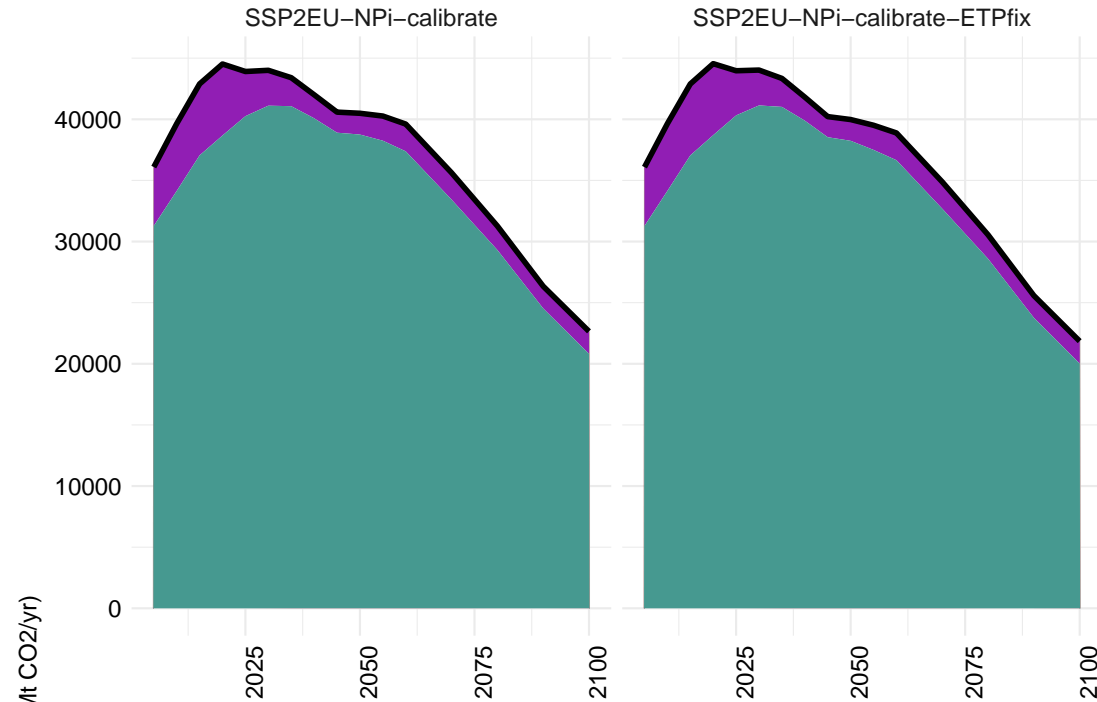


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

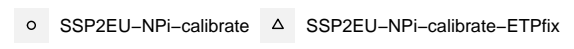
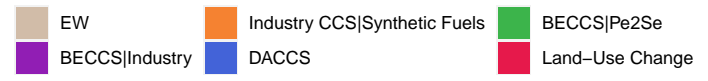
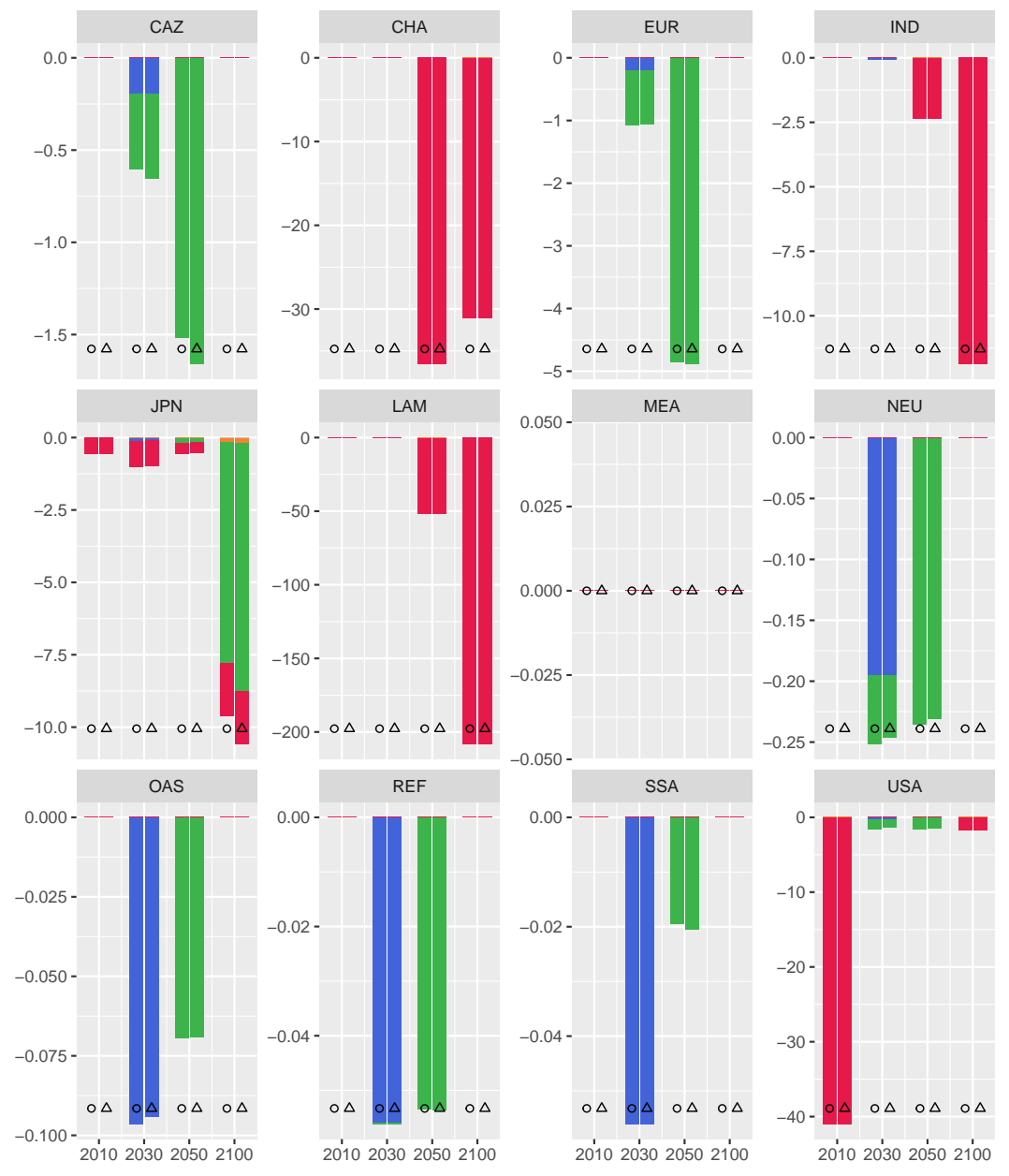


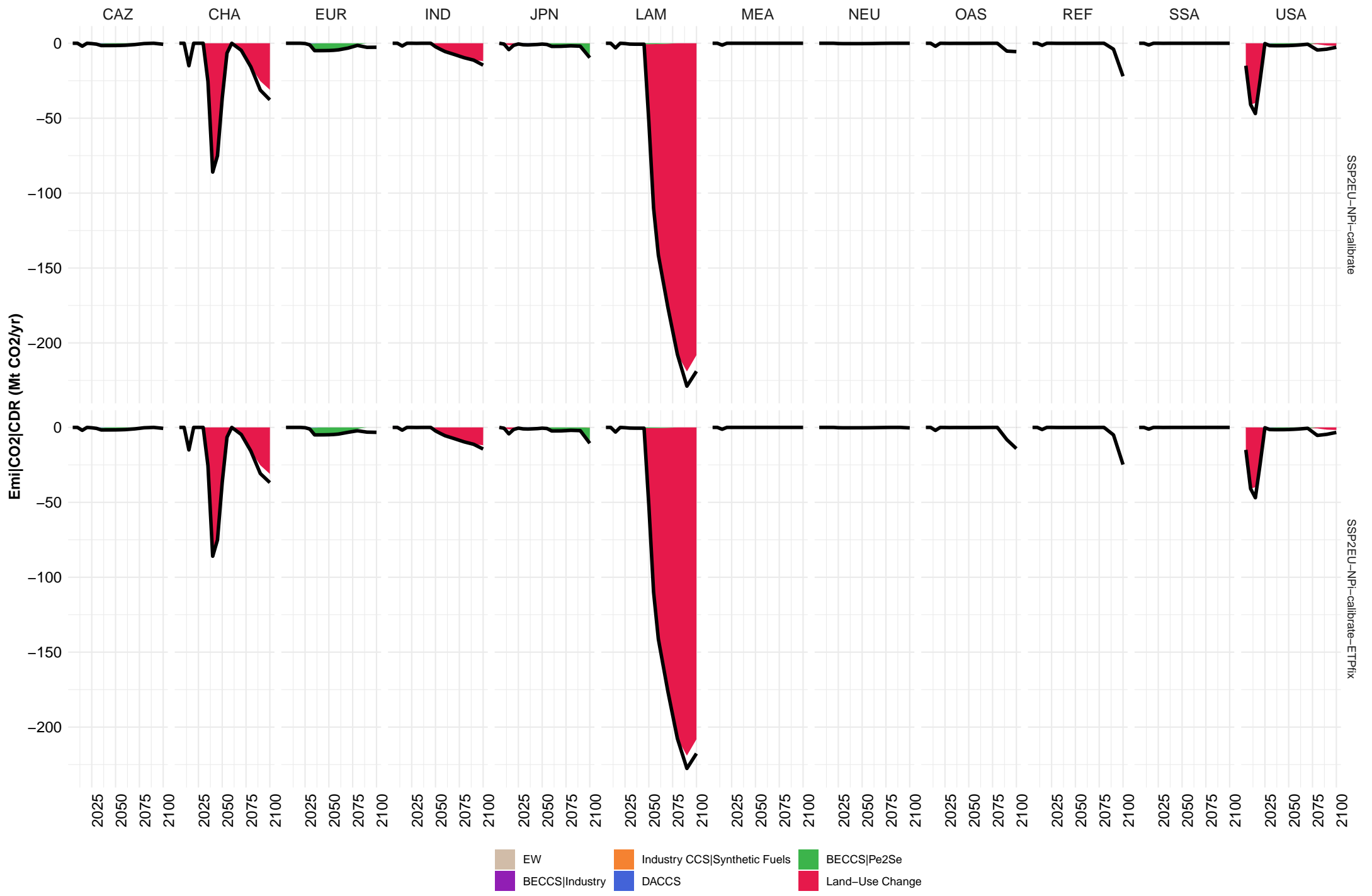
3.4.21 CDR

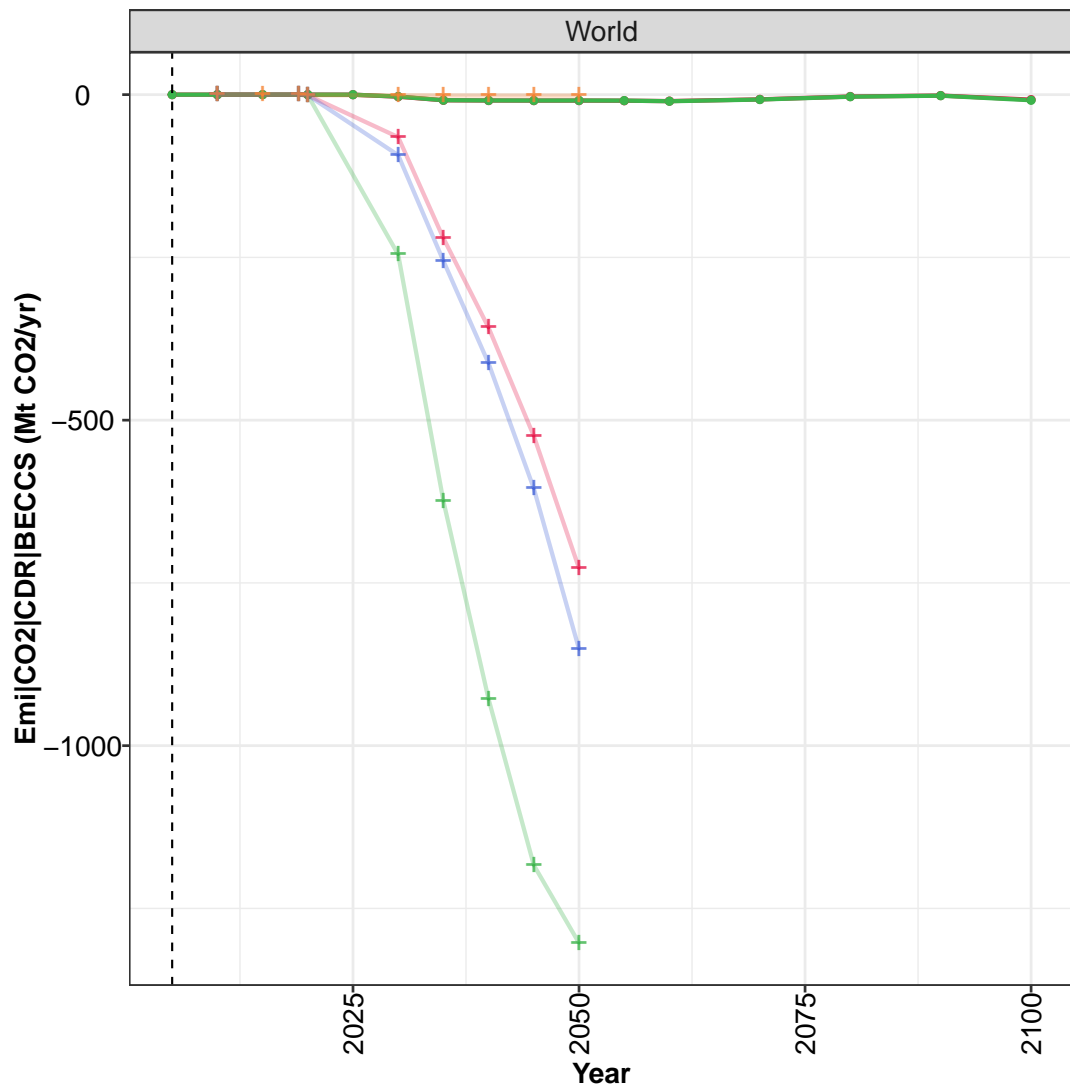


○ SSP2EU-NPi-calibrate △ SSP2EU-NPi-calibrate-ETPfix

Gross|Energy and Industrial Processes
 CDR|EW
 CDR|DACCS
 Land-Use Change
 CDR|Industry CCS|Synthetic Fuels
 CDR|BECCS





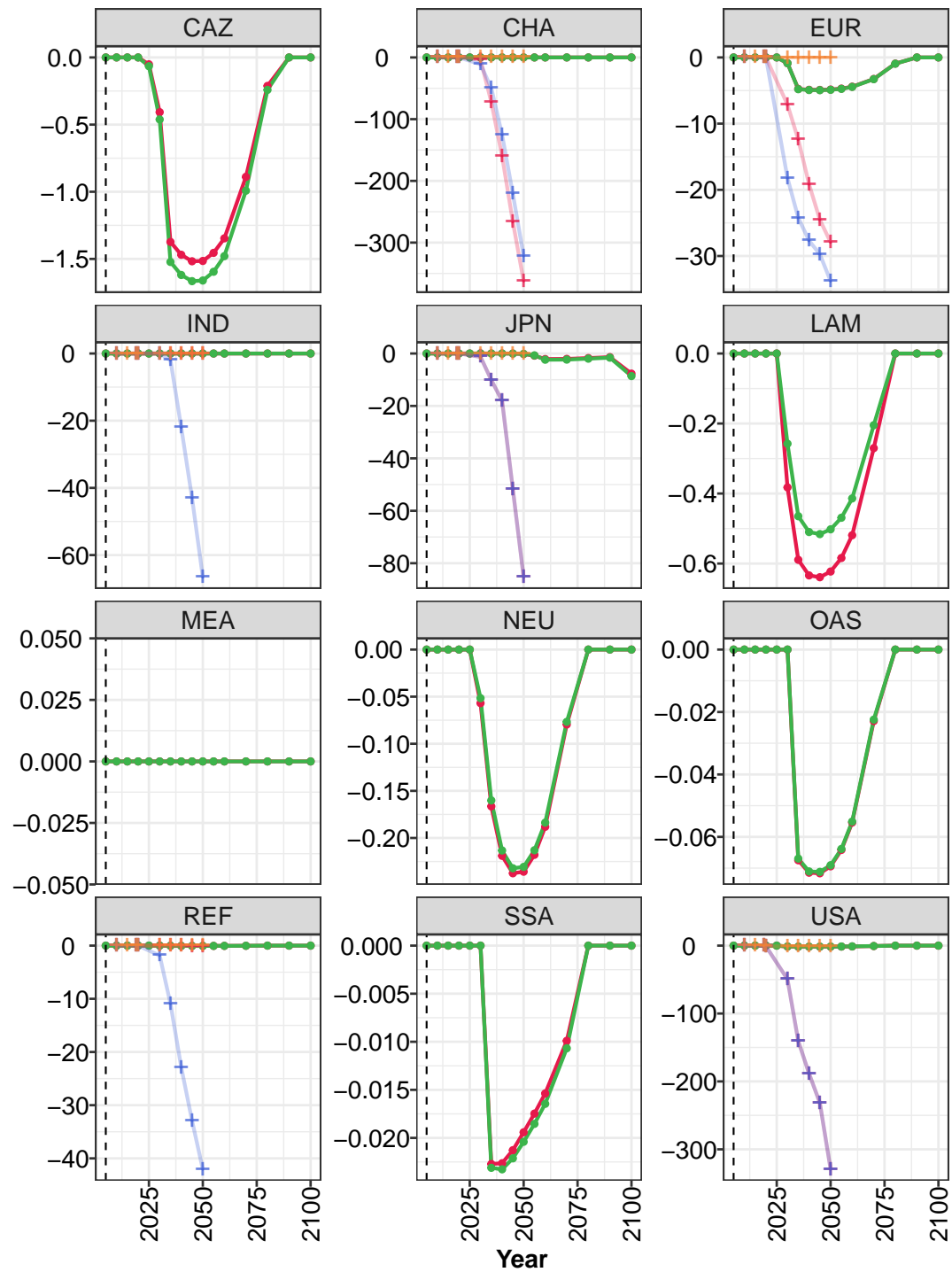


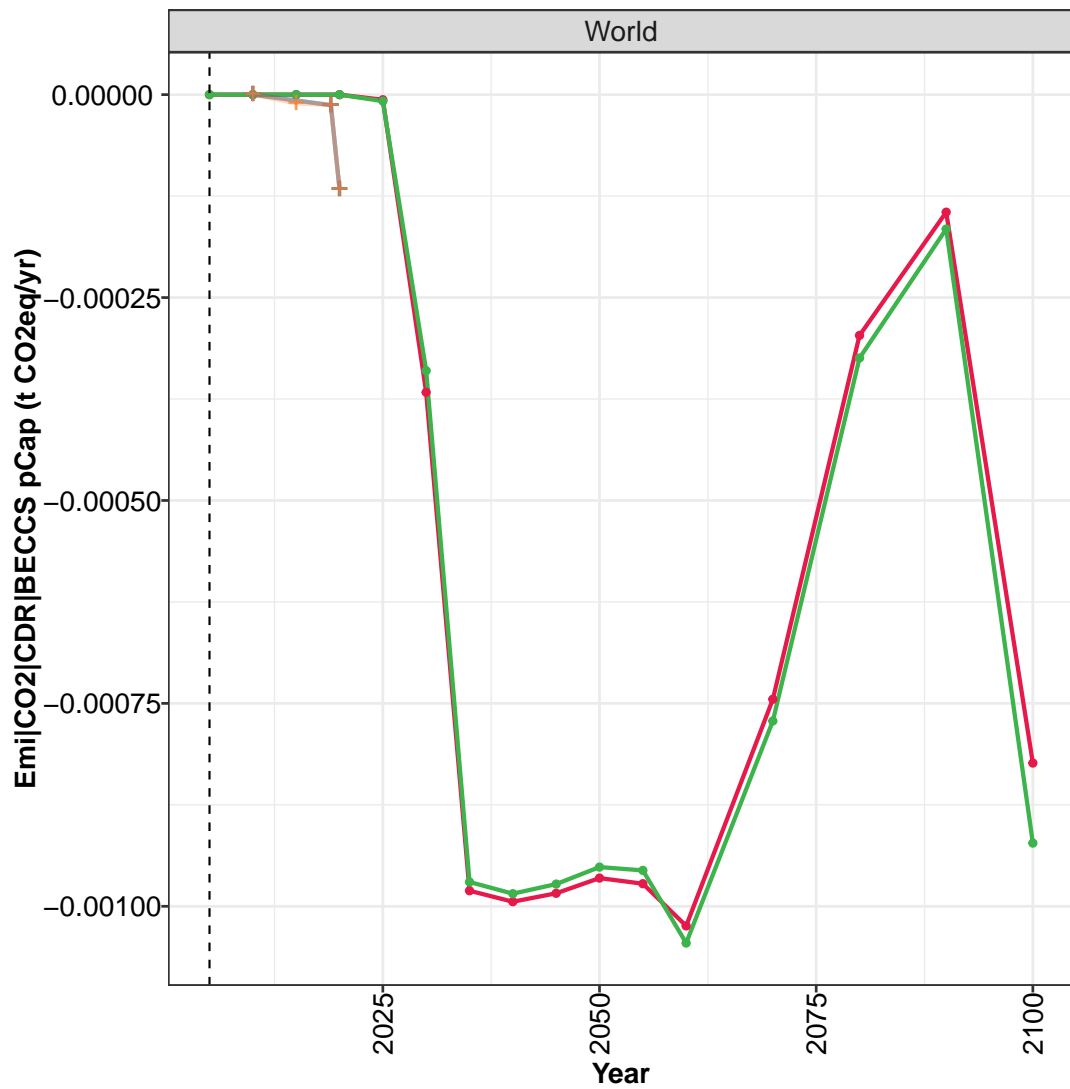
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS



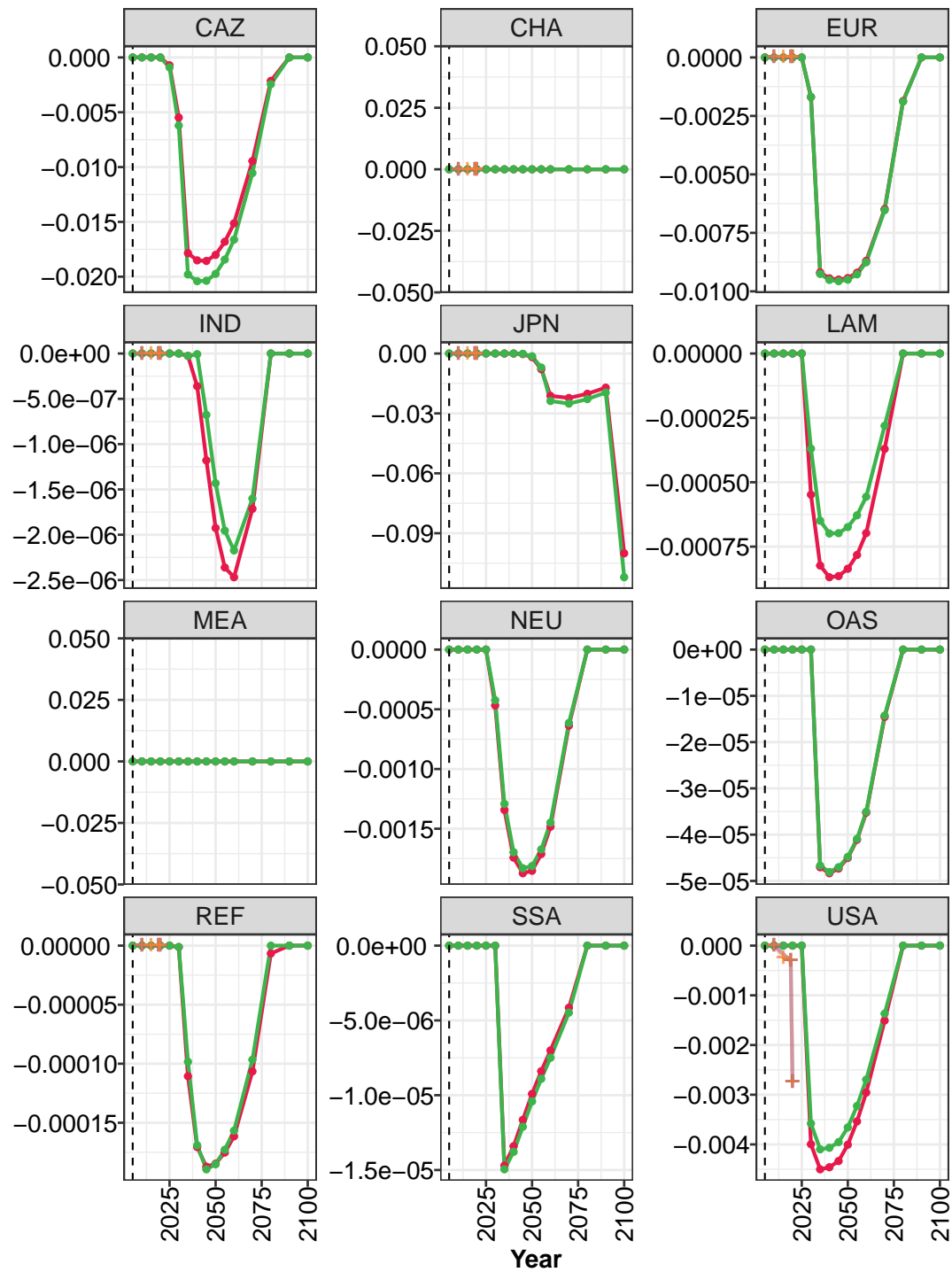


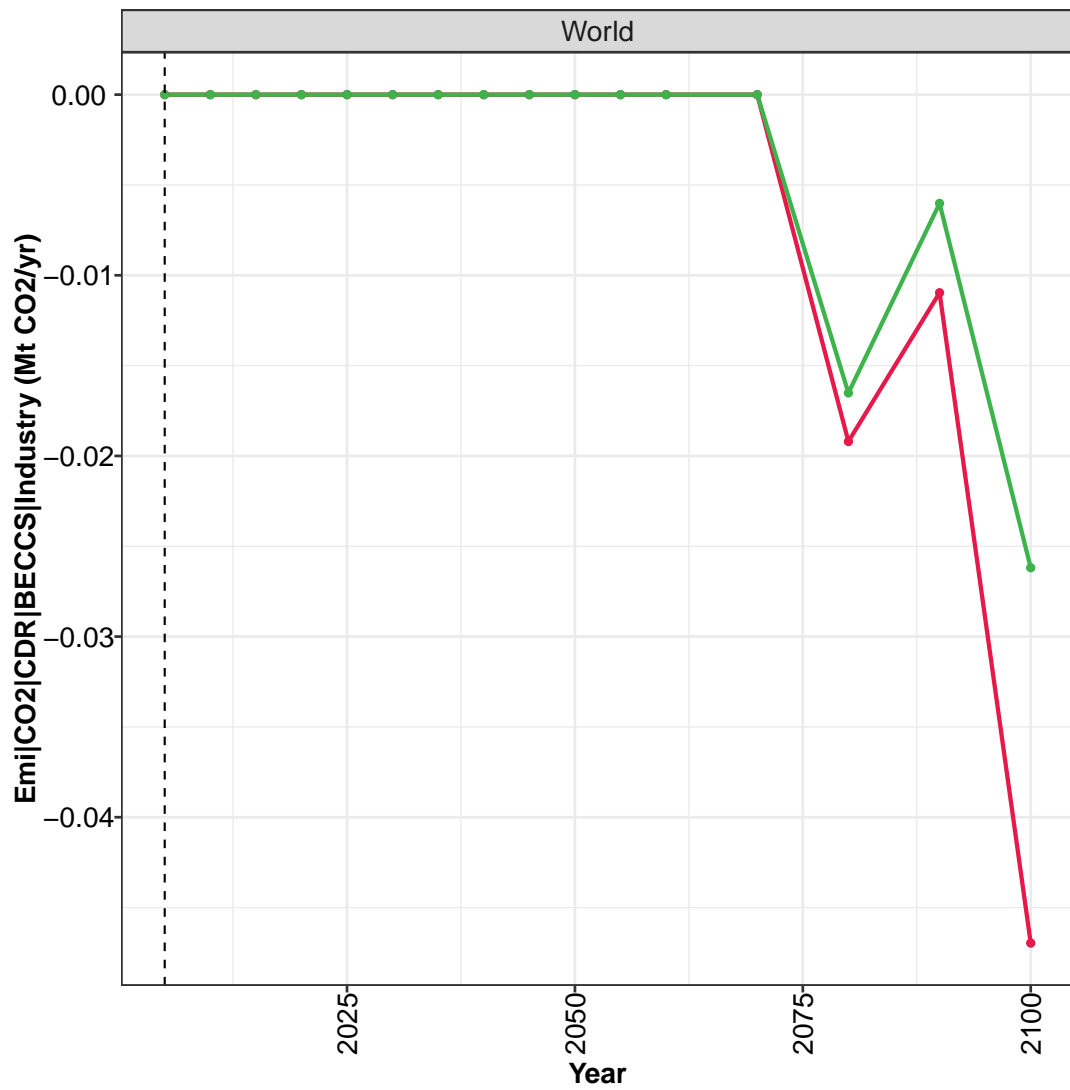
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

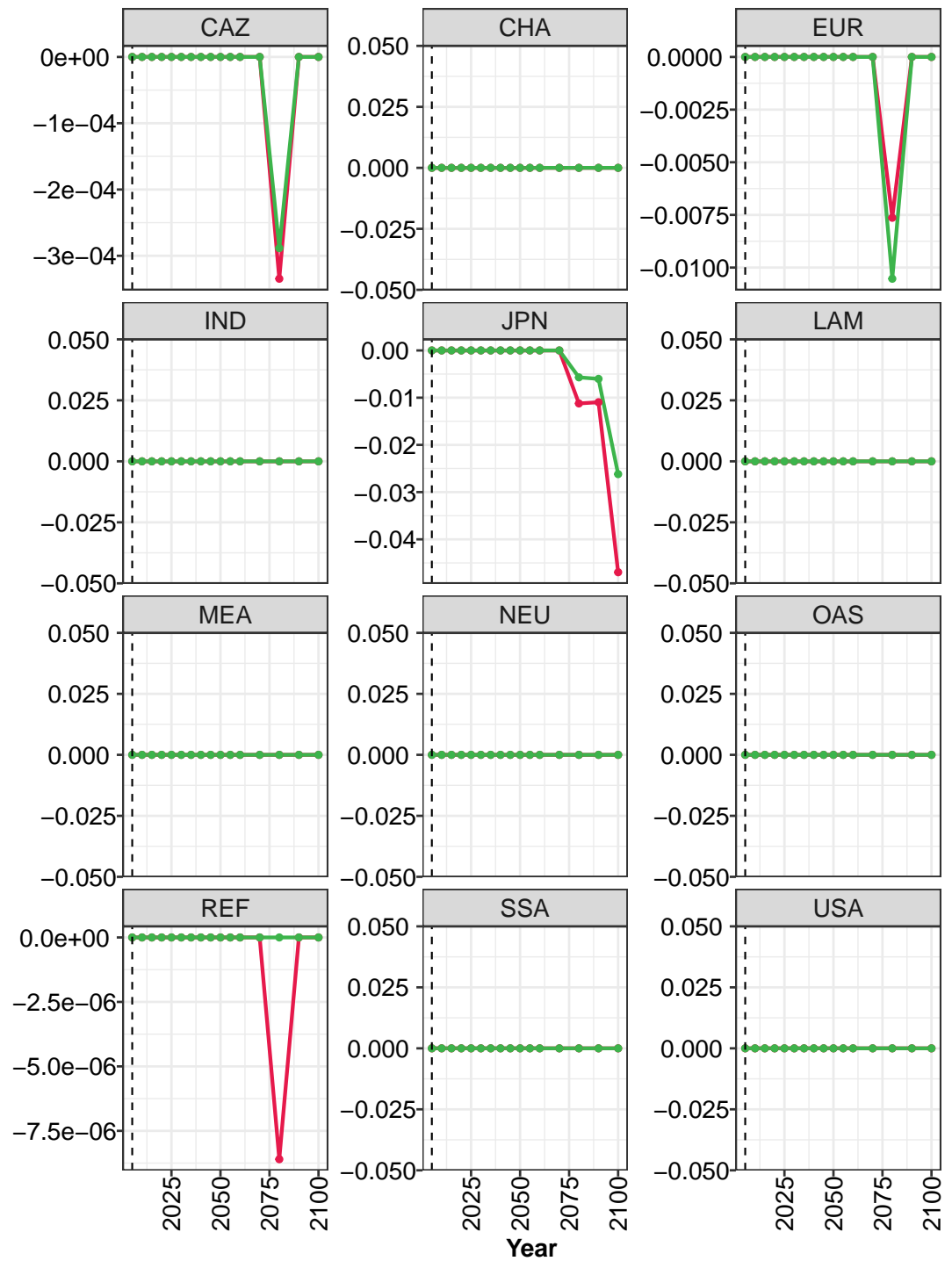
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS

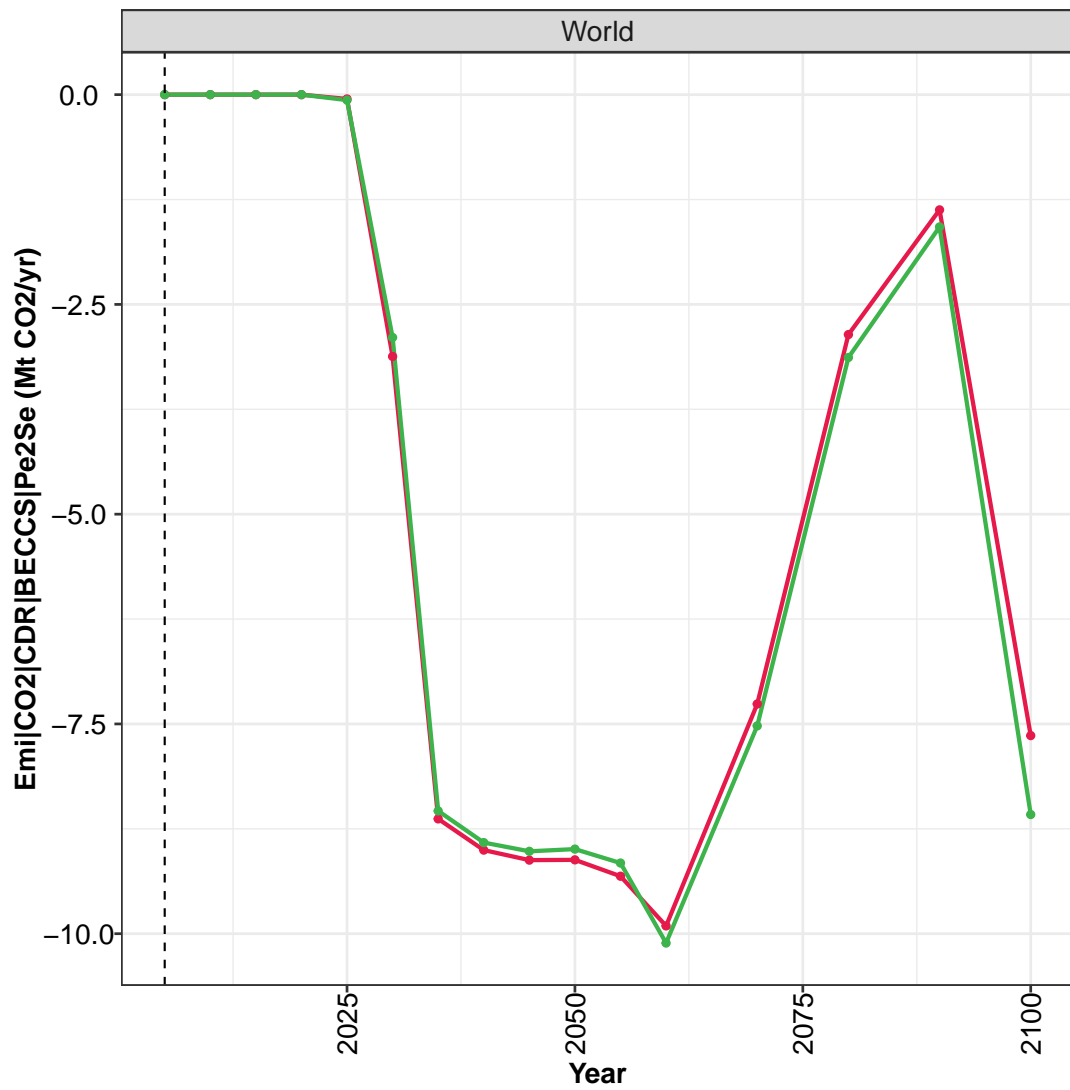




Model: REMIND

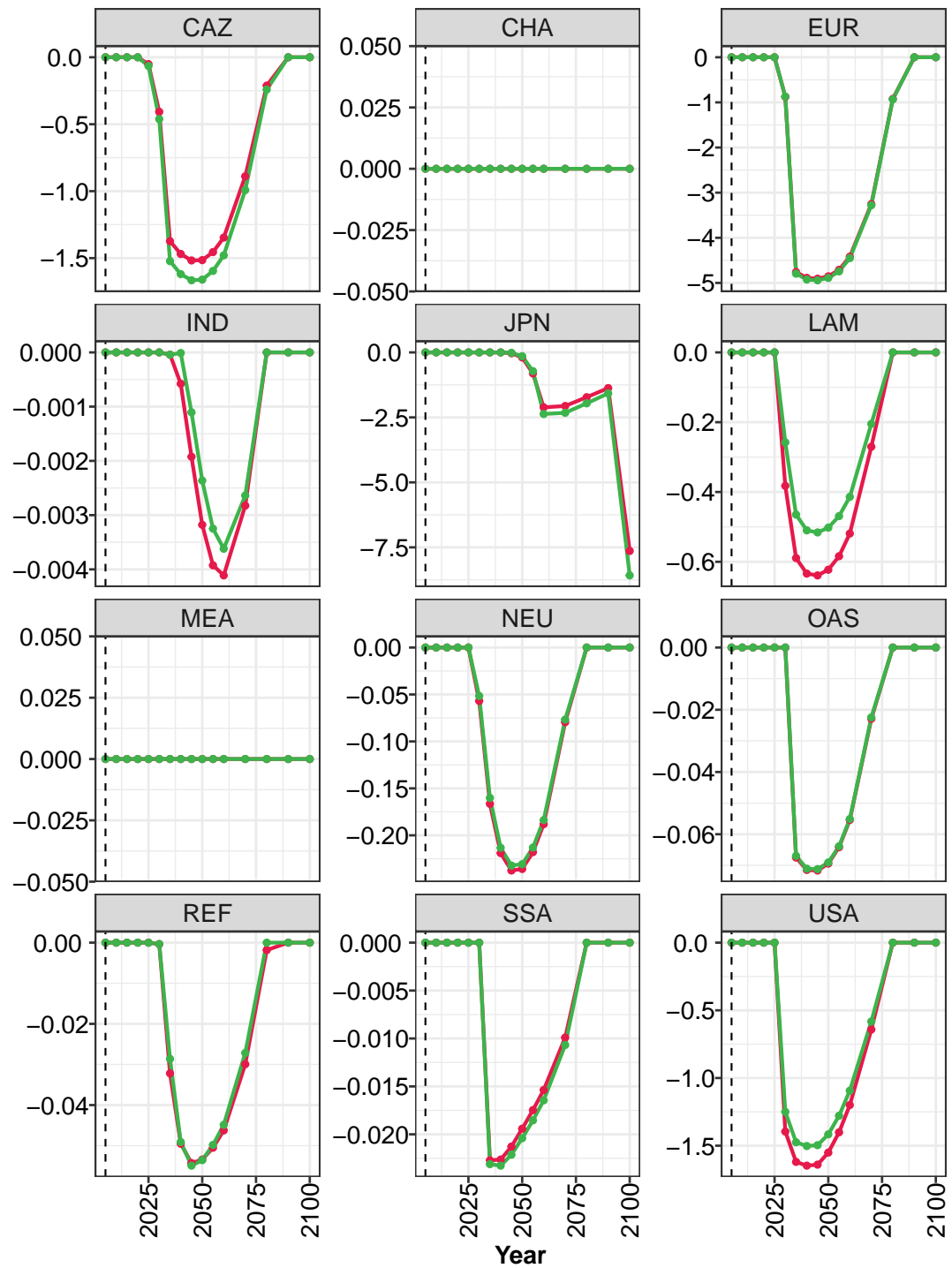
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

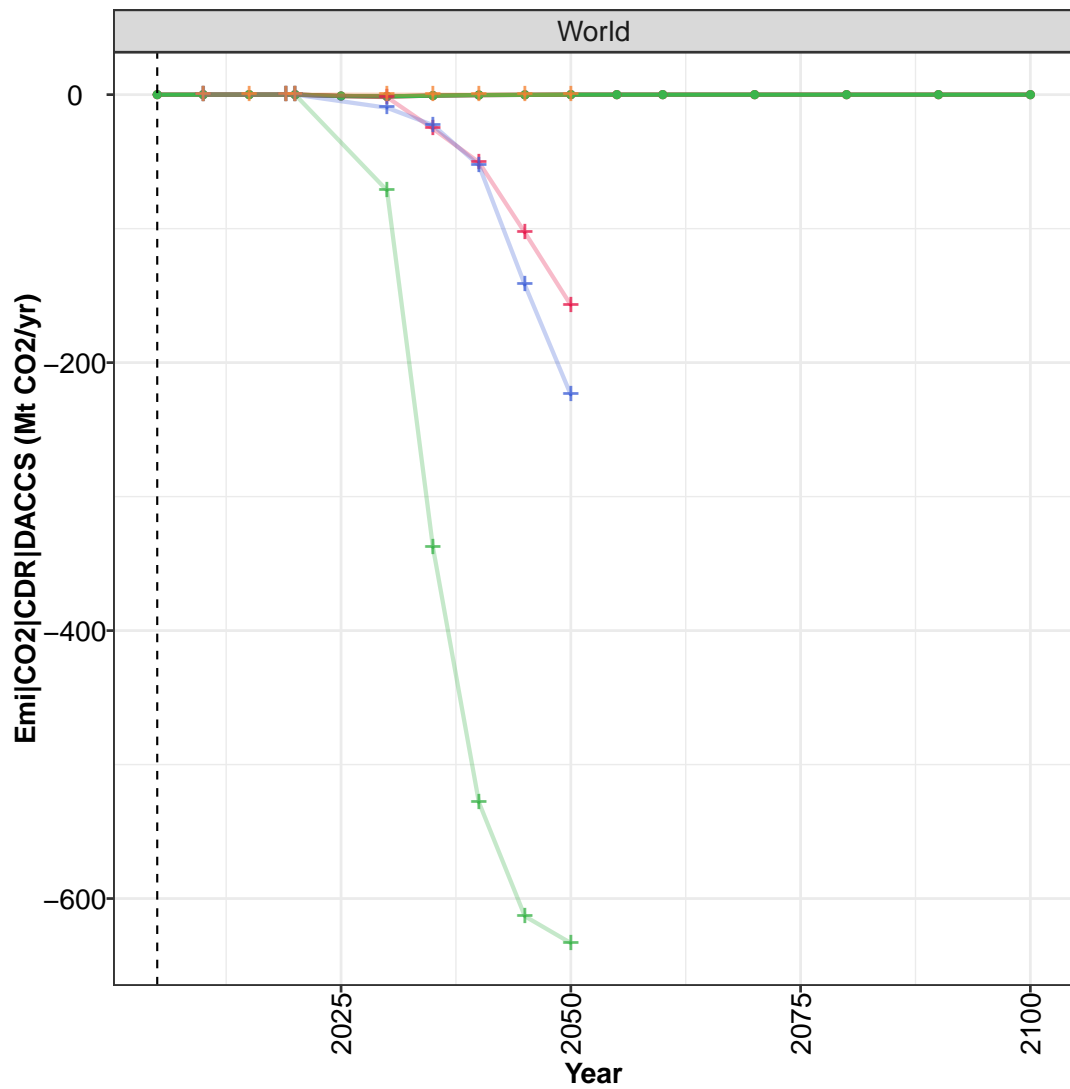




Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



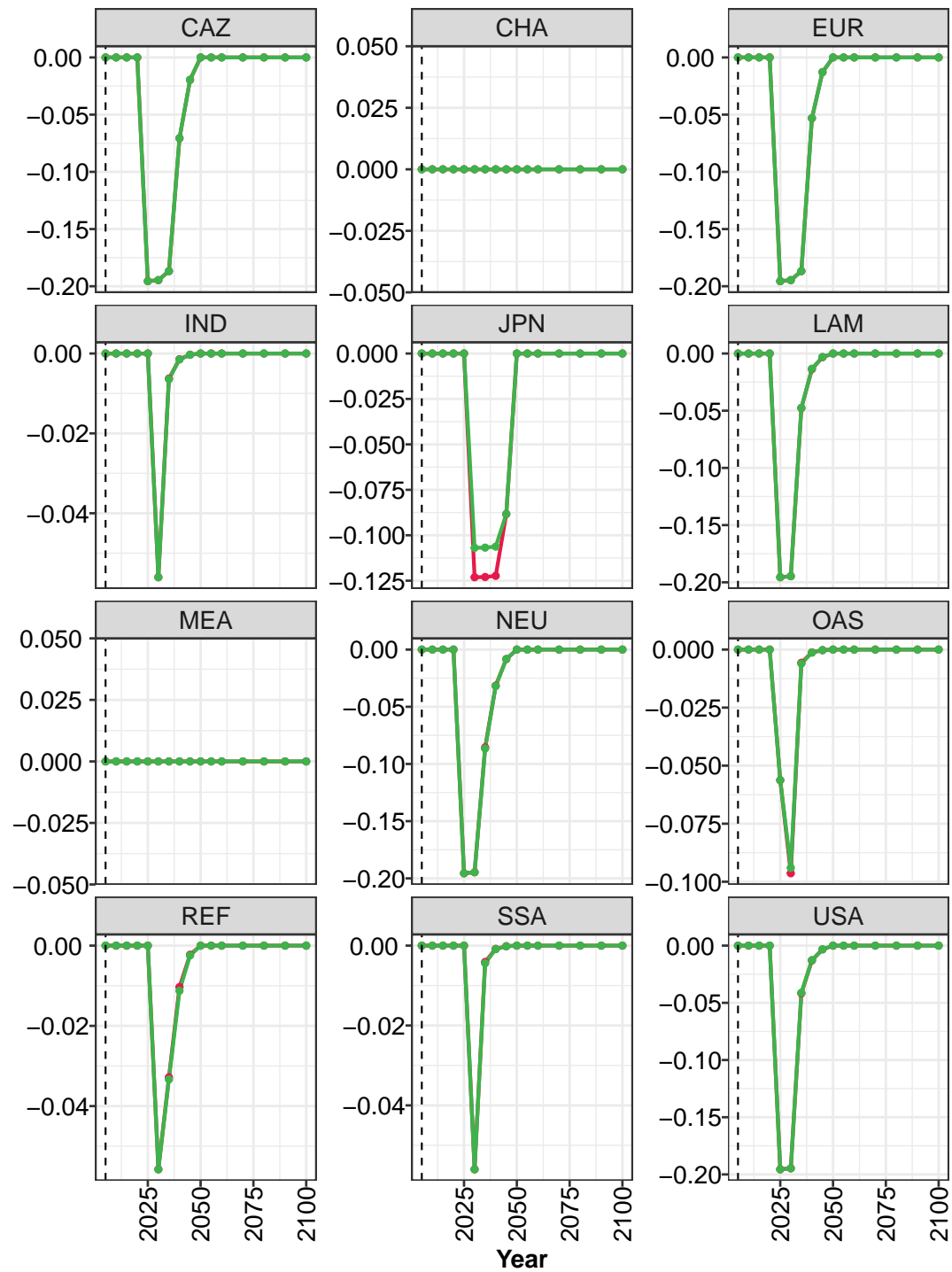


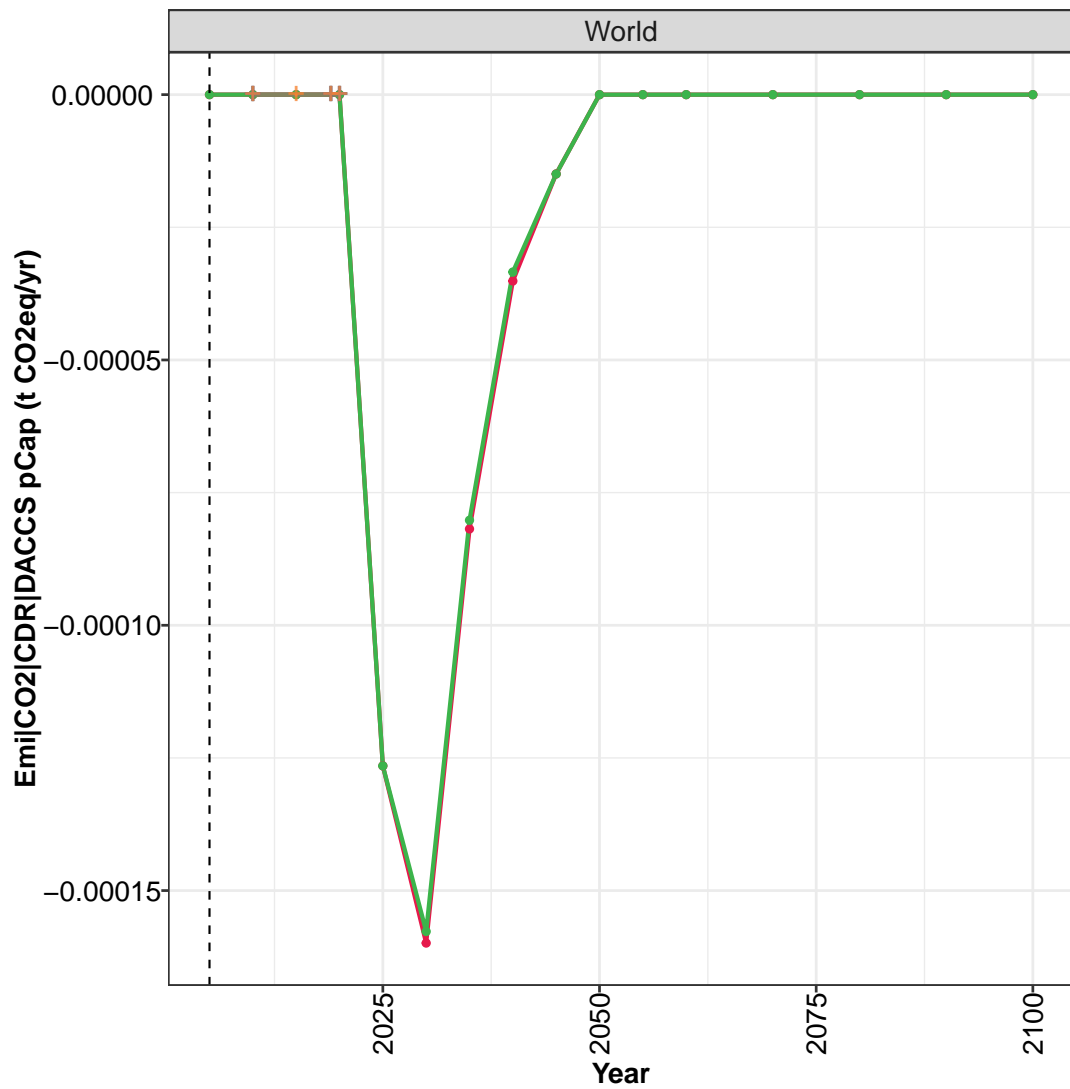
Model: REMIND

- +— SSP2EU-NPi-calibrate
- +— SSP2EU-NPi-calibrate-ETPfix

Historical data

- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS



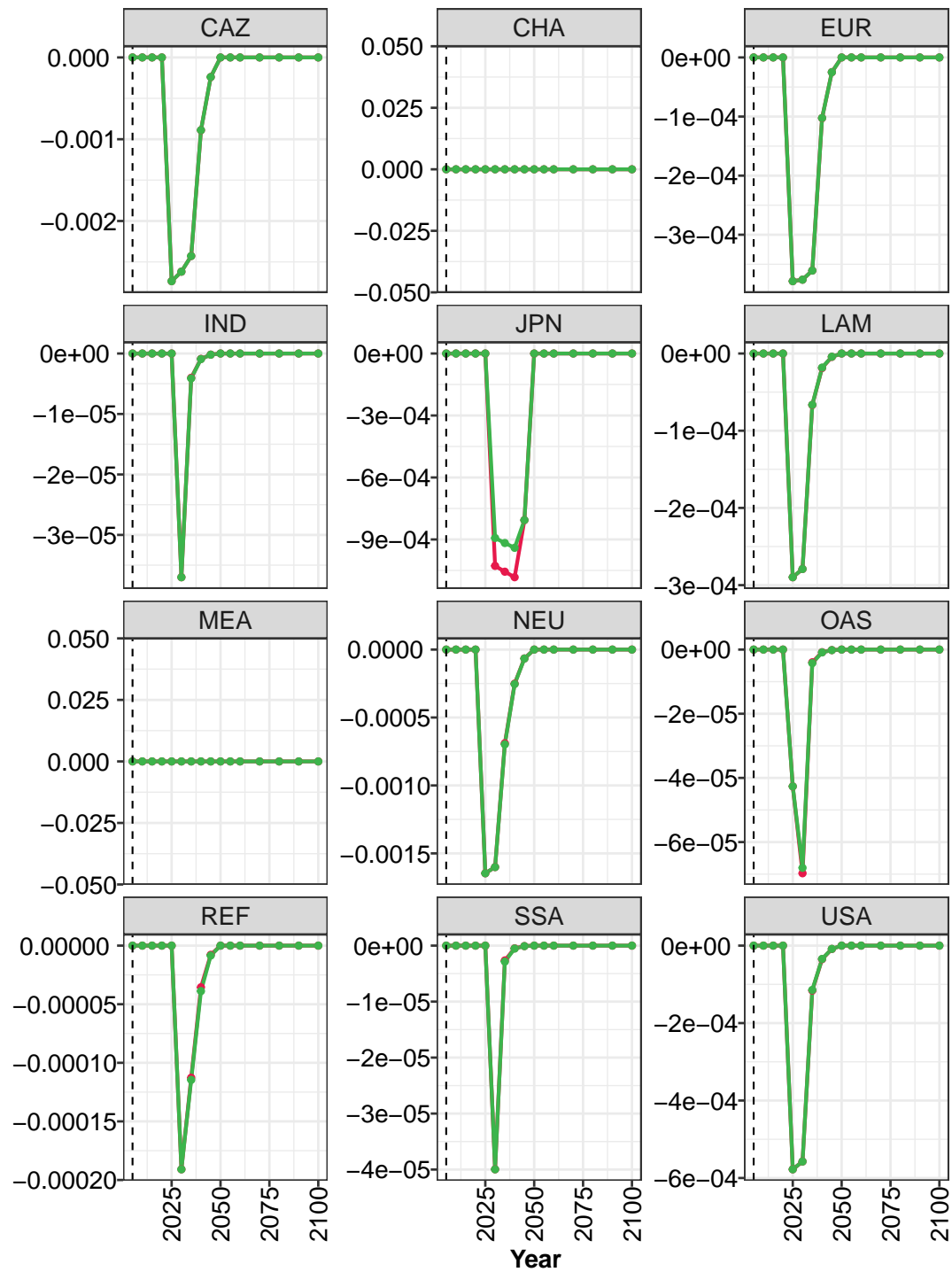


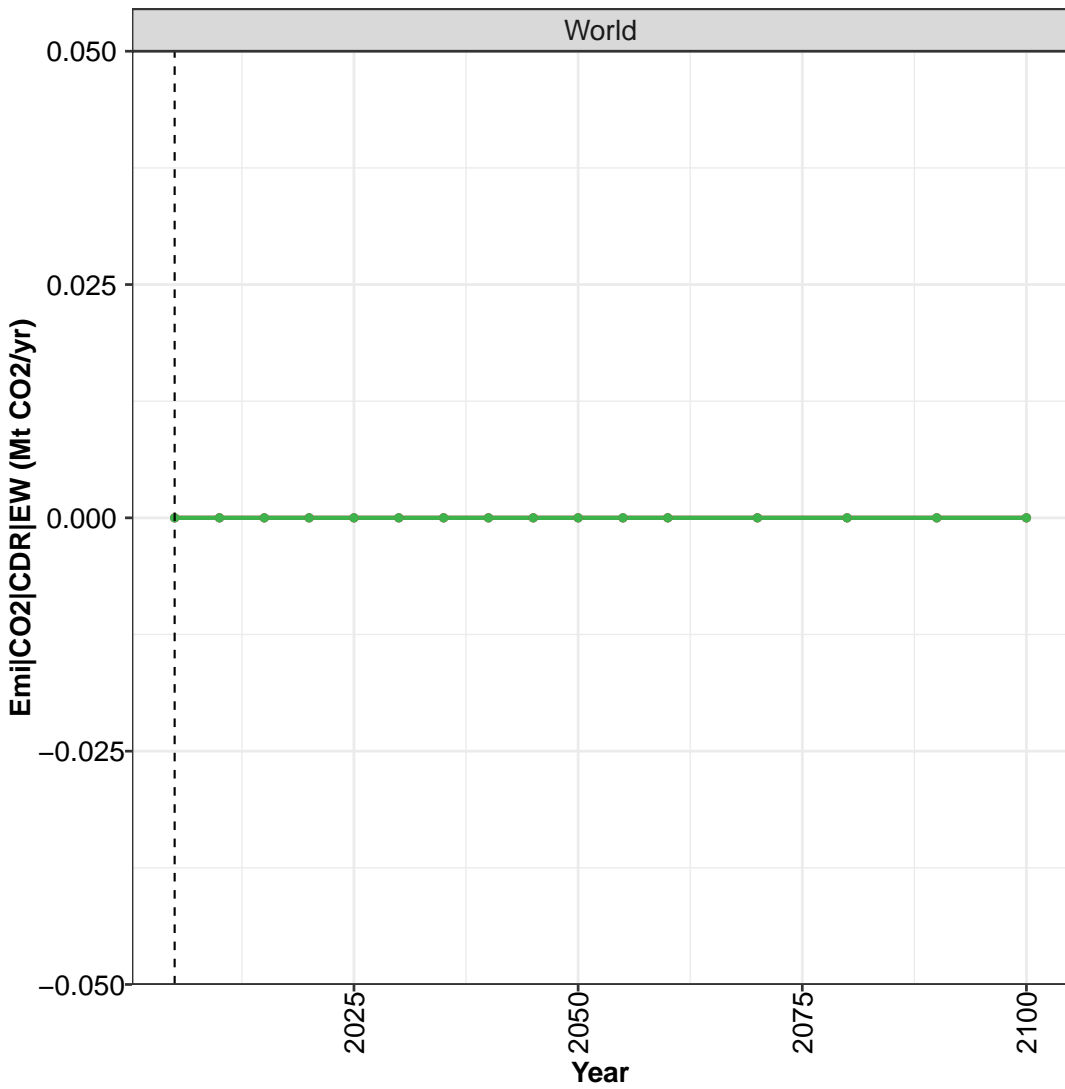
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

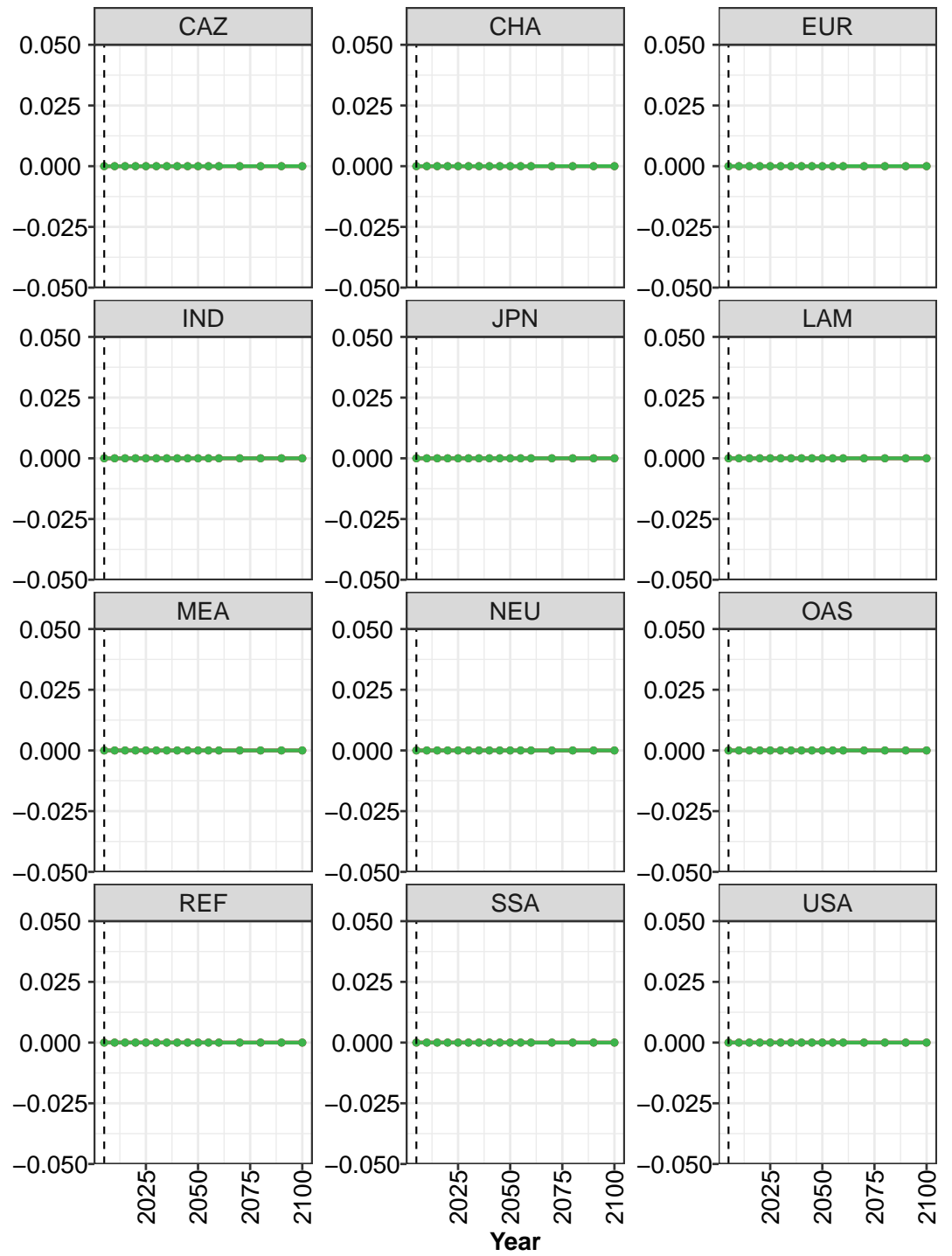
- + IEA WEO 2021 APS
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- + IEA WEO 2021 SPS

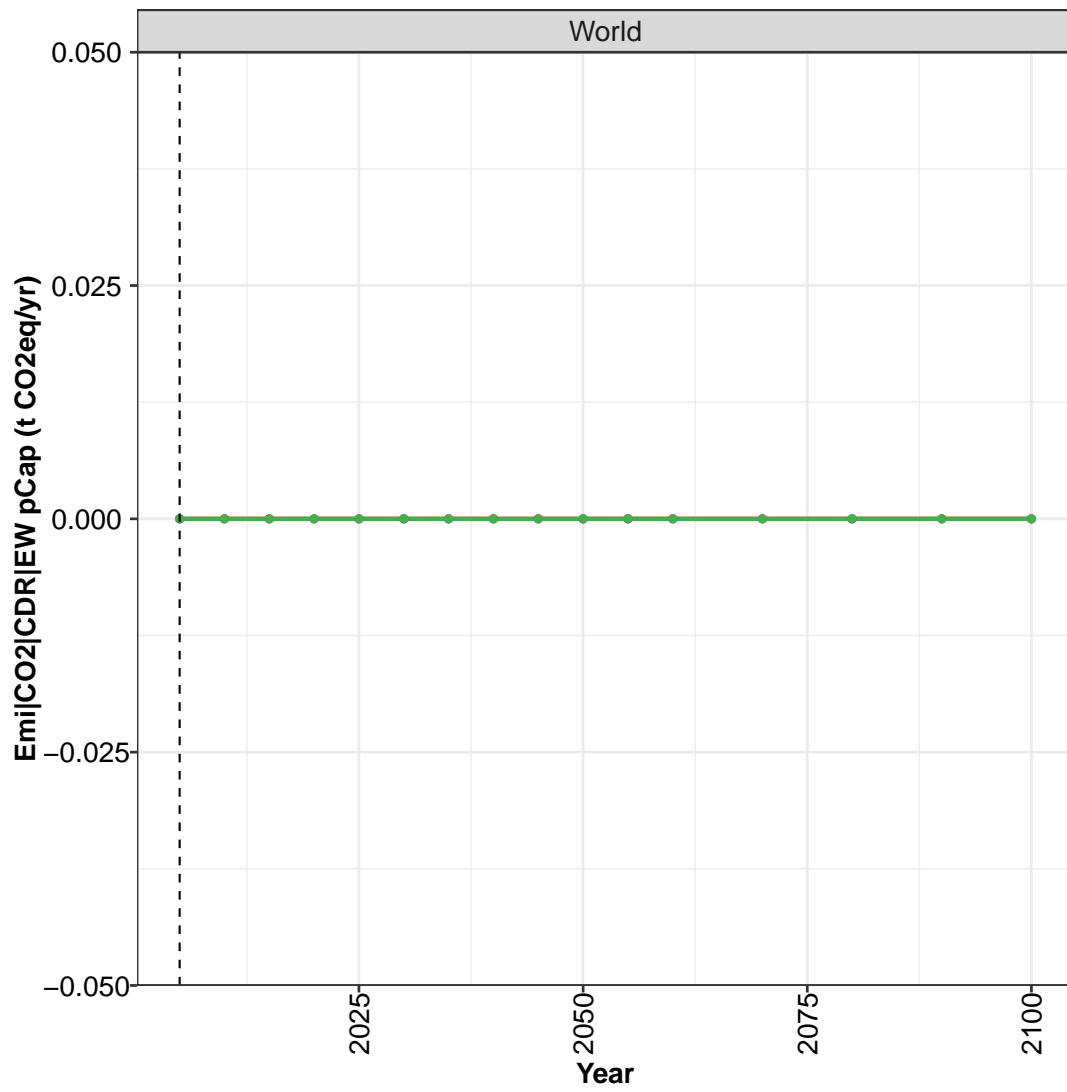




Model: REMIND

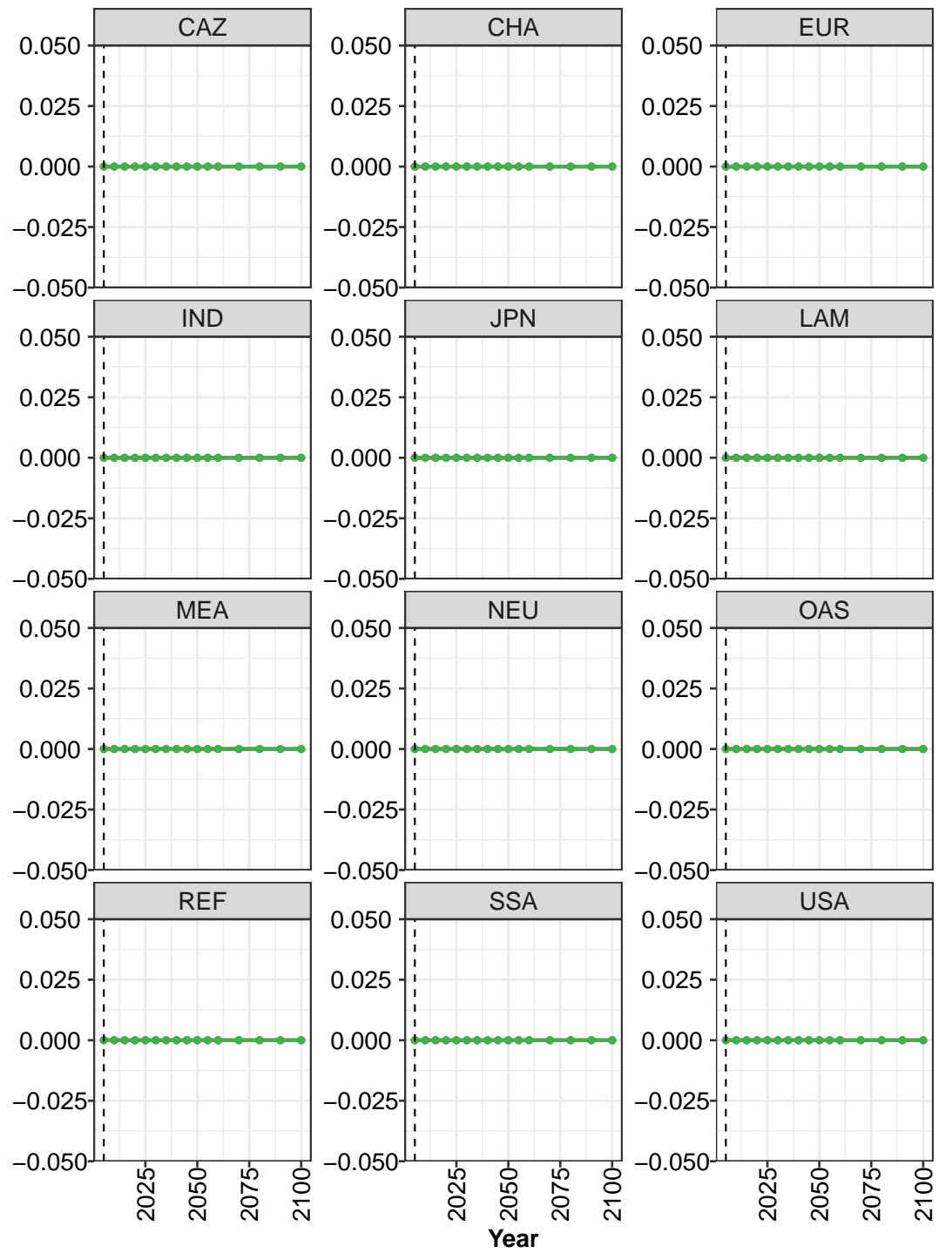
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

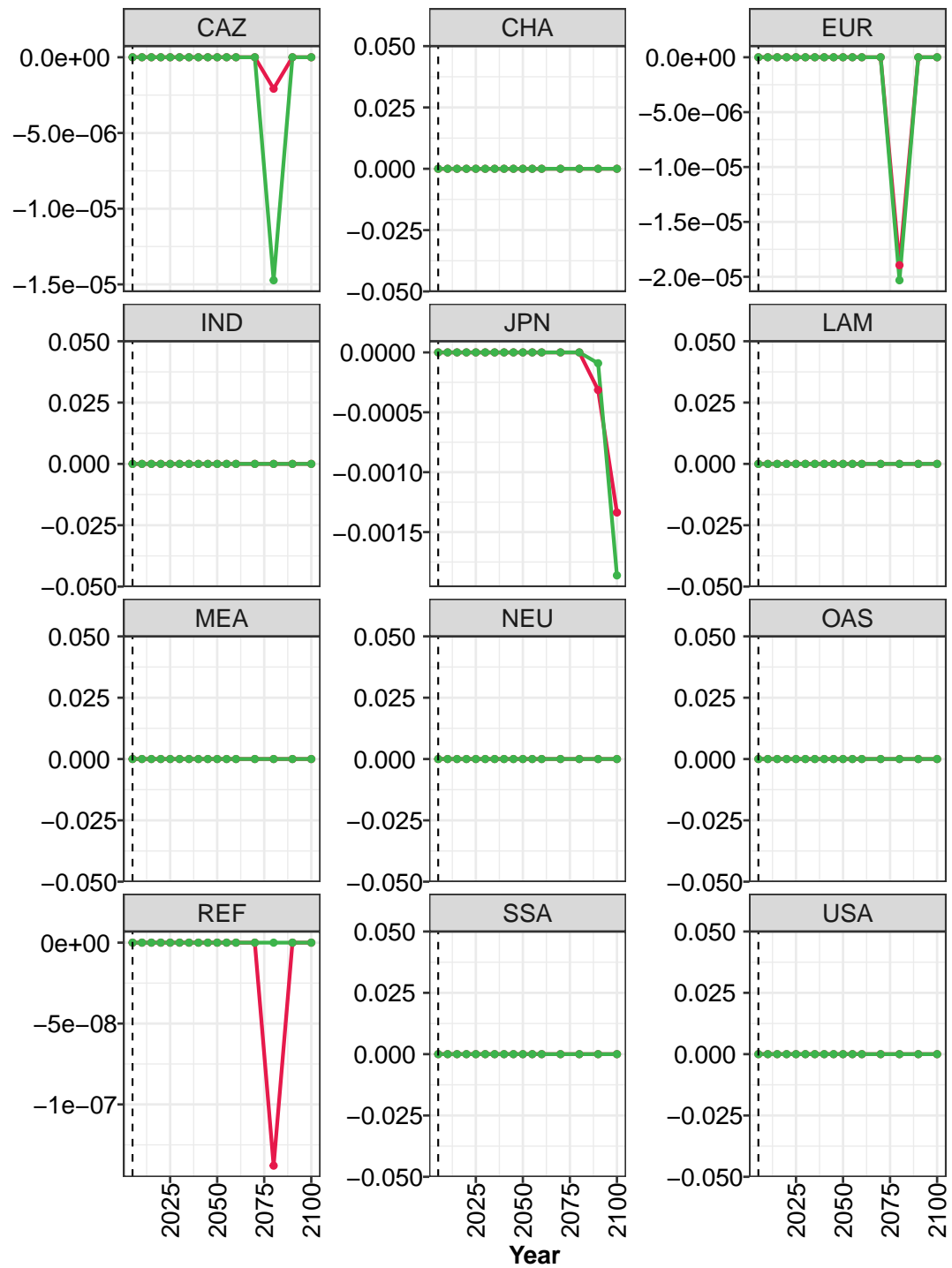
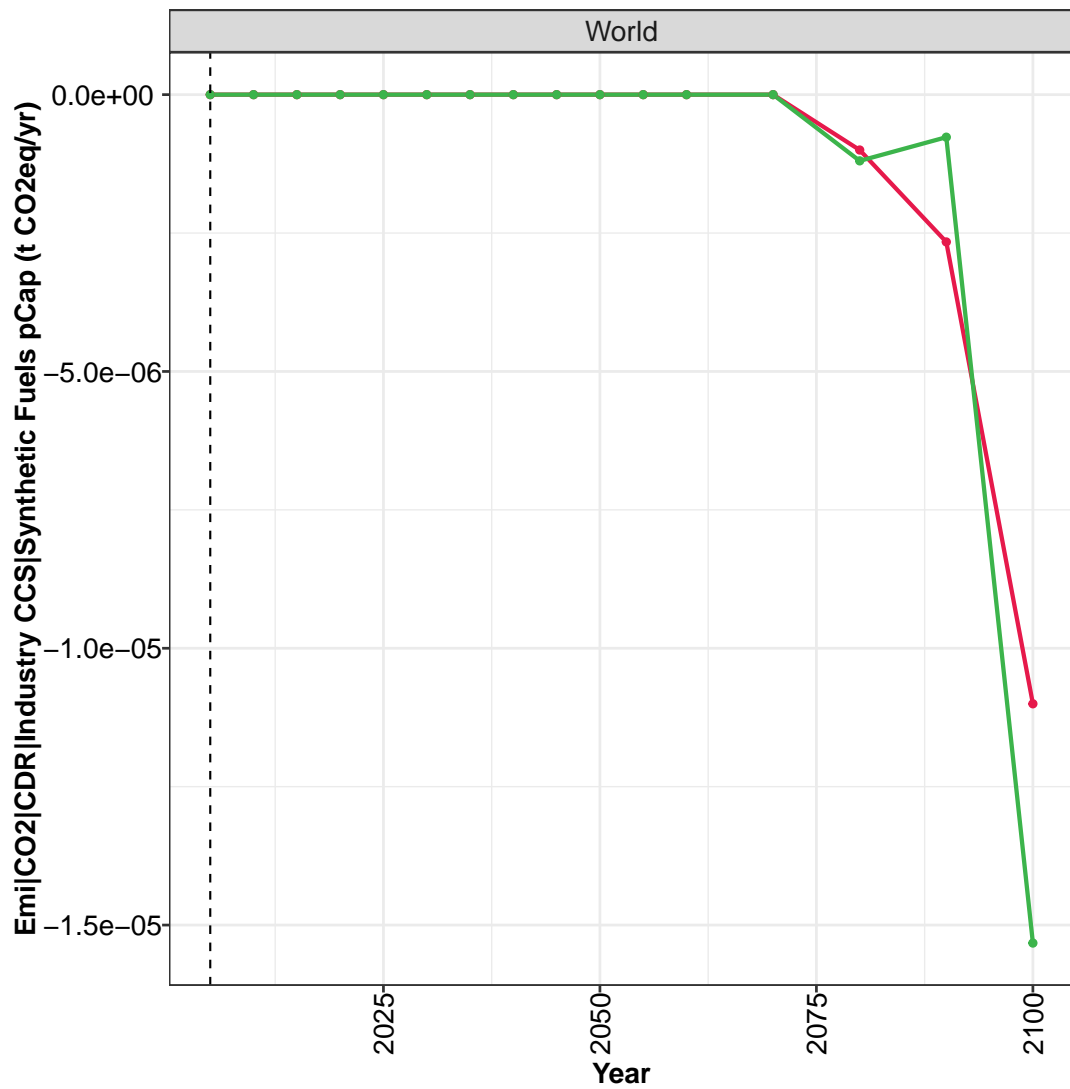


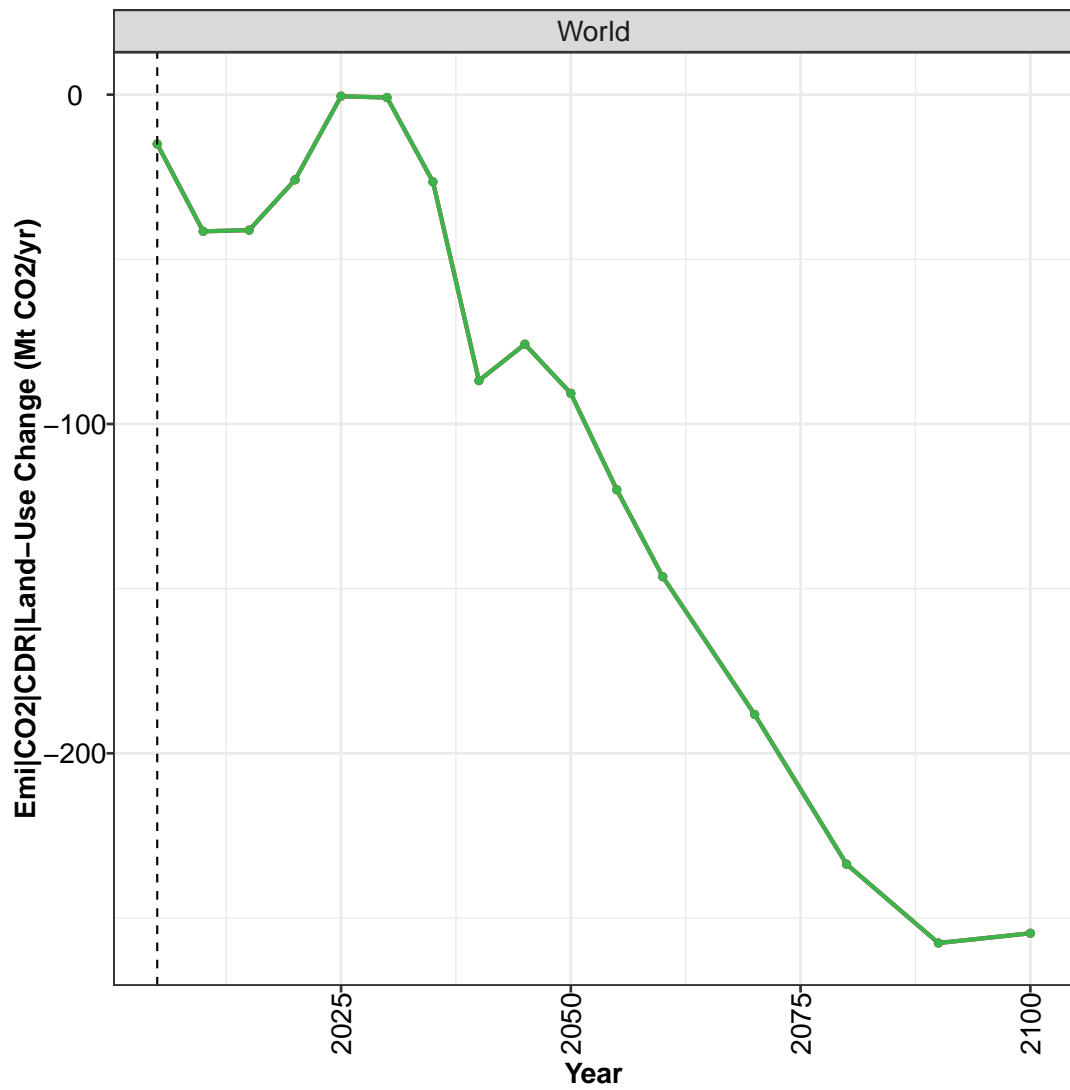


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

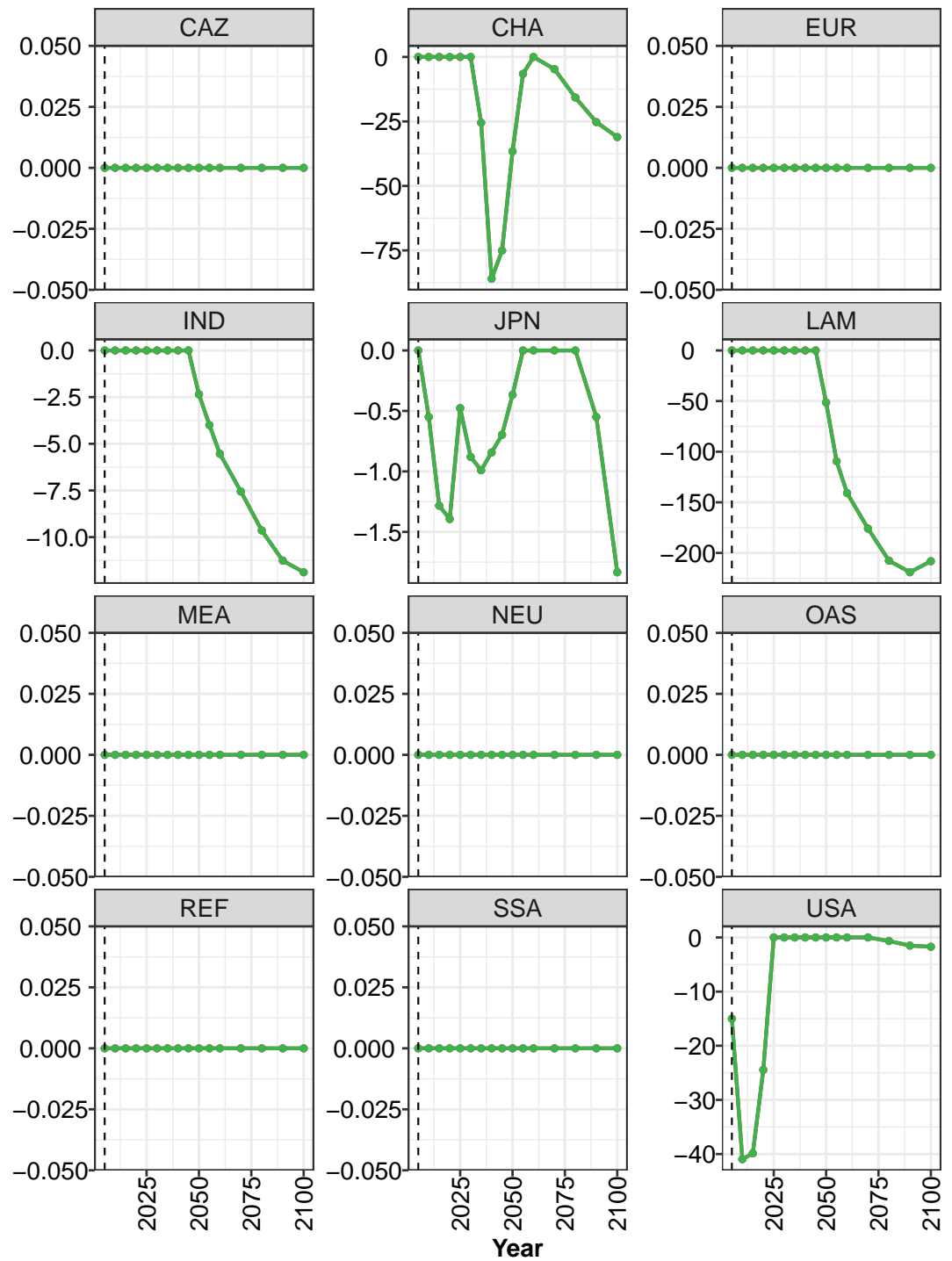


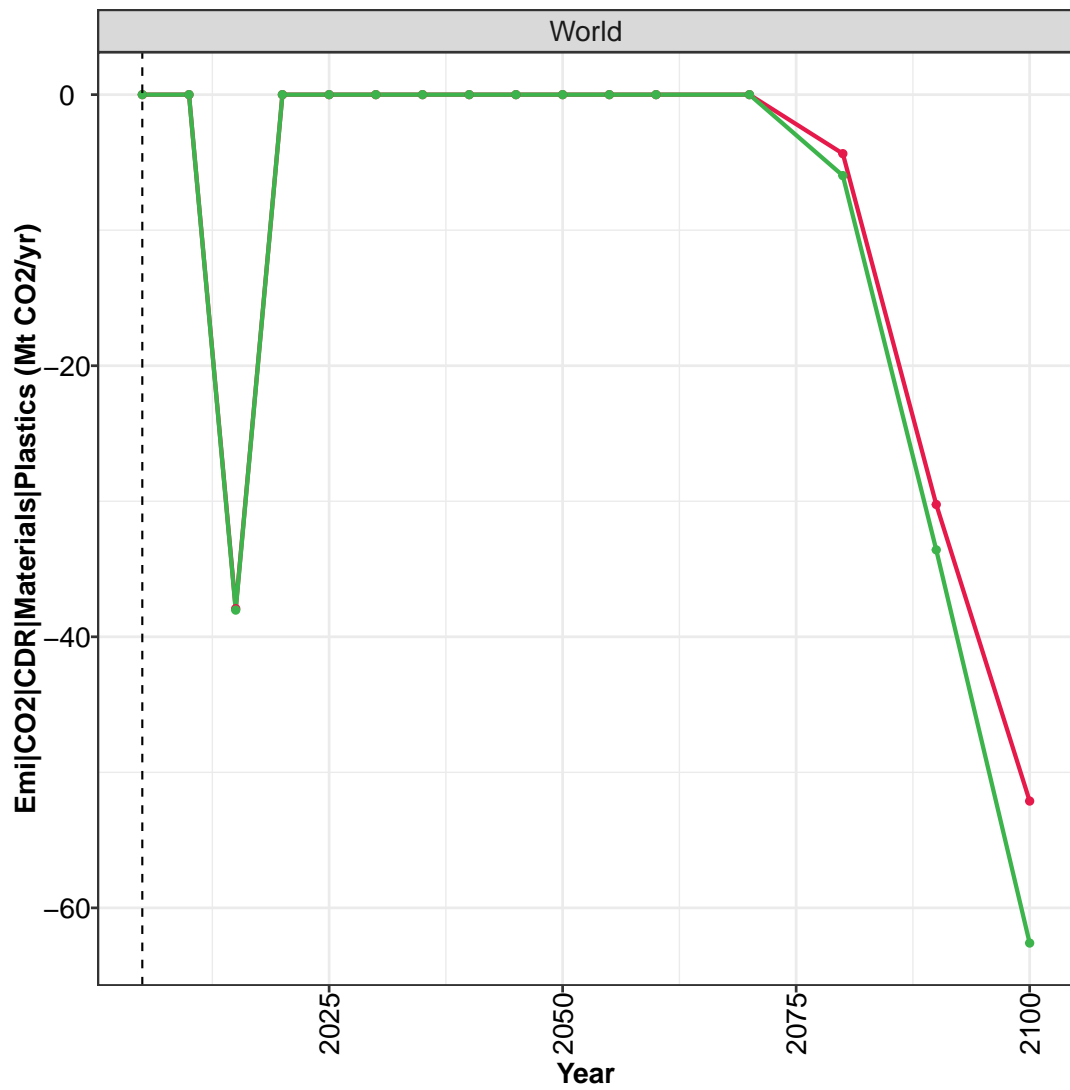




Model: REMIND

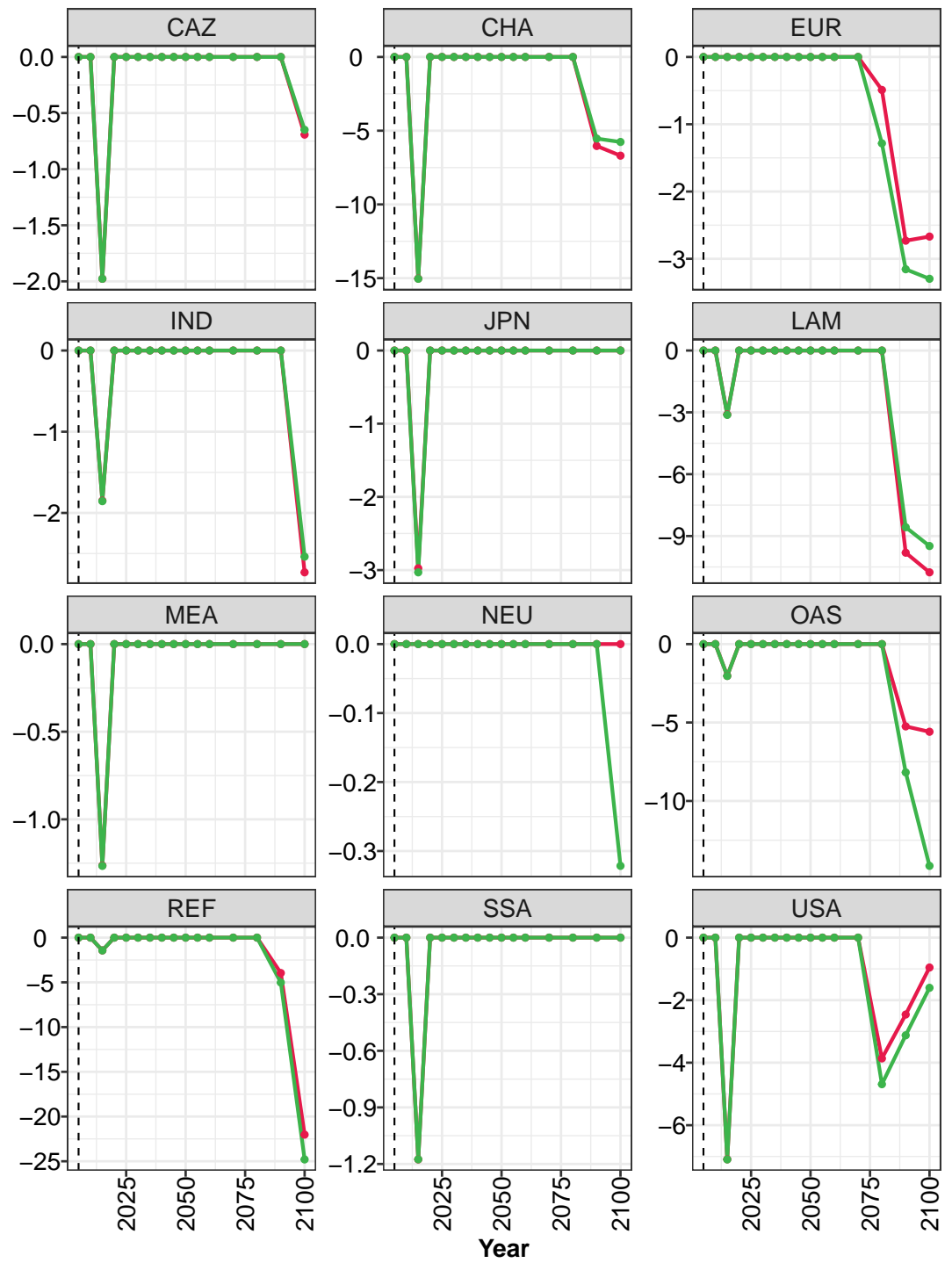
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



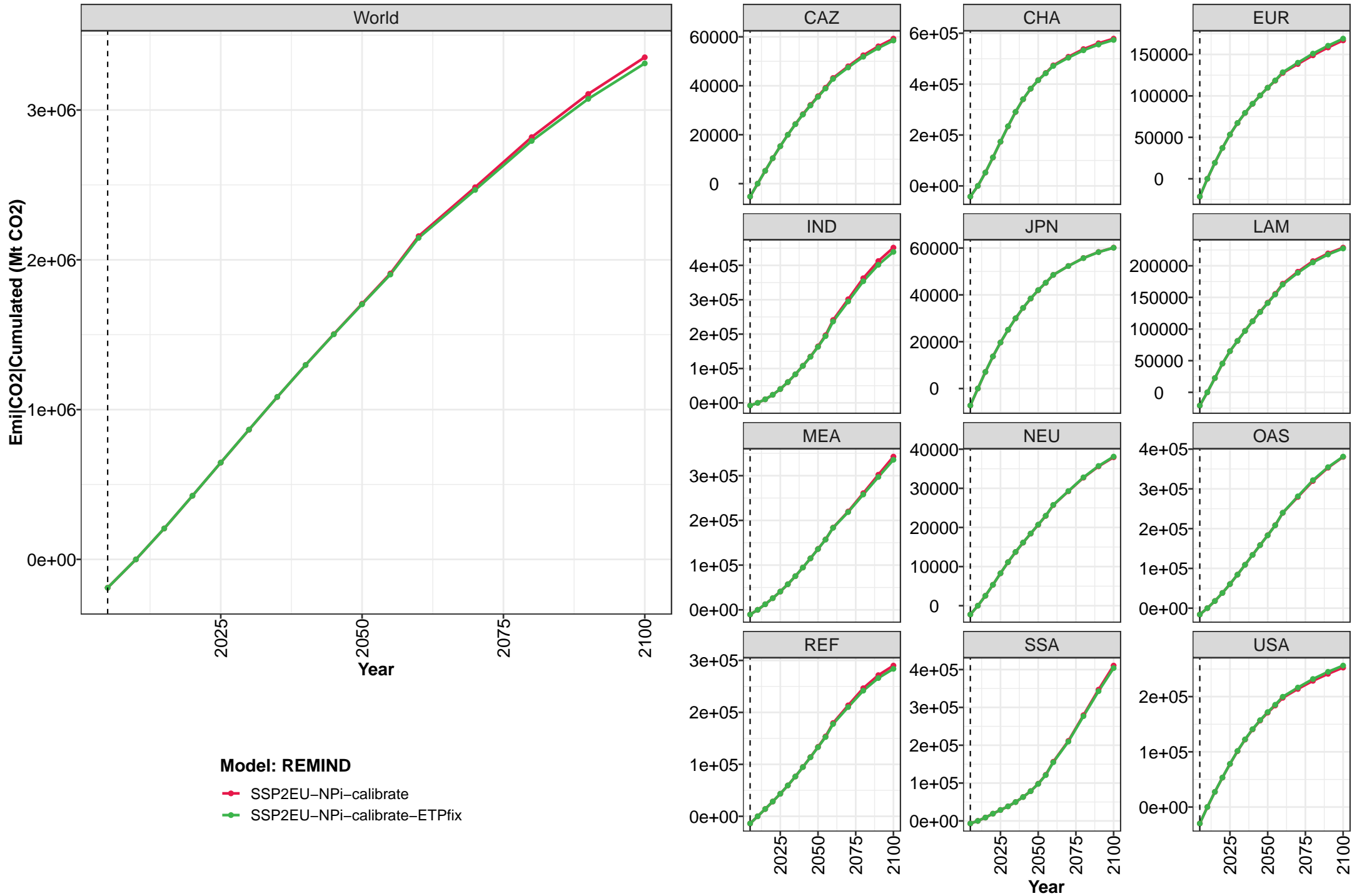


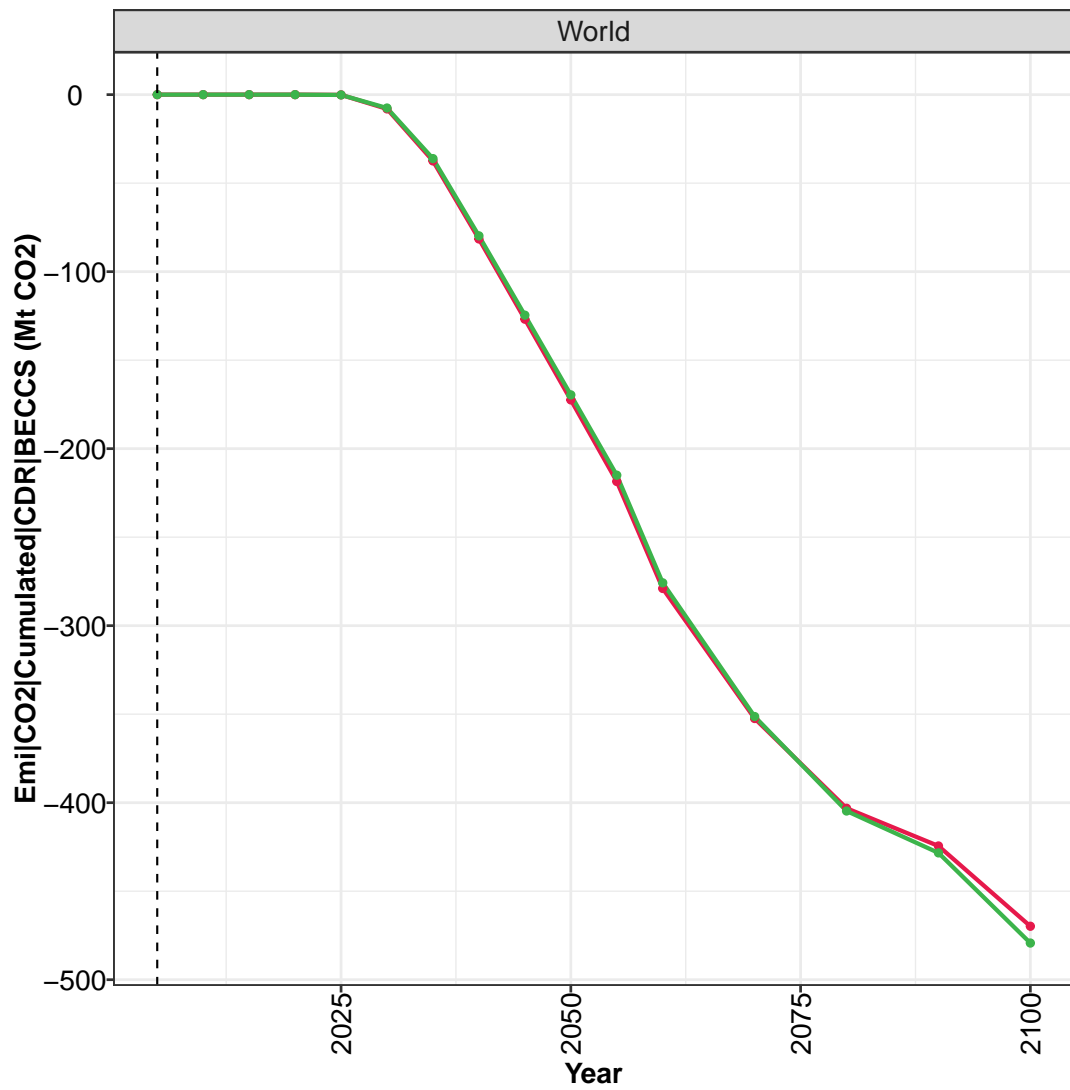
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



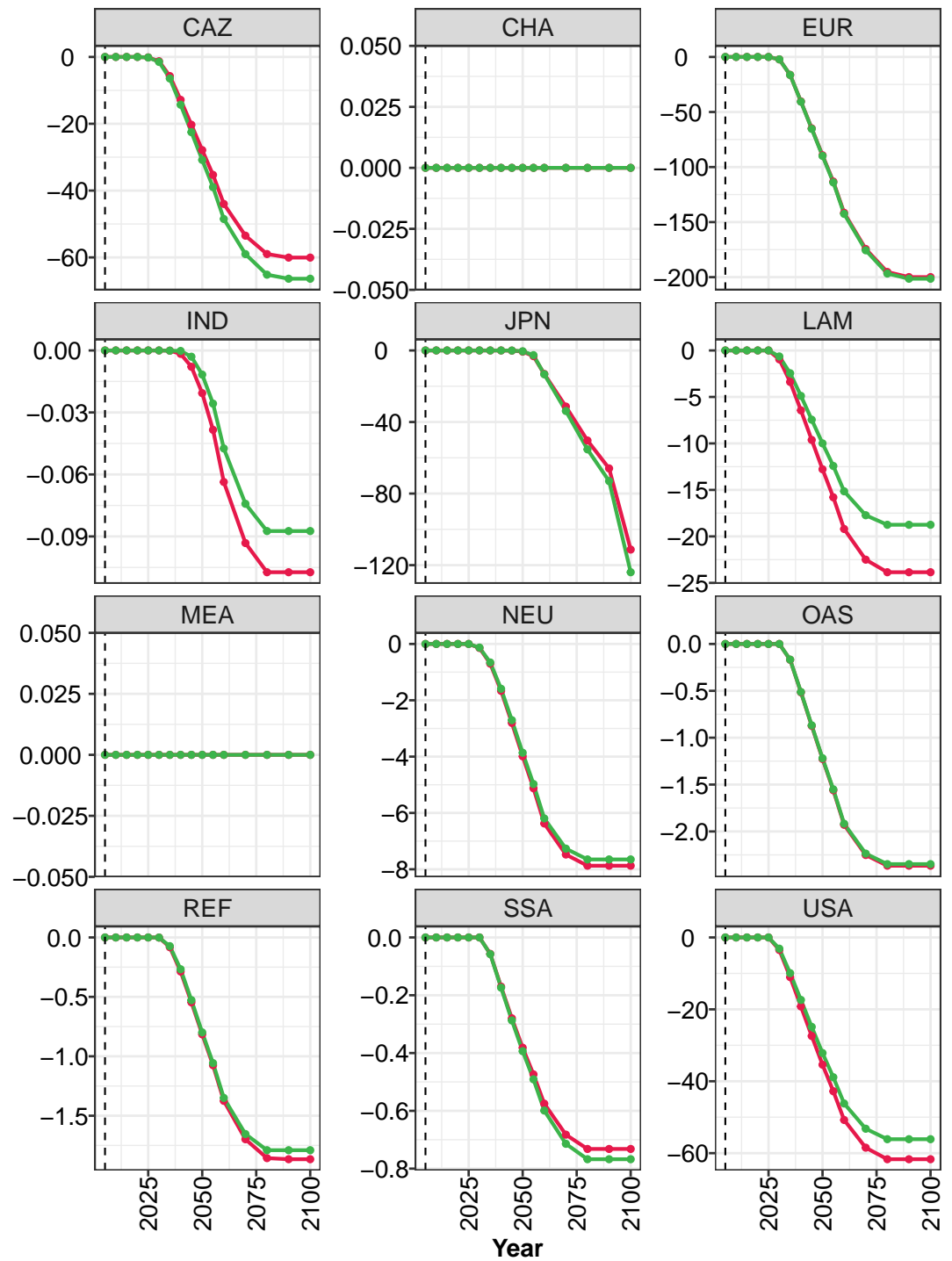
3.4.22 Cumulated Emissions

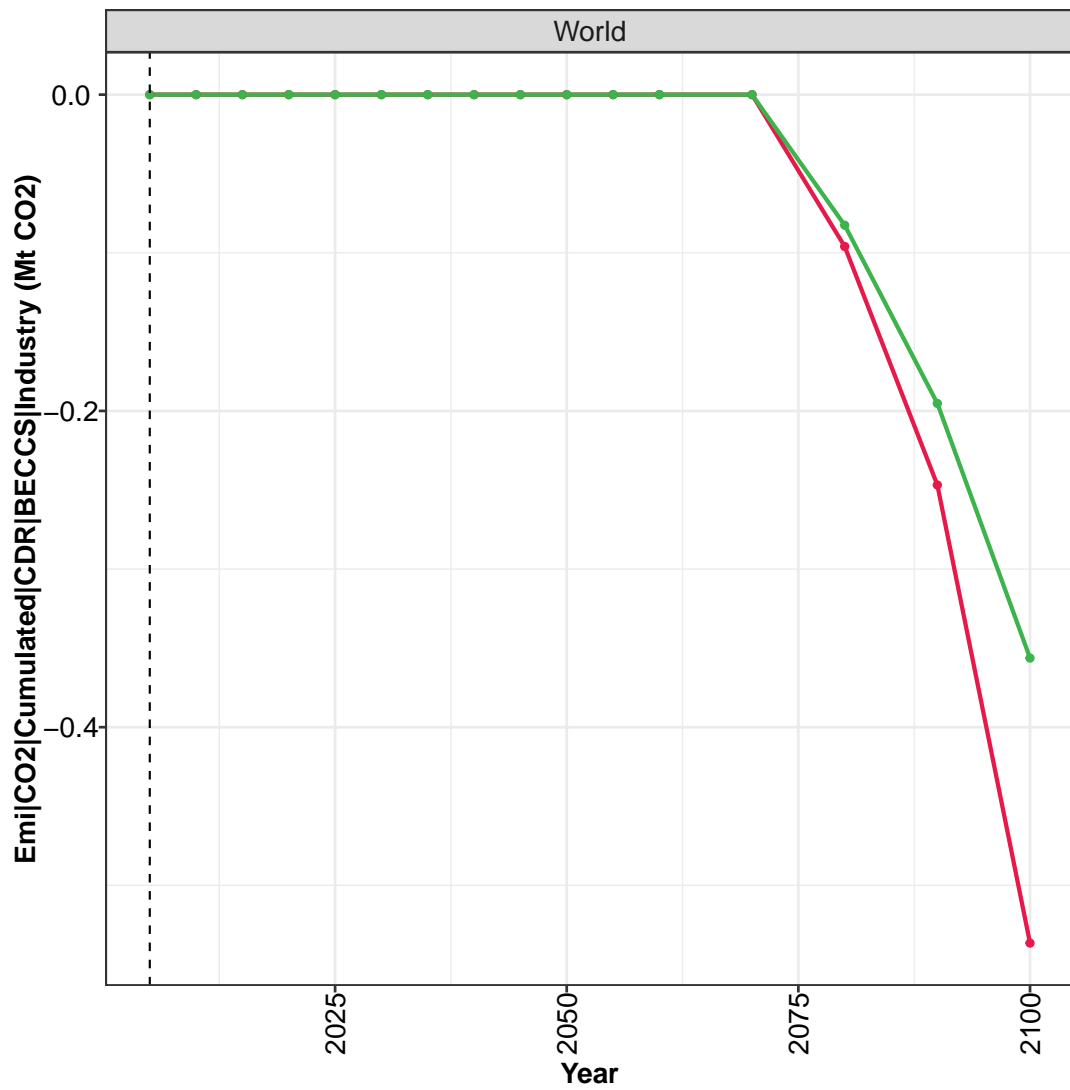




Model: REMIND

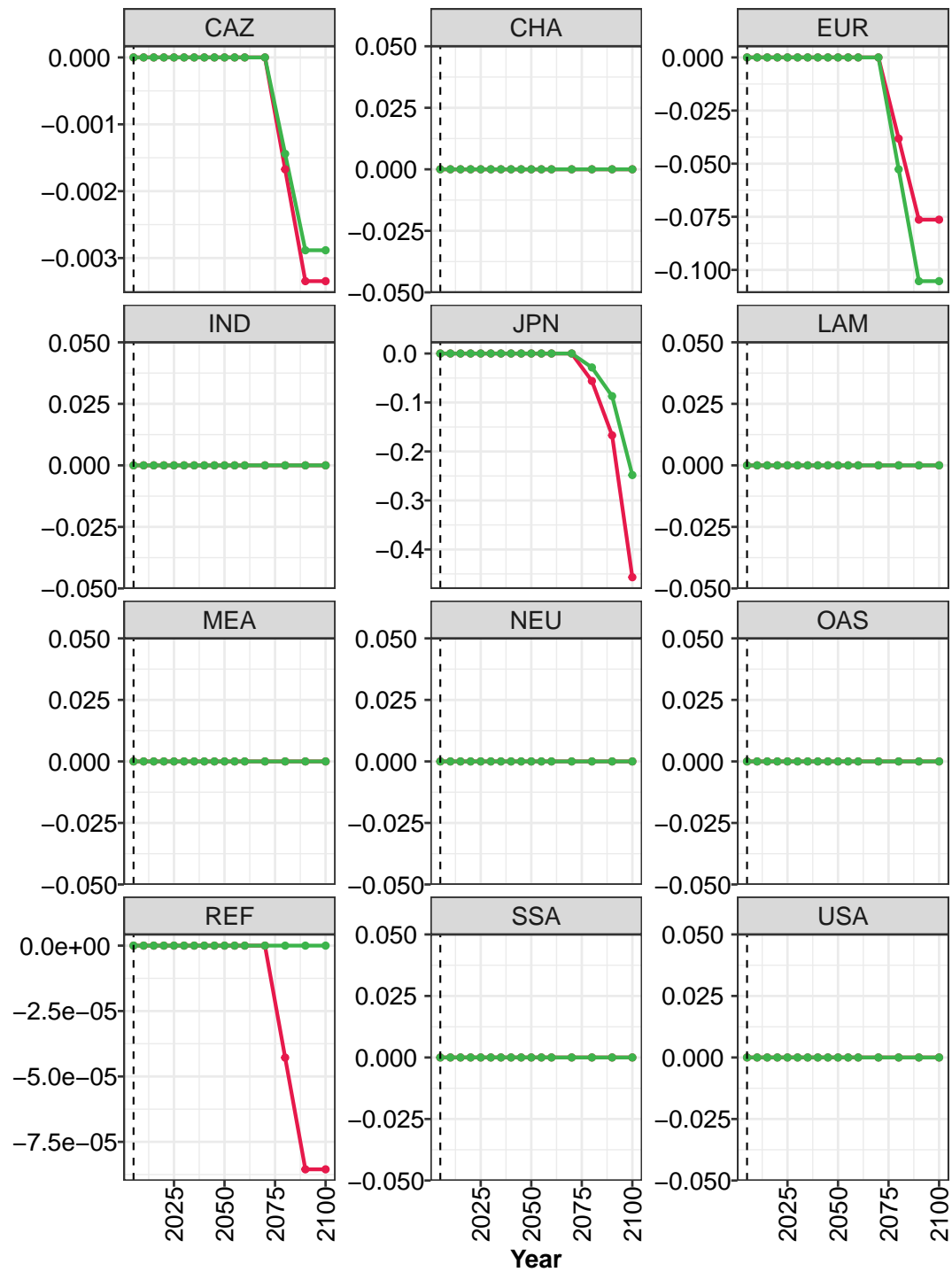
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

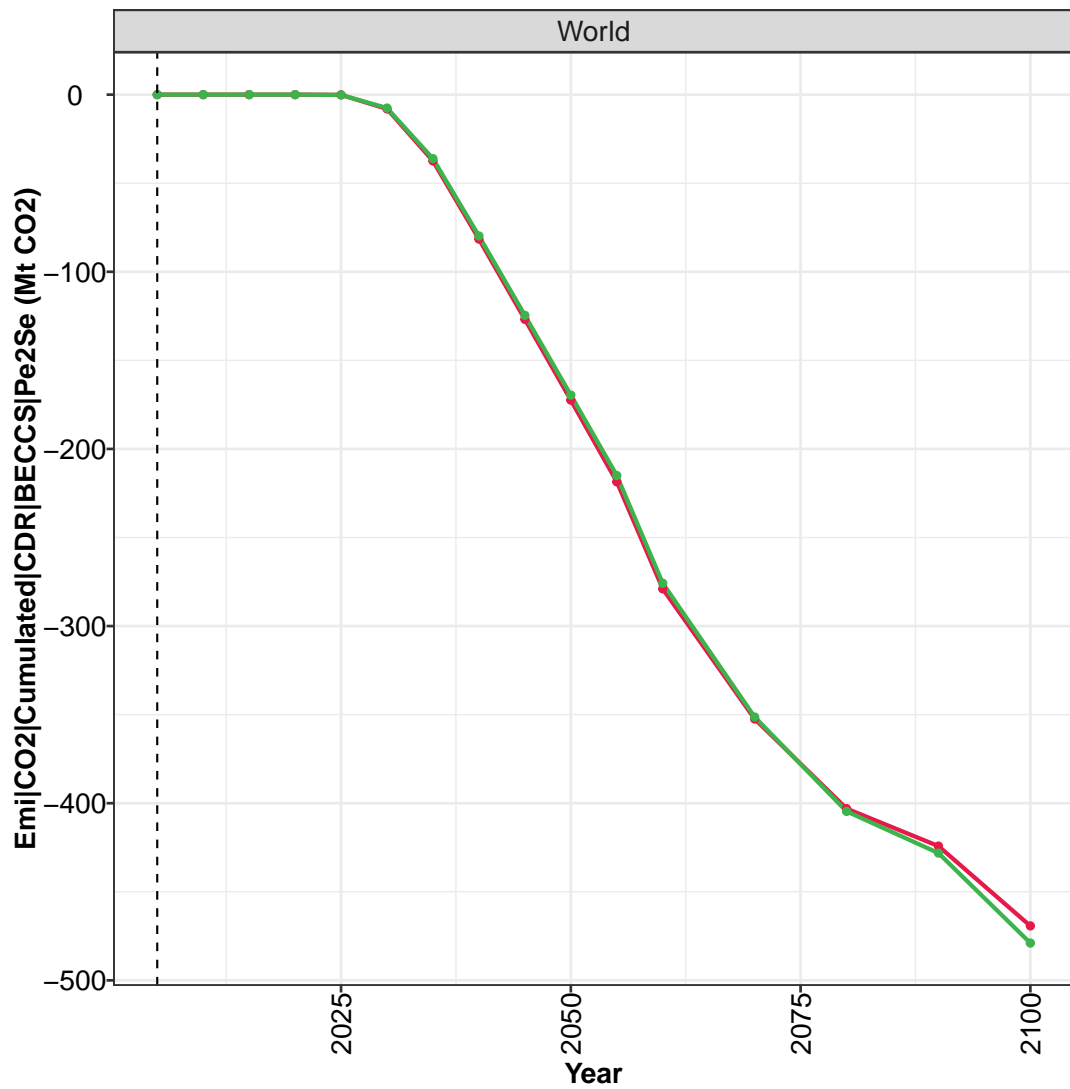




Model: REMIND

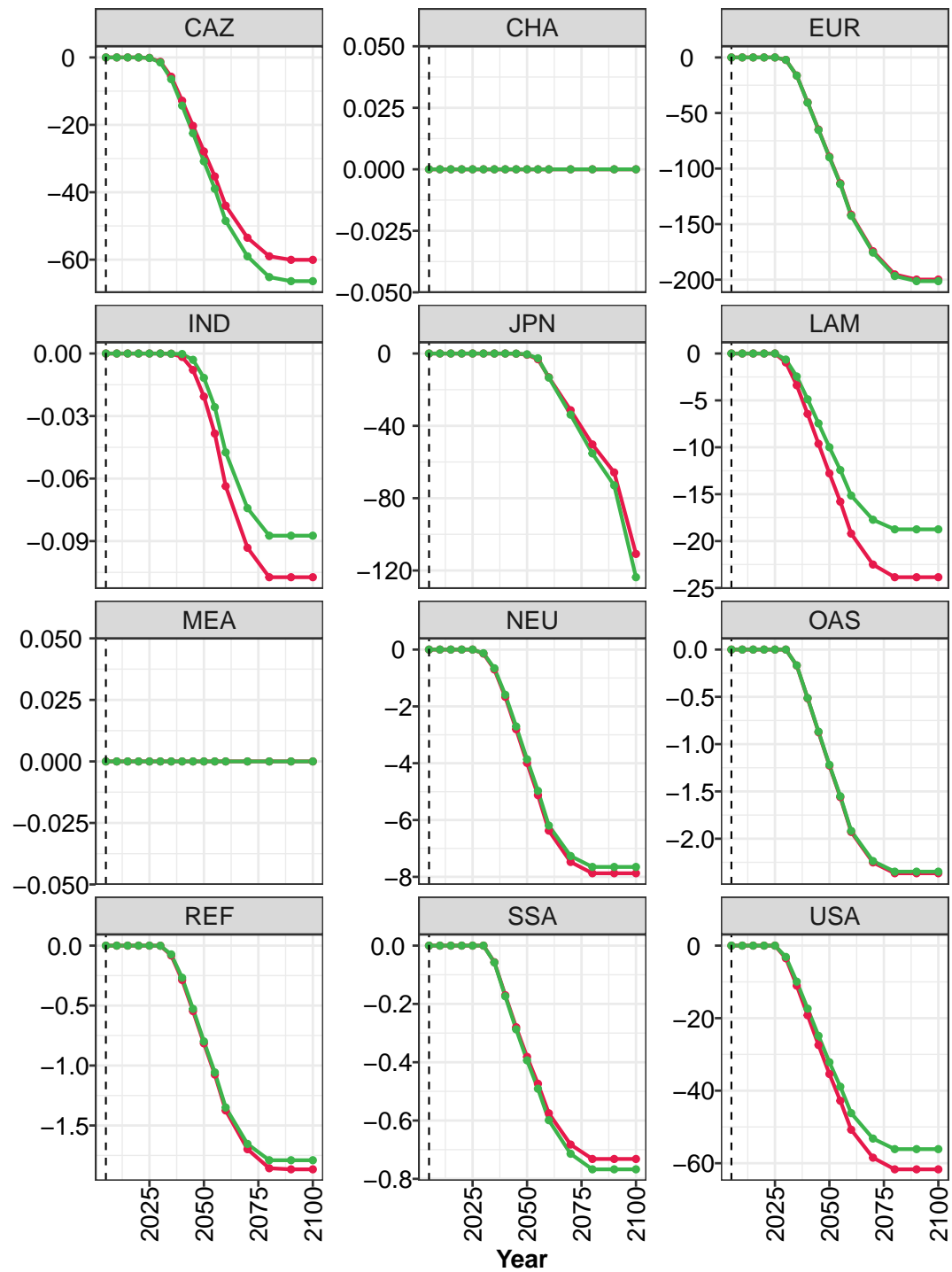
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

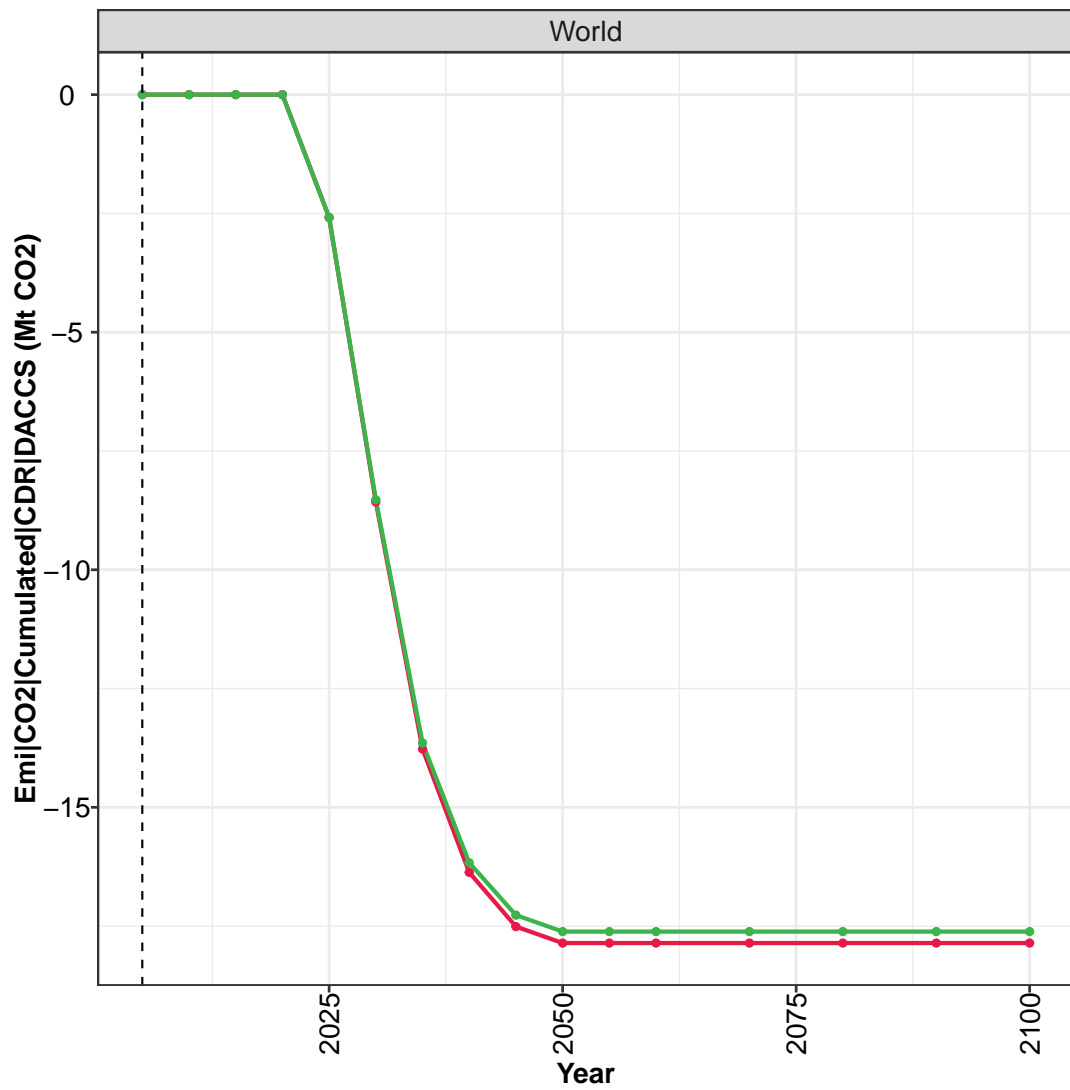




Model: REMIND

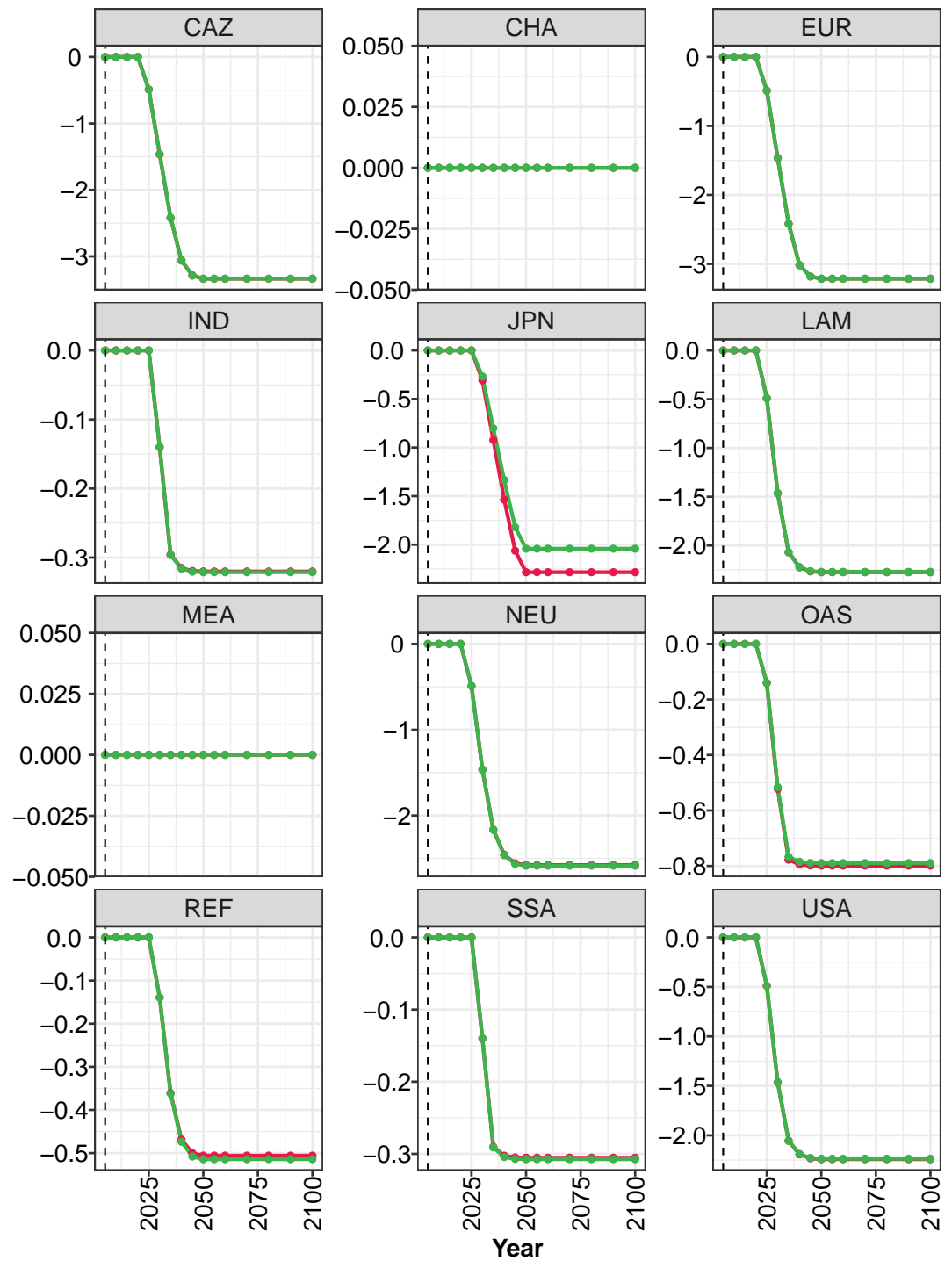
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

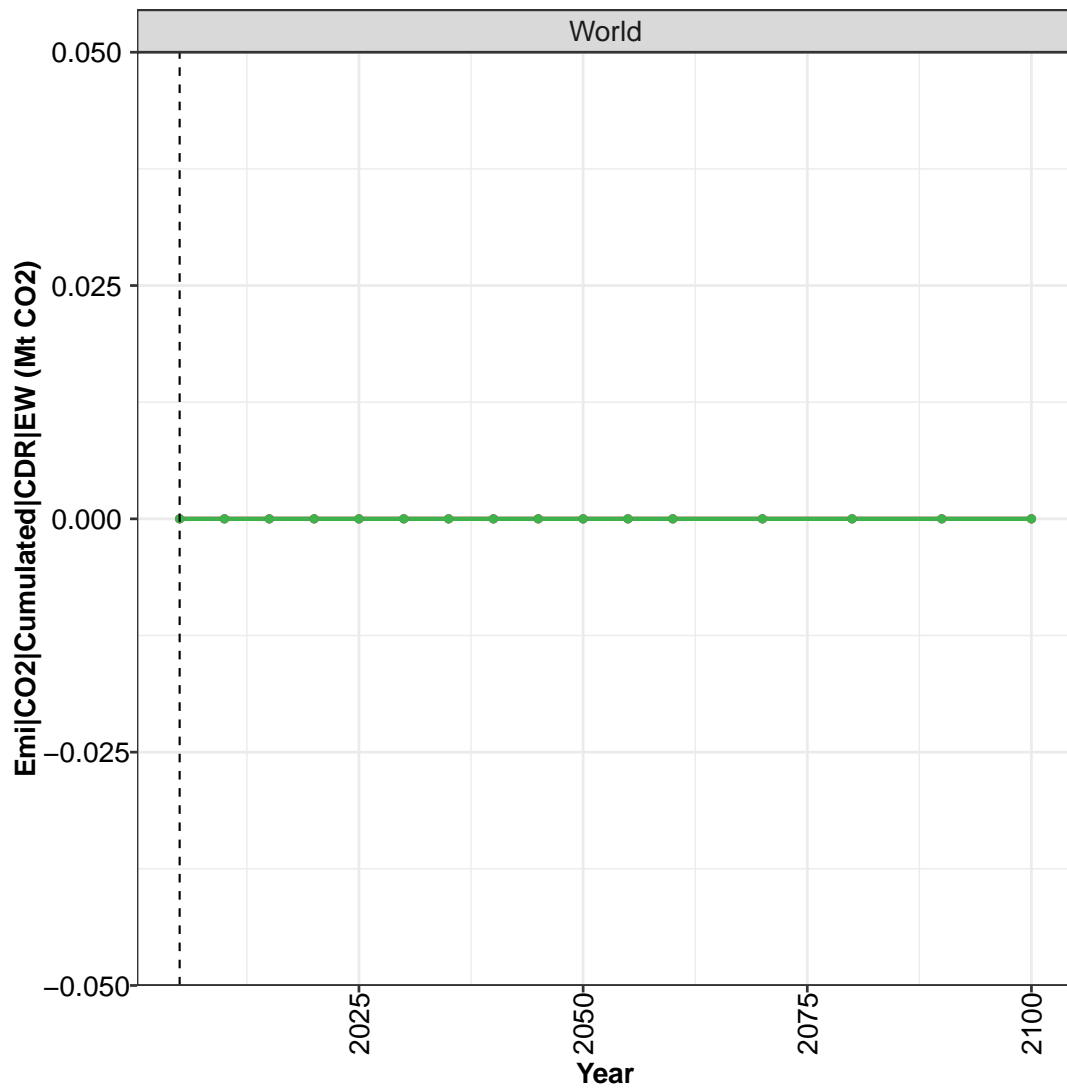




Model: REMIND

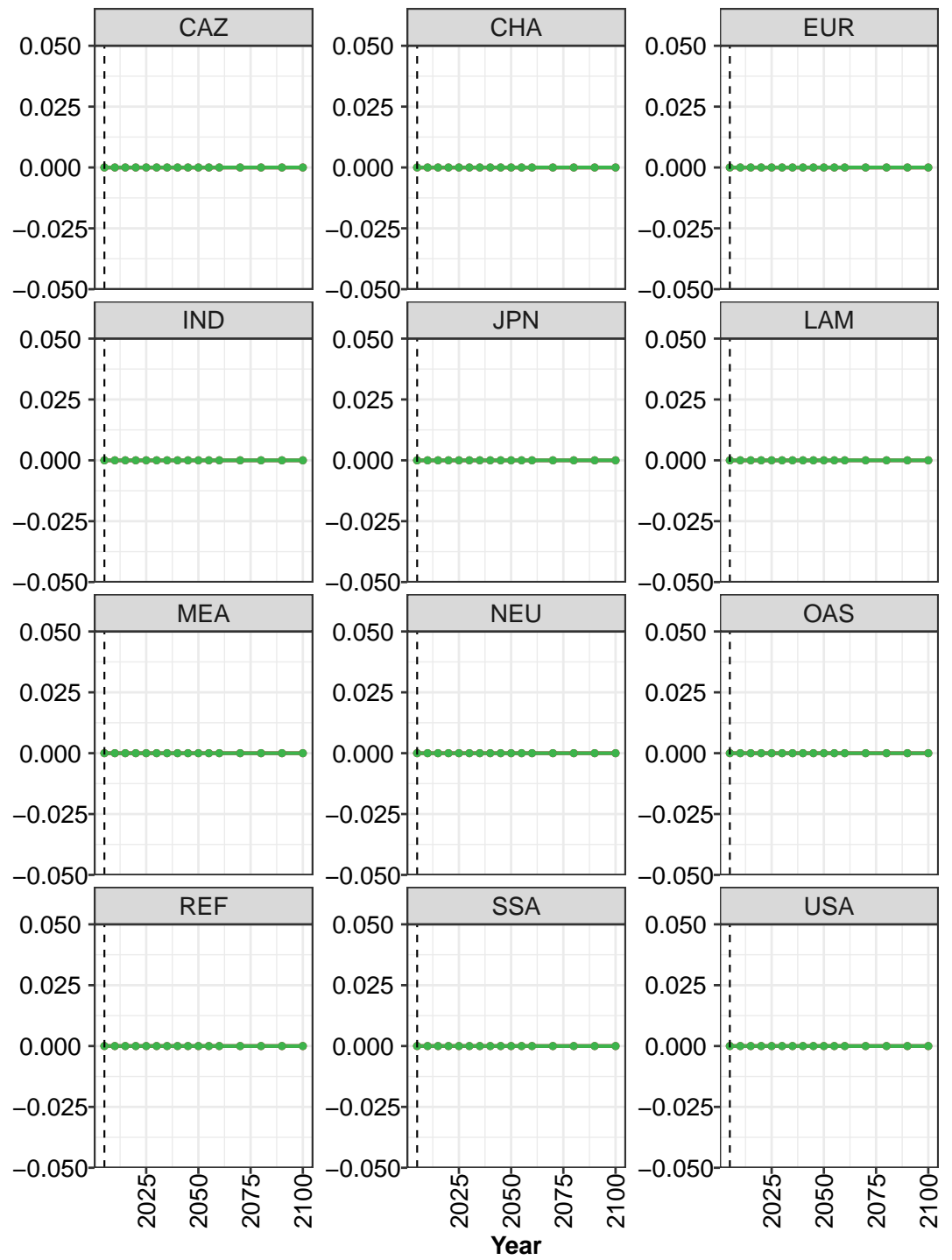
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

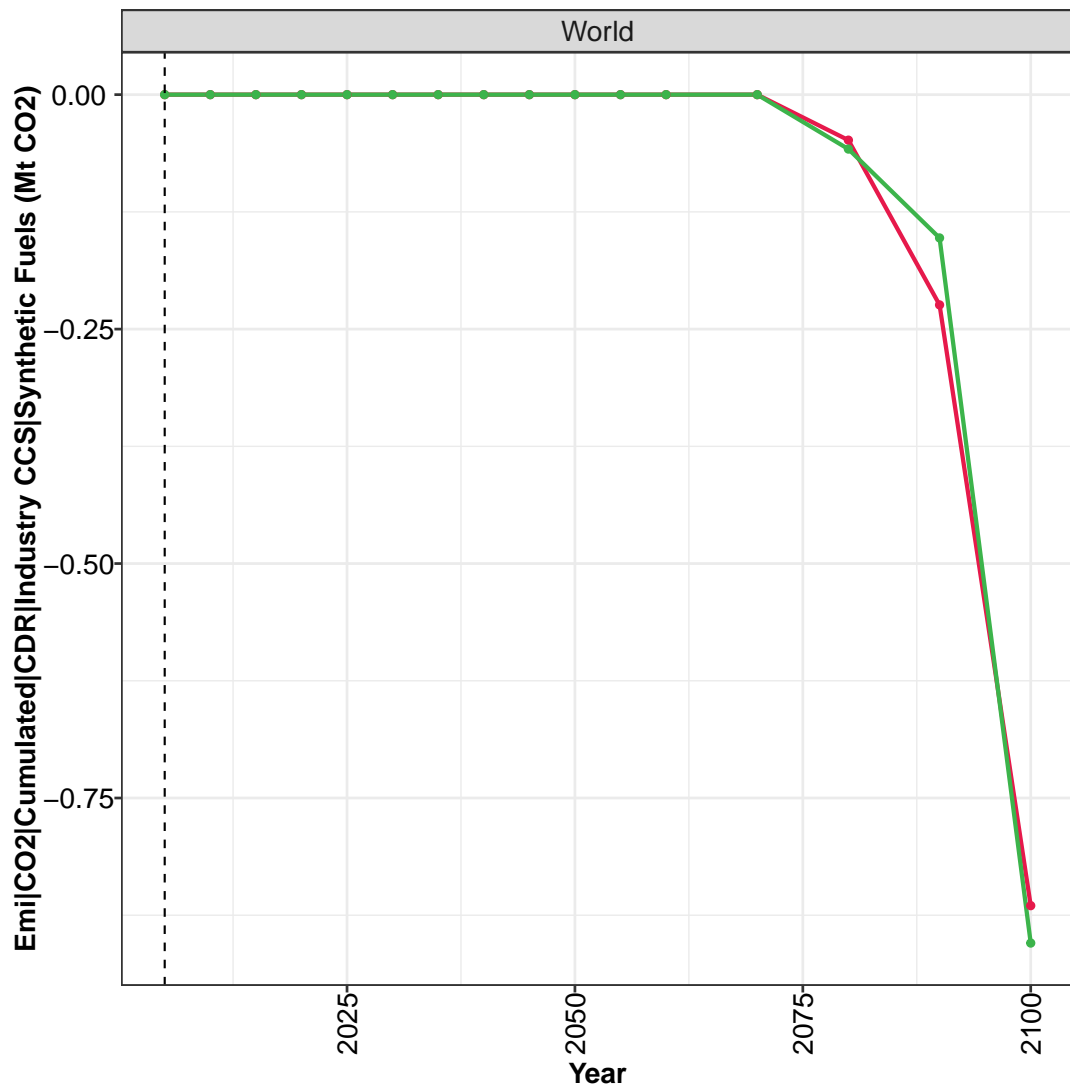




Model: REMIND

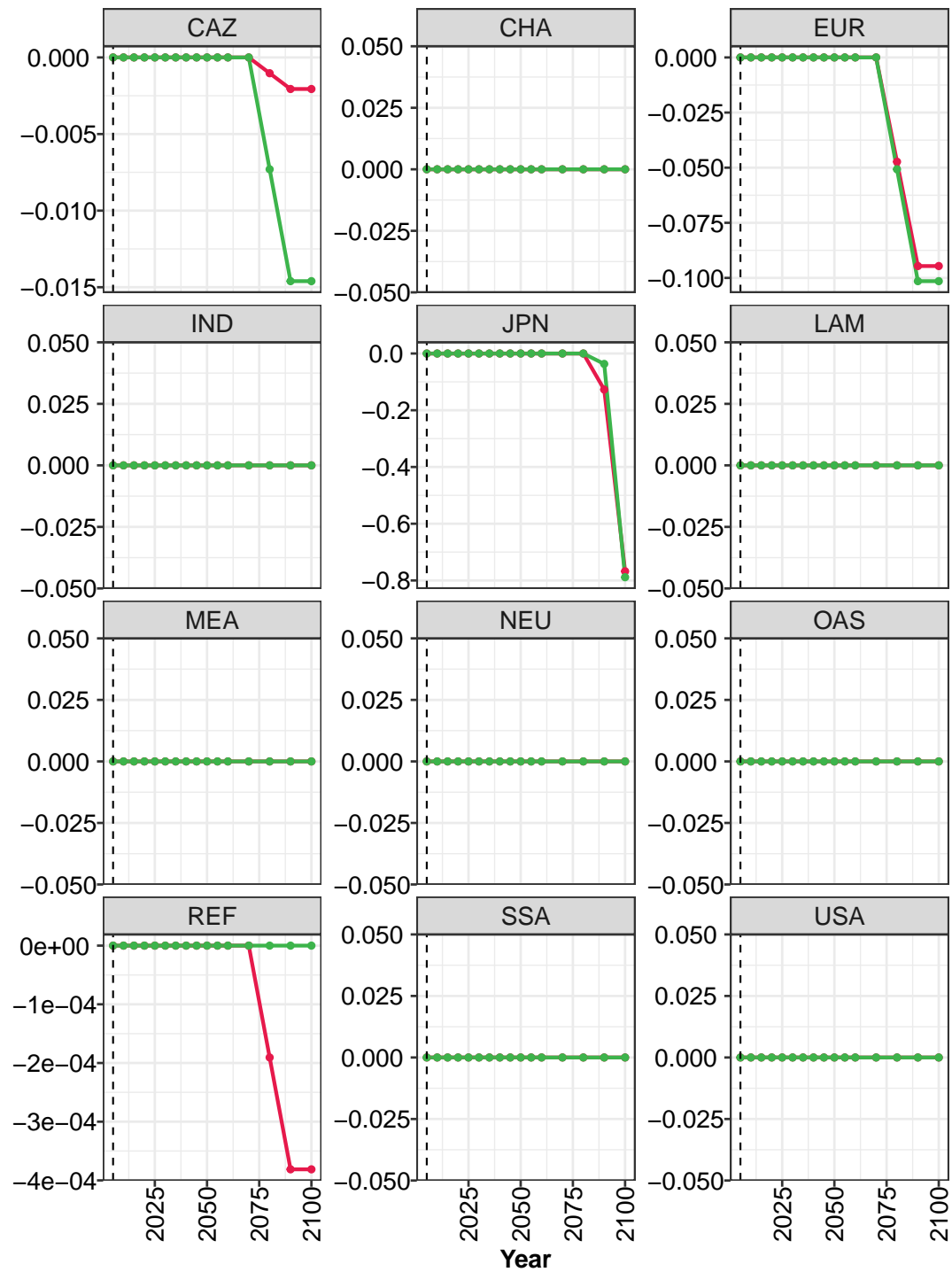
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

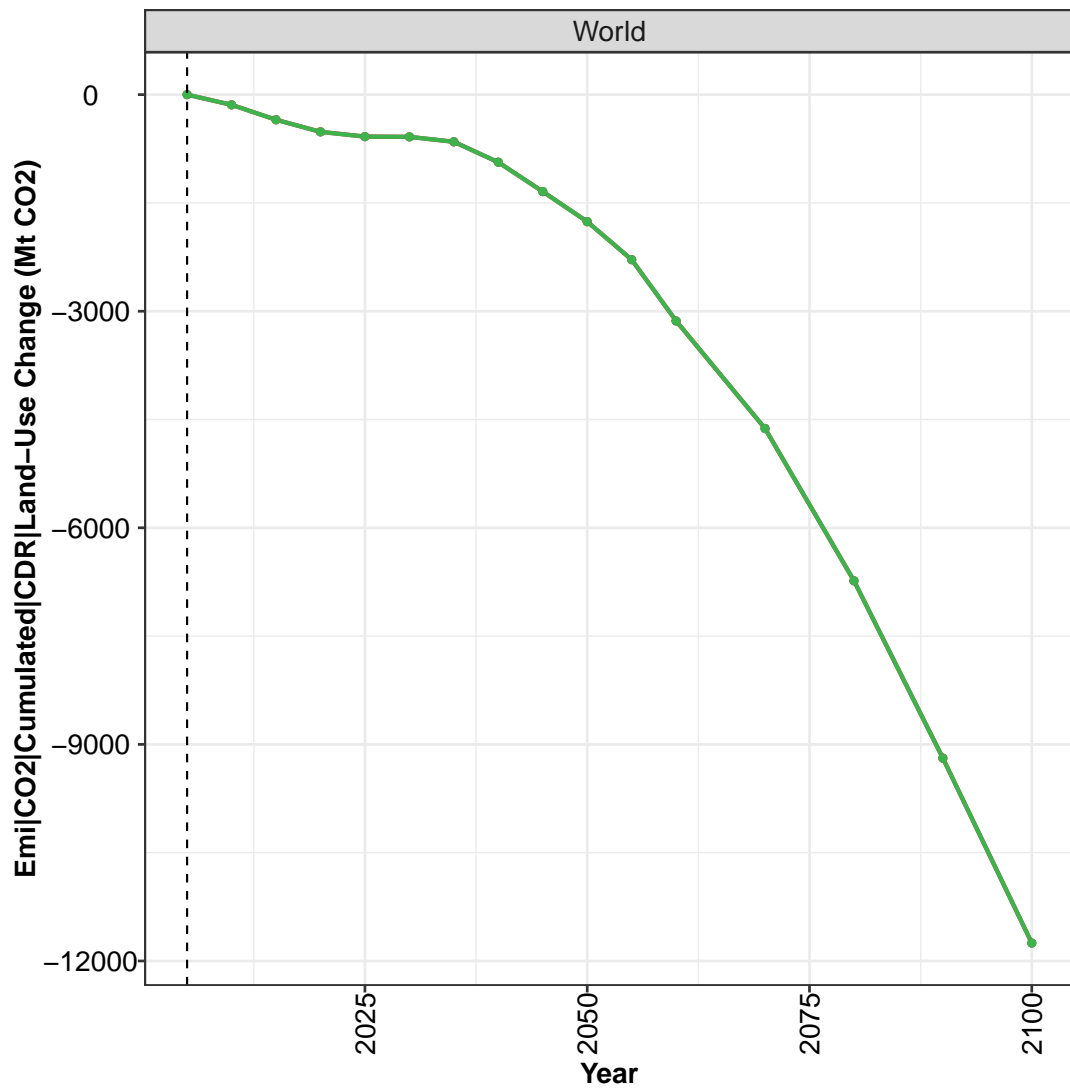




Model: REMIND

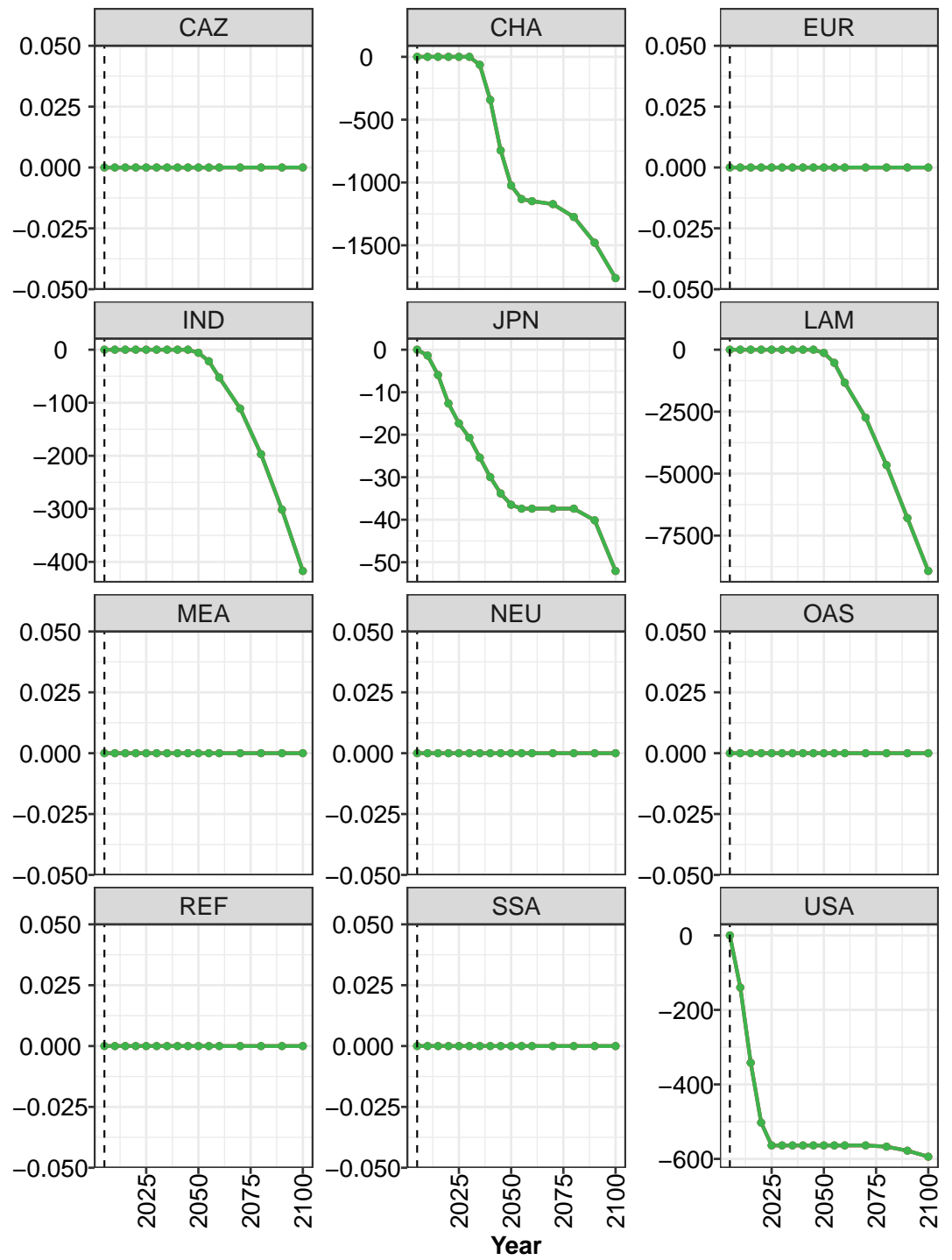
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix





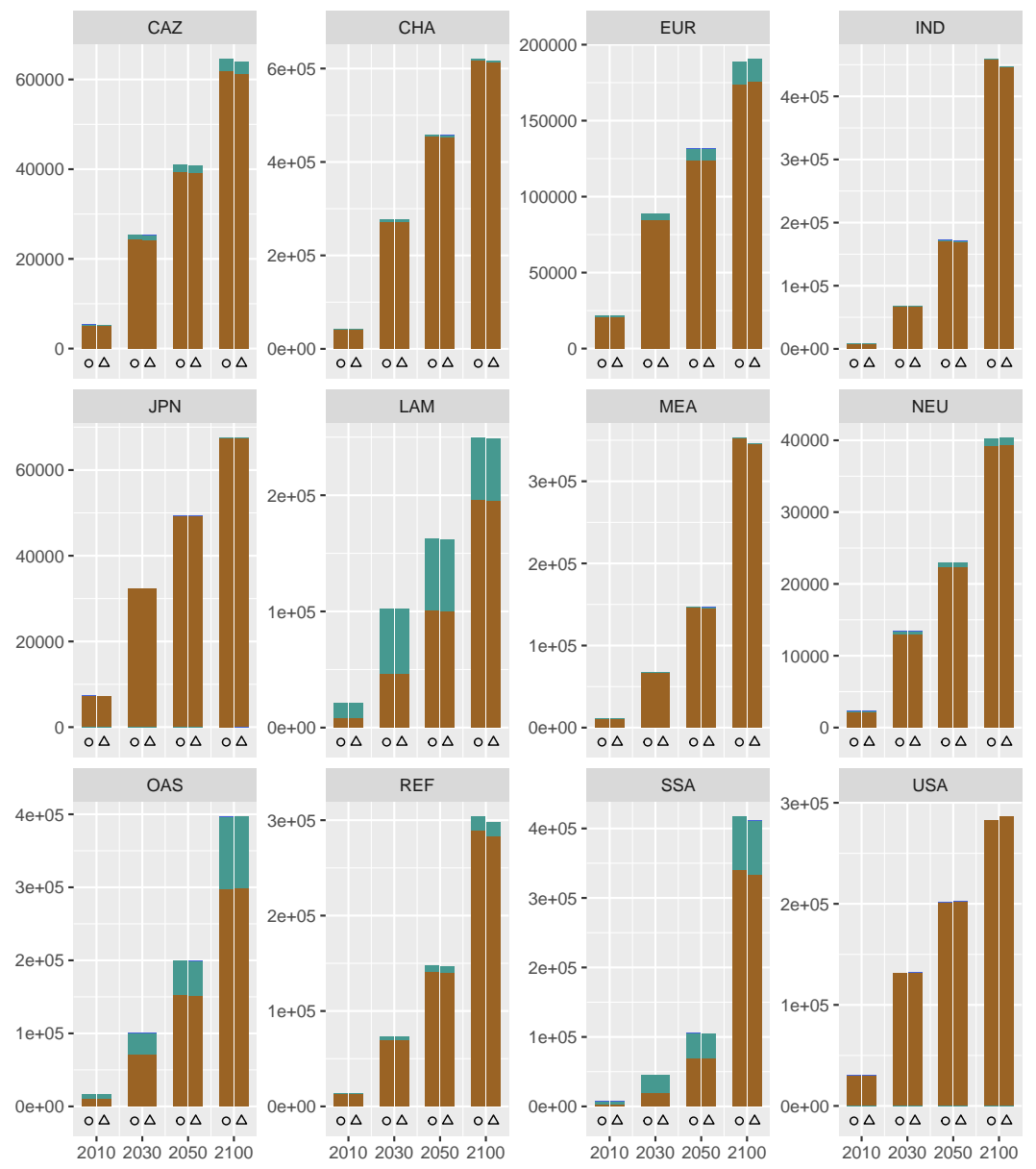
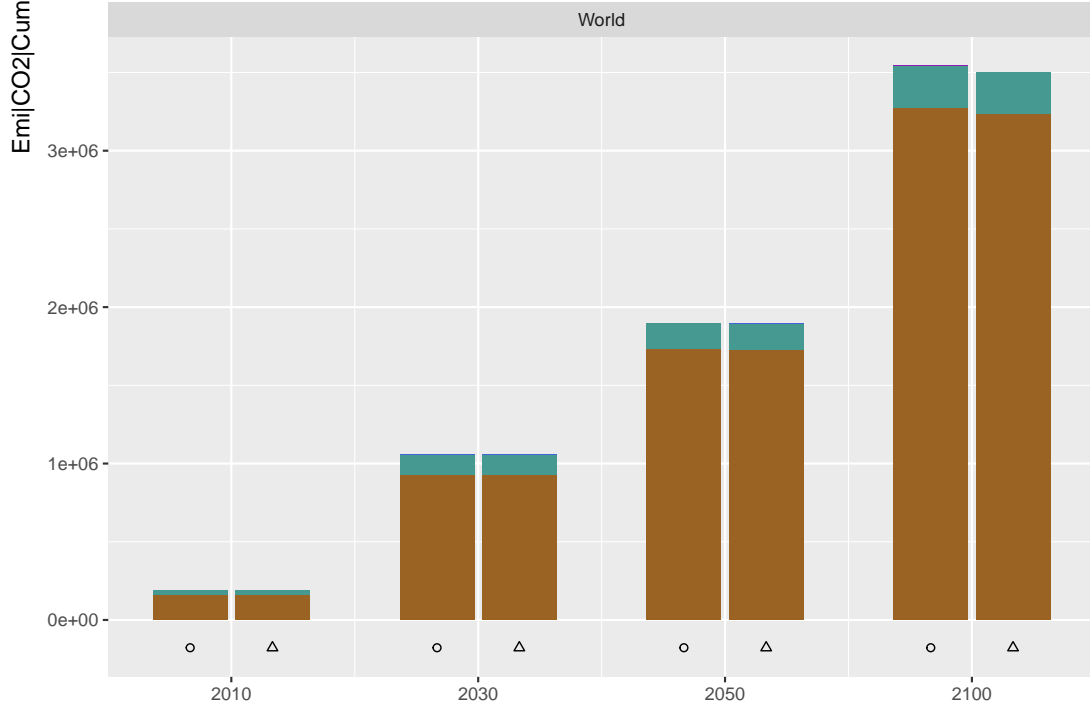
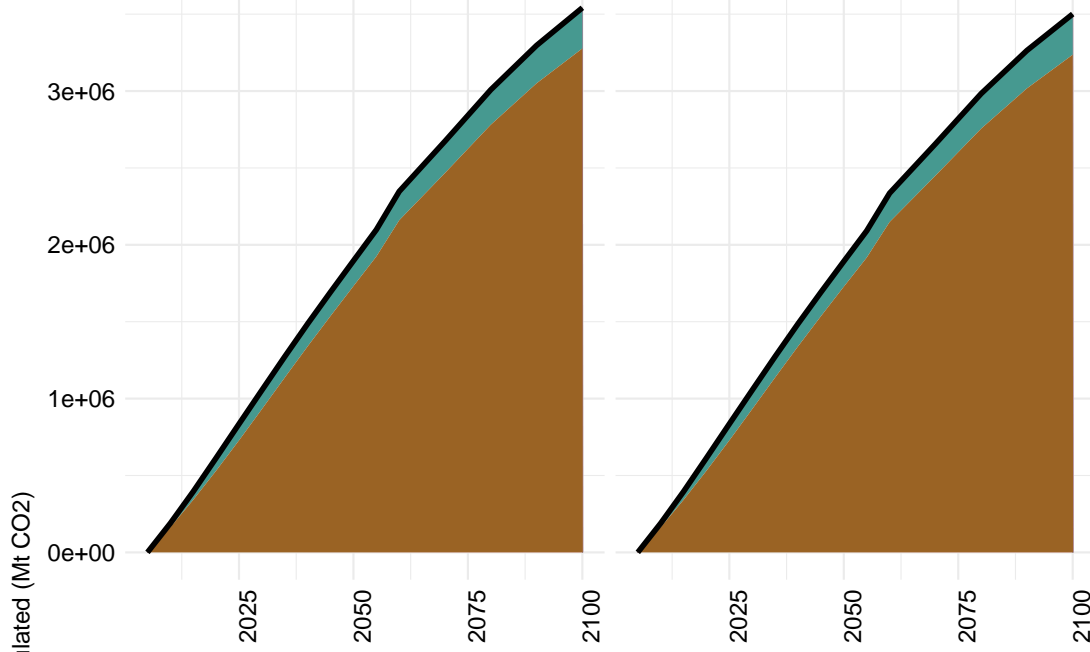
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



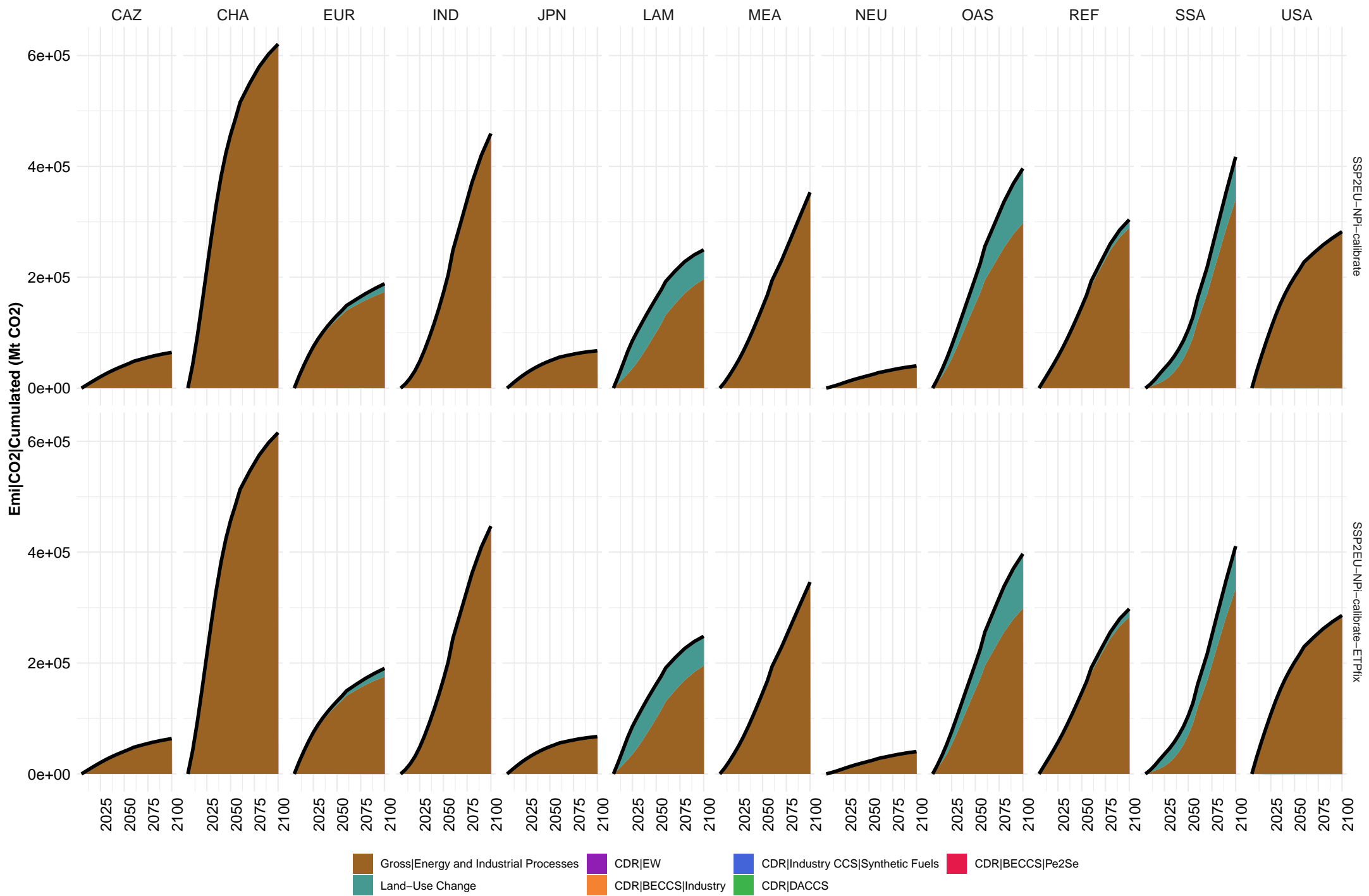
SSP2EU-NPi-calibrate

SSP2EU-NPi-calibrate-ETPfix



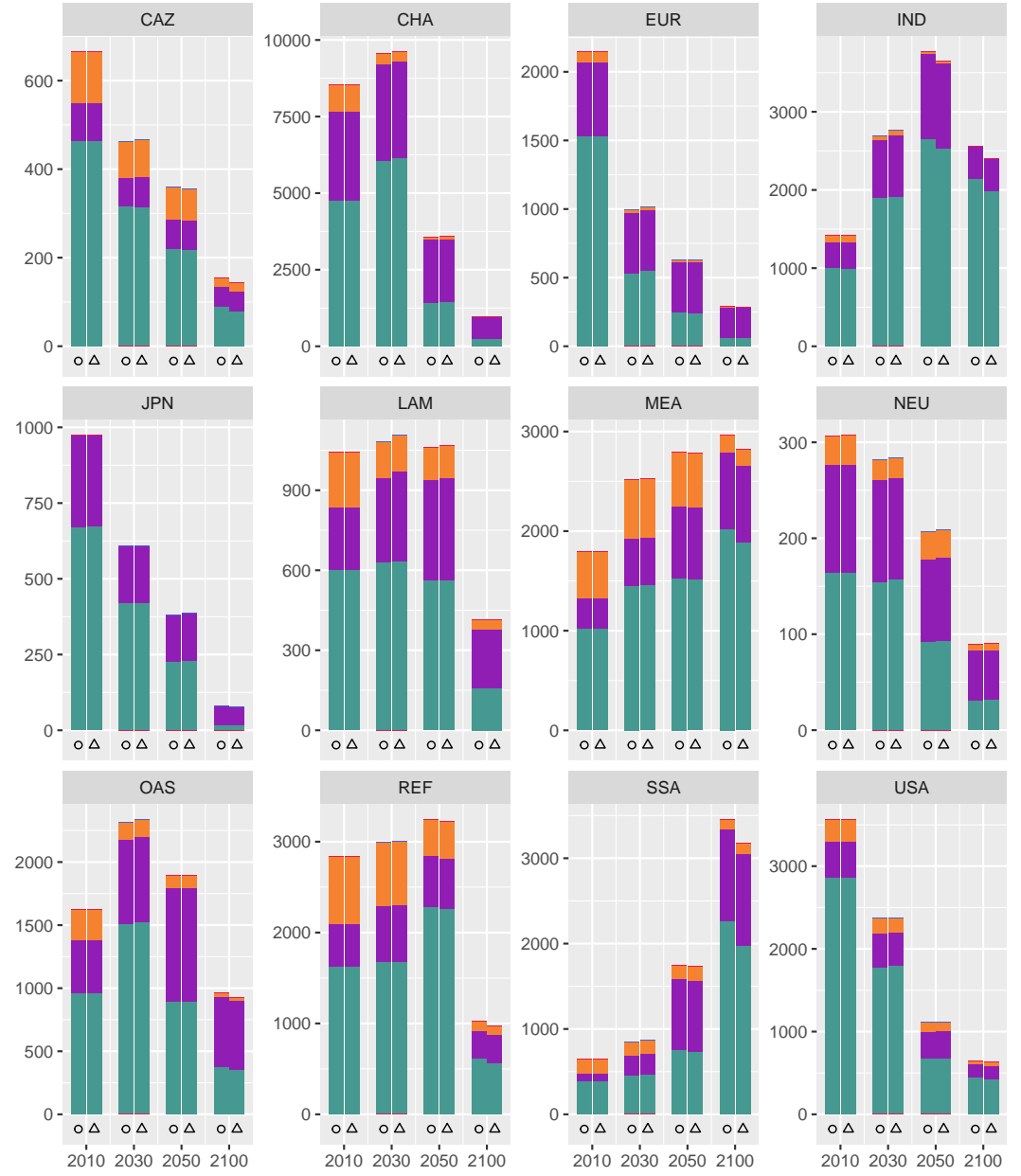
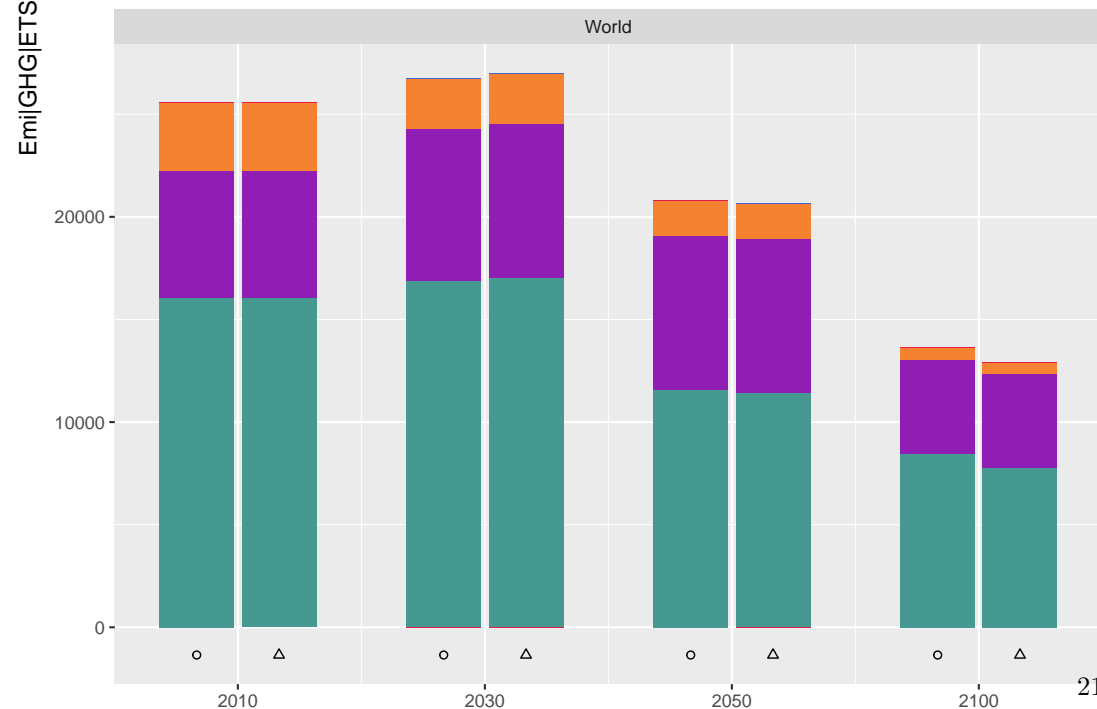
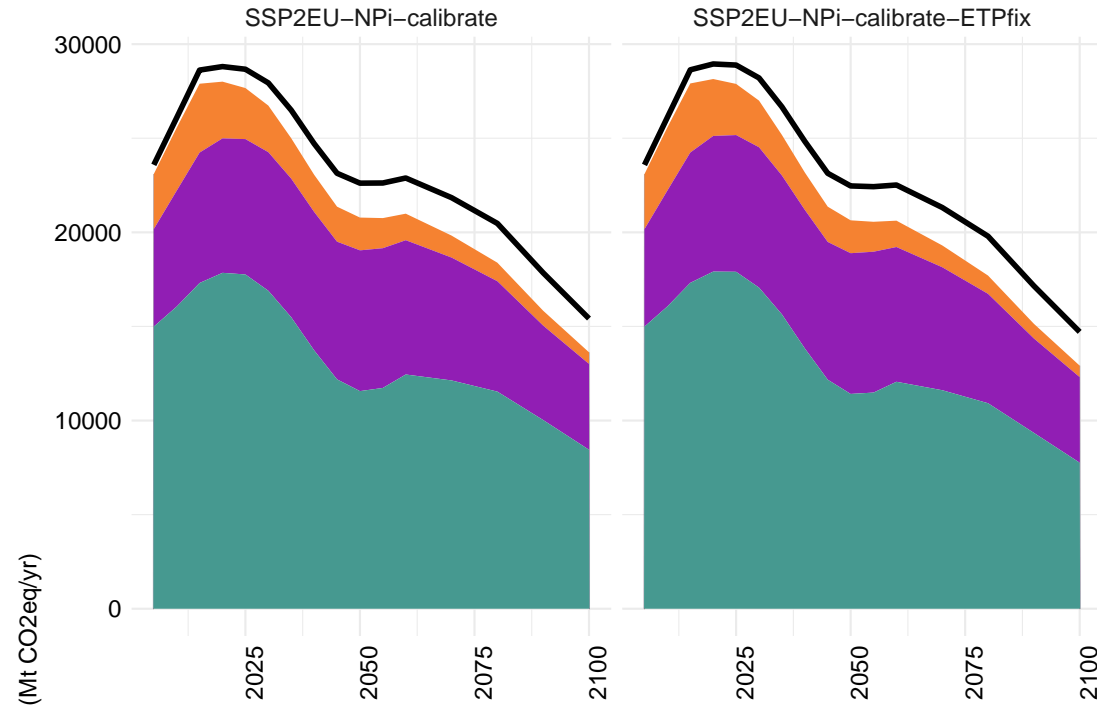
○ SSP2EU-NPi-calibrate △ SSP2EU-NPi-calibrate-ETPfix

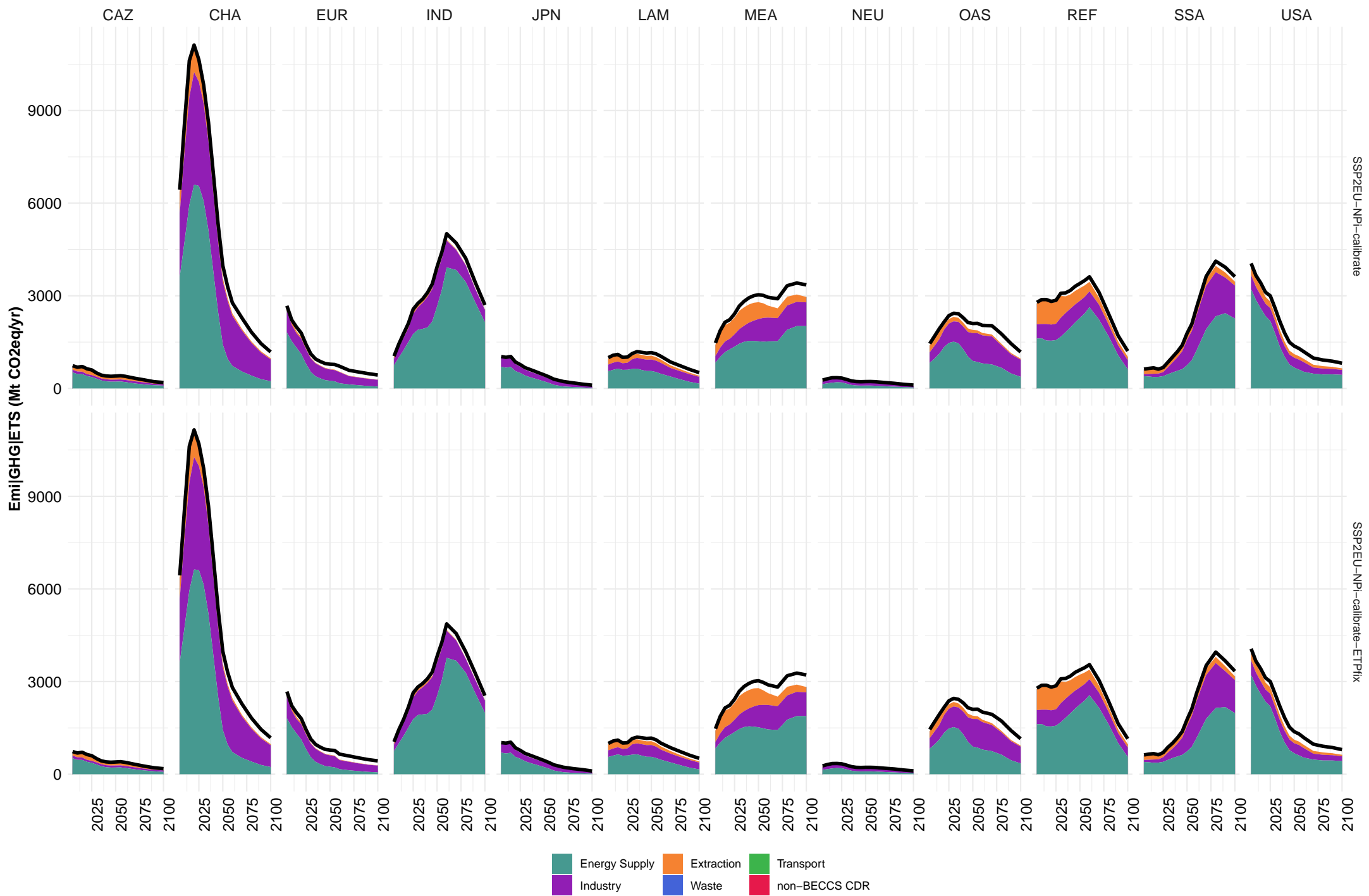




3.5 Market Emissions

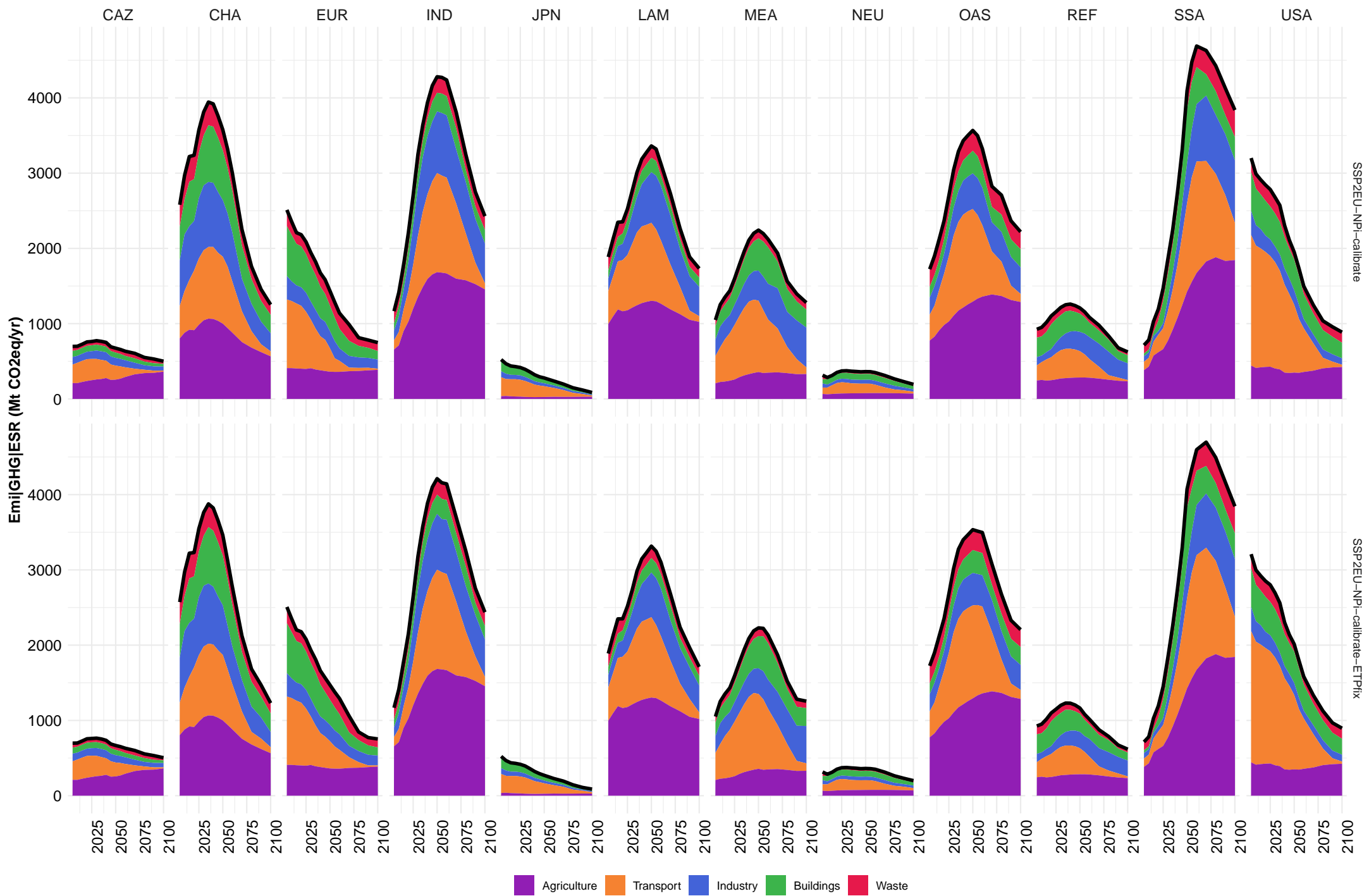
3.5.1 GHG ETS Emissions



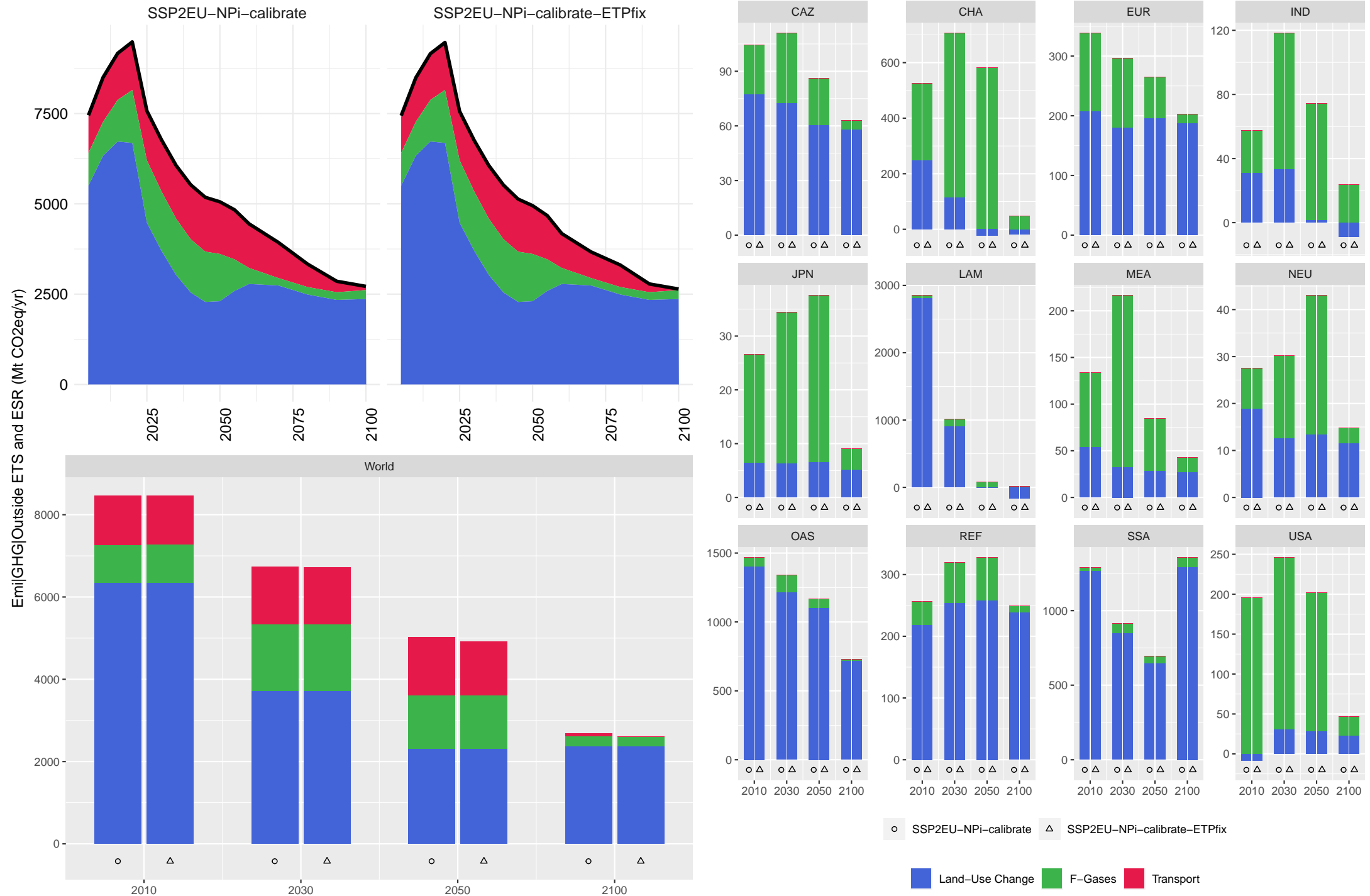


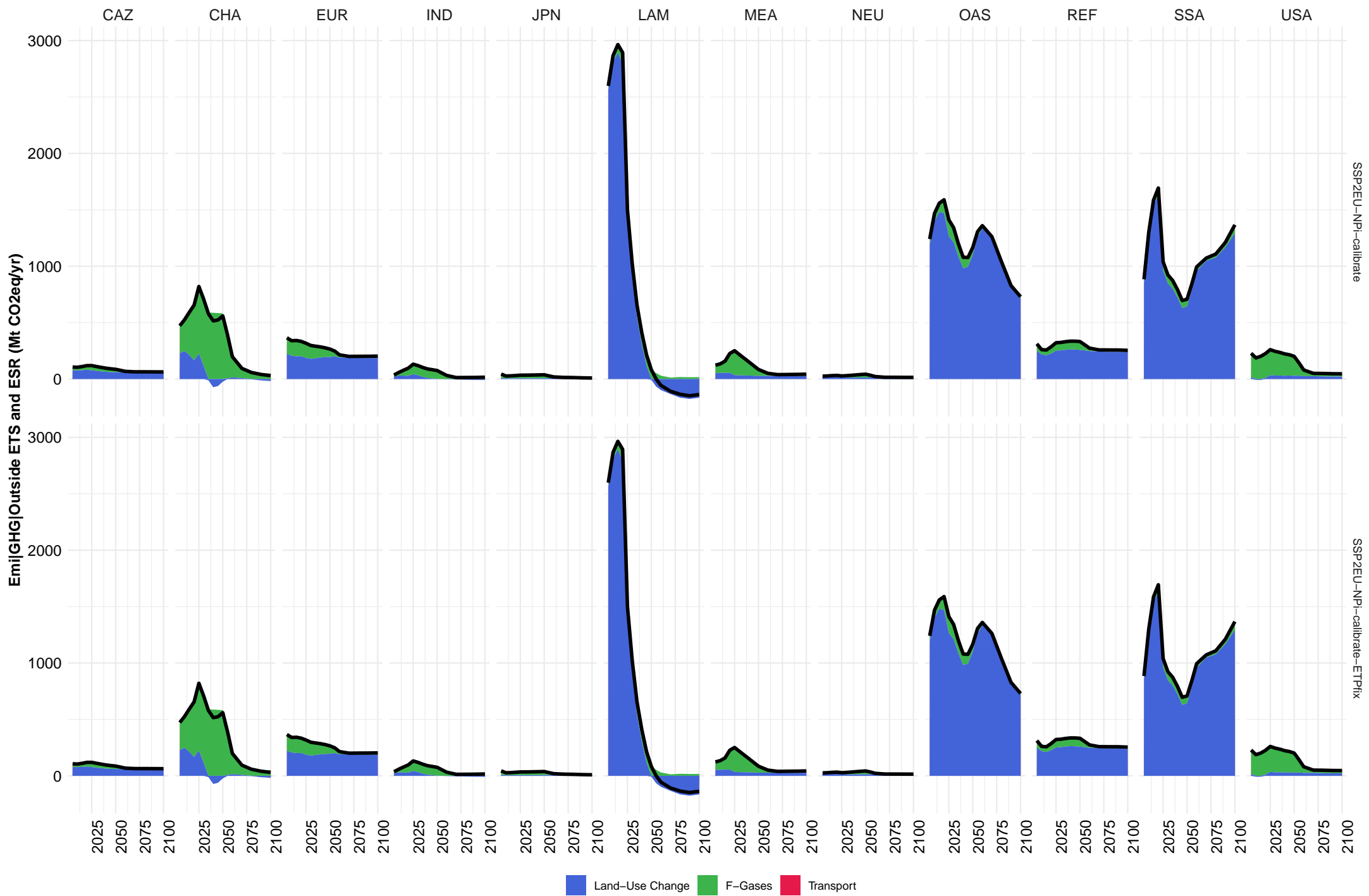
3.5.2 GHG ESR Emissions



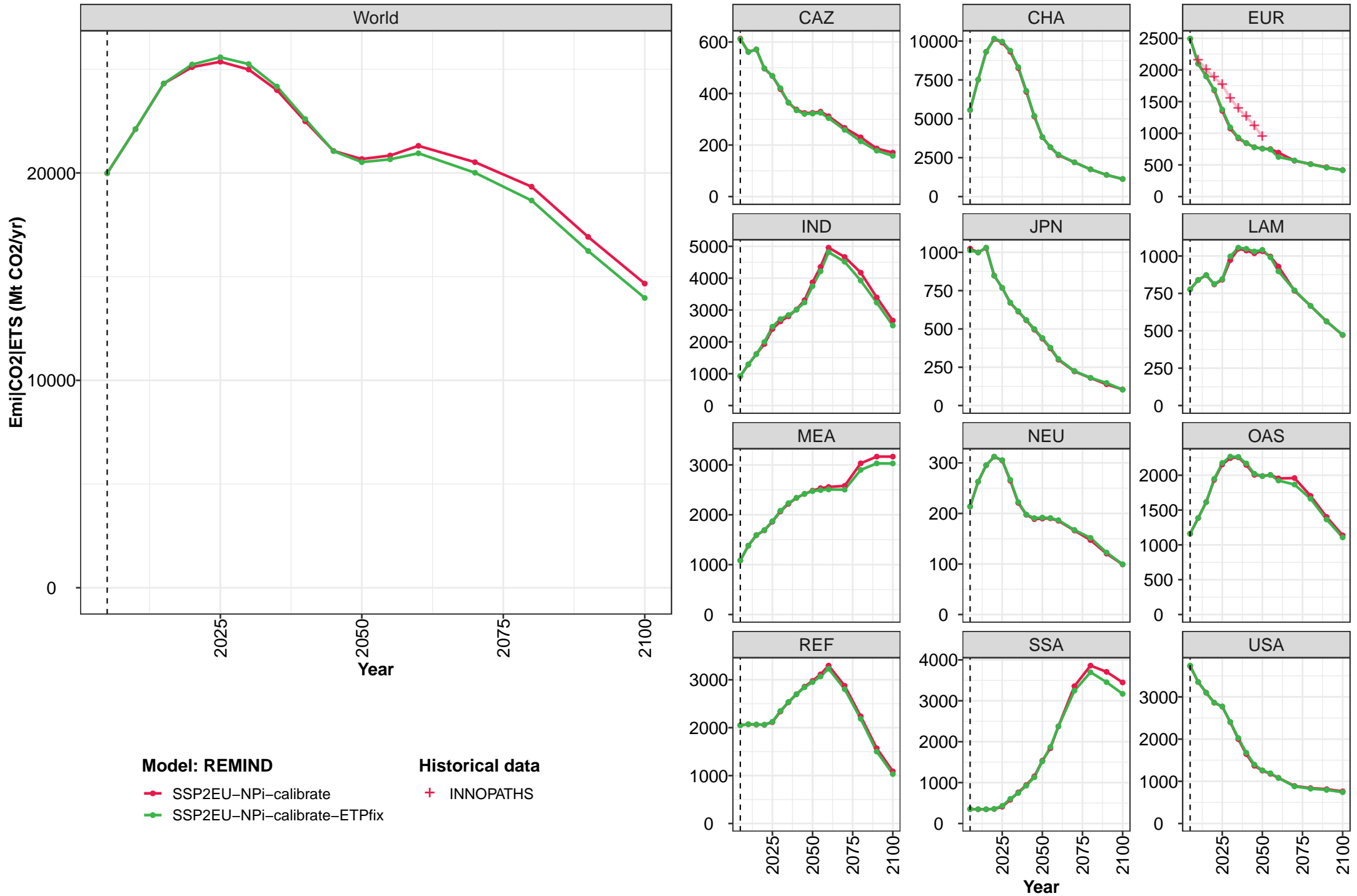


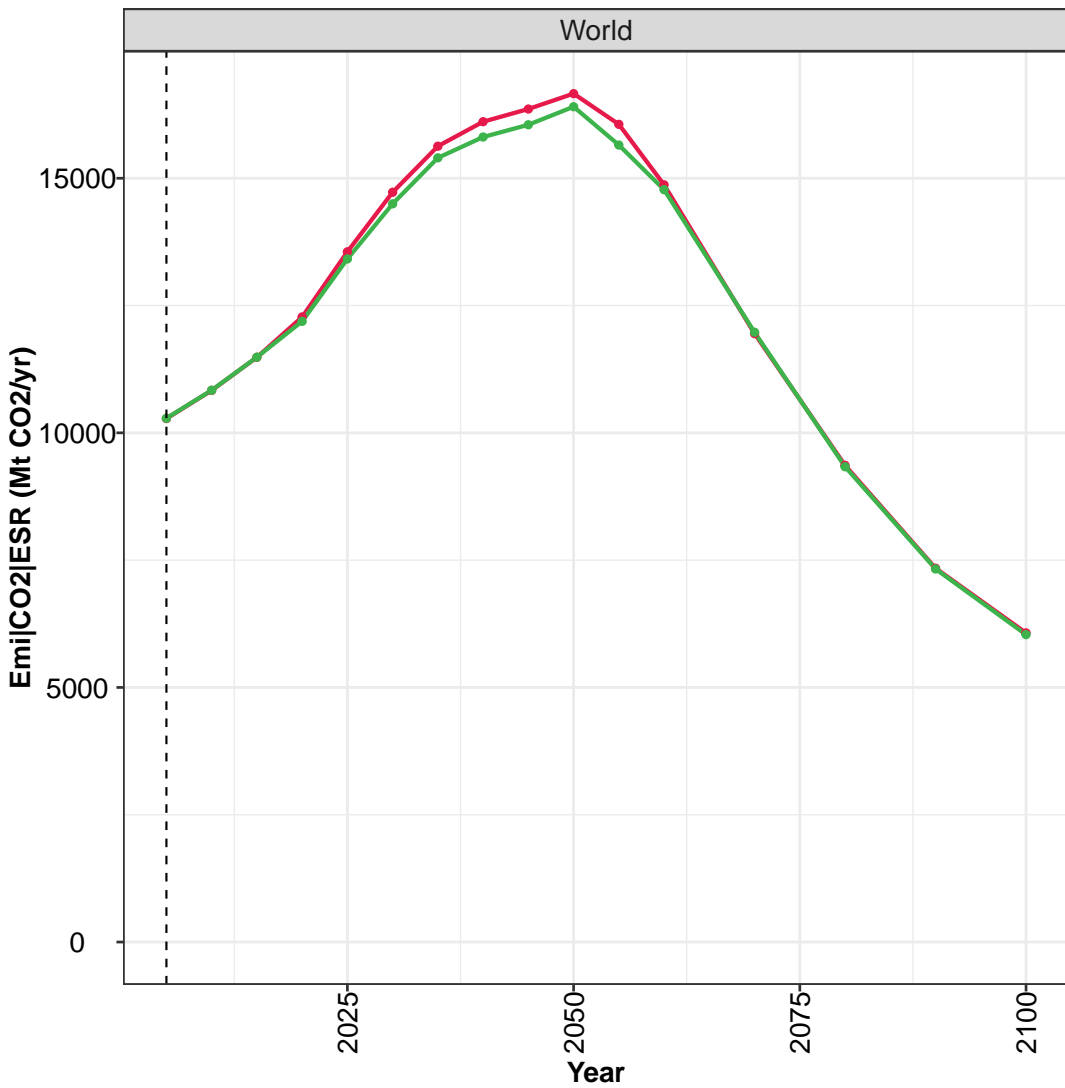
3.5.3 GHG Other Emissions - Outside ETS and ESR





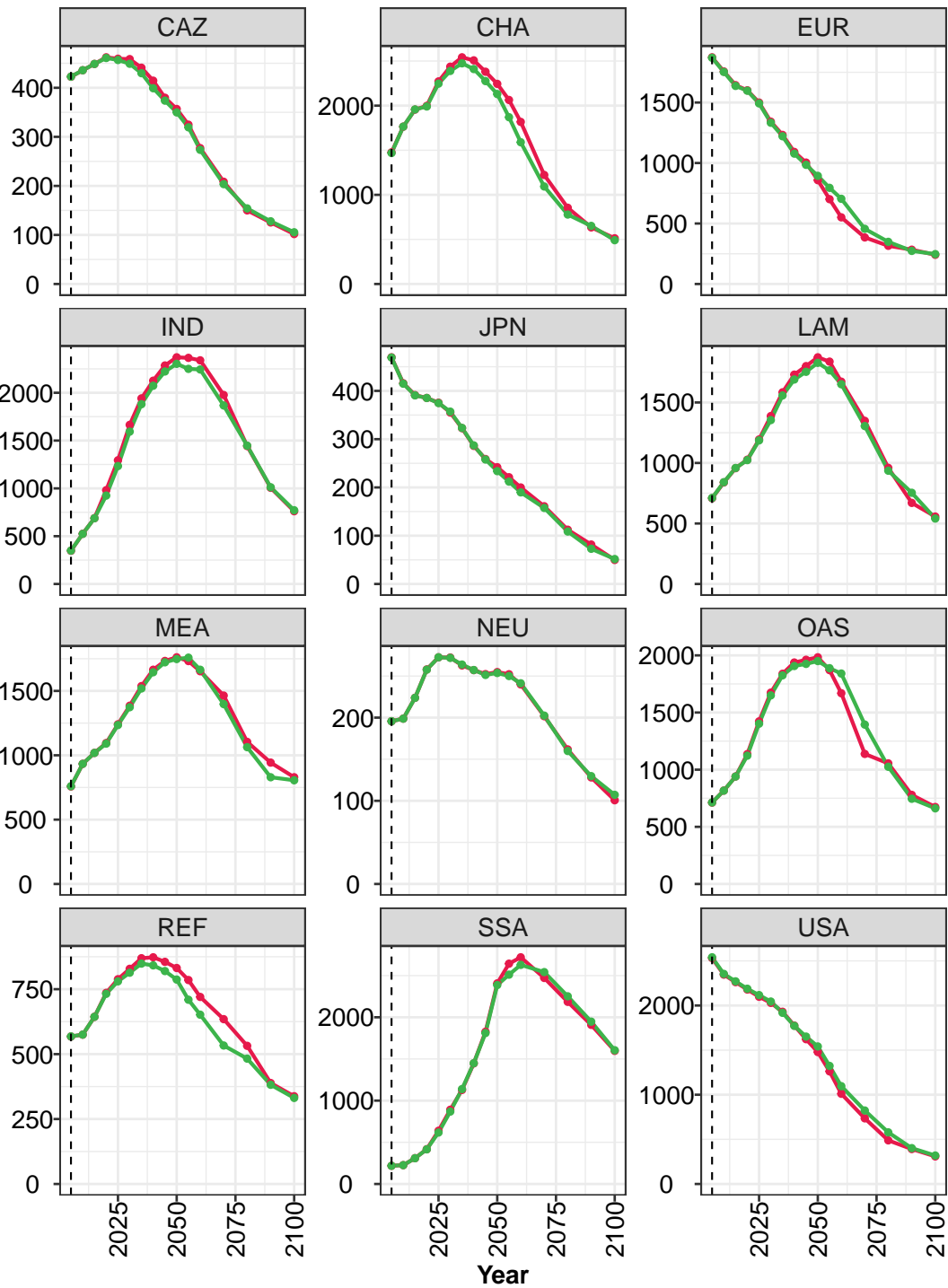
3.5.4 Market Emissions across GHGs

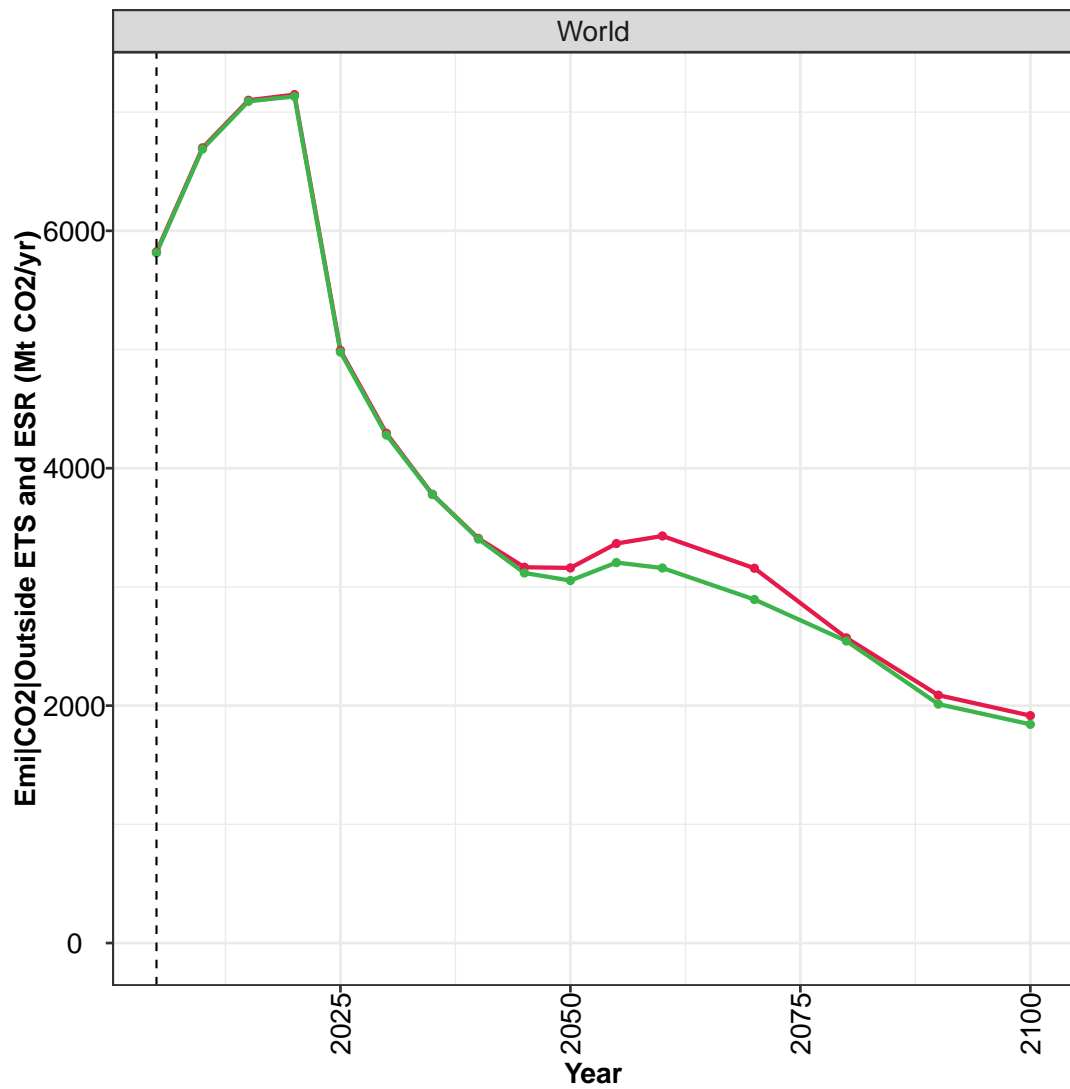




Model: REMIND

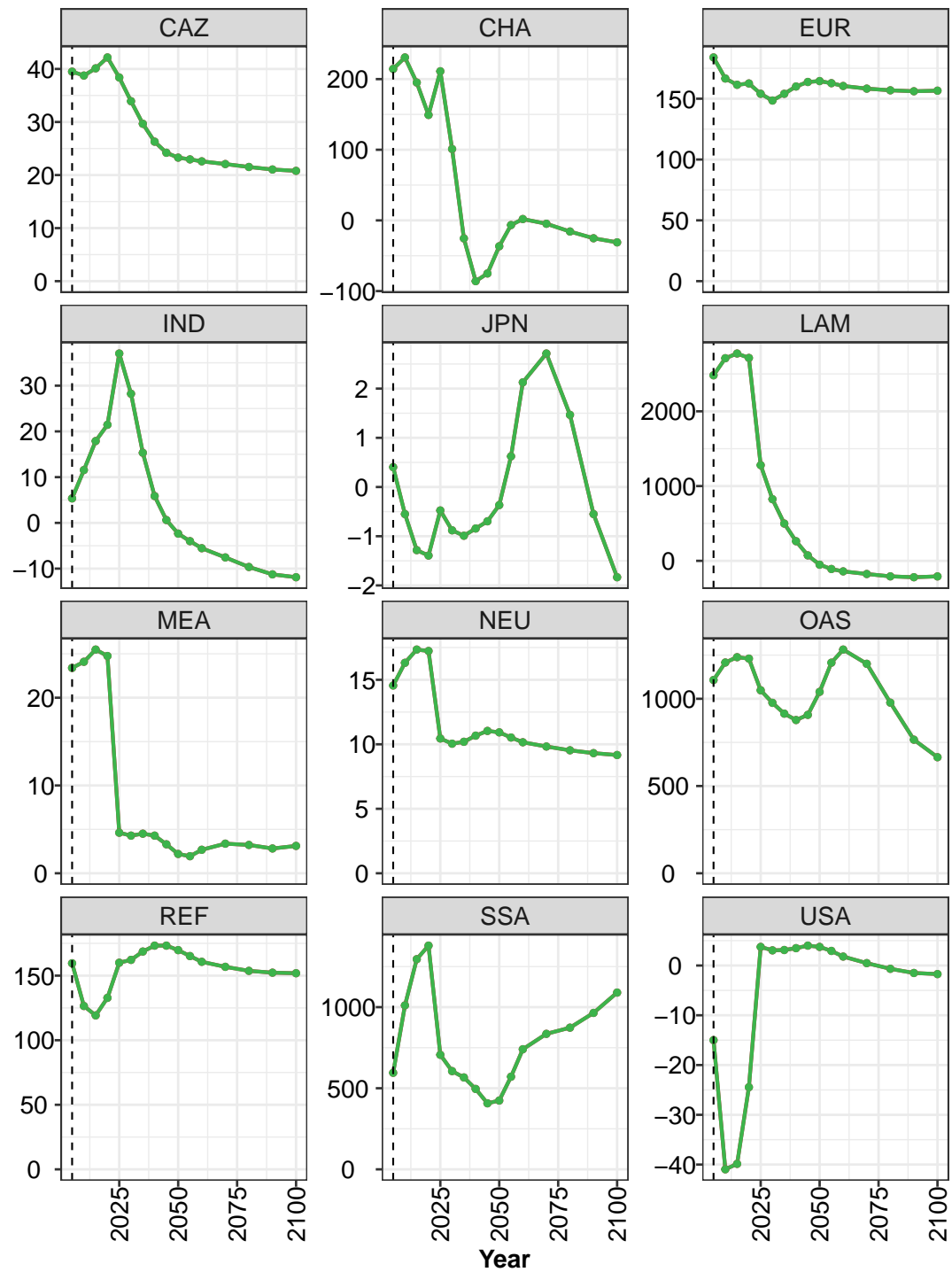
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



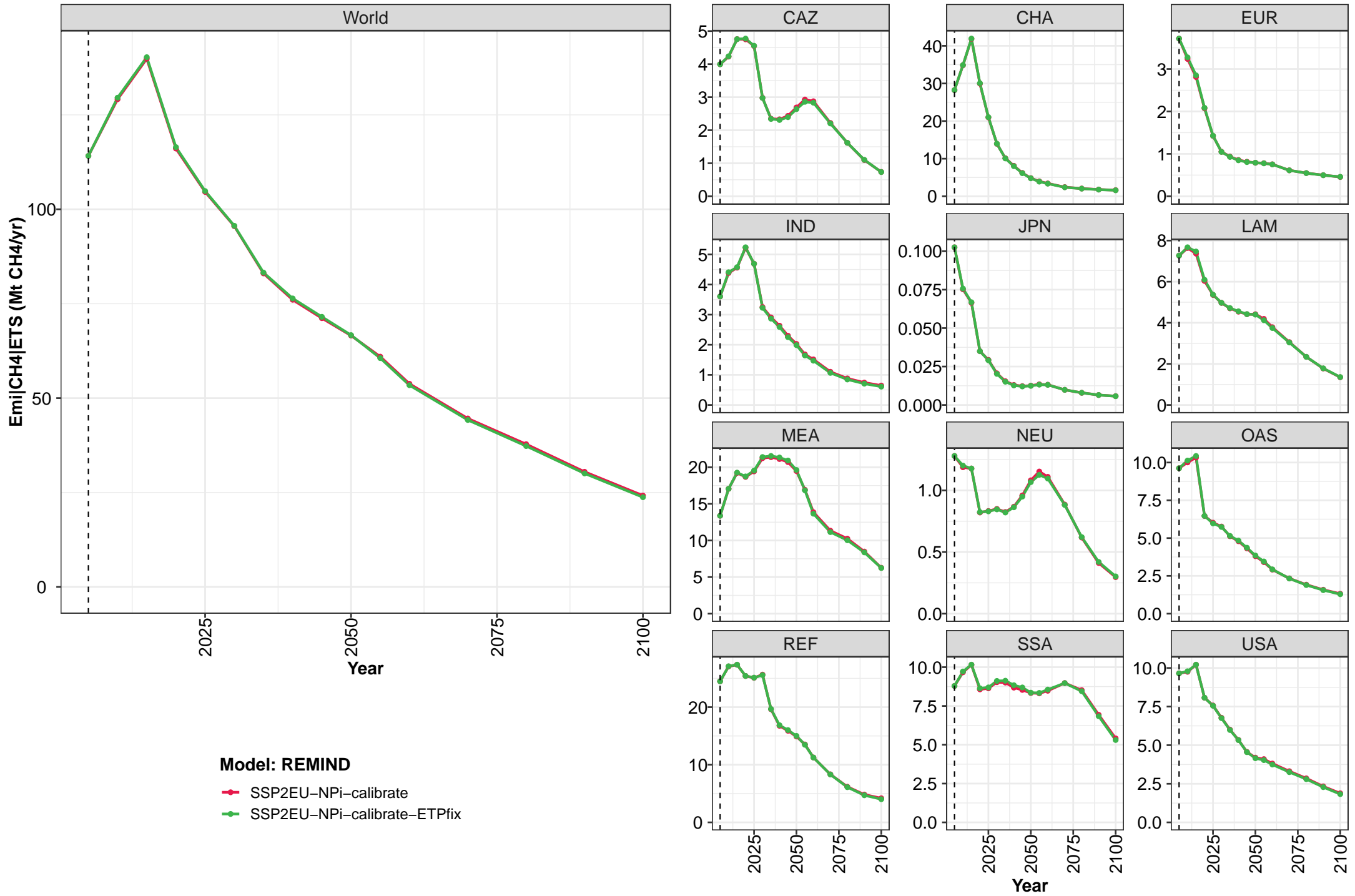


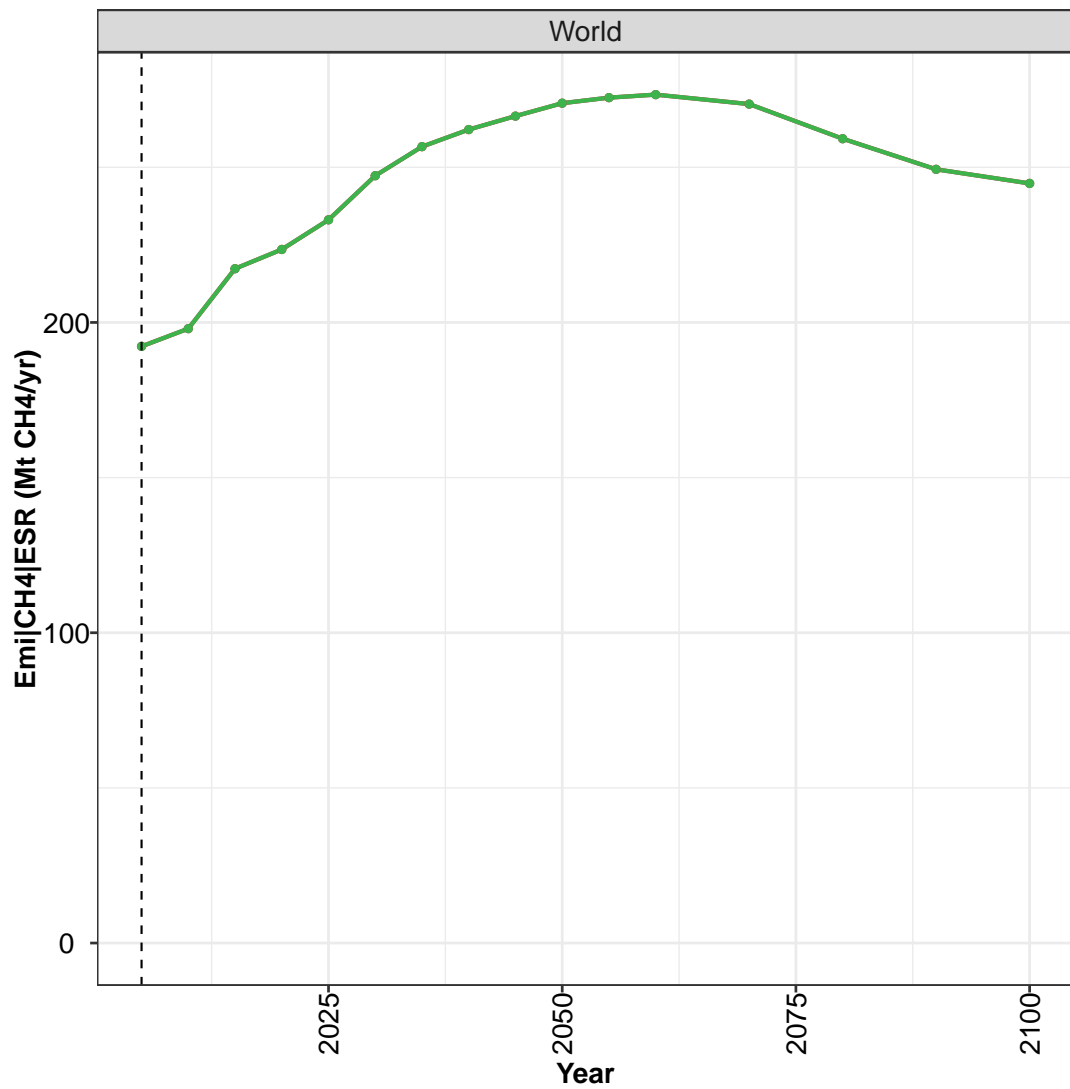
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



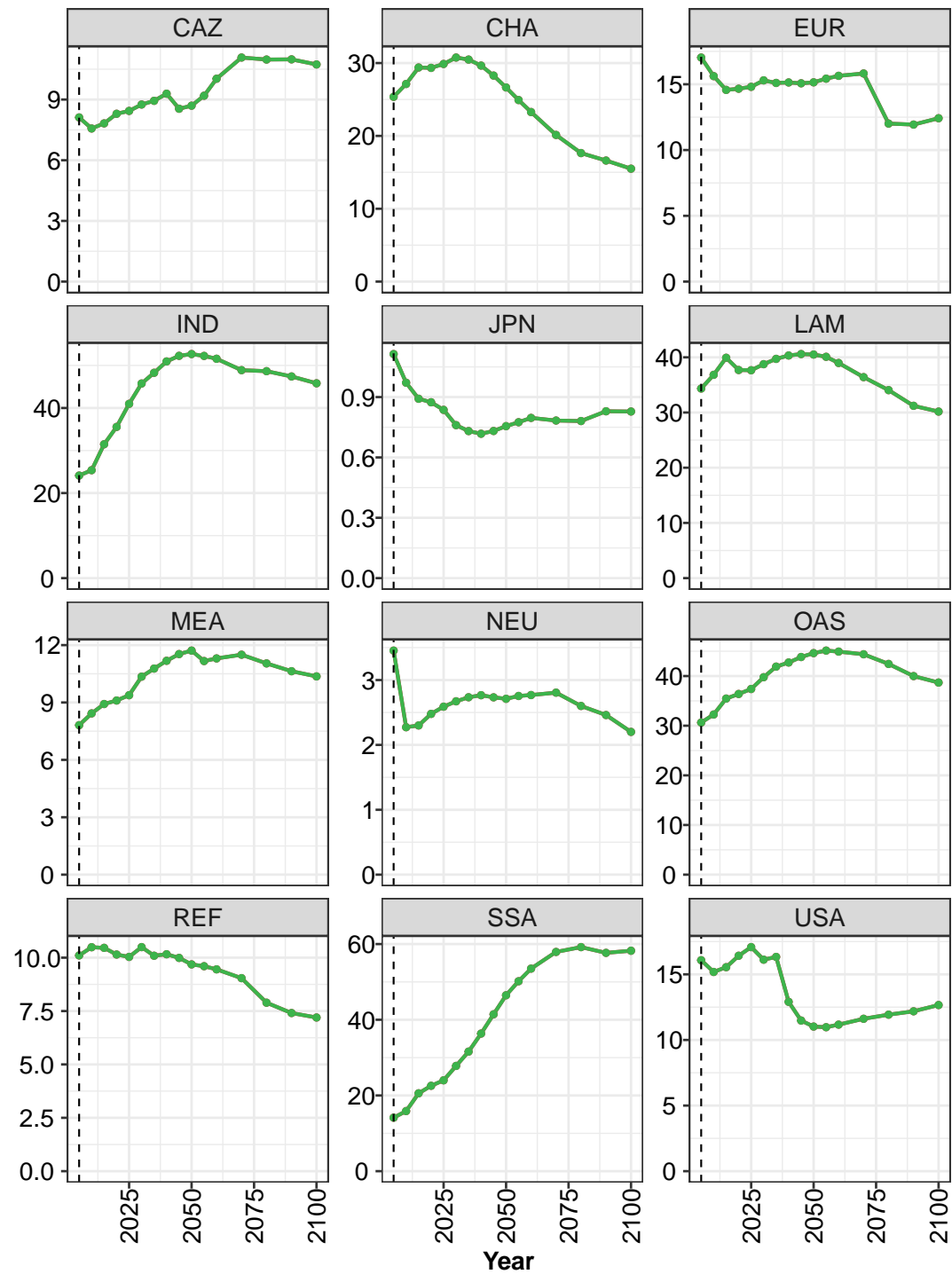
3.5.5 Market CH4

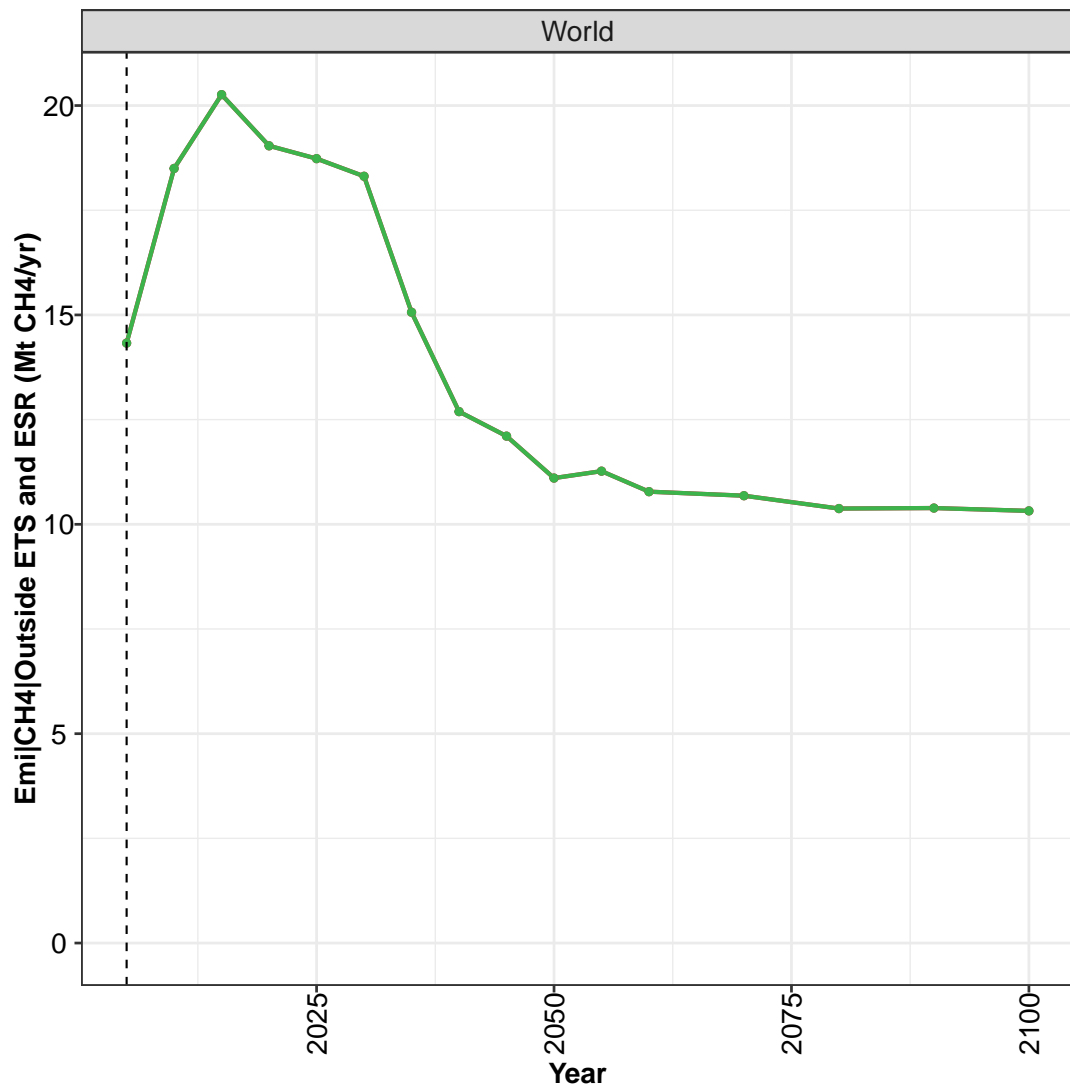




Model: REMIND

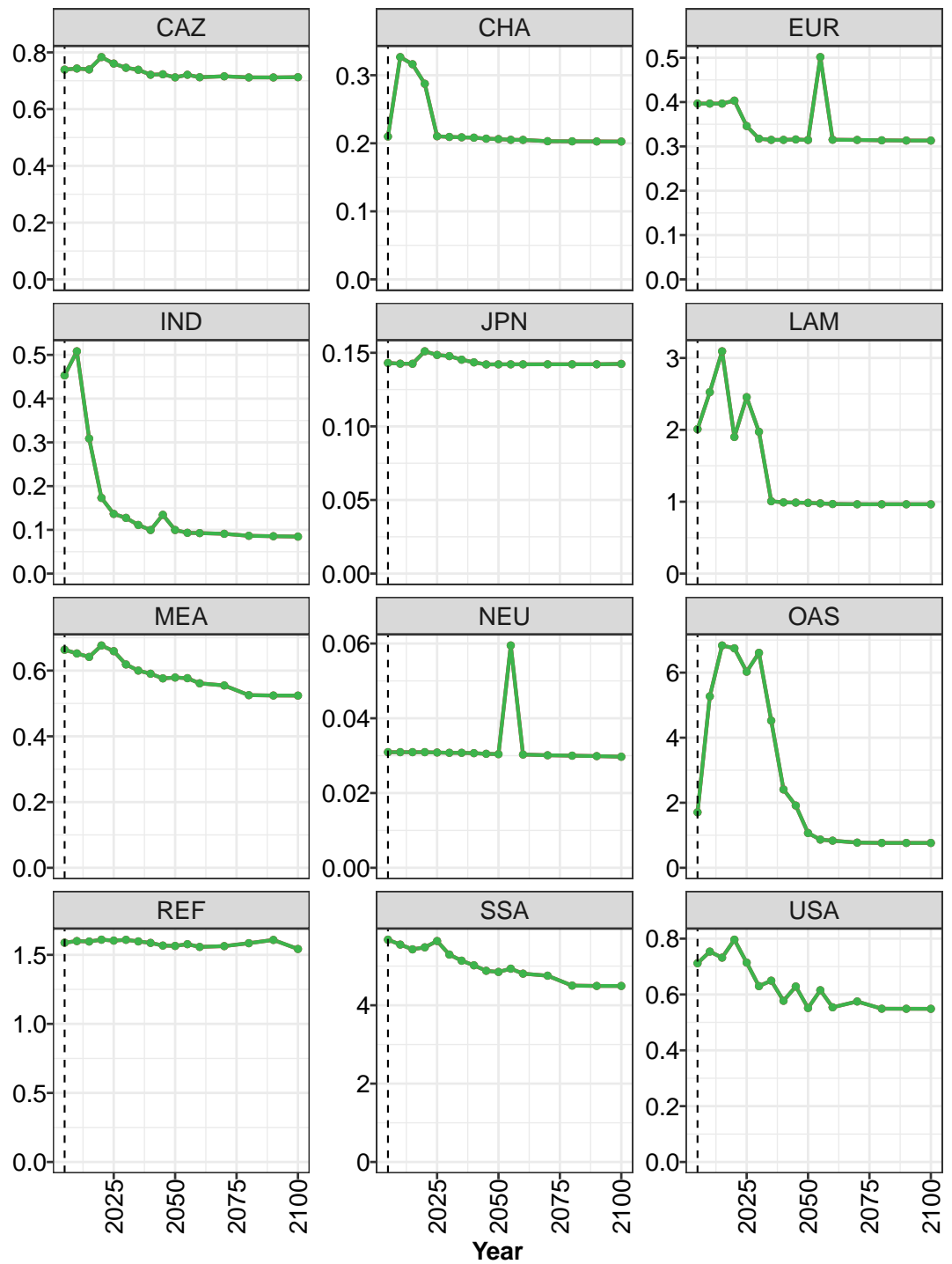
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



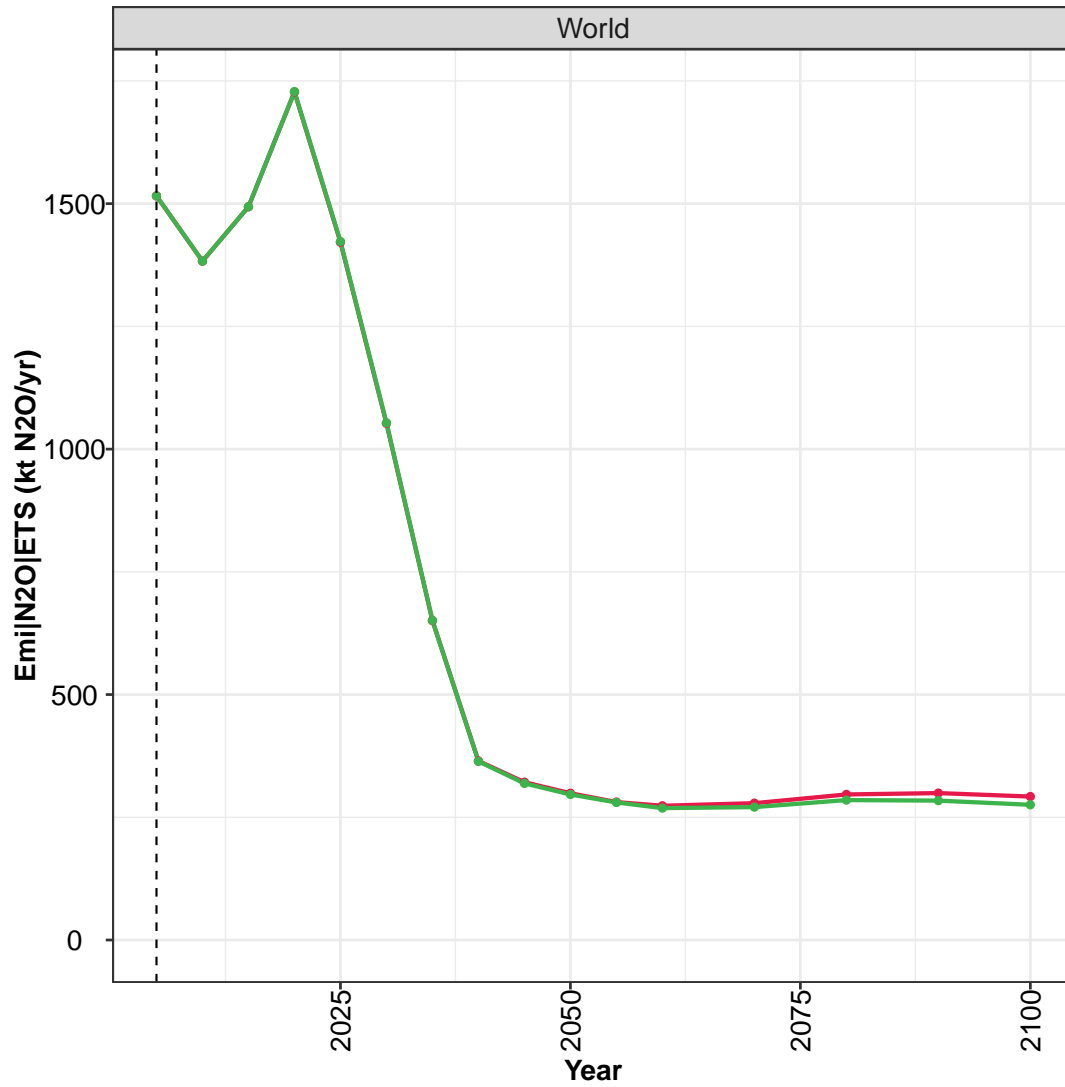


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

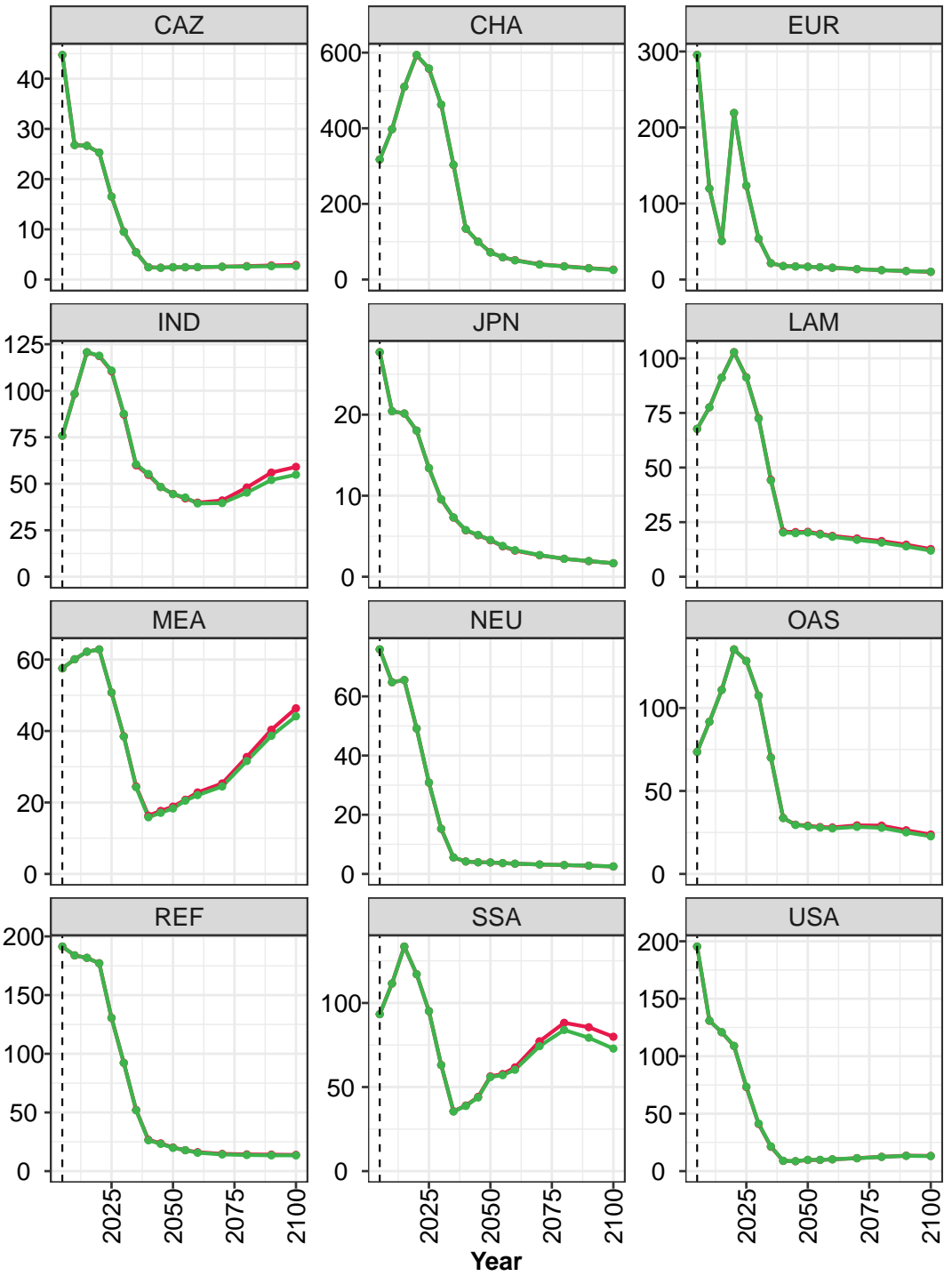


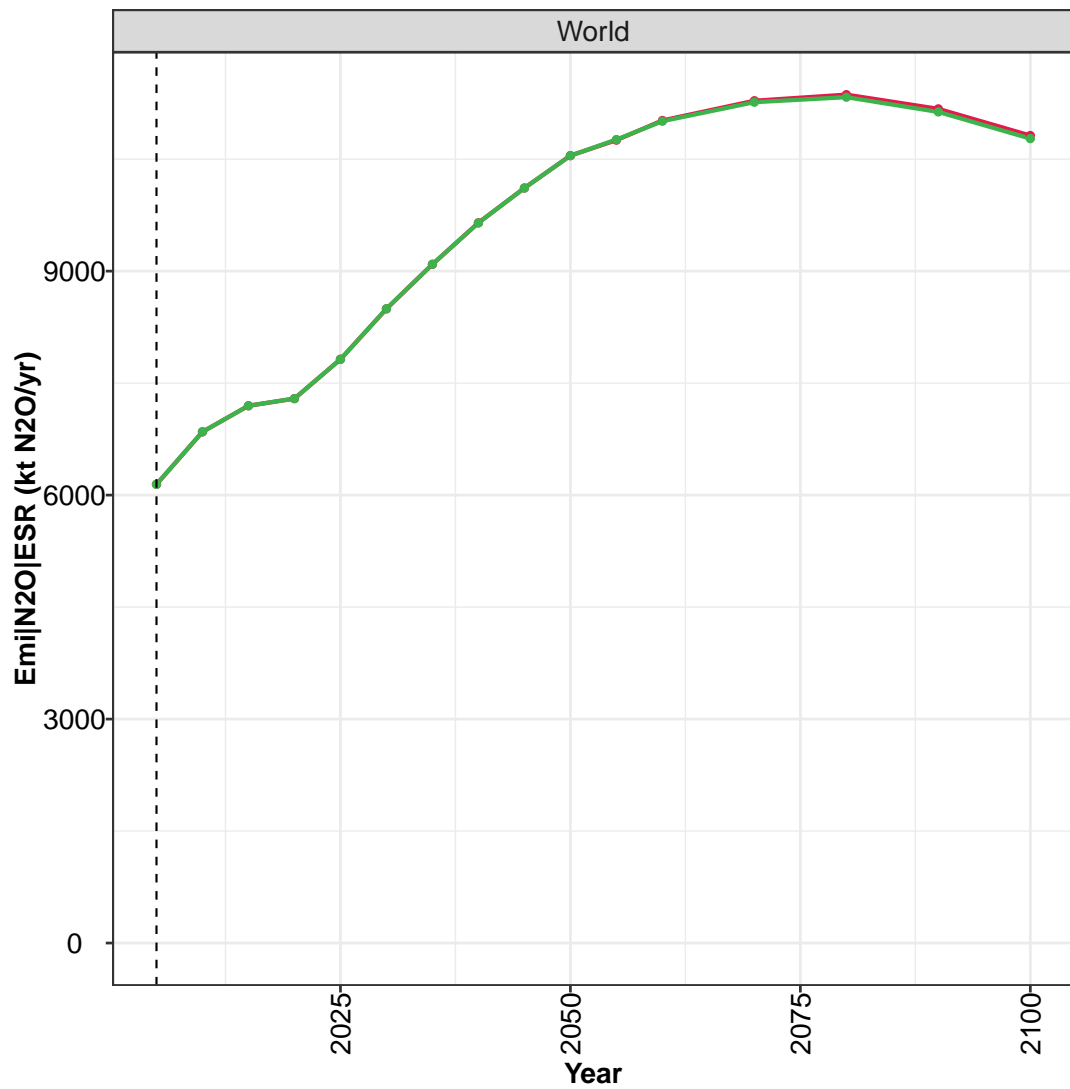
3.5.6 Market N2O



Model: REMIND

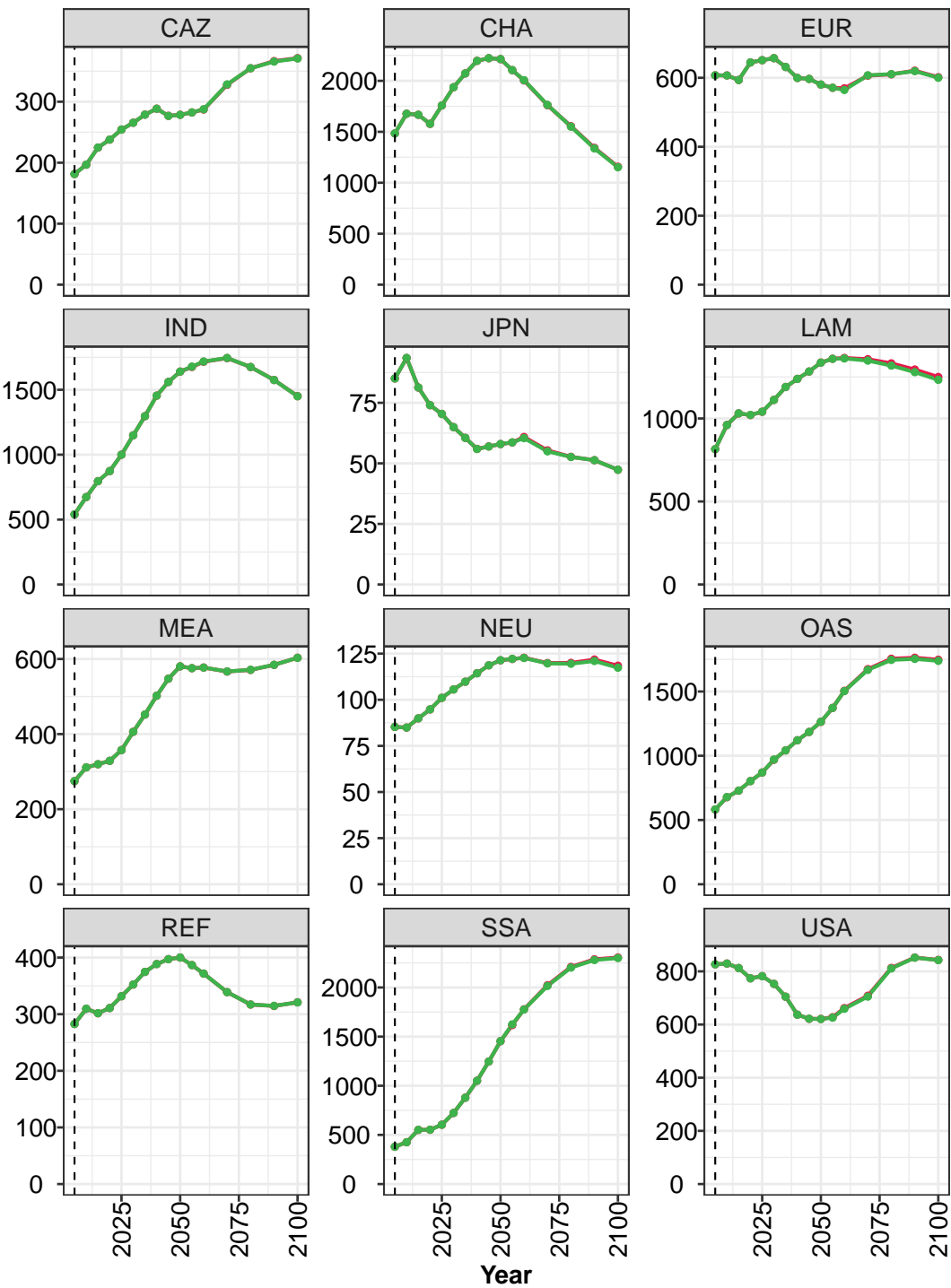
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

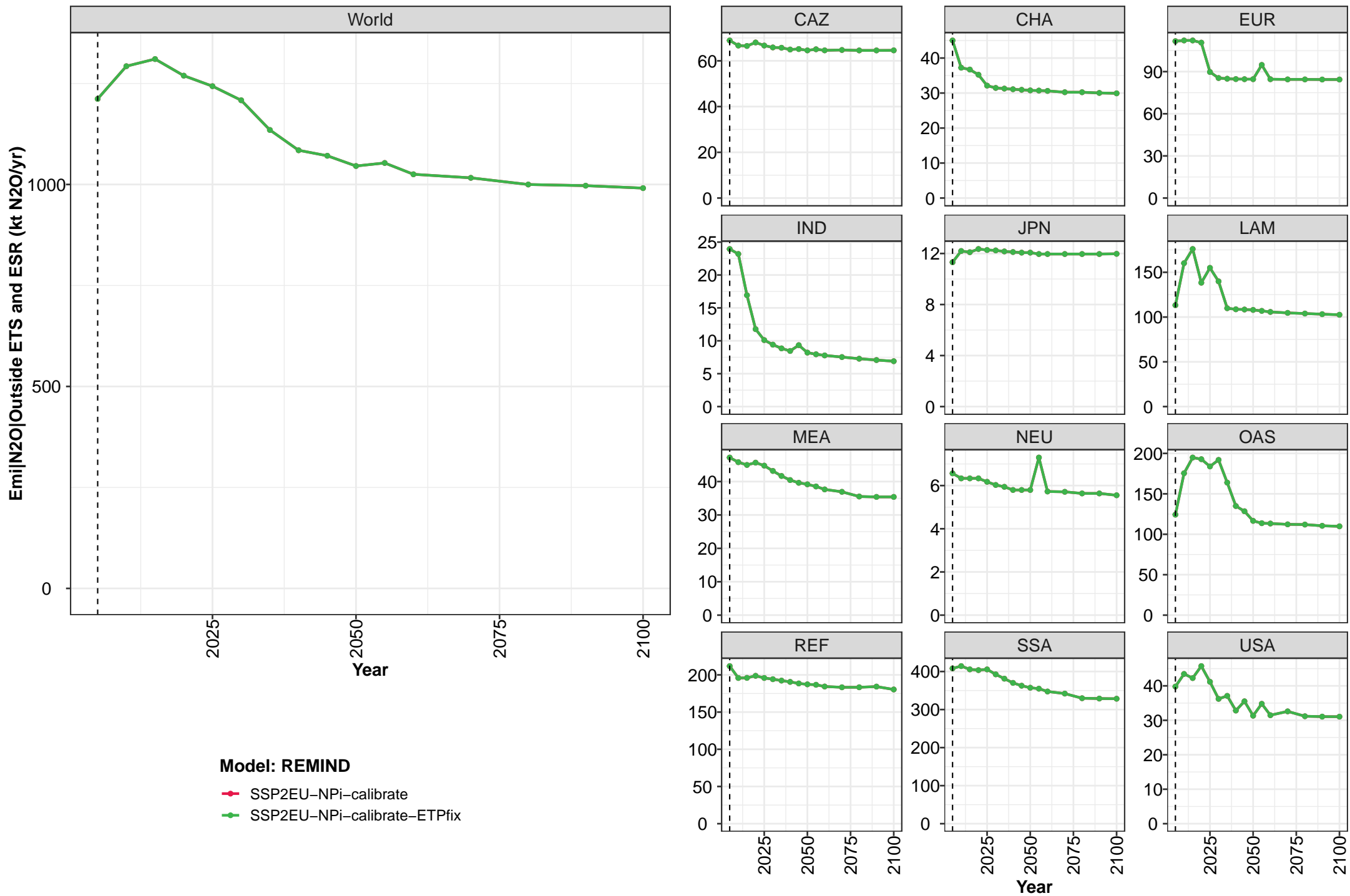




Model: REMIND

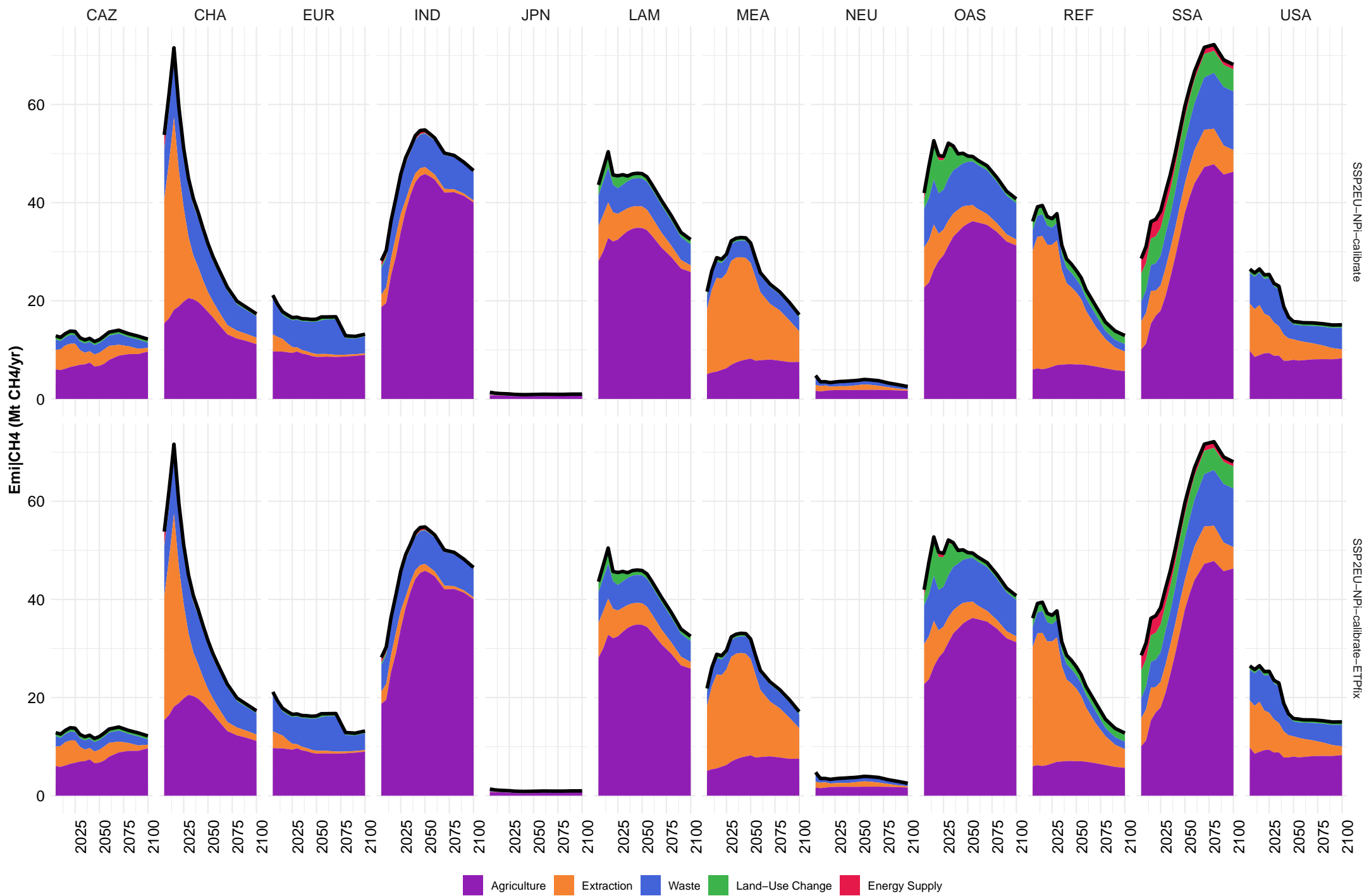
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



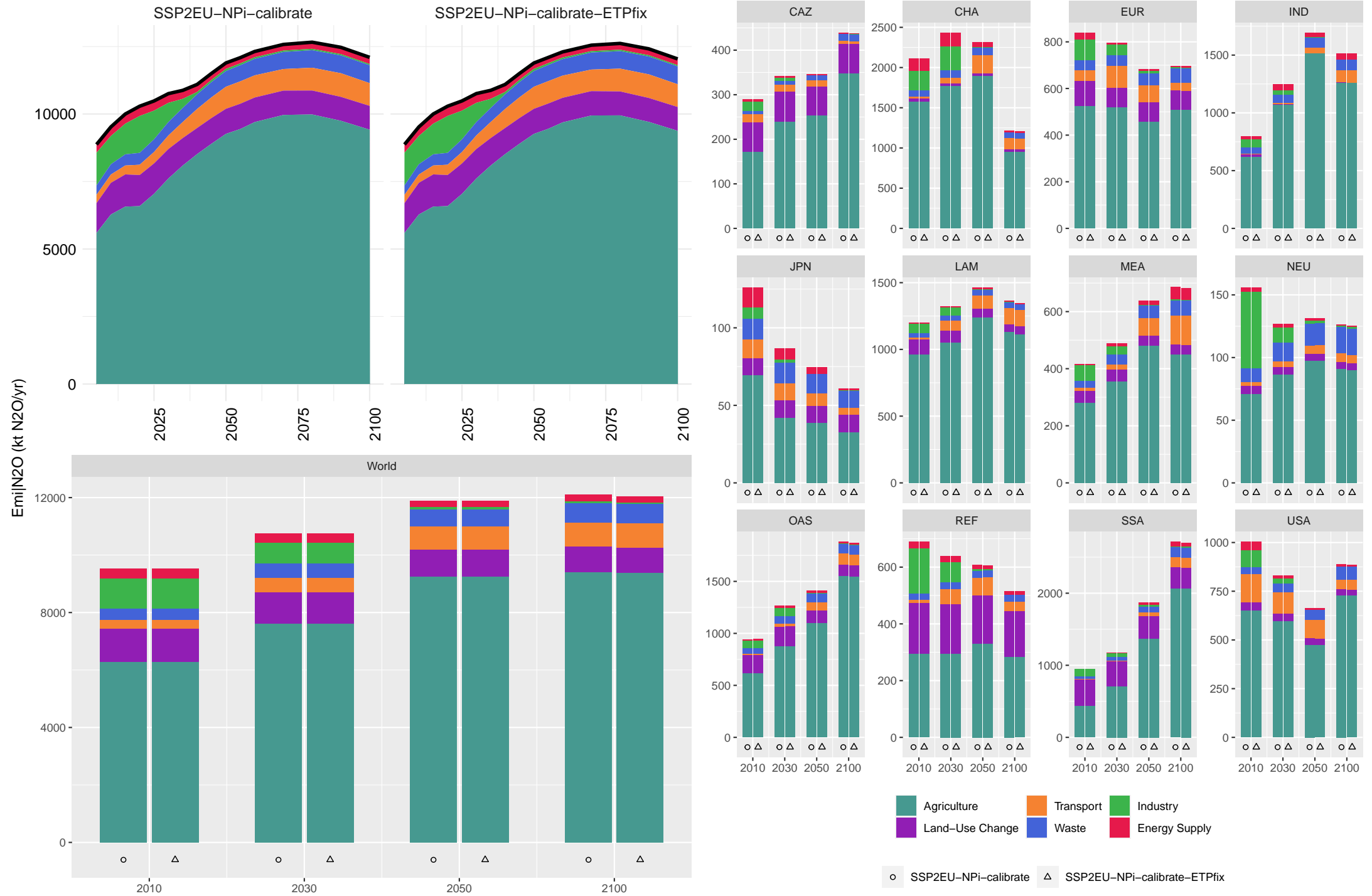


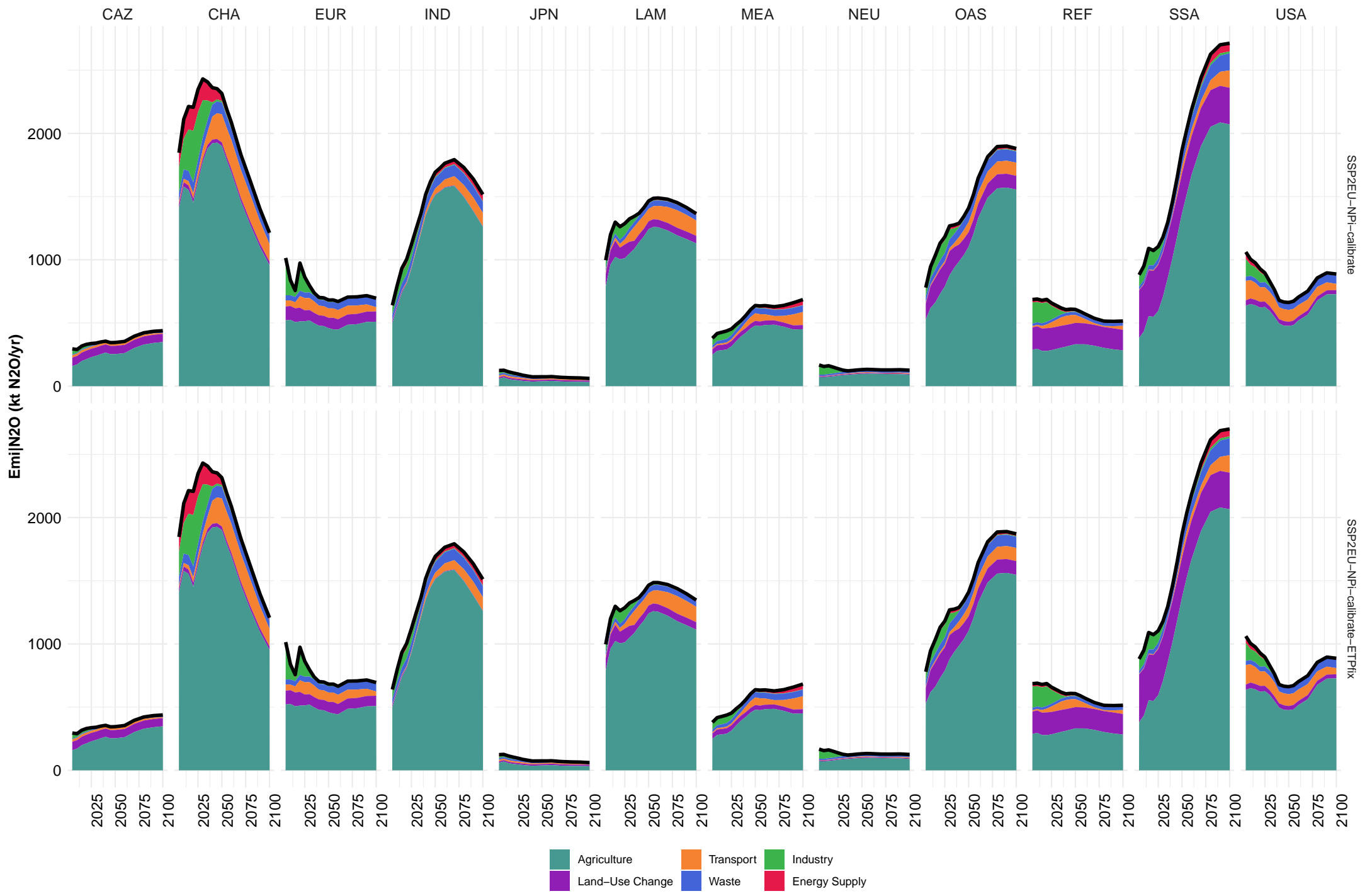
3.6 CH4



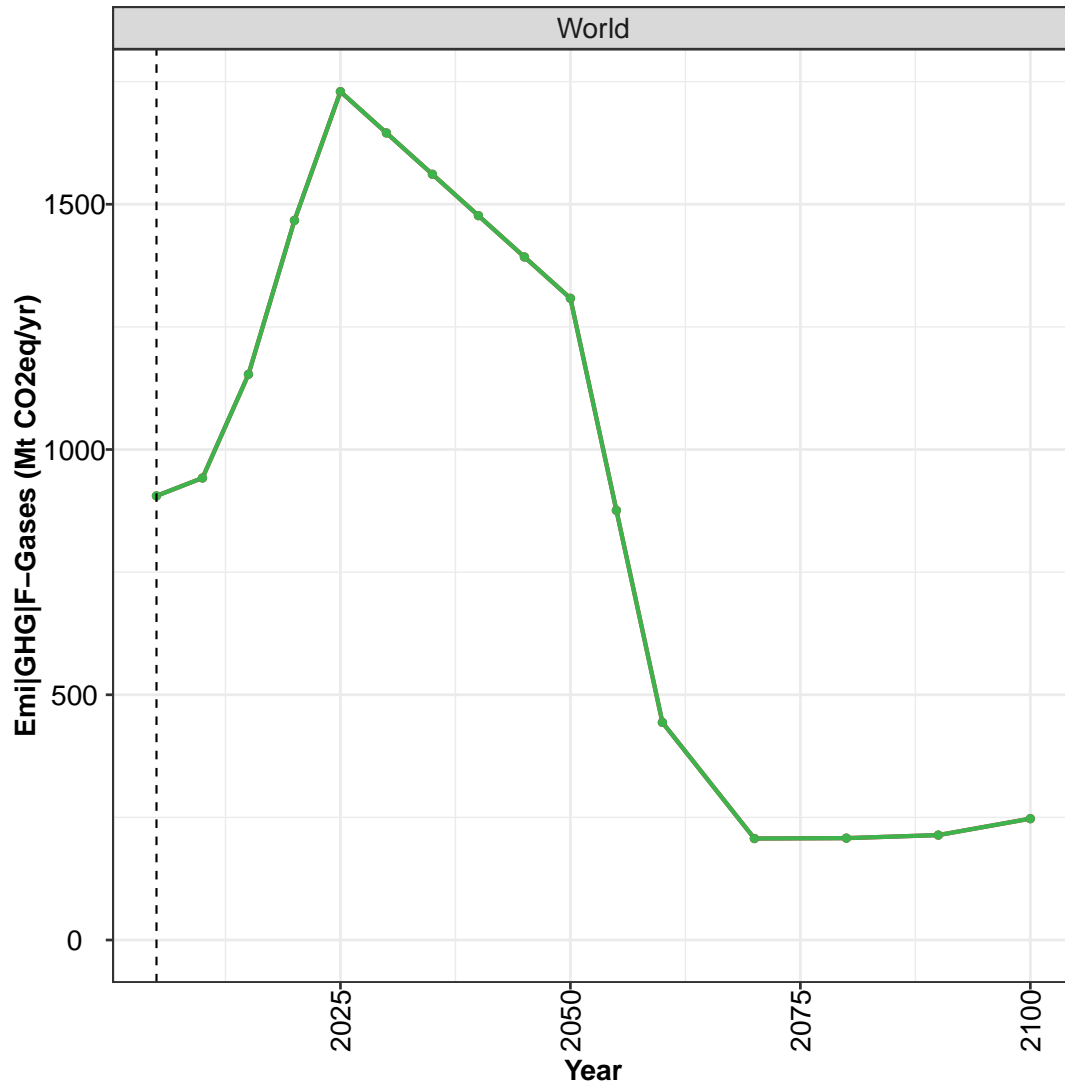


3.7 N2O



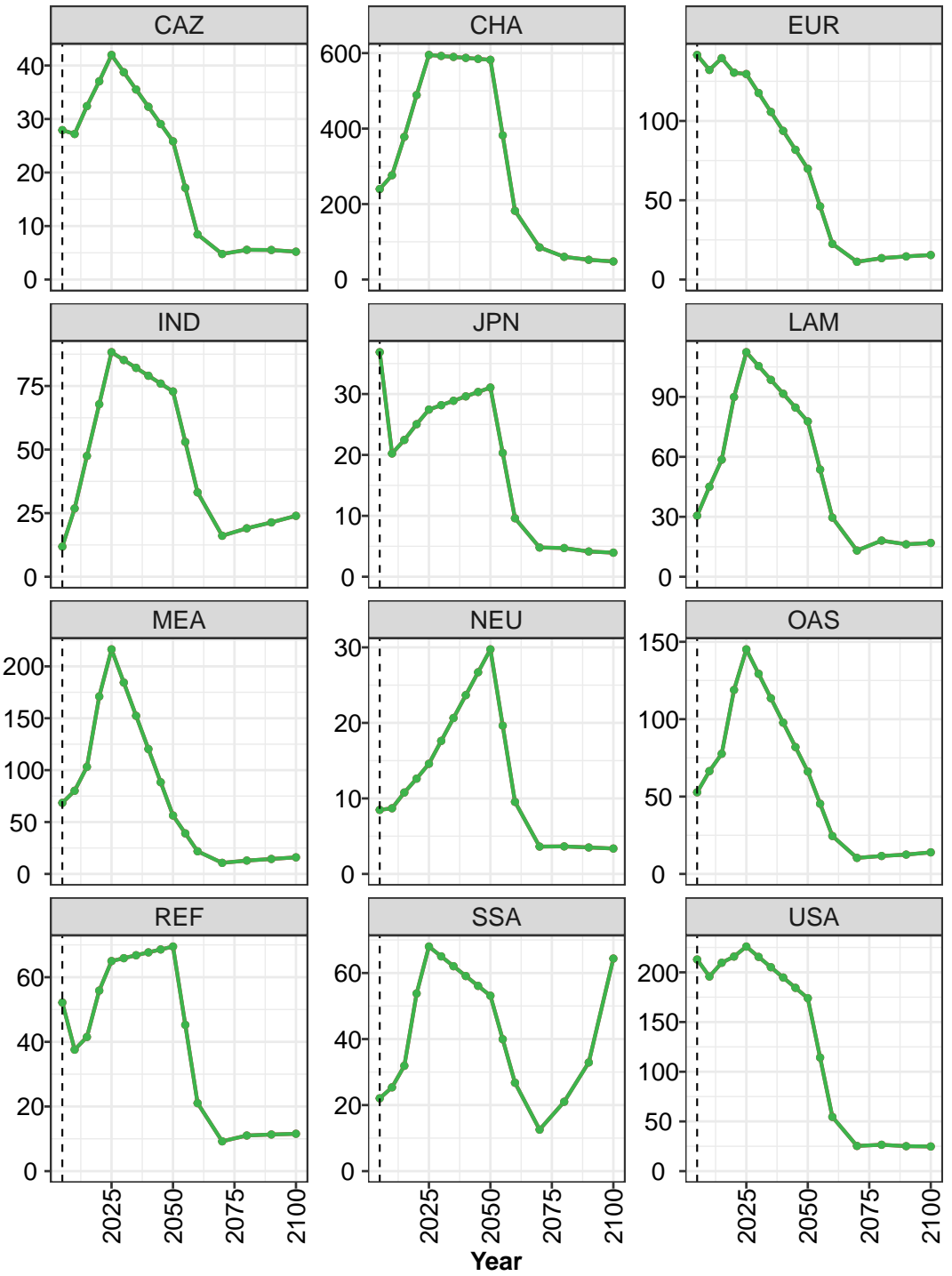


3.7.1 F-Gases

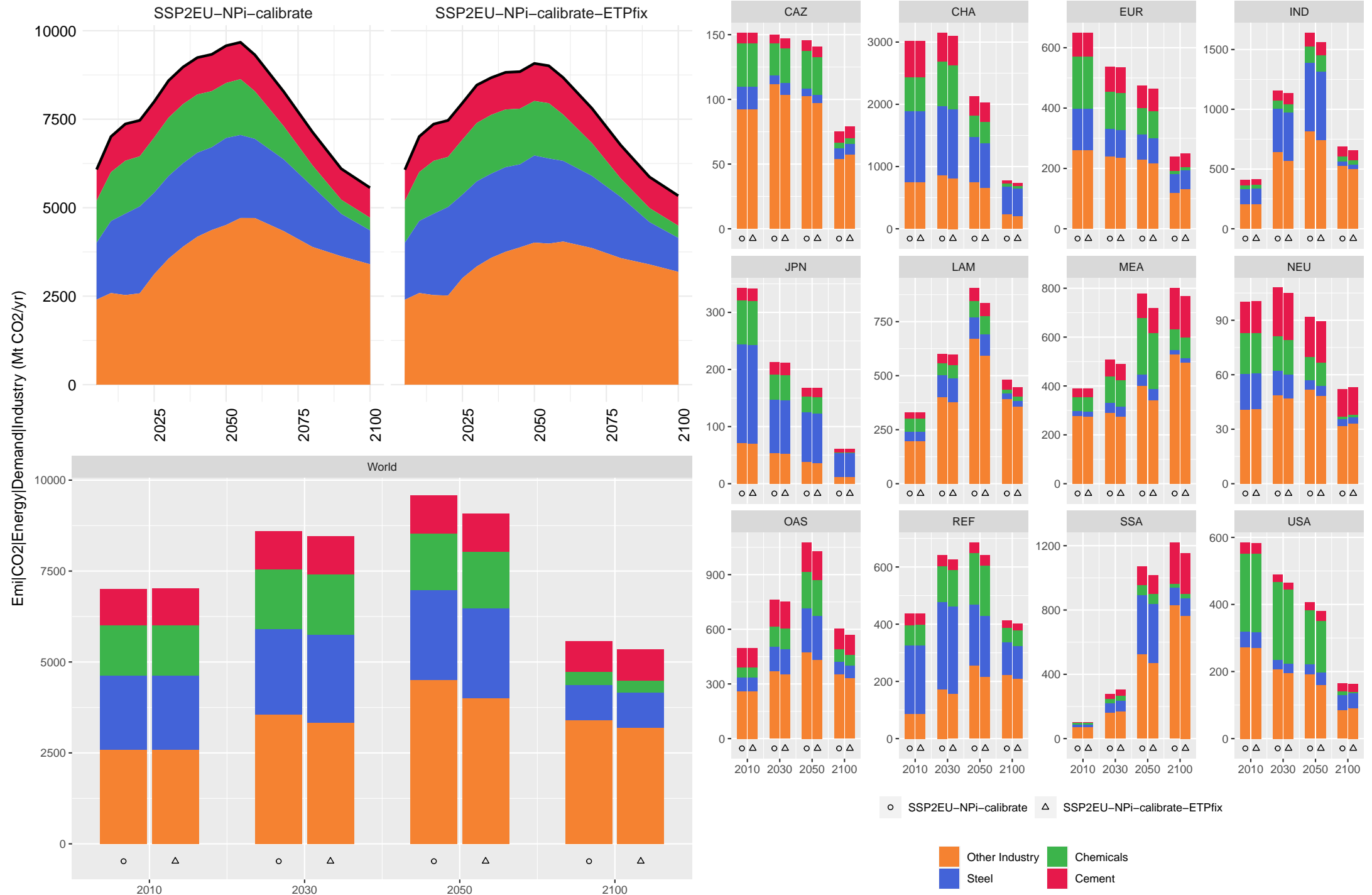


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



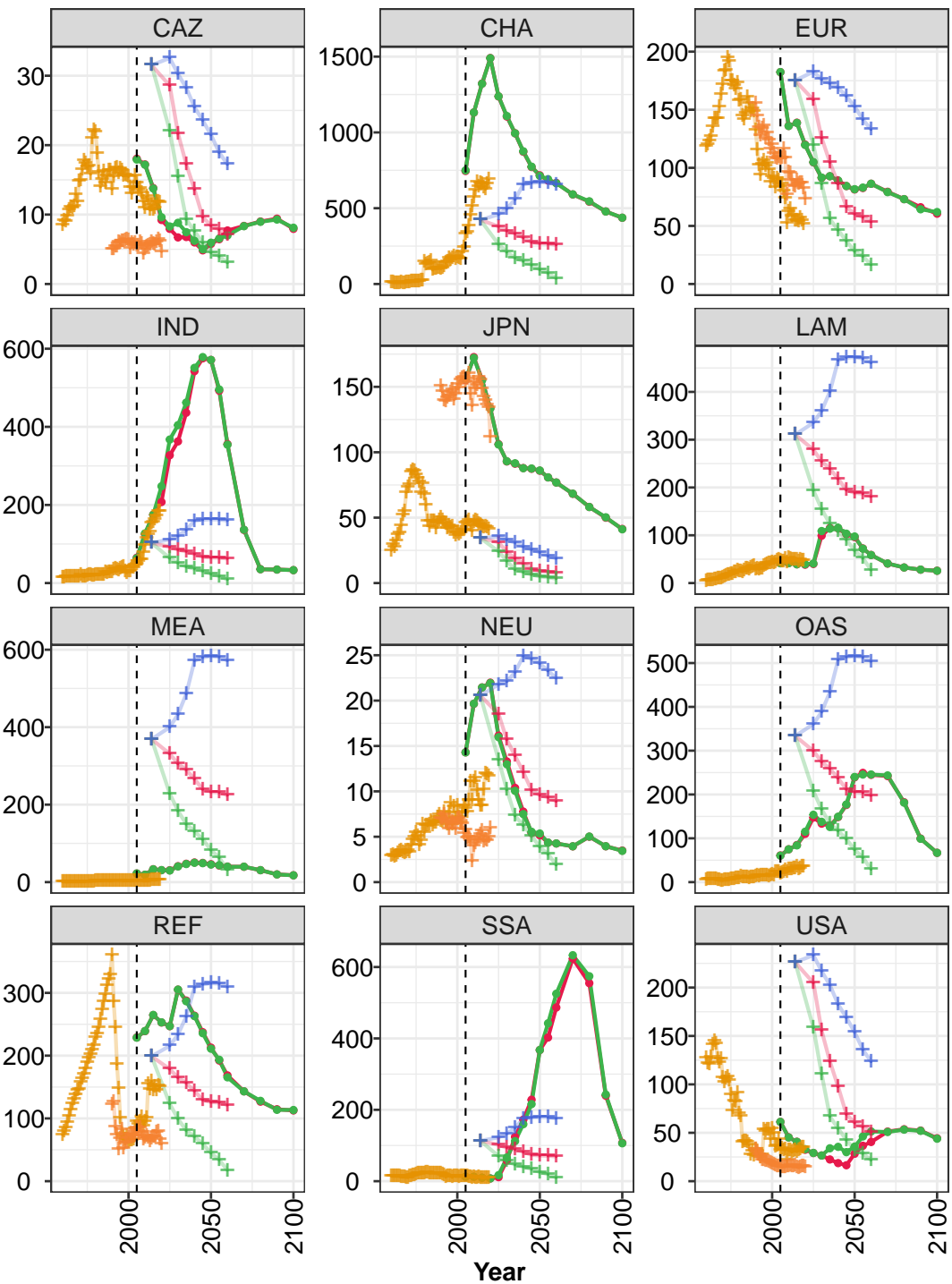
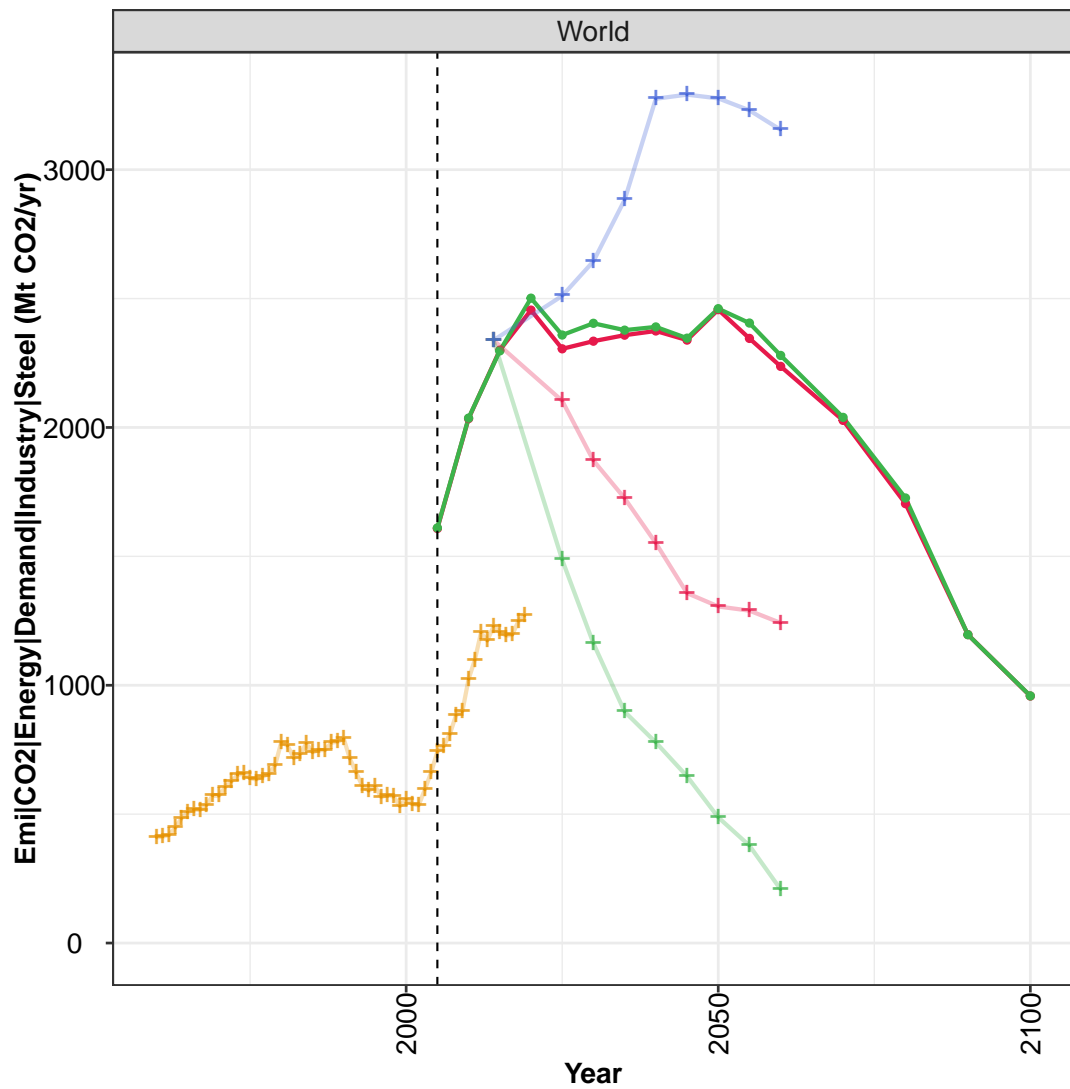
3.8 Industry Subsector Emissions

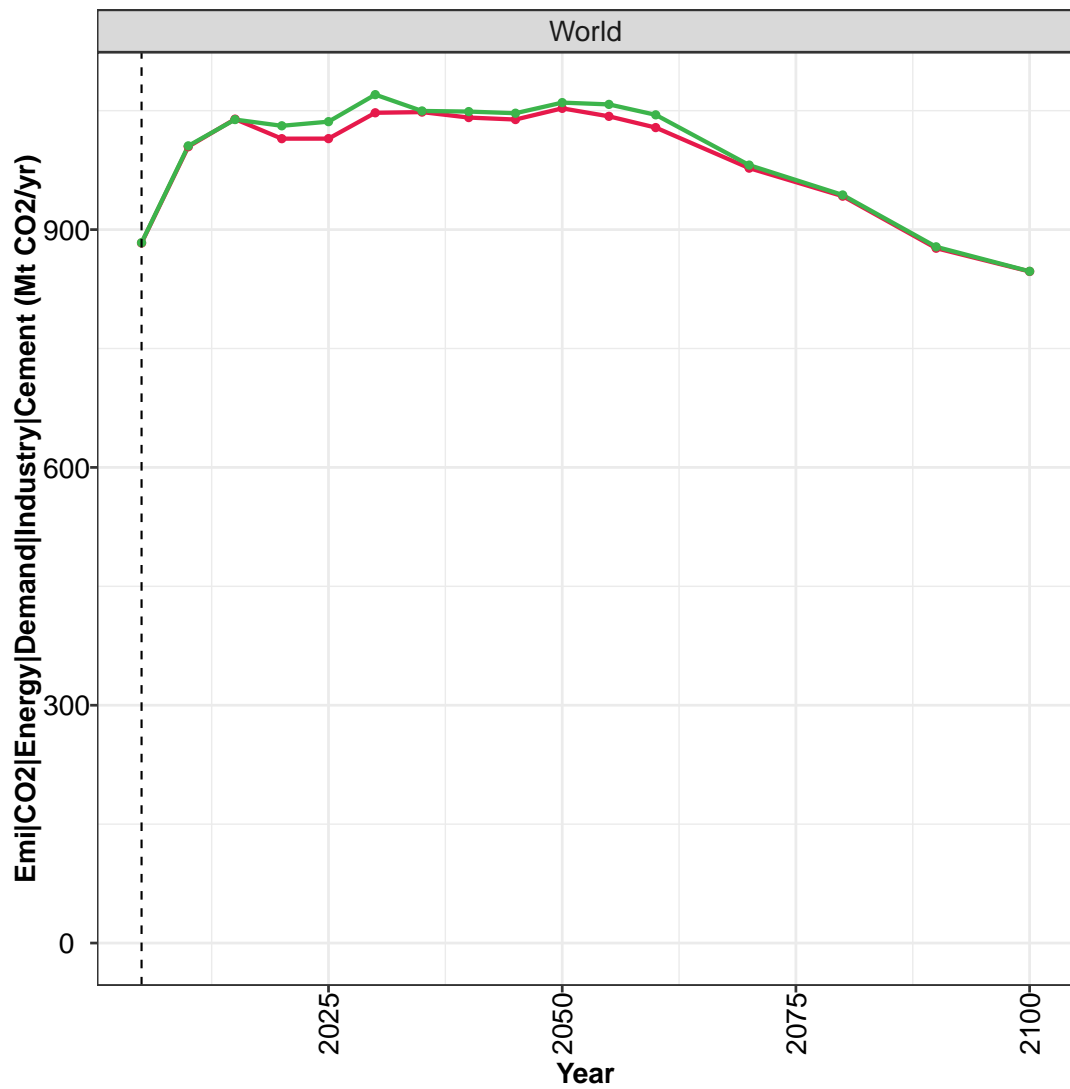




SSP2EU-NPI-calibrate

SSP2EU-NPI-calibrate-ETFix



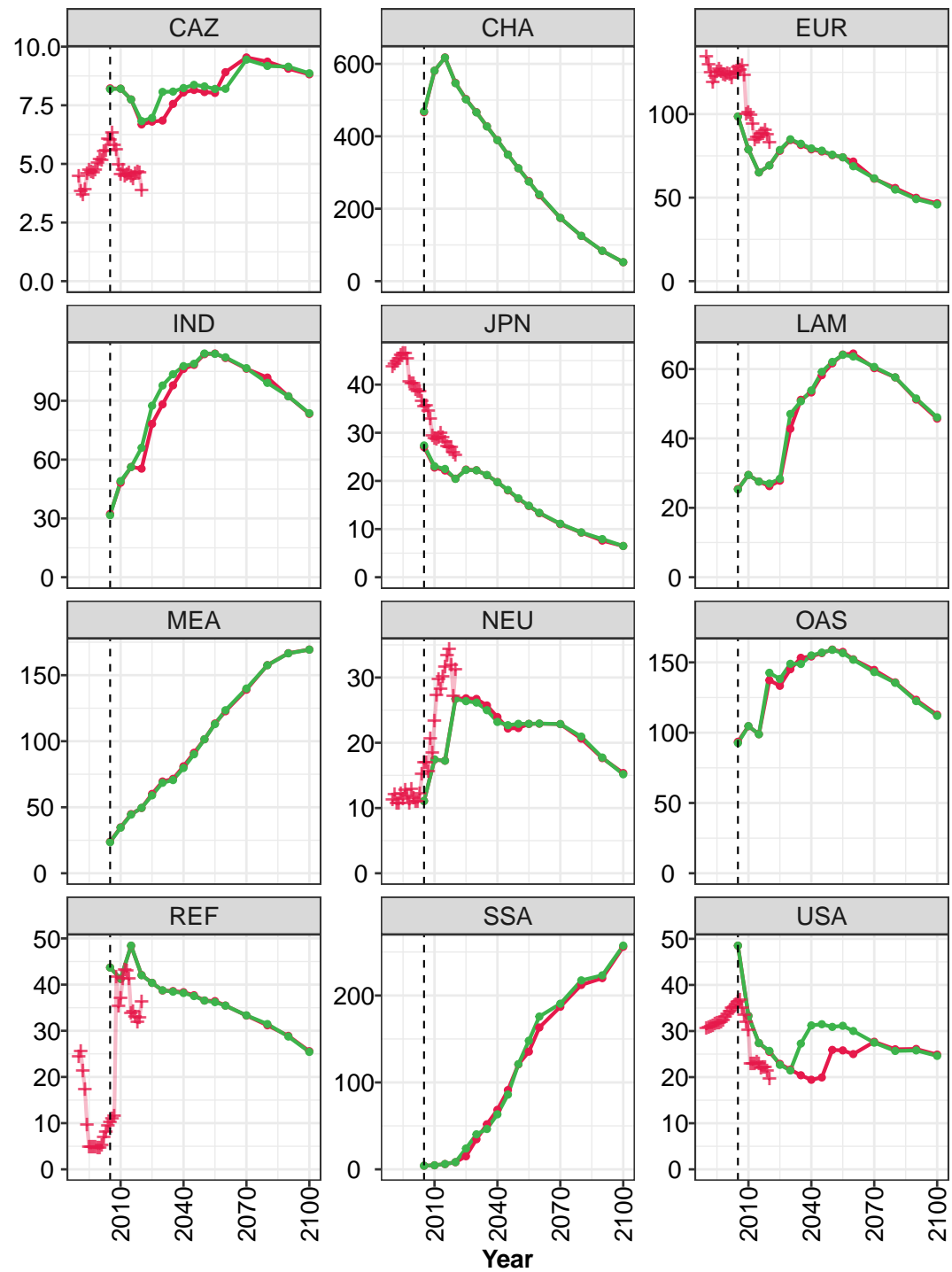


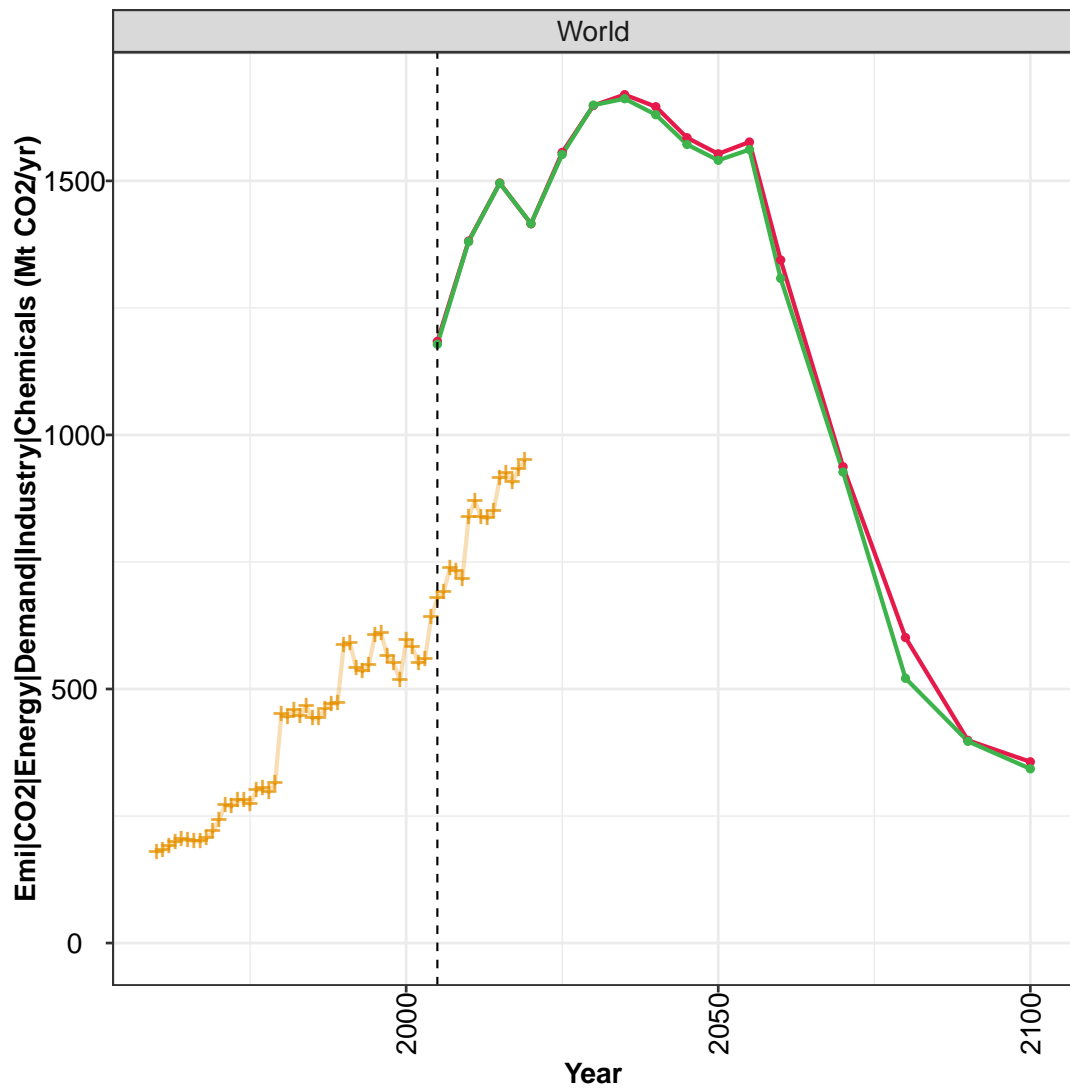
Model: REMIND

- +— SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + UNFCCC



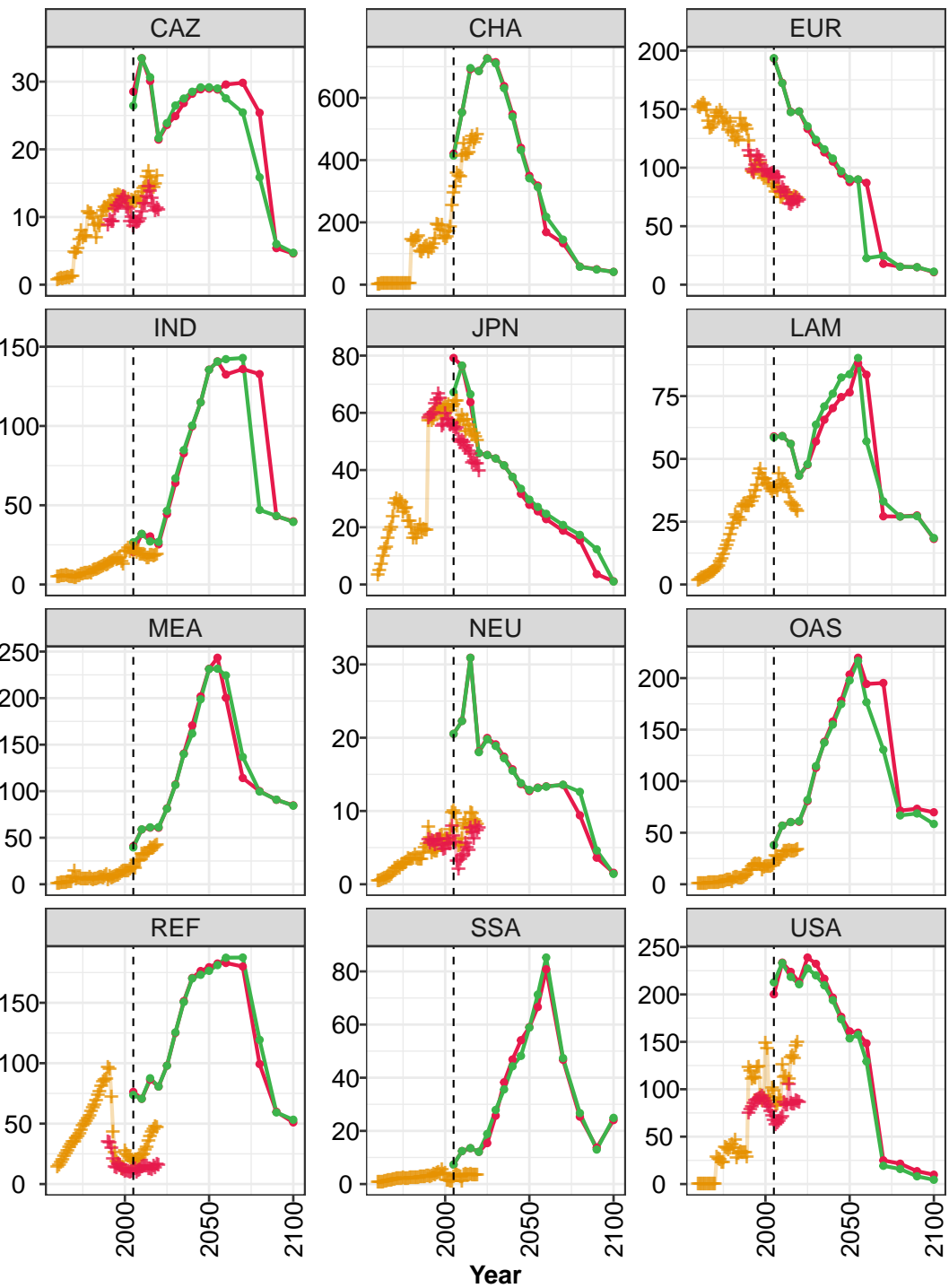


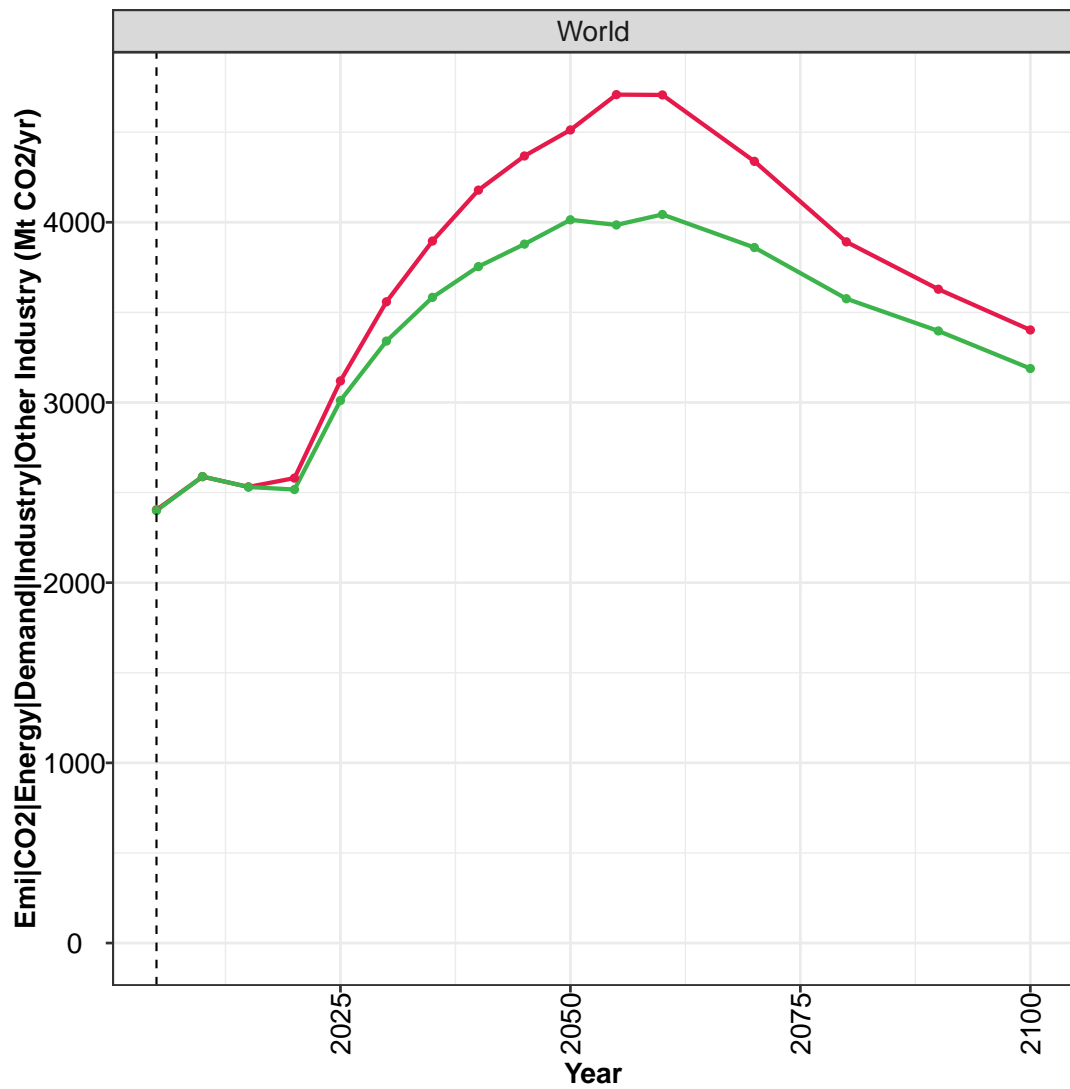
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + CEDS
- + UNFCCC



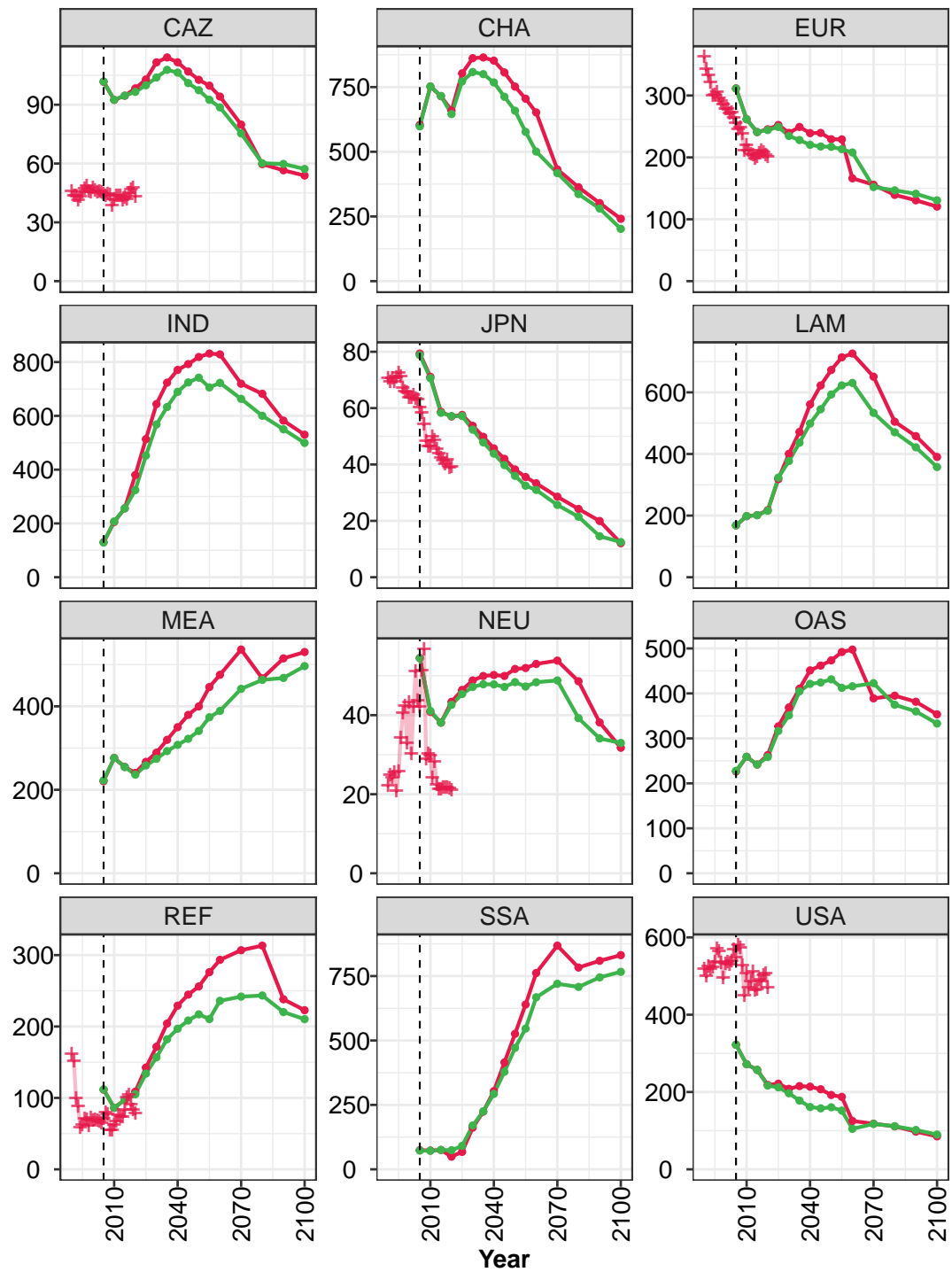


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

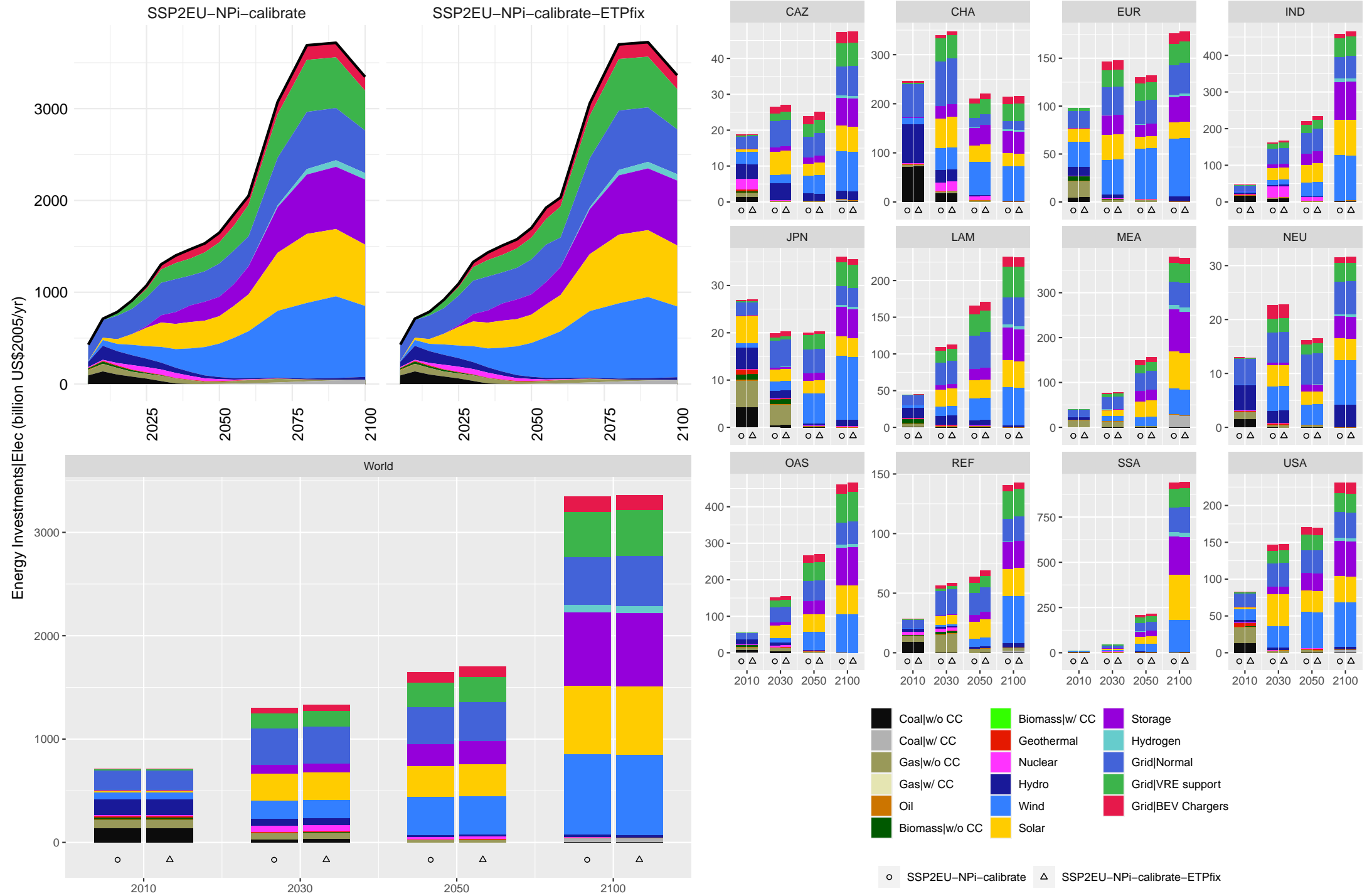
Historical data

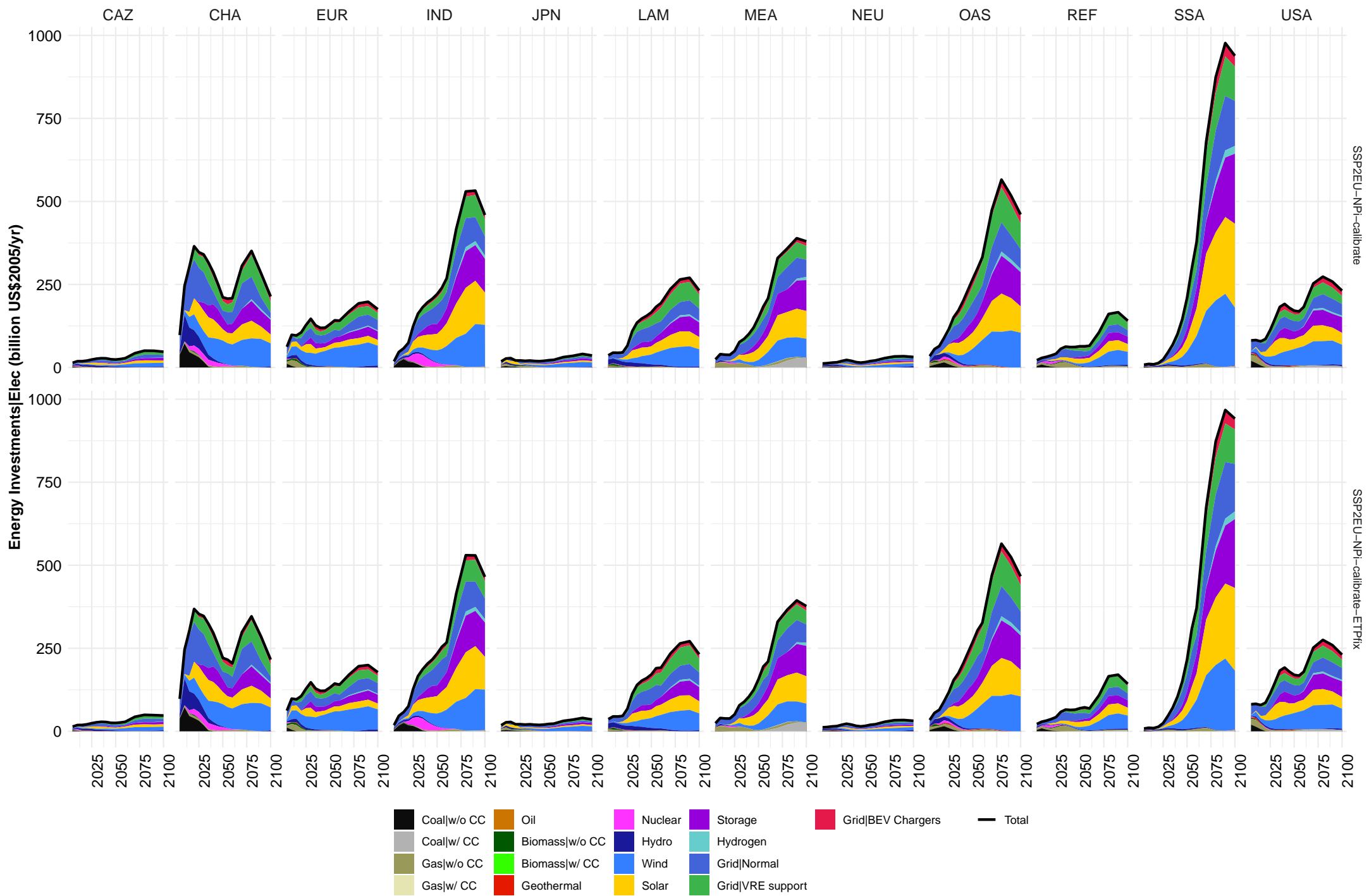
- + UNFCCC



4 Energy Supply

4.1 Investments Electricity

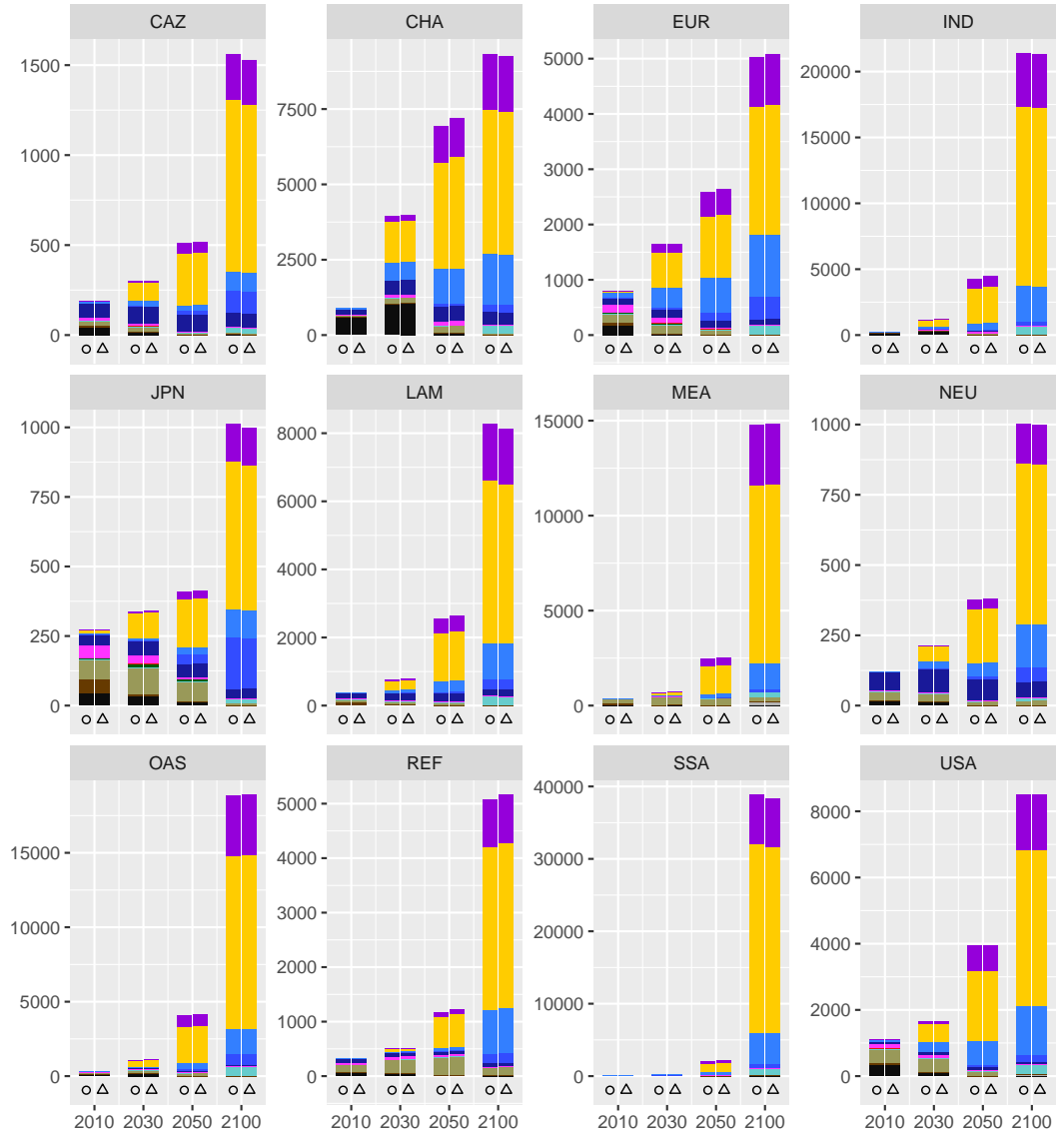
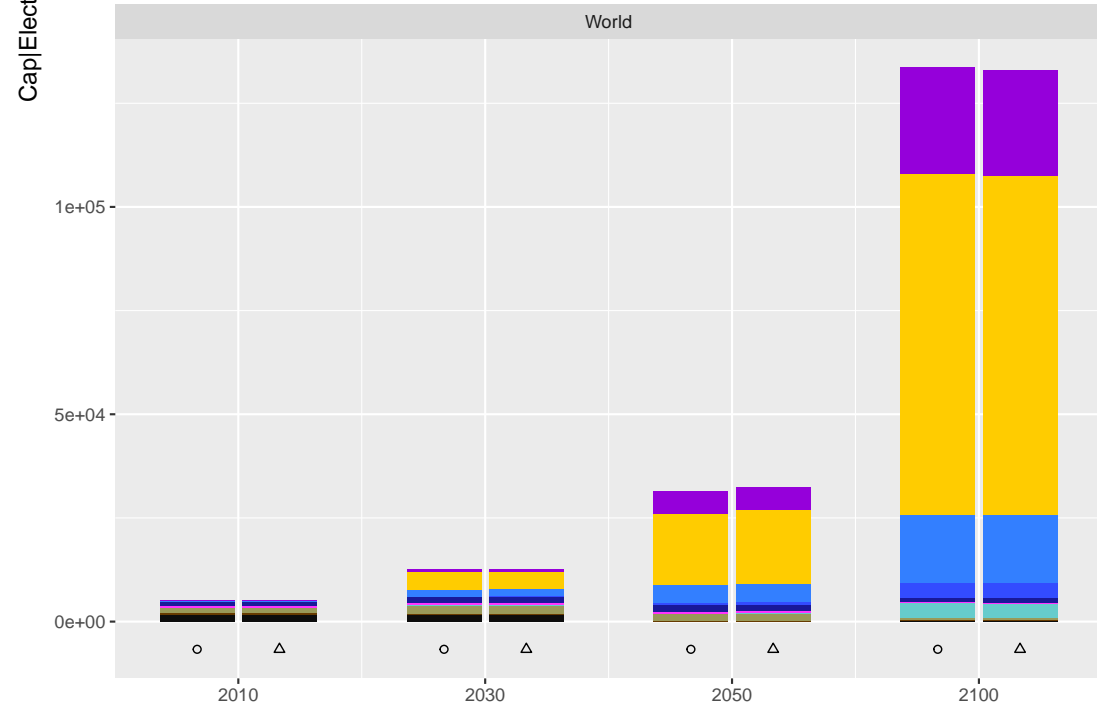
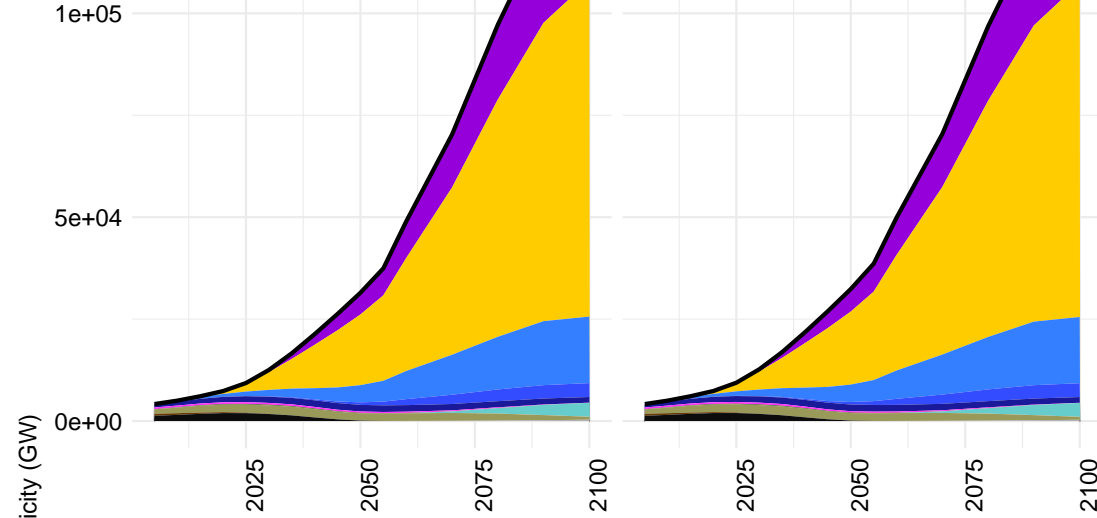




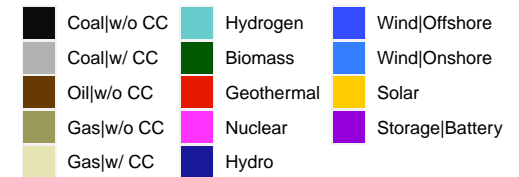
4.2 Capacities Electricity

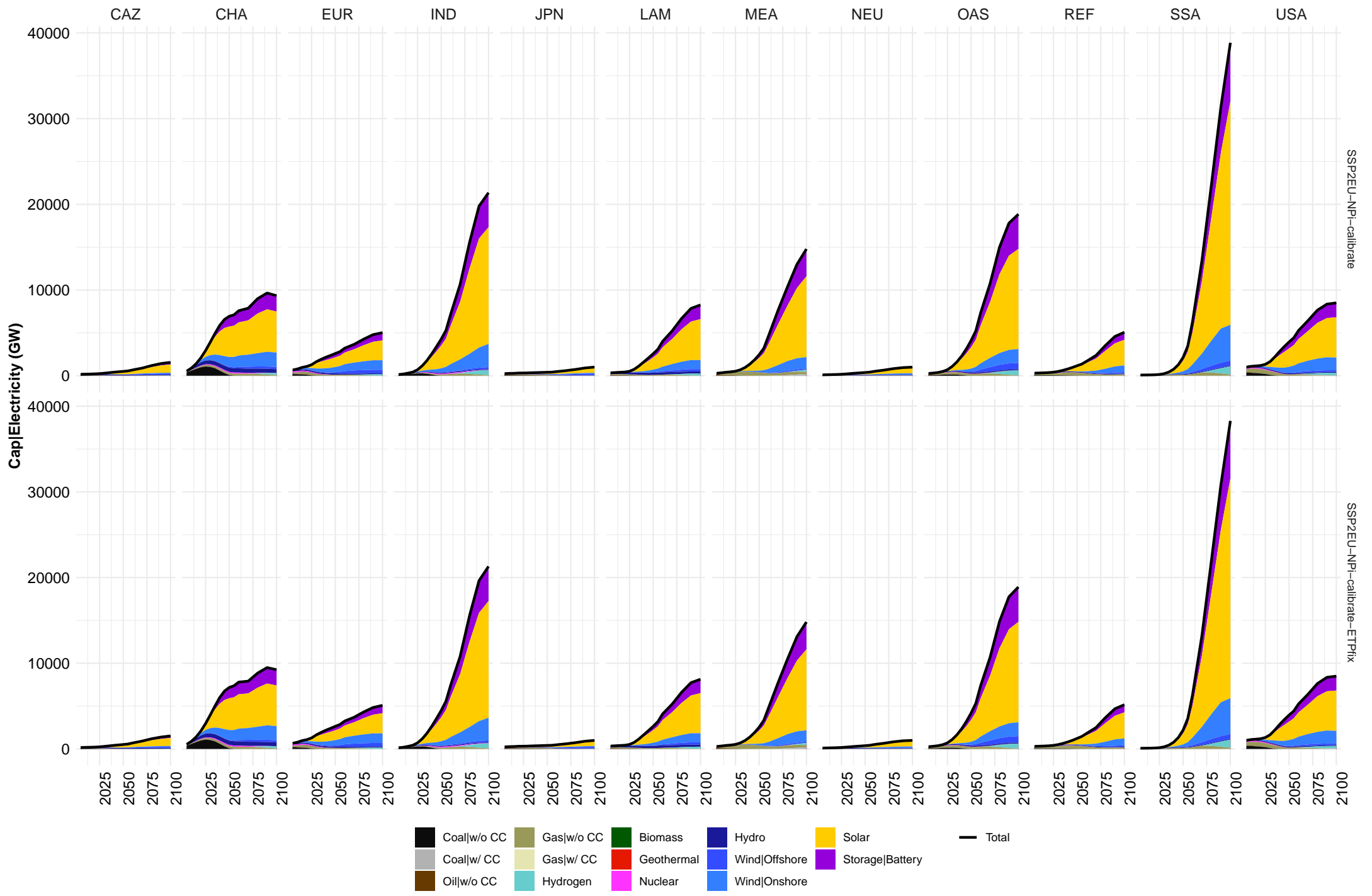
SSP2EU-NPi-calibrate

SSP2EU-NPi-calibrate-ETPfix



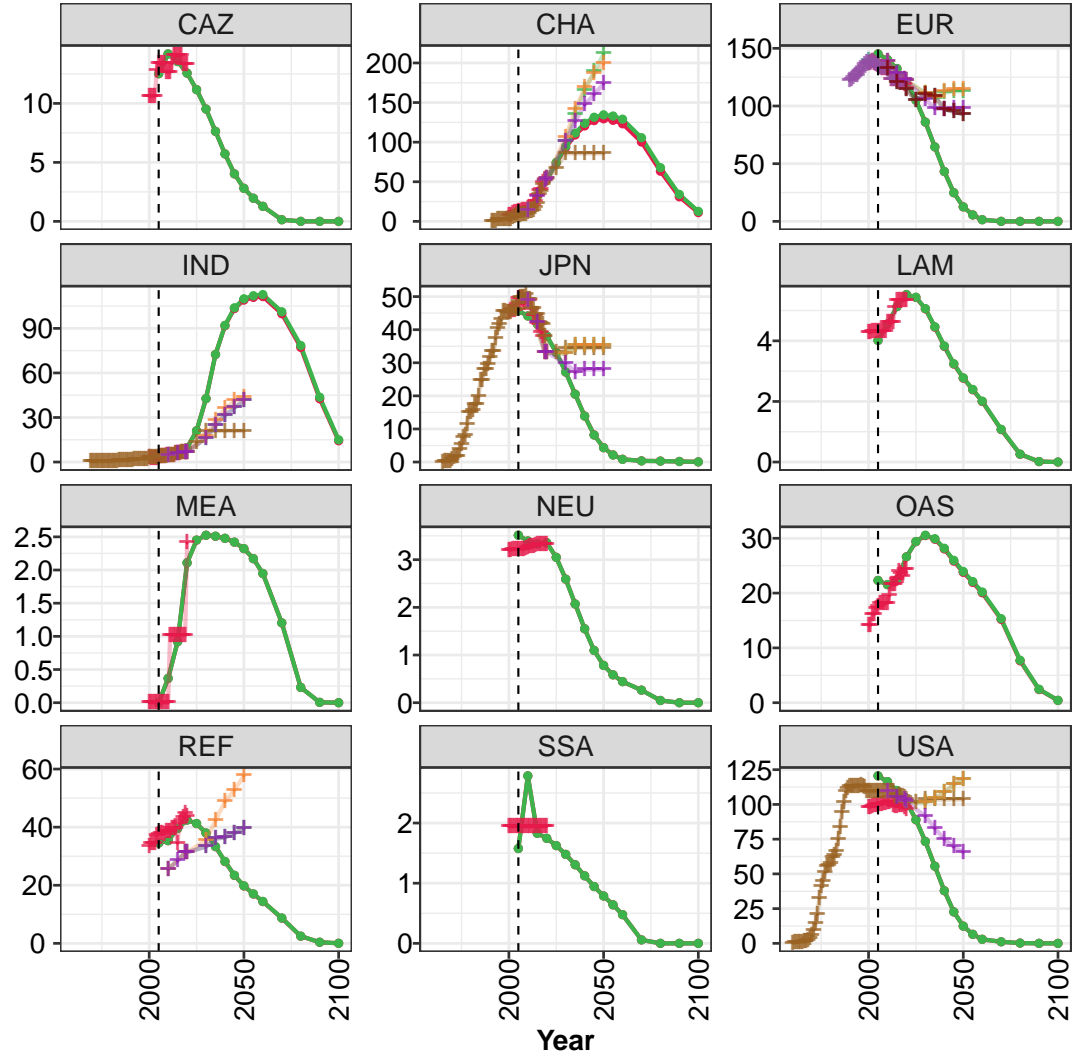
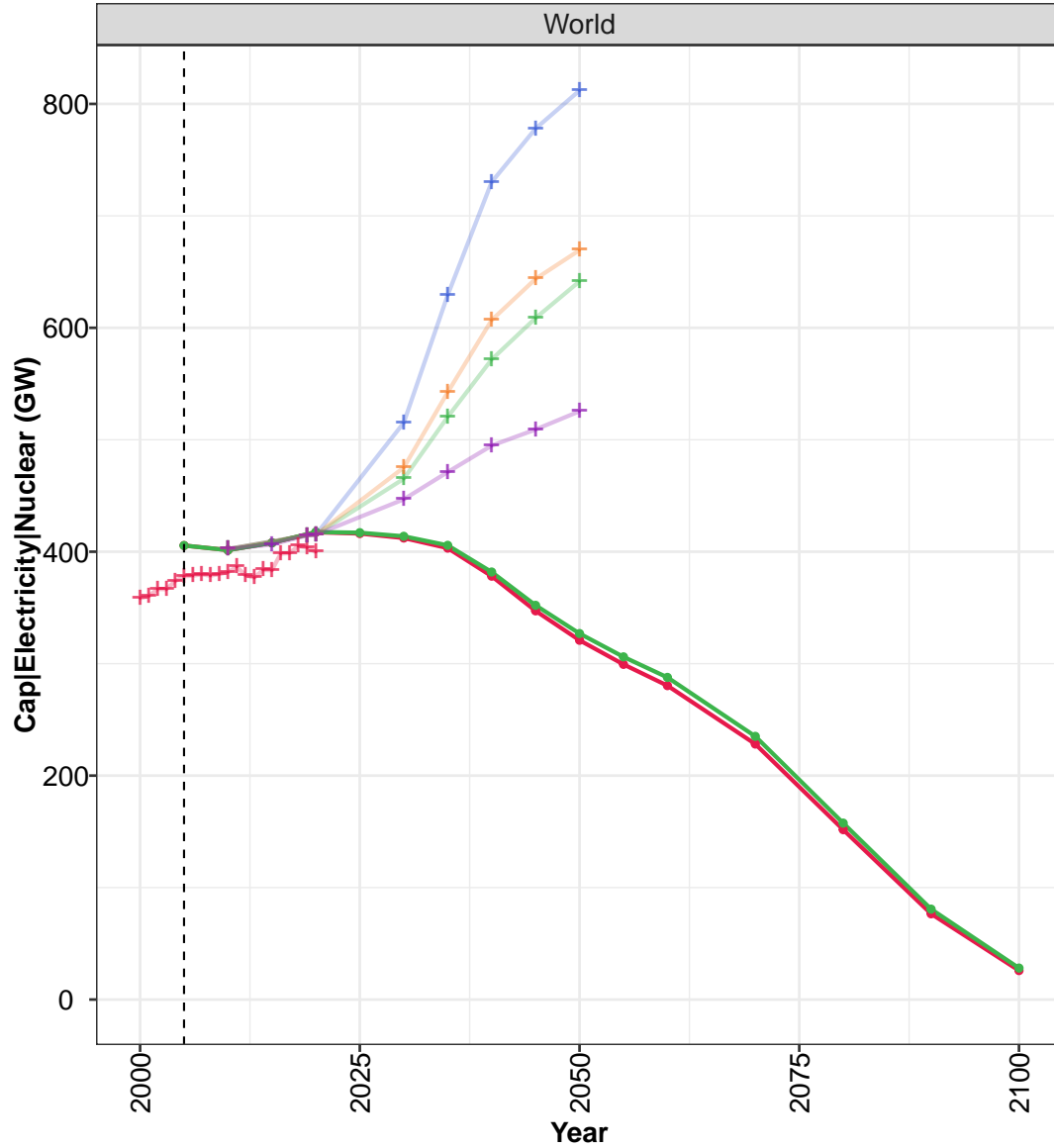
○ SSP2EU-NPi-calibrate △ SSP2EU-NPi-calibrate-ETPfix





4.3 Capacities electricity line plots

4.3.1 Nuclear



Model: REMIND

- +— SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + Ember
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS

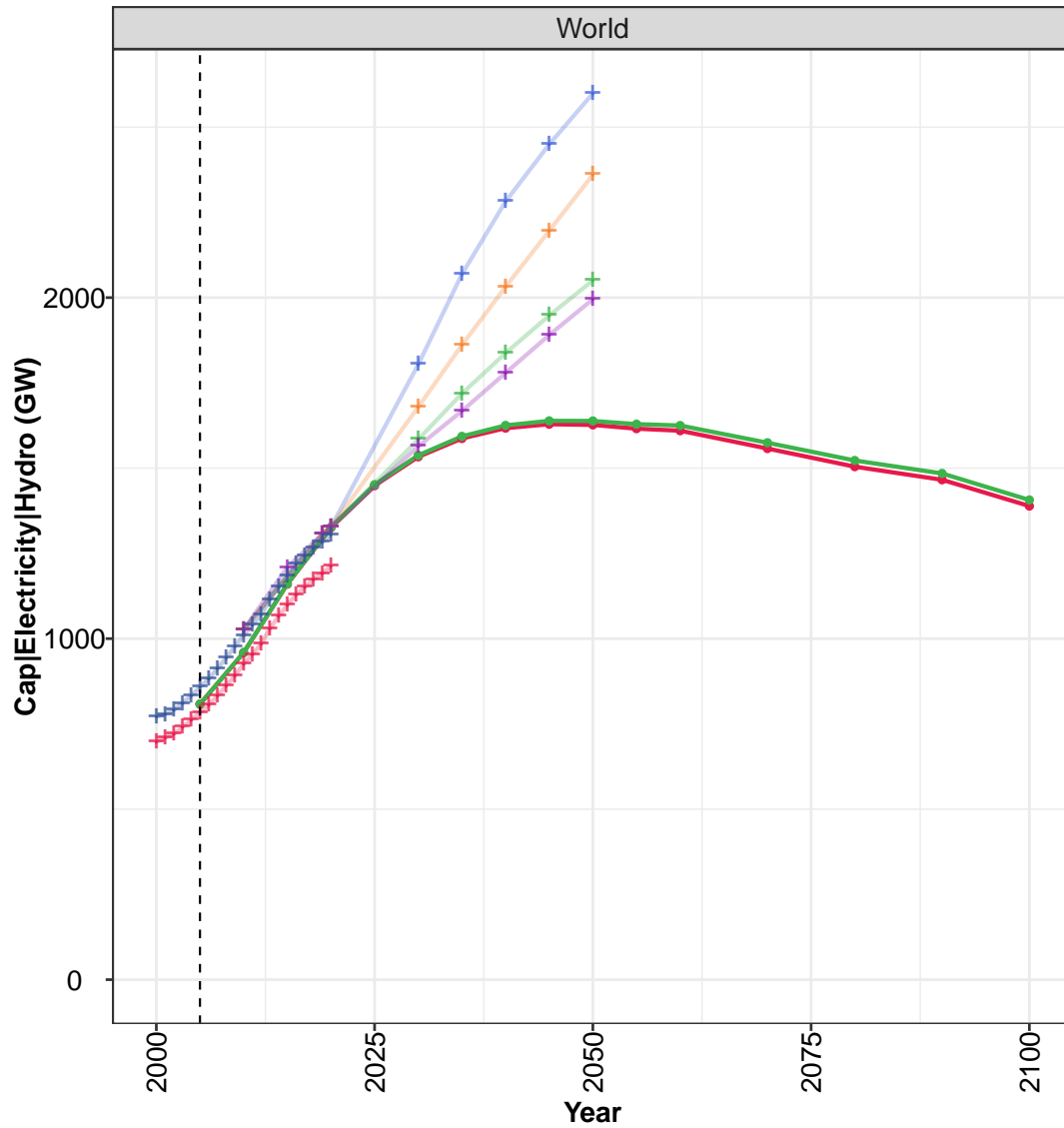
Model: REMIND

- +— SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + Ember
- + EU_ReferenceScenario_2016
- + Eurostat
- + Global Energy Monitor
- + IEA WEO 2021 APS
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS
- + INNOPATHS

4.3.2 Hydro

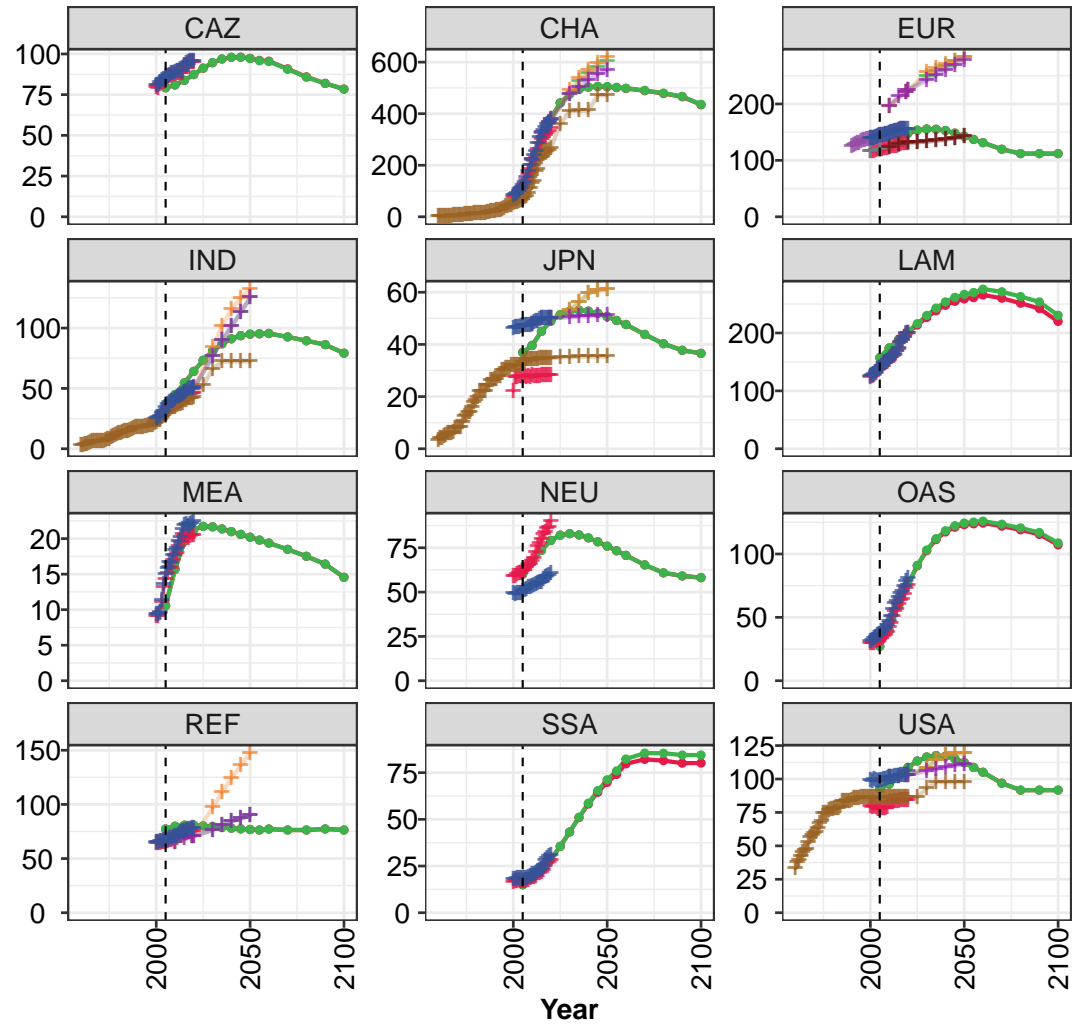


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + Ember
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS
- + IRENA



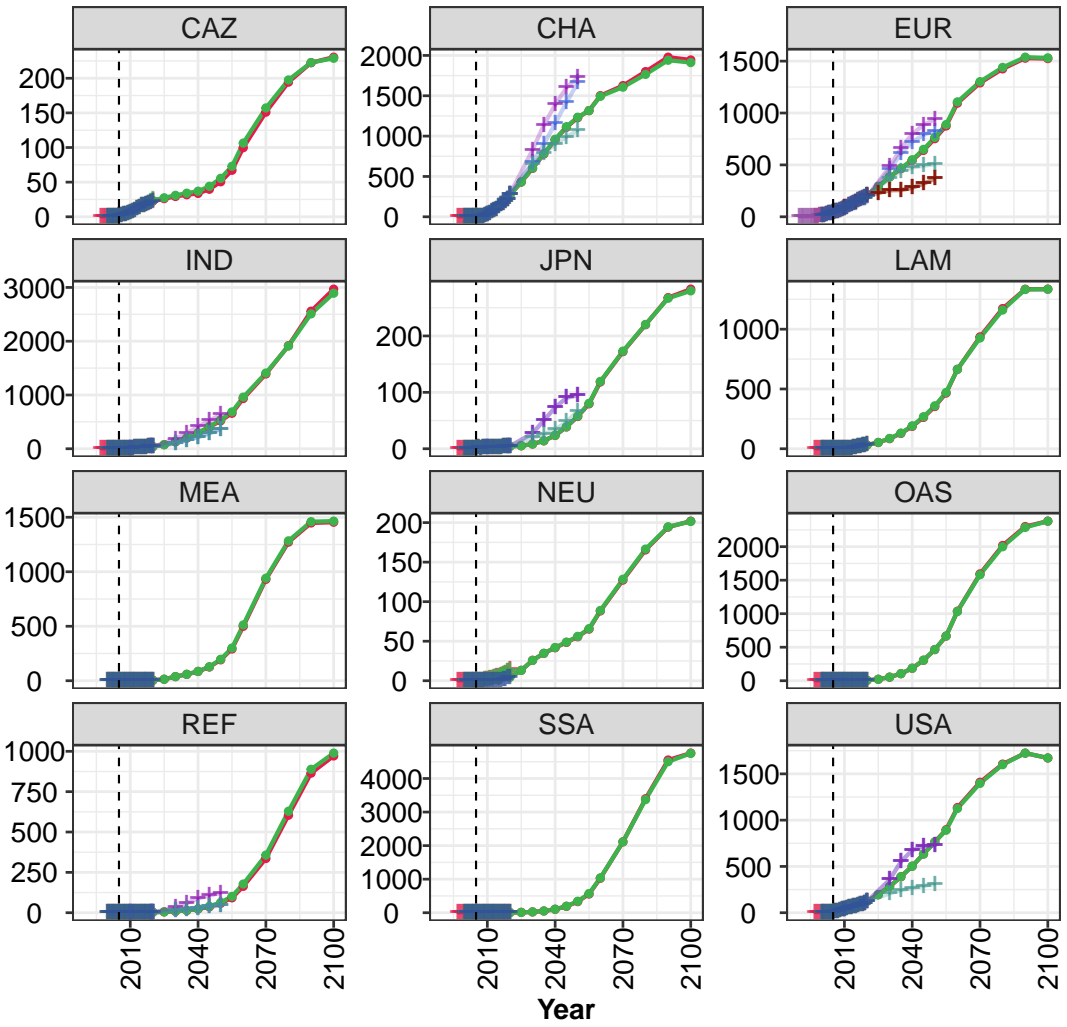
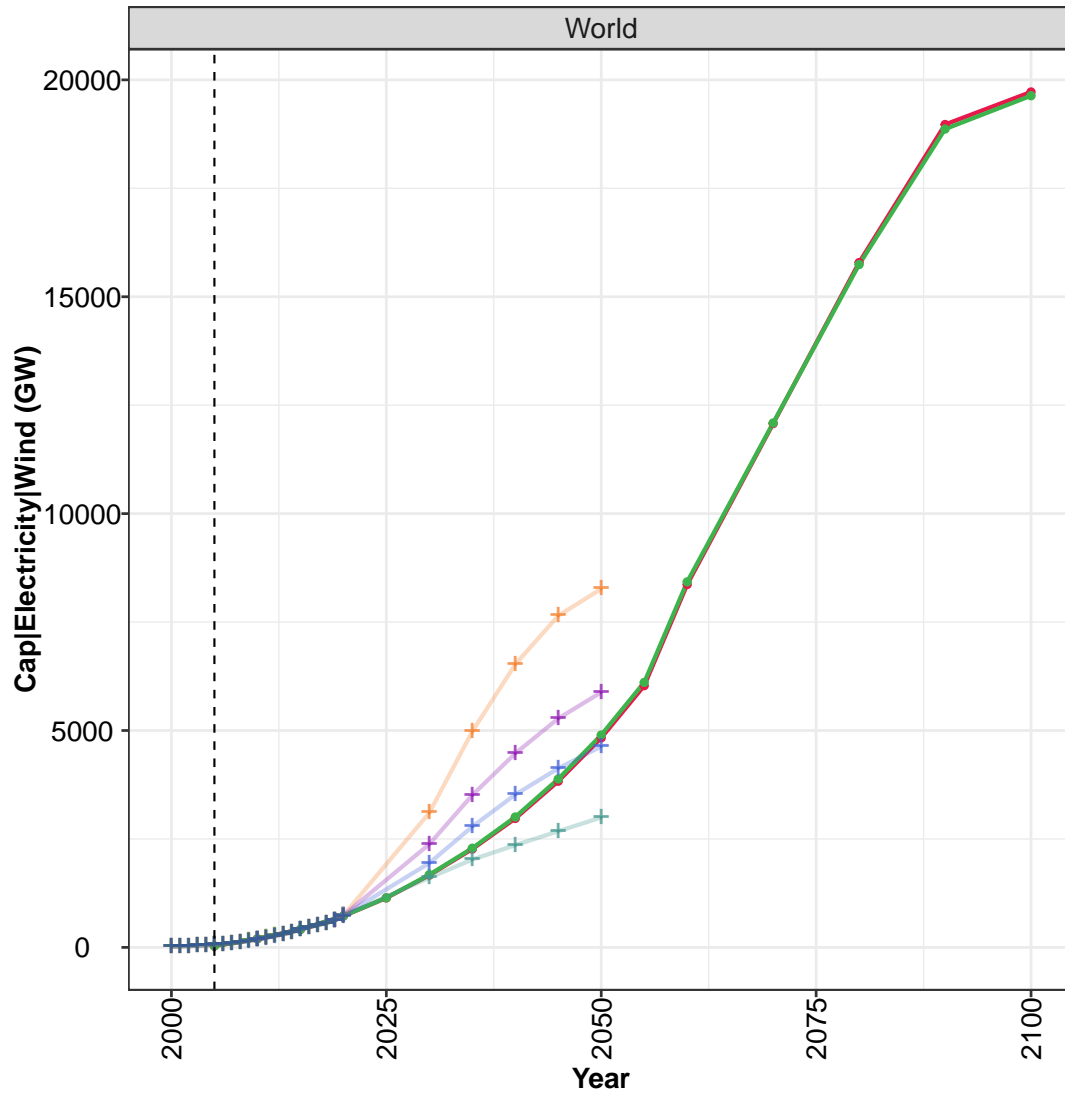
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + Ember
- + EU_ReferenceScenario_2016
- + Eurostat
- + Global Energy Monitor
- + IEA WEO 2021 APS
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS
- + INNOPATHS
- + IRENA

4.3.3 Wind



Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

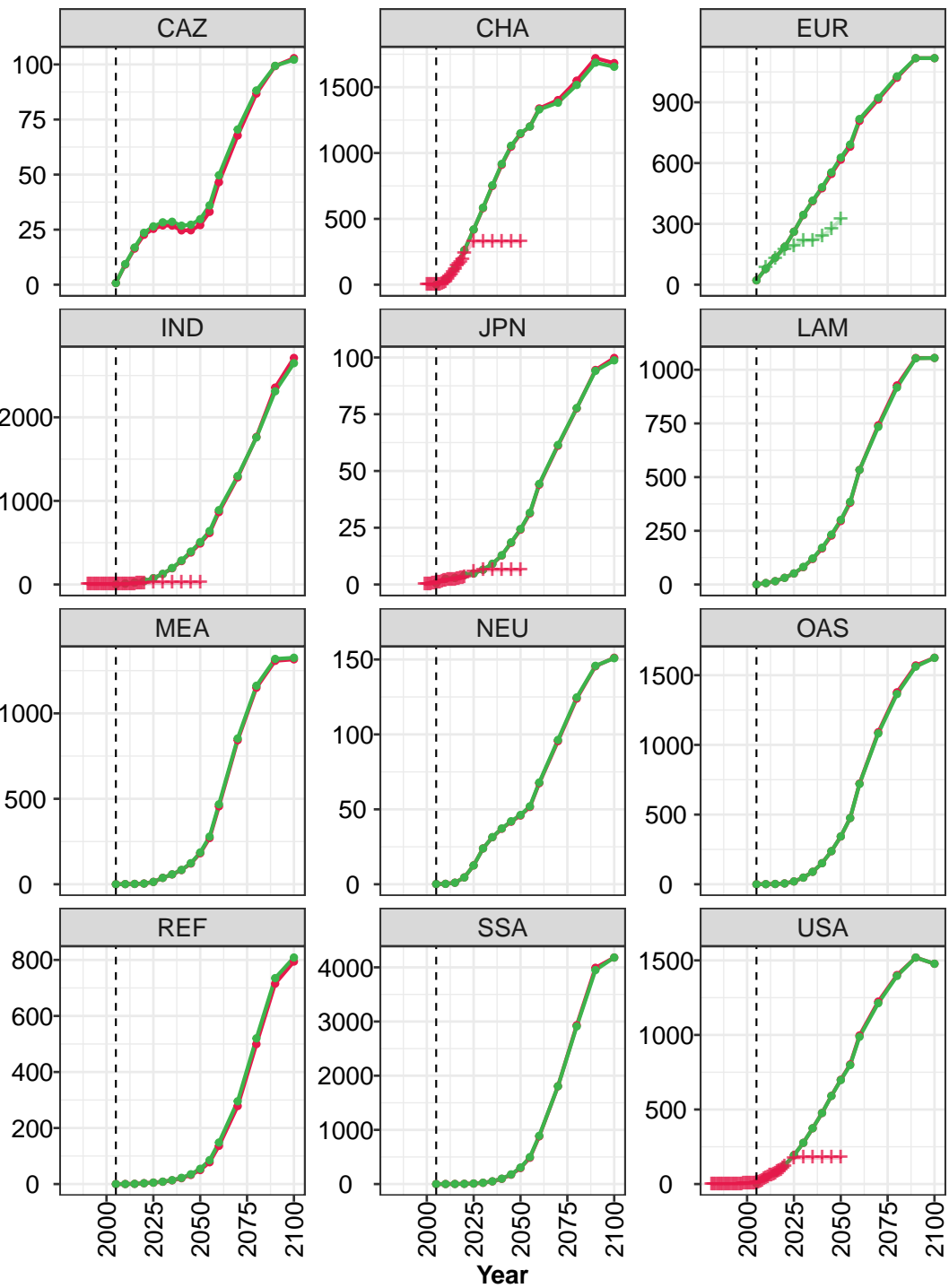
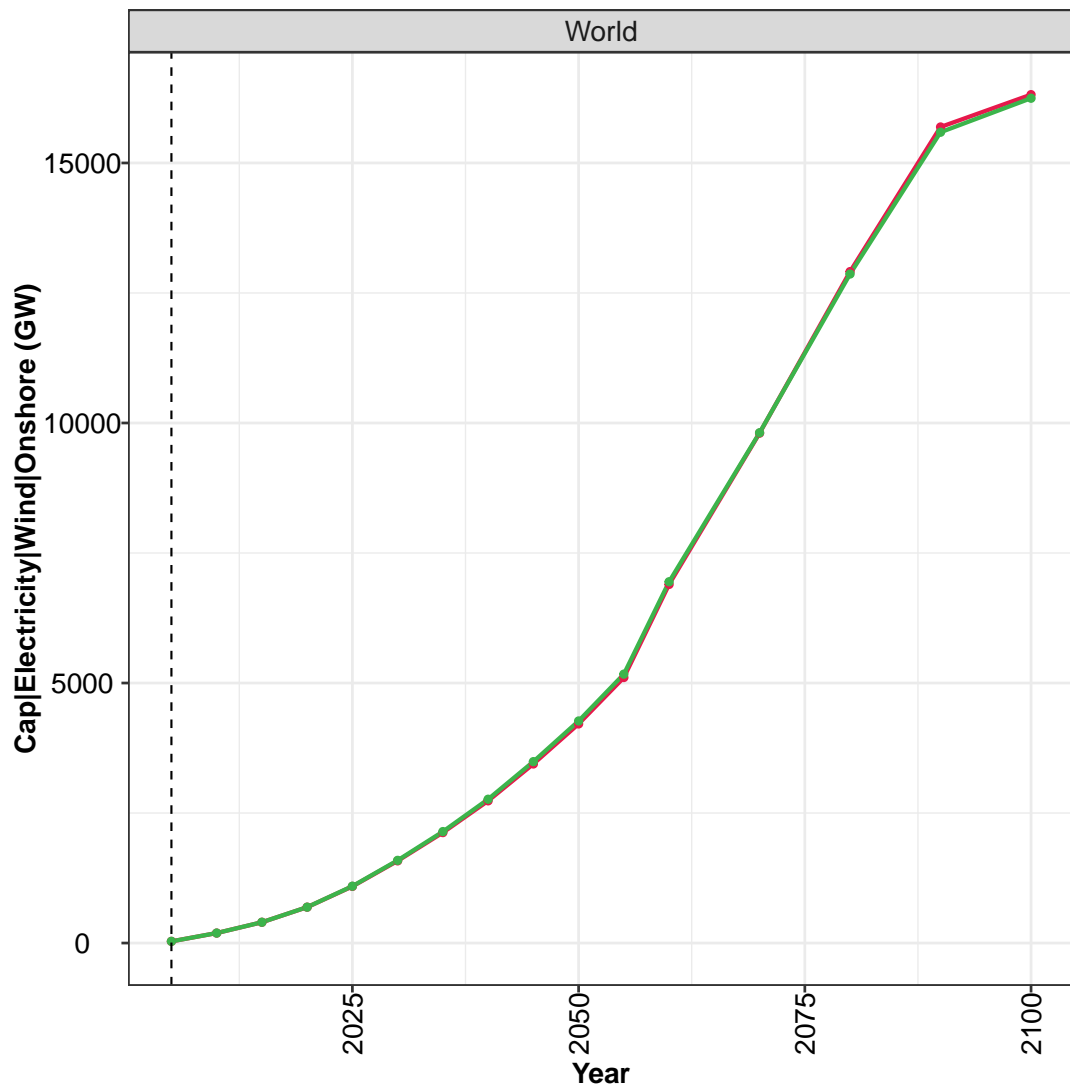
- + BP
- + Ember
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS
- + IRENA

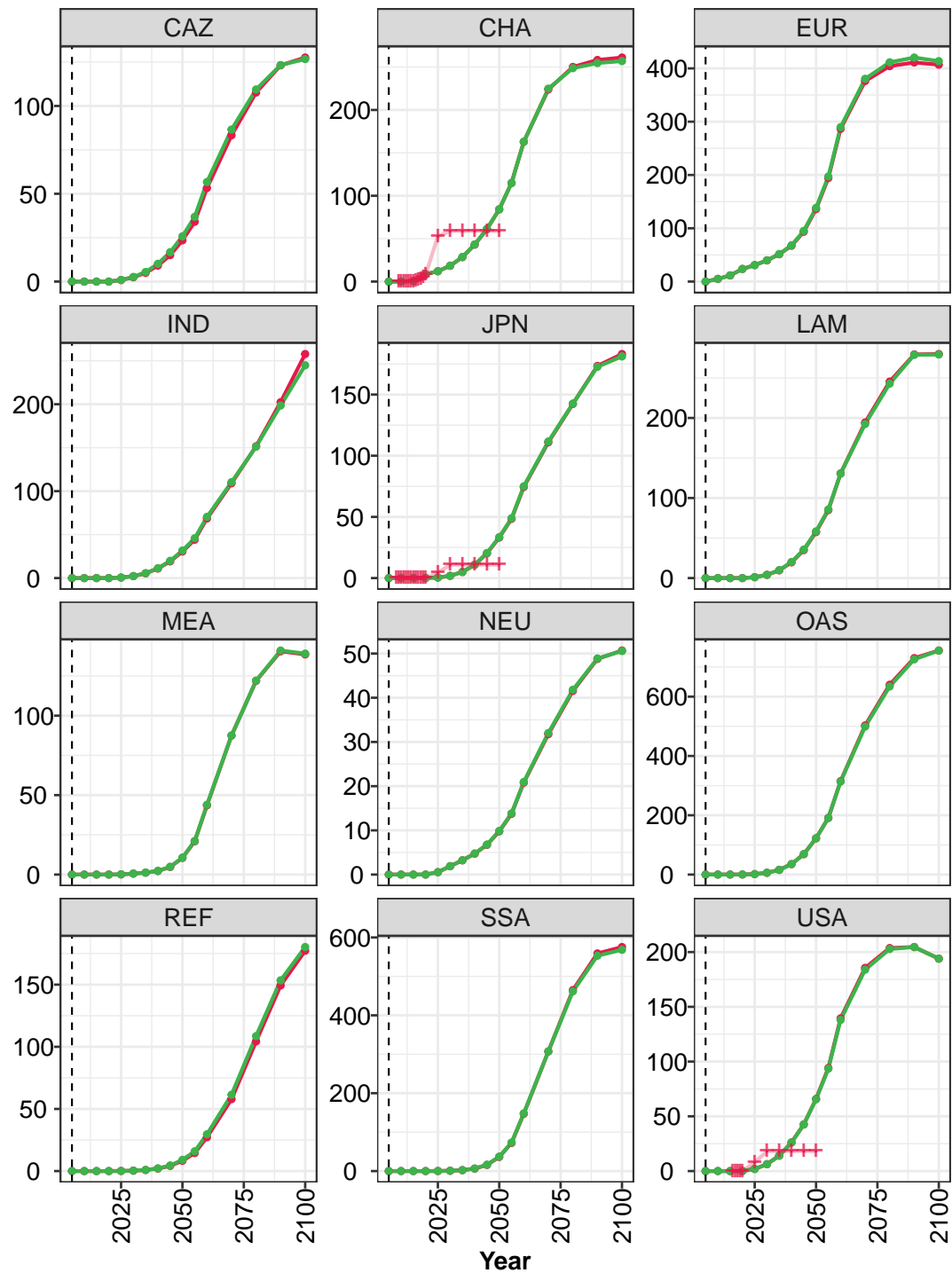
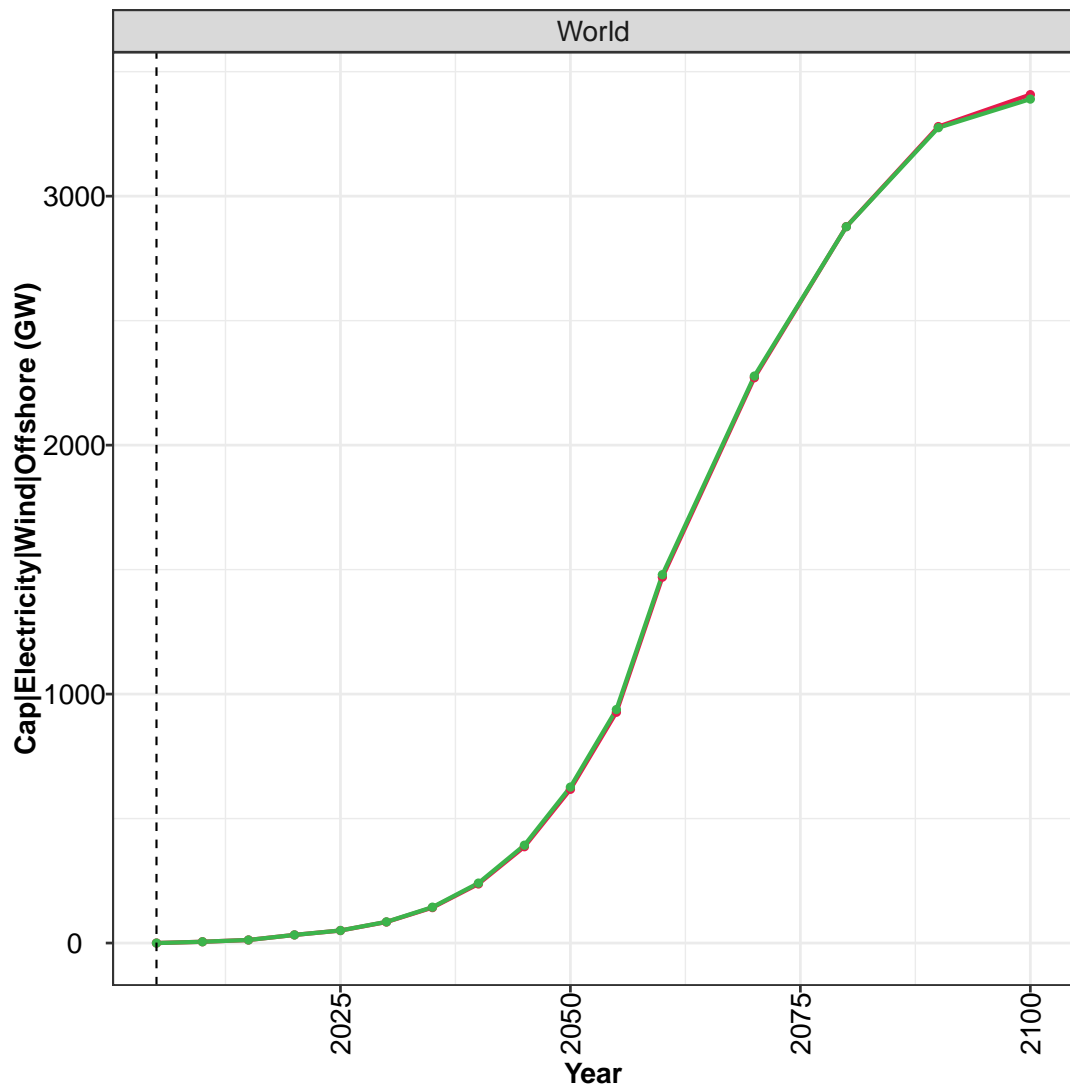
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + BP
- + Ember
- + EU_ReferenceScenario_2016
- + Eurostat
- + IEA WEO 2021 APS
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS
- + INNOPATHS
- + IRENA





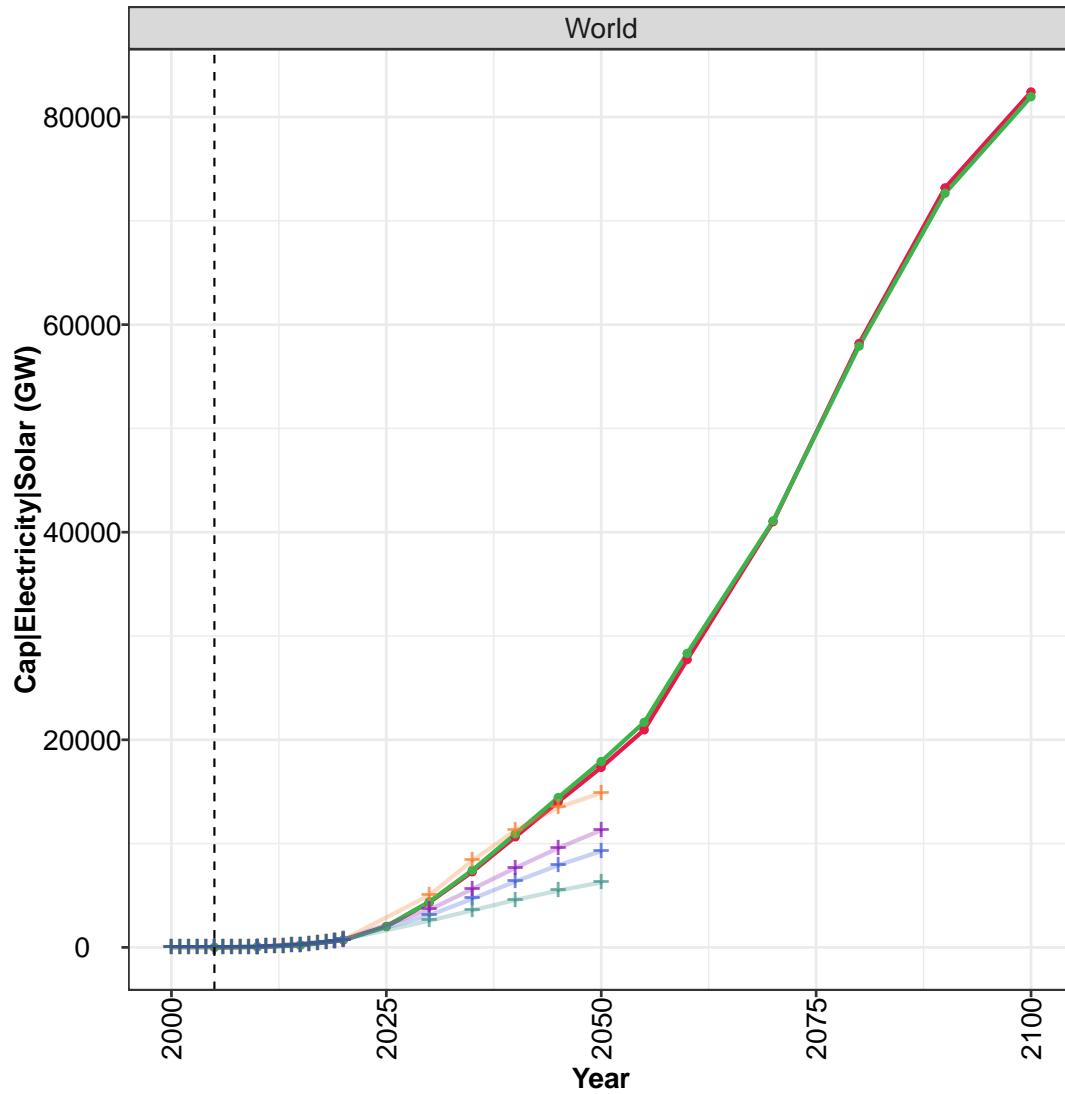
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + Global Energy Monitor

4.3.4 Solar

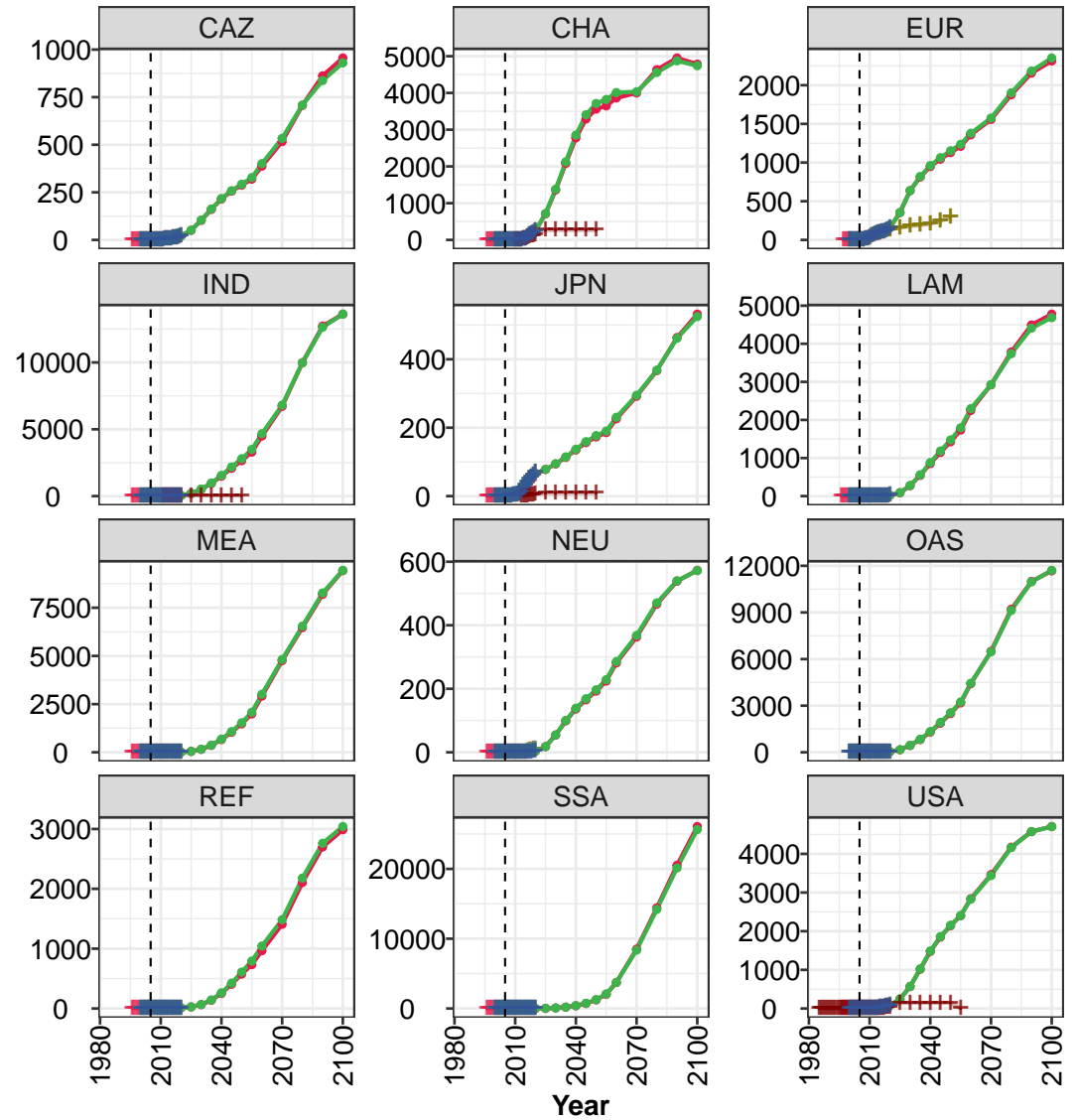


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + BP
- + Ember
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS
- + IRENA



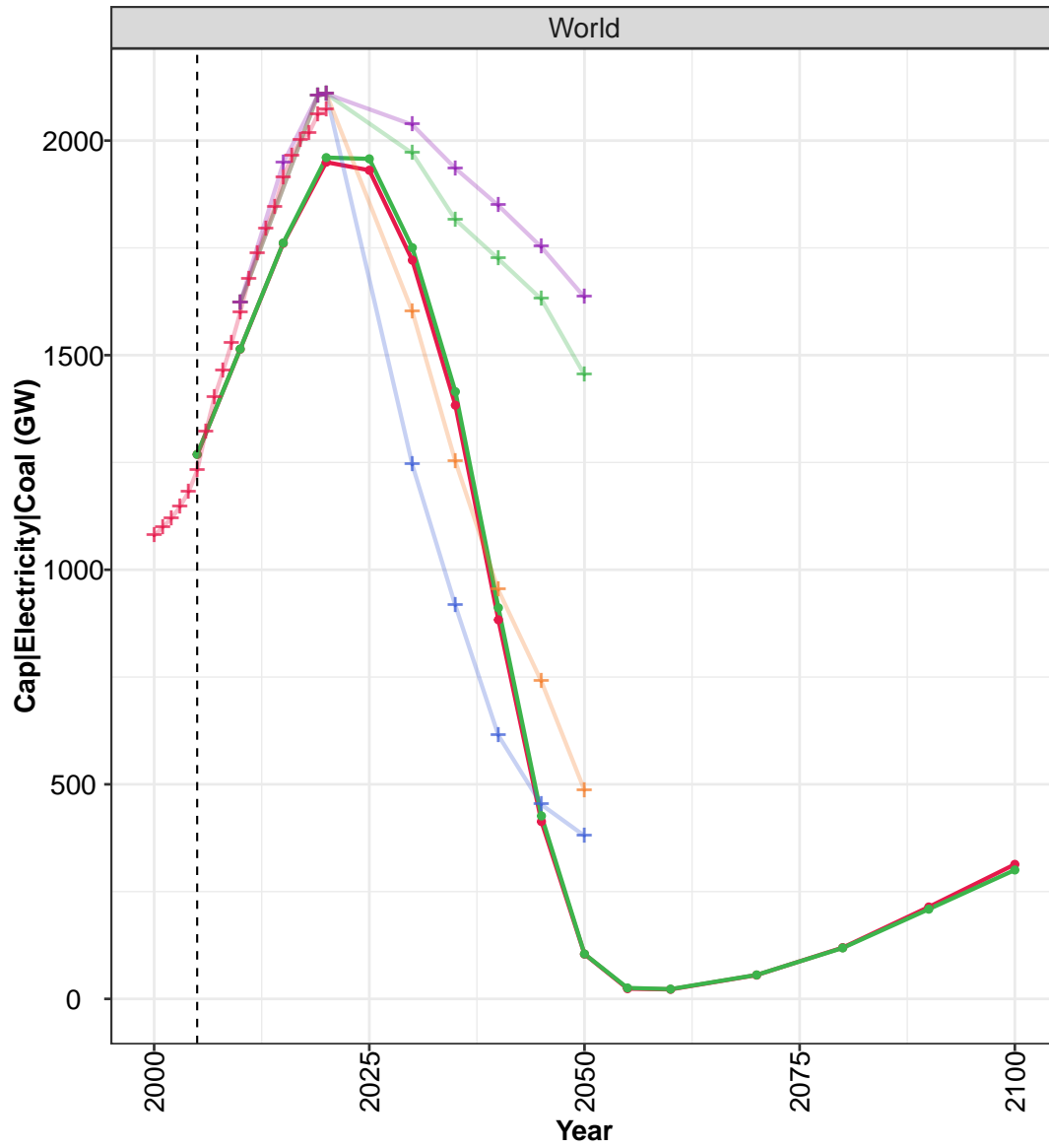
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + BP
- + Ember
- + EU_ReferenceScenario_2016
- + Global Energy Monitor
- + INNOPATHS
- + IRENA

4.3.5 Coal

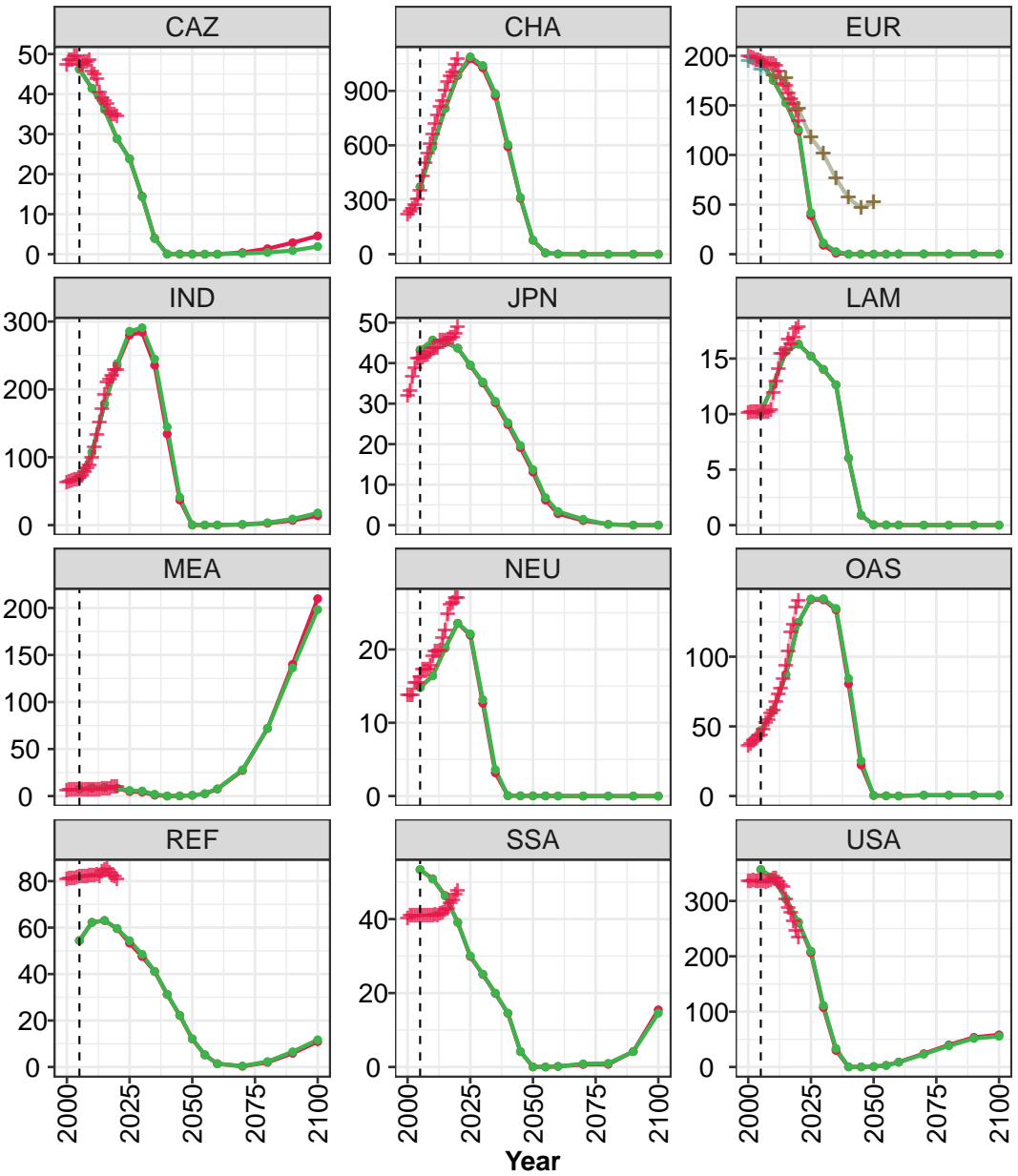


Model: REMIND

- +— SSP2EU-NPi-calibrate
- +— SSP2EU-NPi-calibrate-ETPfix

Historical data

- + Ember
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS



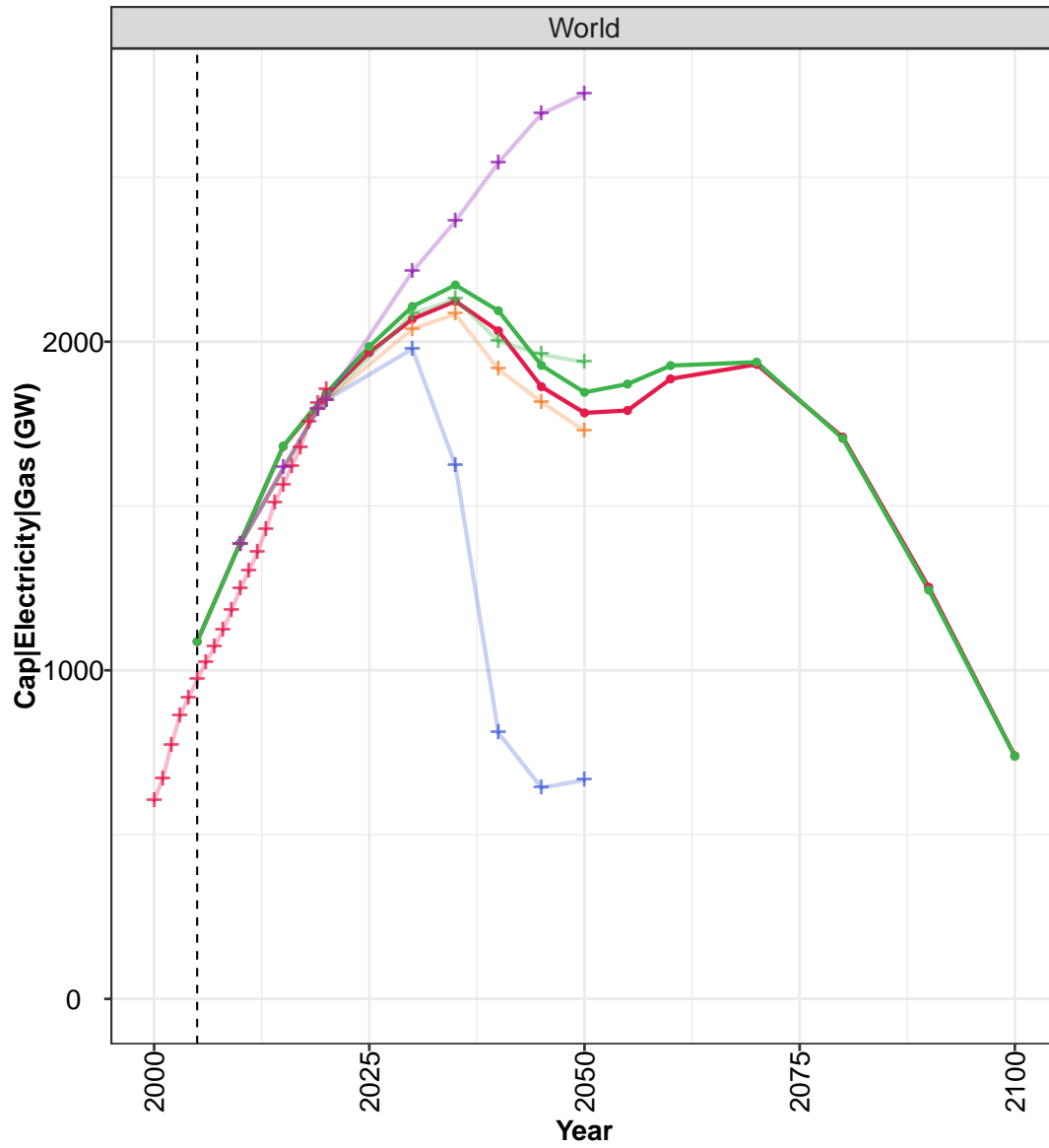
Model: REMIND

- +— SSP2EU-NPi-calibrate
- +— SSP2EU-NPi-calibrate-ETPfix

Historical data

- + Ember
- + EU_ReferenceScenario_2016
- + INNOPATHS

4.3.6 Gas

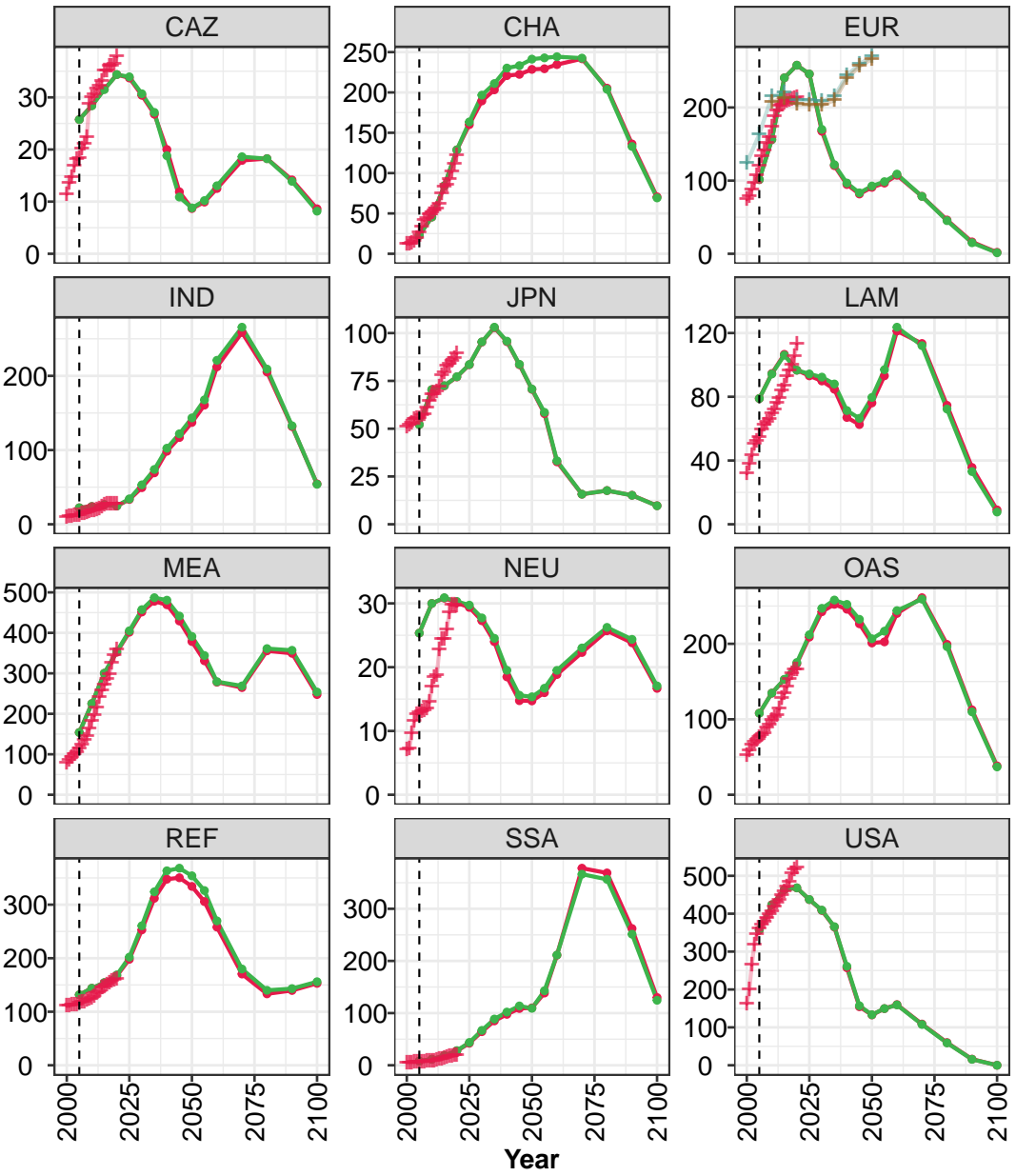


Model: REMIND

- +— SSP2EU-NPi-calibrate
- +— SSP2EU-NPi-calibrate-ETPfix

Historical data

- + Ember
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS



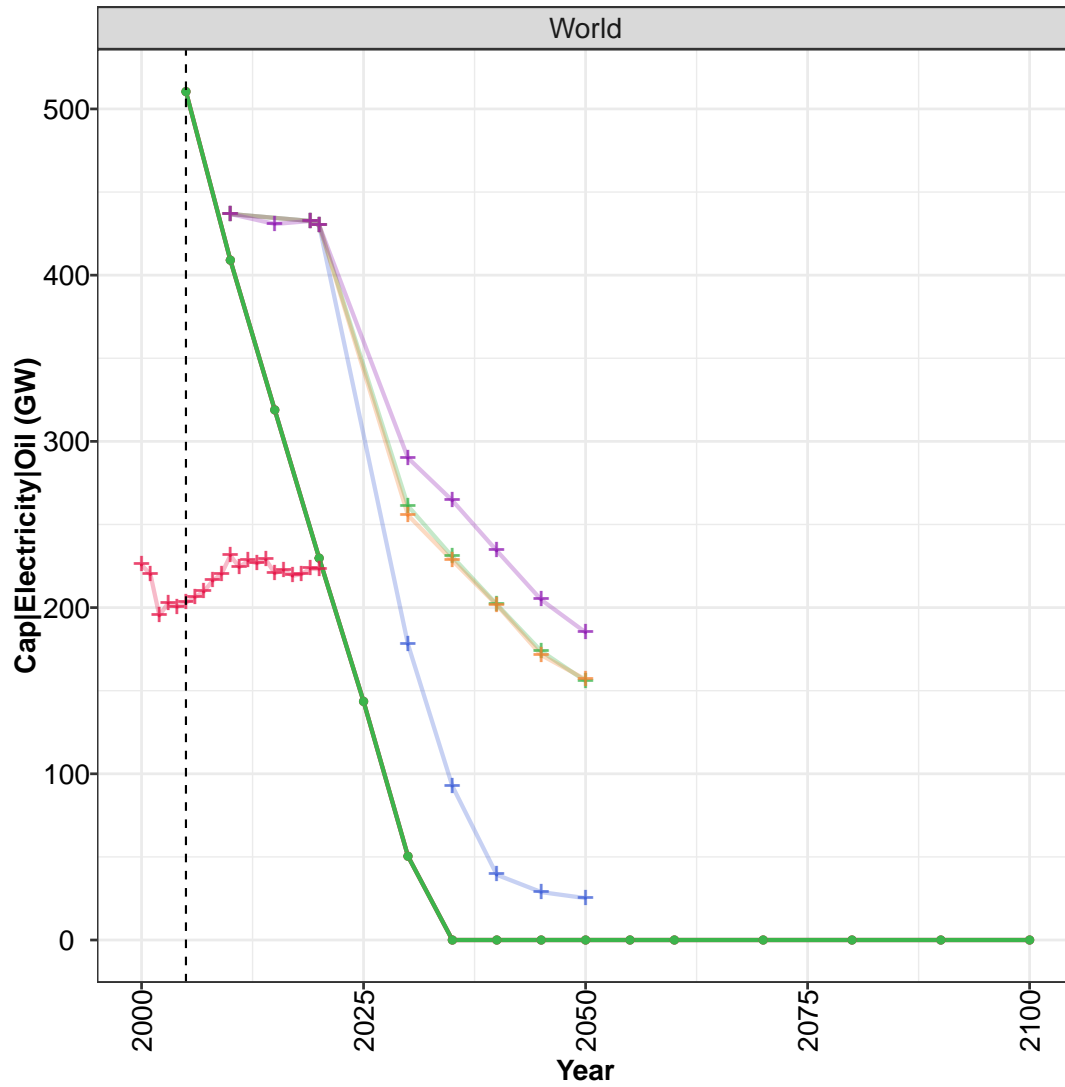
Model: REMIND

- +— SSP2EU-NPi-calibrate
- +— SSP2EU-NPi-calibrate-ETPfix

Historical data

- + Ember
- + EU_ReferenceScenario_2016
- + INNOPATHS

4.3.7 Oil

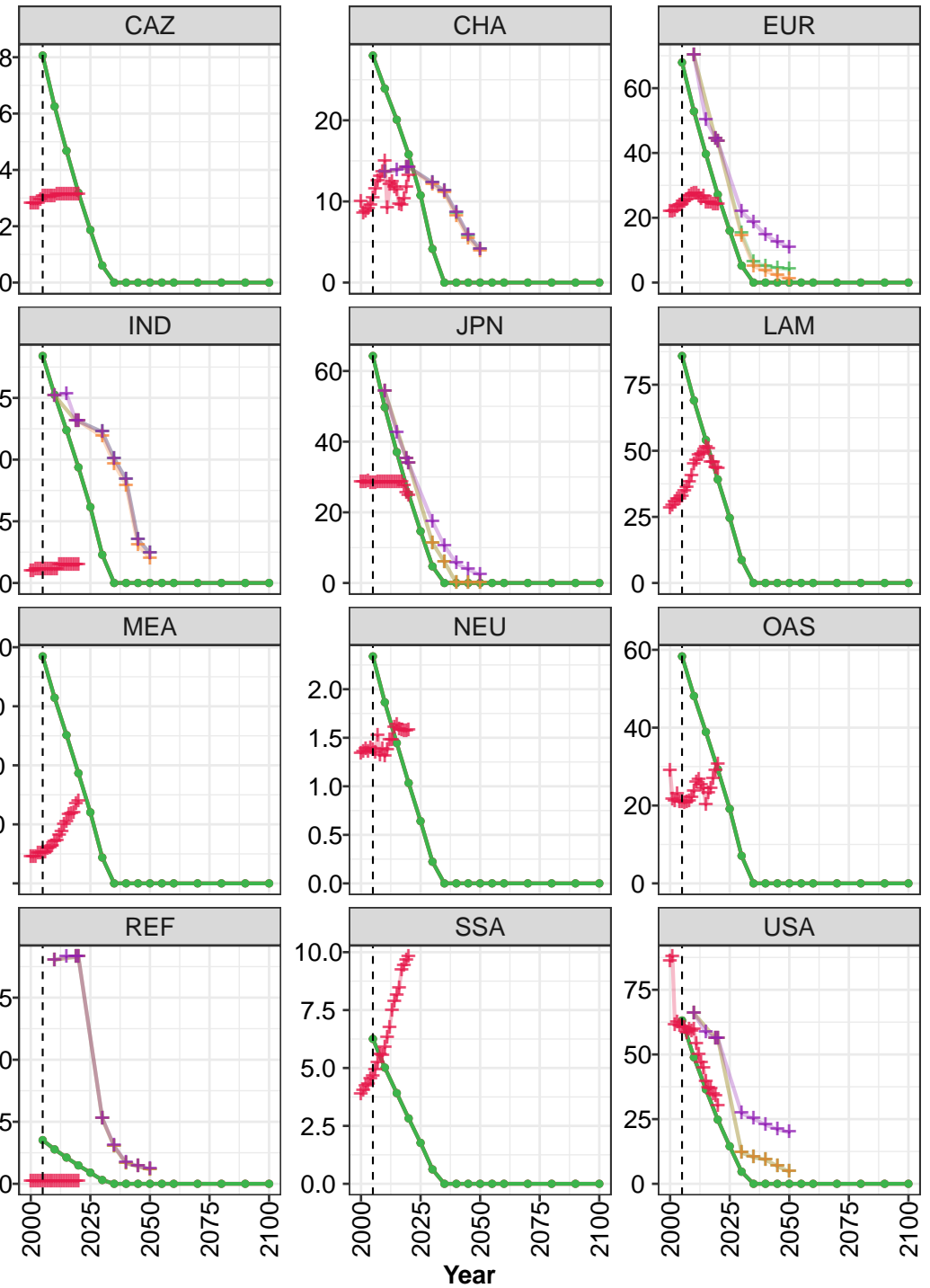


Model: REMIND

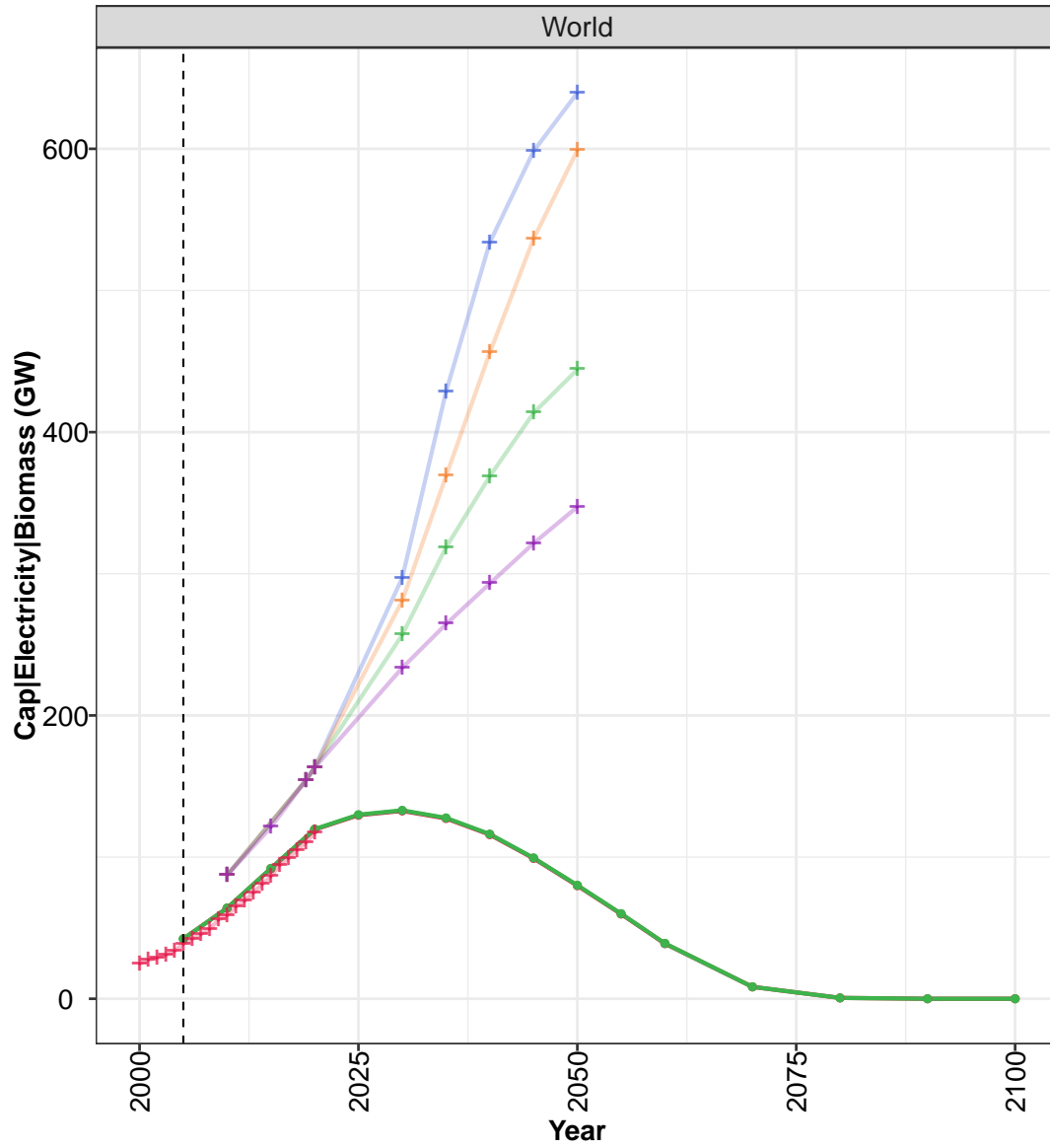
- +— SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + Ember
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS



4.3.8 Biomass

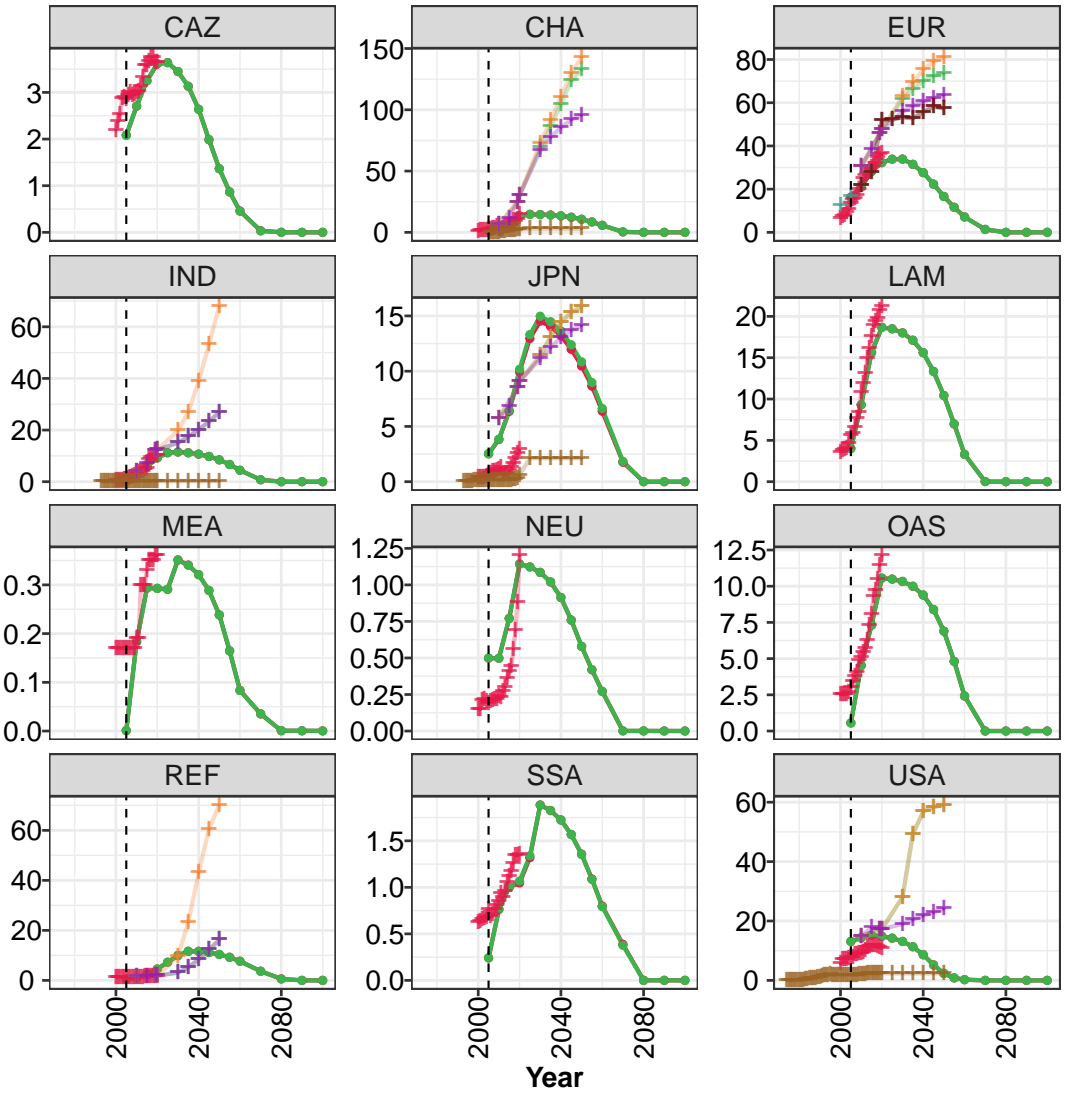


Model: REMIND

- +— SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + Ember
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS



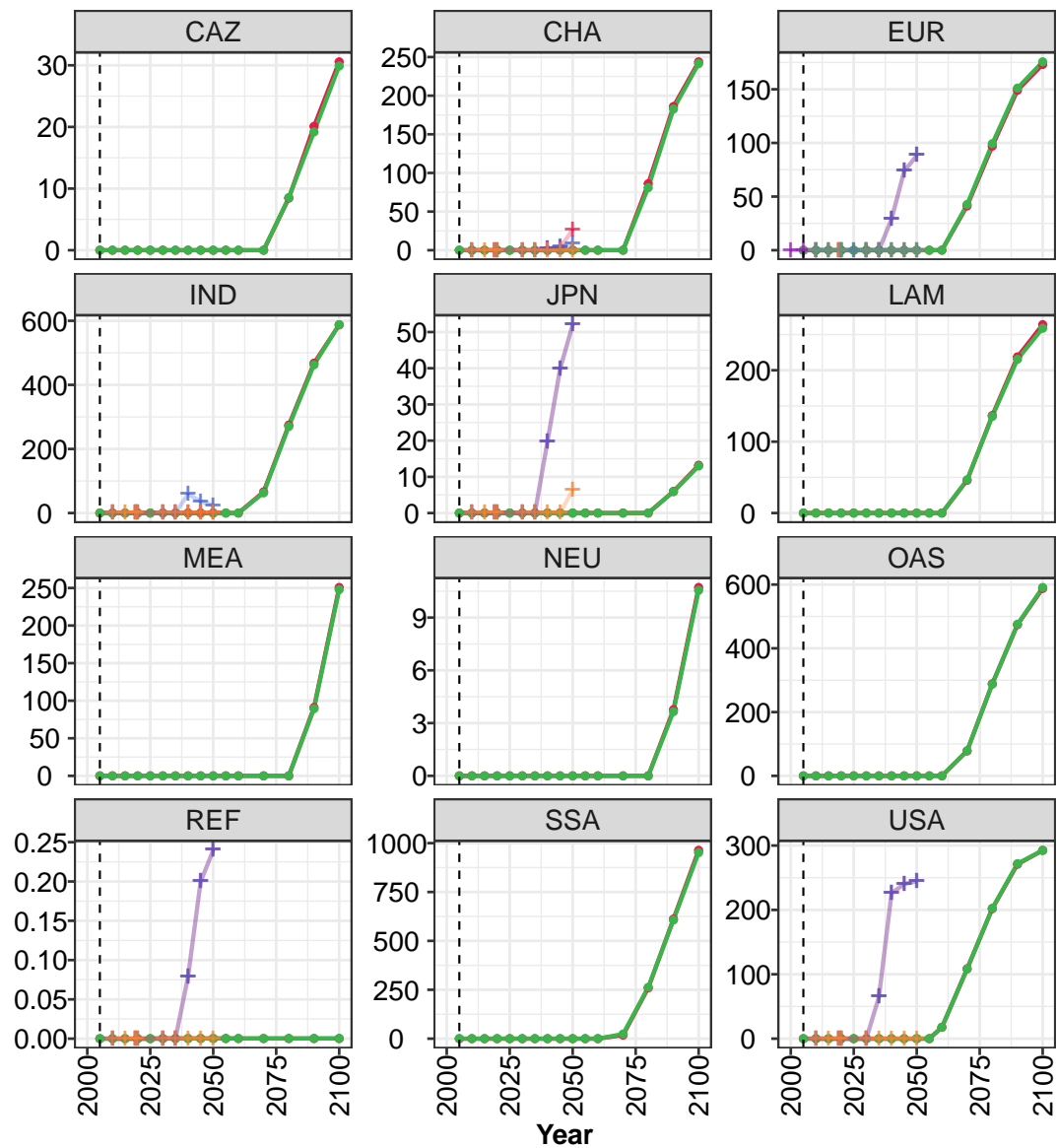
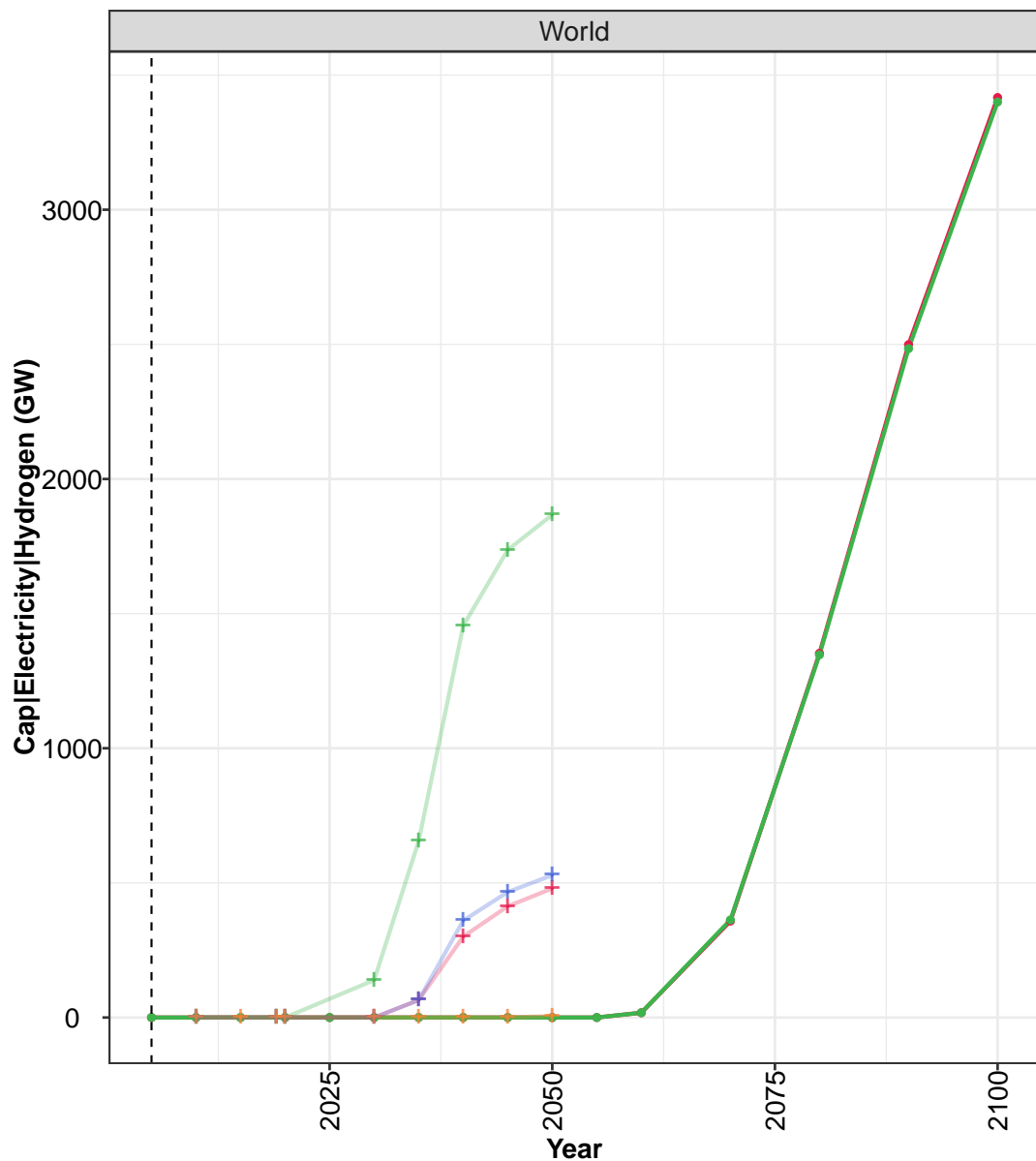
Model: REMIND

- +— SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + Ember
- + EU_ReferenceScenario_2016
- + Global Energy Monitor
- + IEA WEO 2021 APS
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS
- + INNOPATHS

4.3.9 Hydrogen



Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS

Model: REMIND

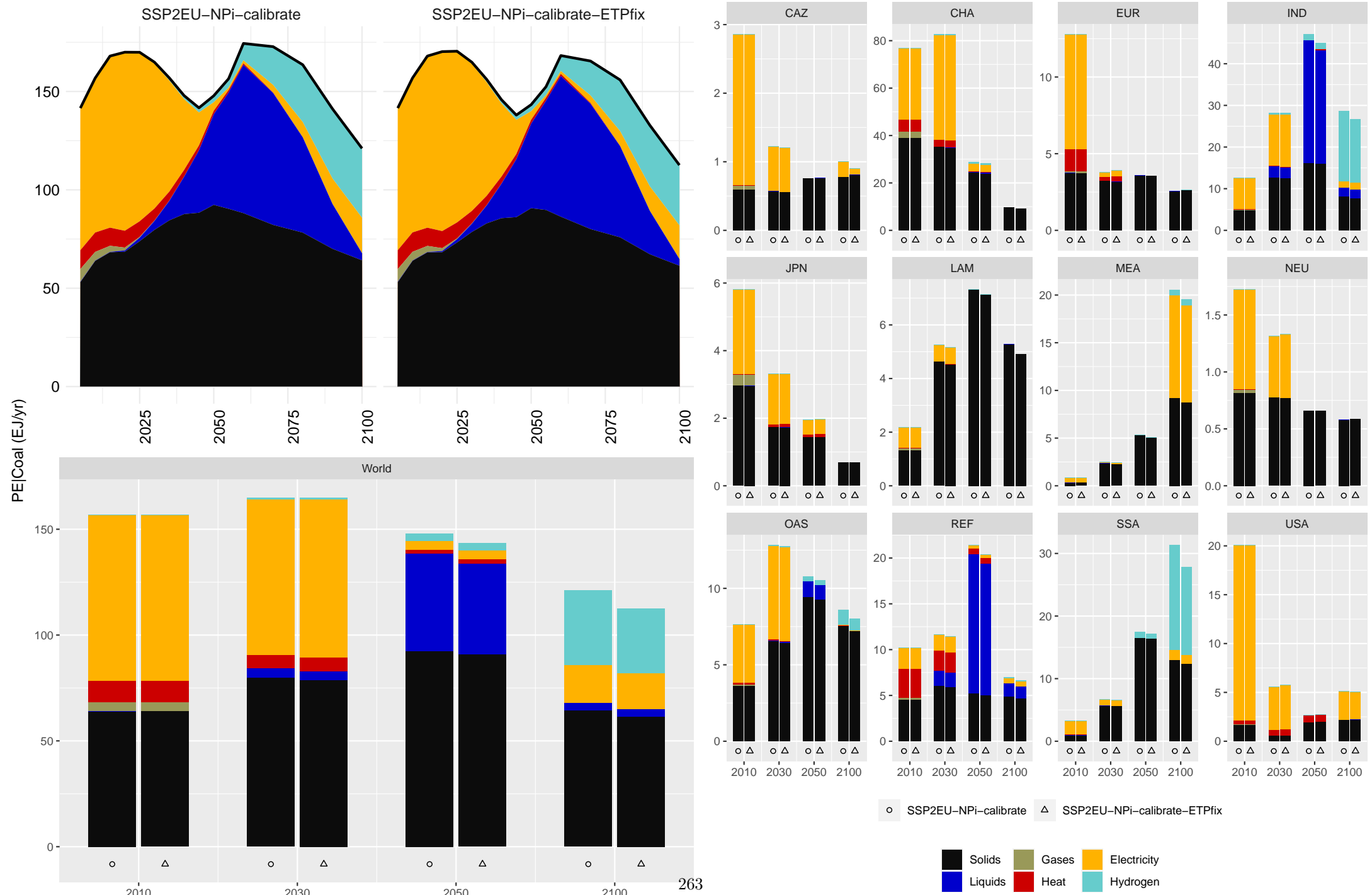
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

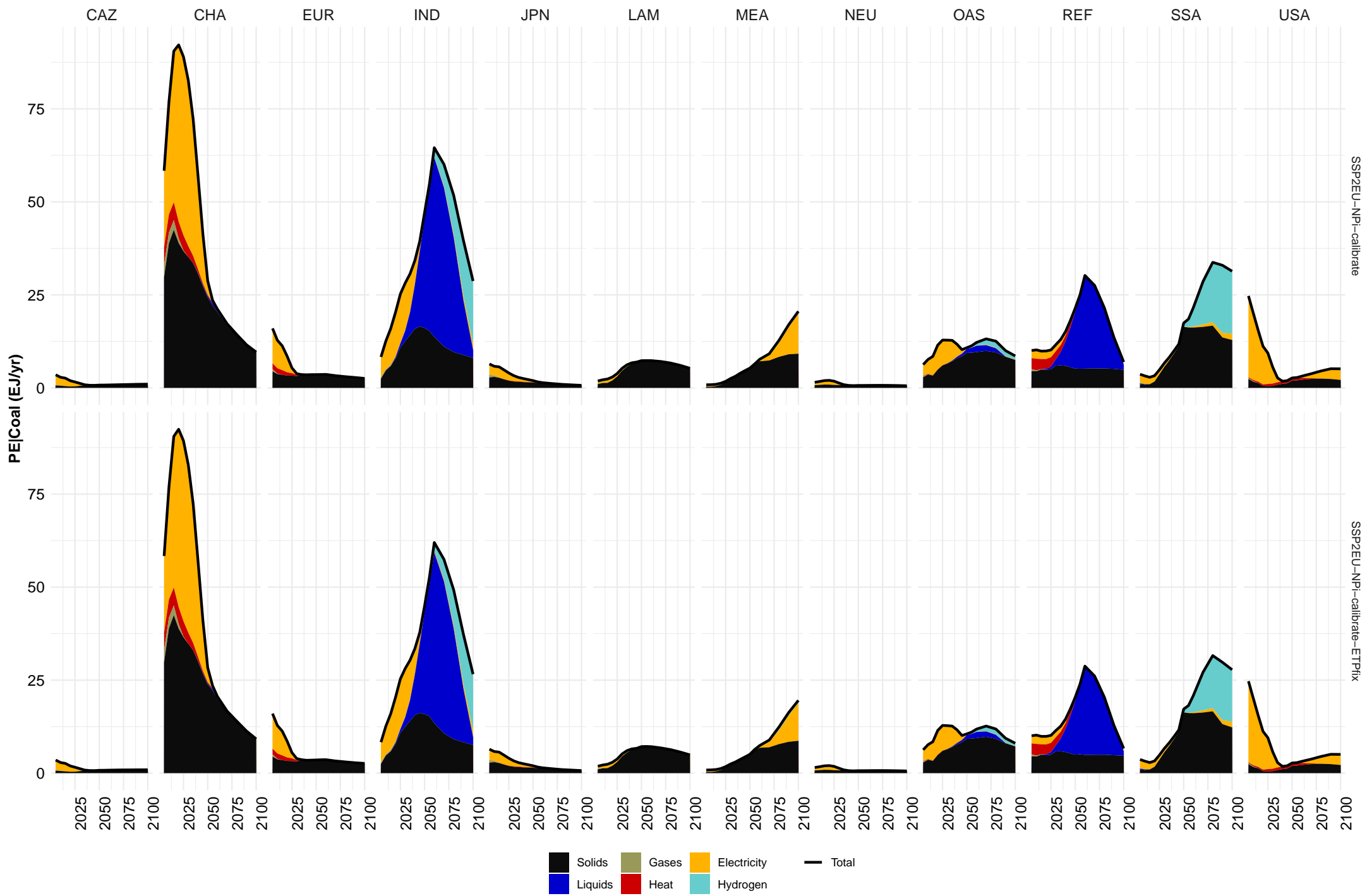
Historical data

- + EU_ReferenceScenario_2016
- + IEA WEO 2021 APS
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS
- + INNOPATHS

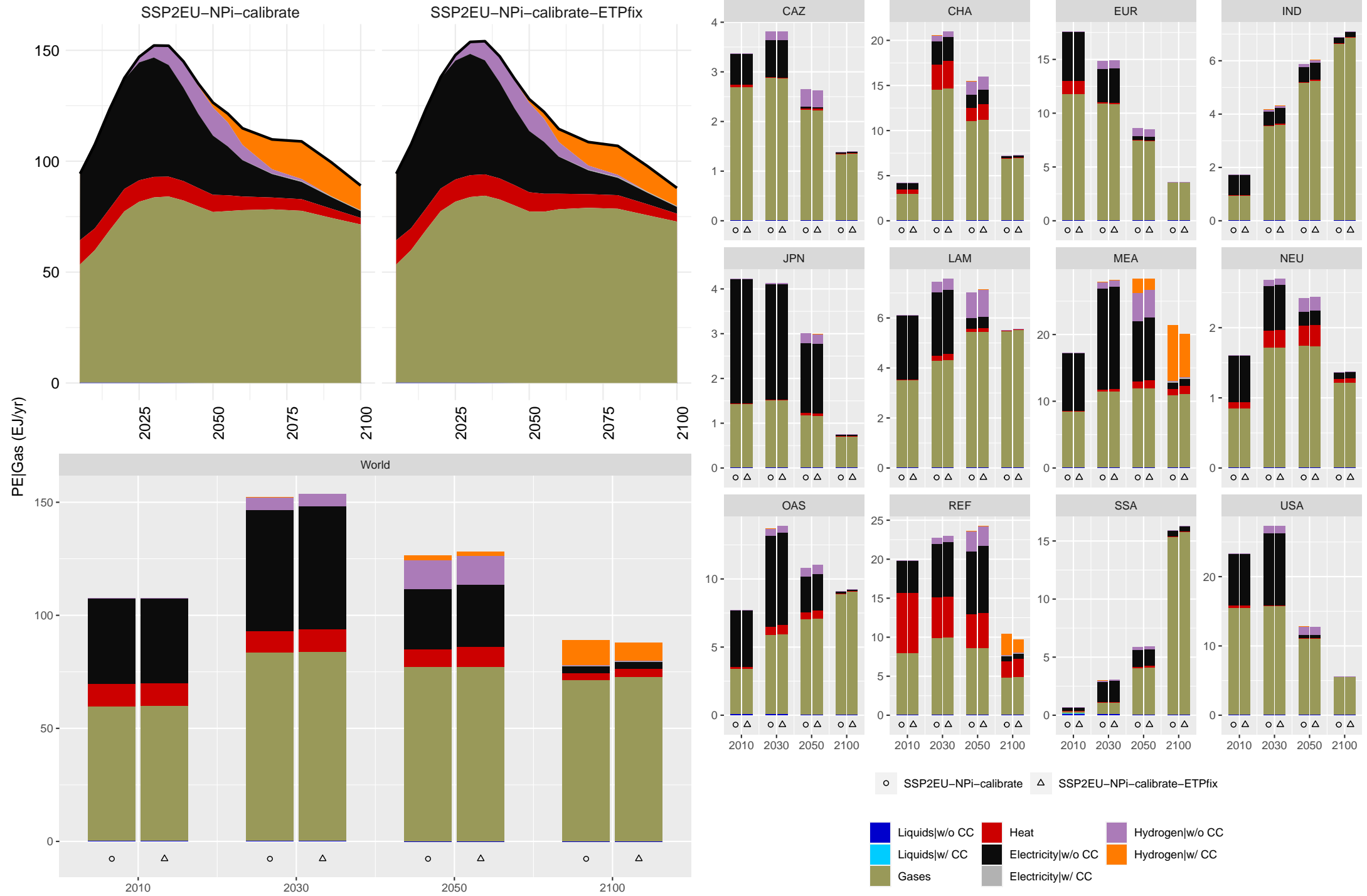
4.4 PE Mix

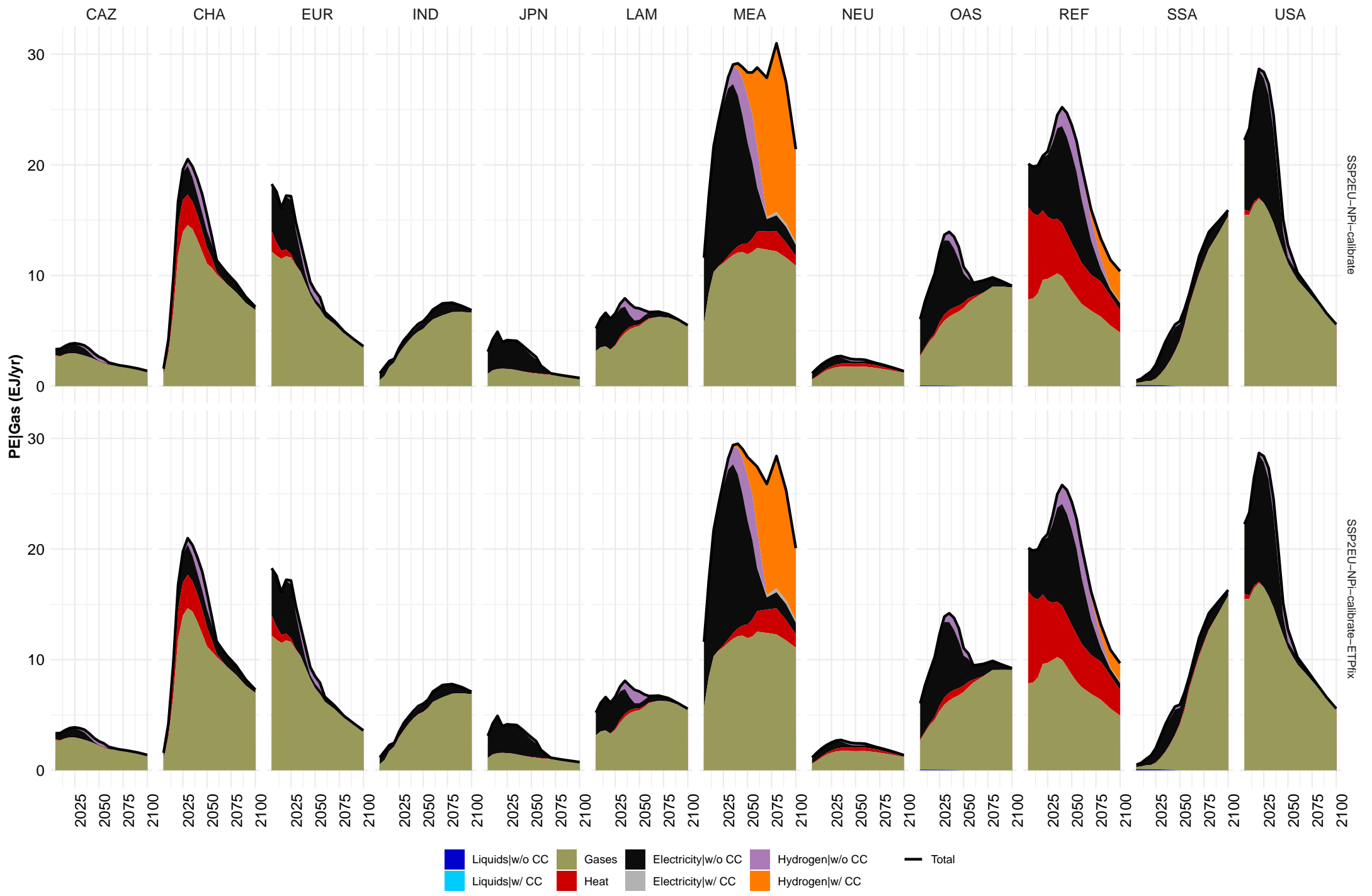
4.4.1 PE Coal



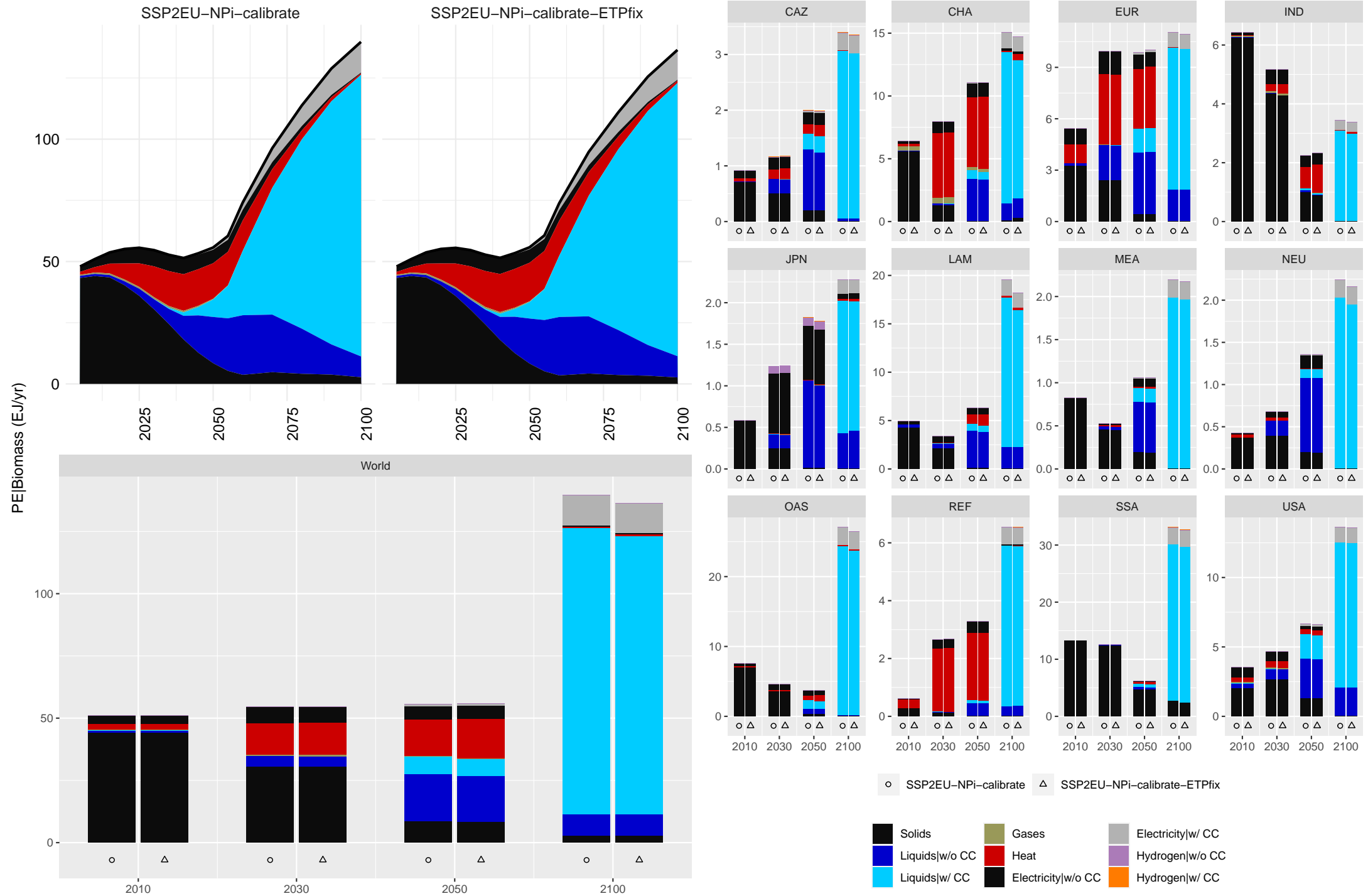


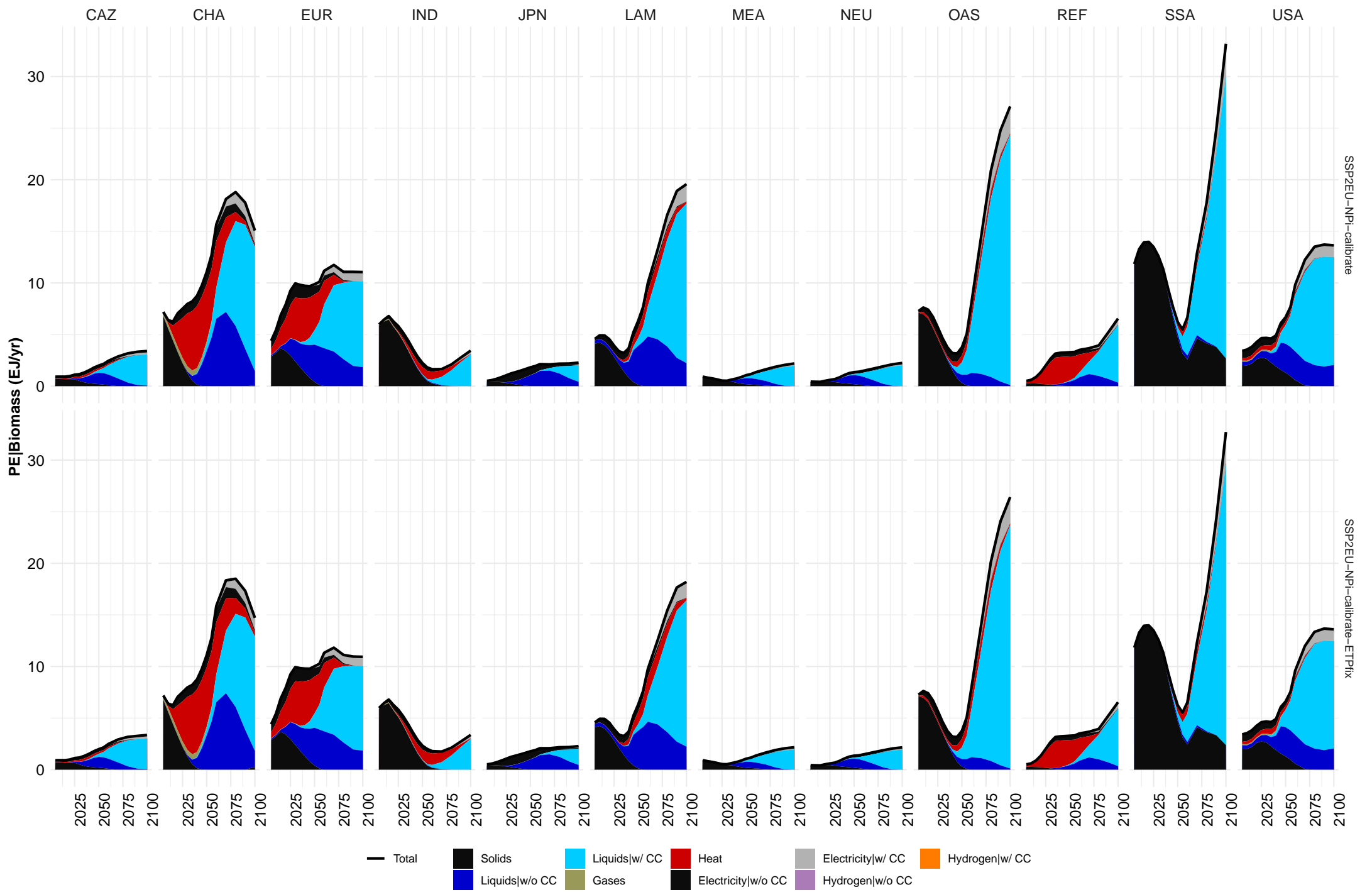
4.4.2 PE Gas



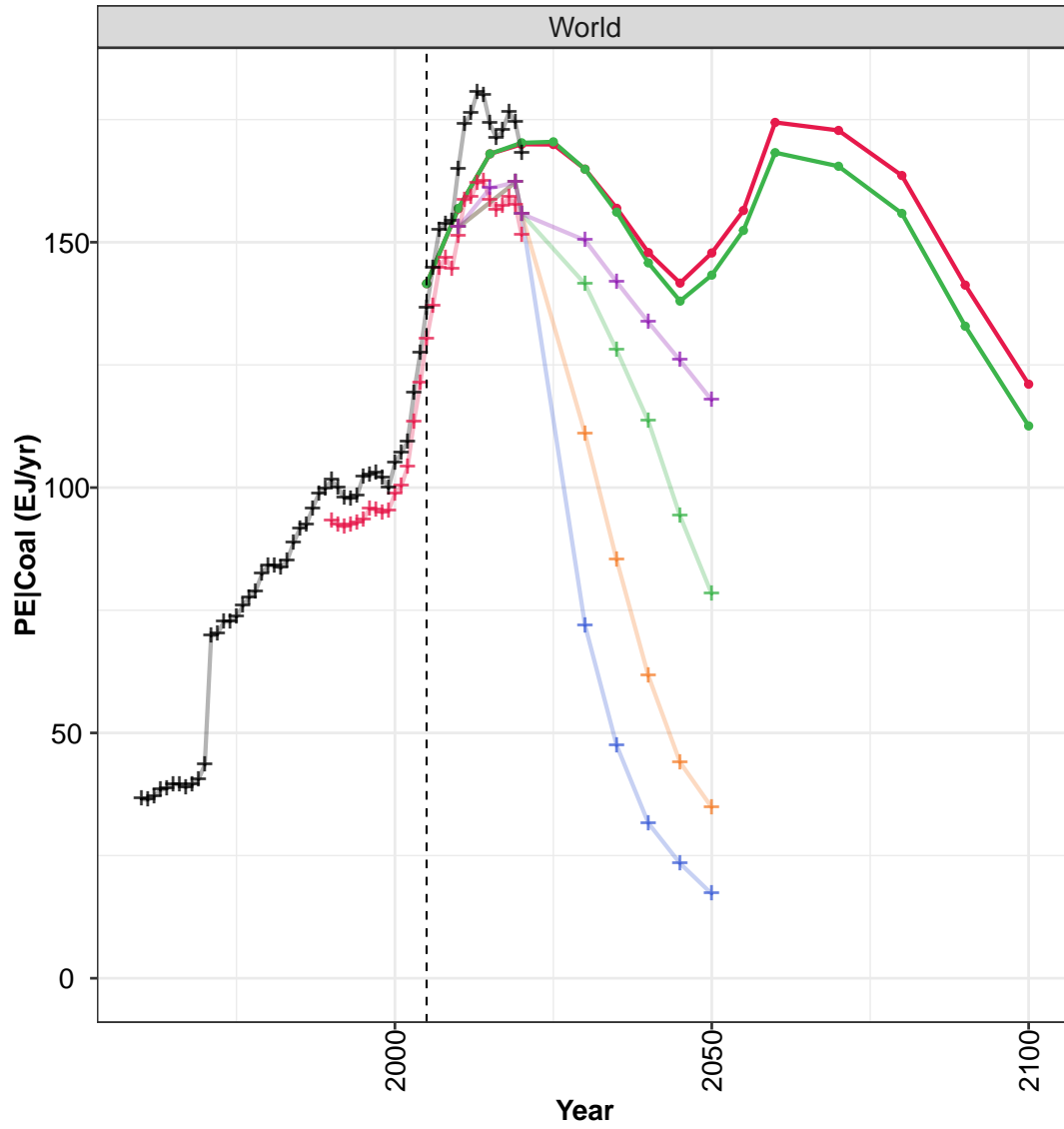


4.4.3 PE Biomass





4.5 Primary Energy line plots

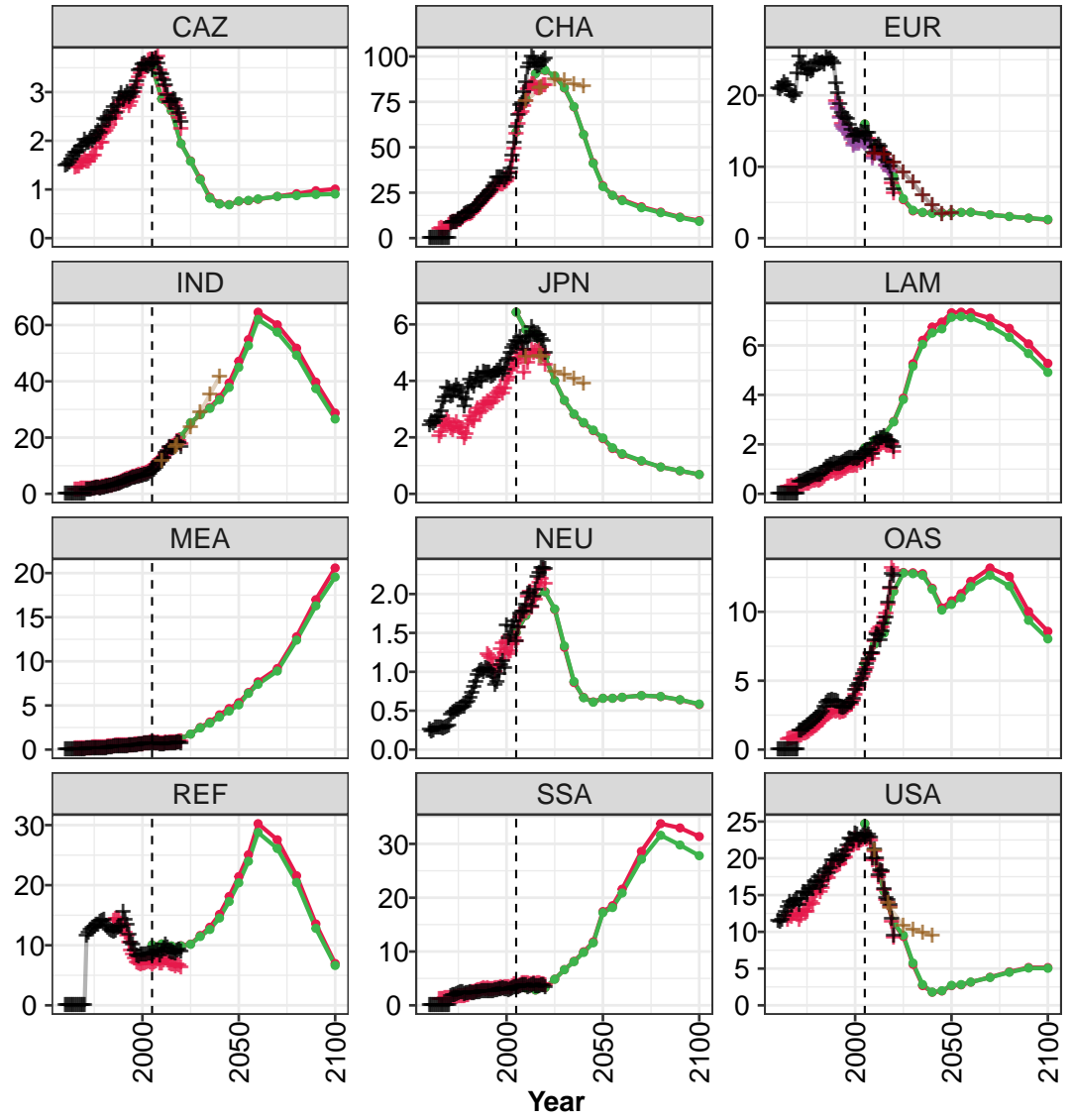


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + BP
- + IEA
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS

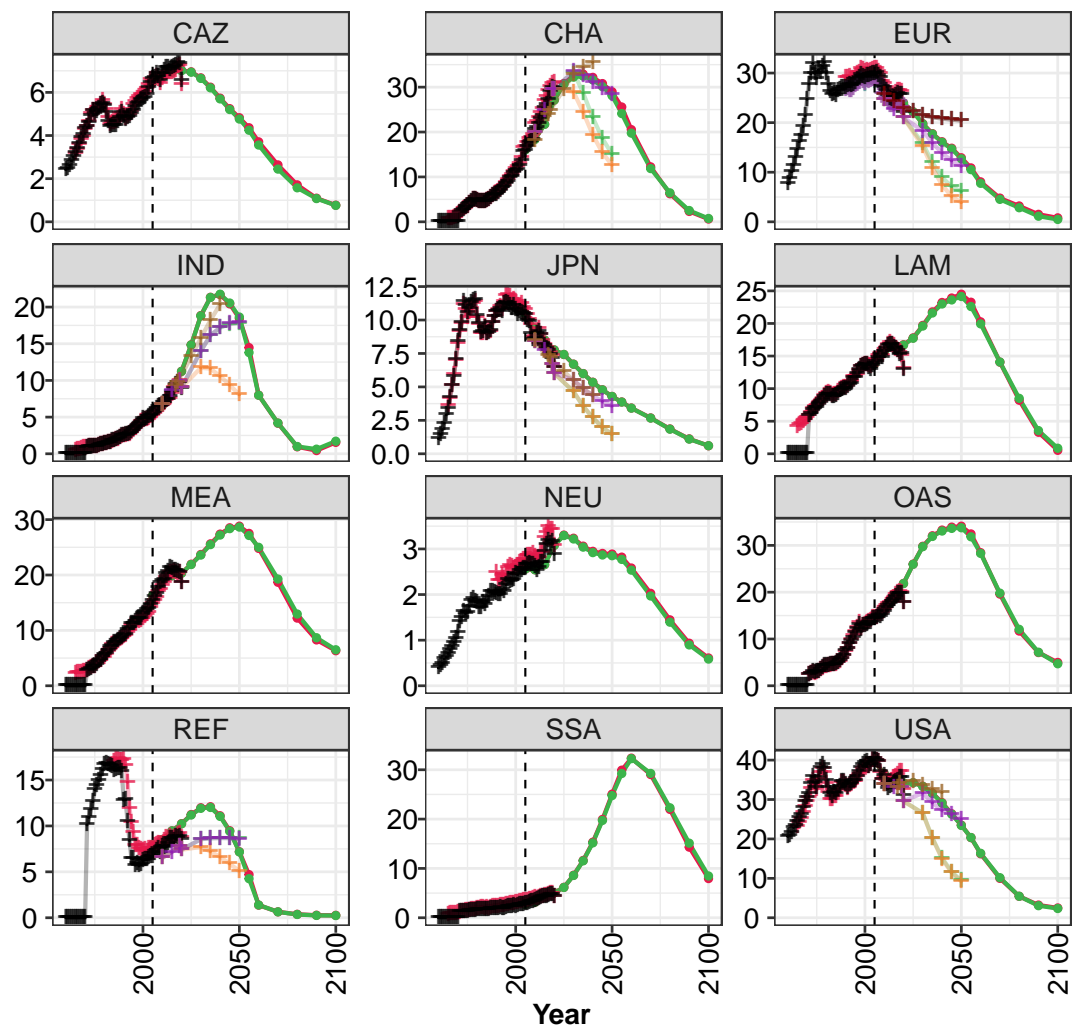
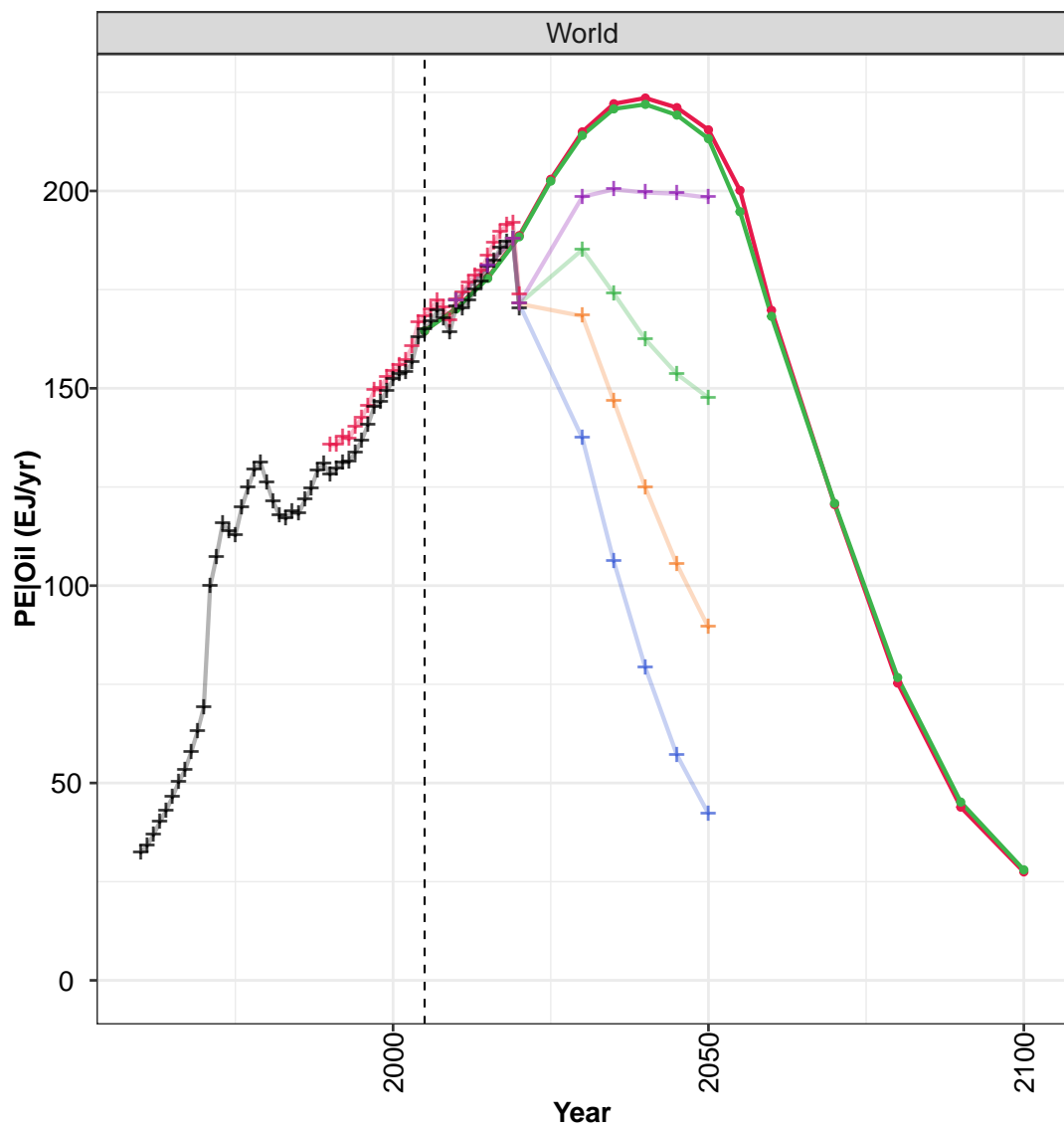


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + BP
- + EU_ReferenceScenario_2016
- + Eurostat
- + IEA
- + IEA_WEO
- + INNOPATHS



Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

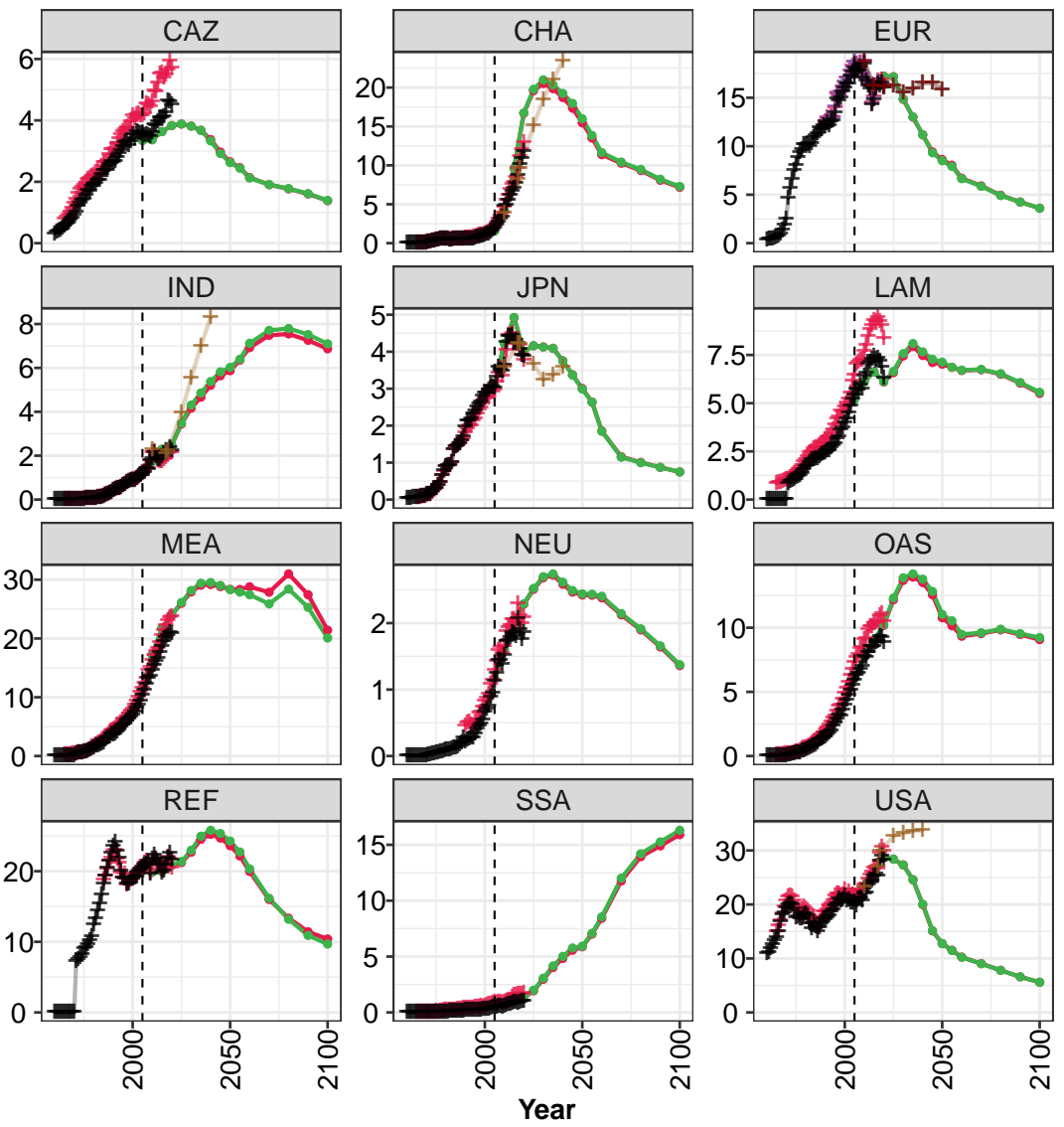
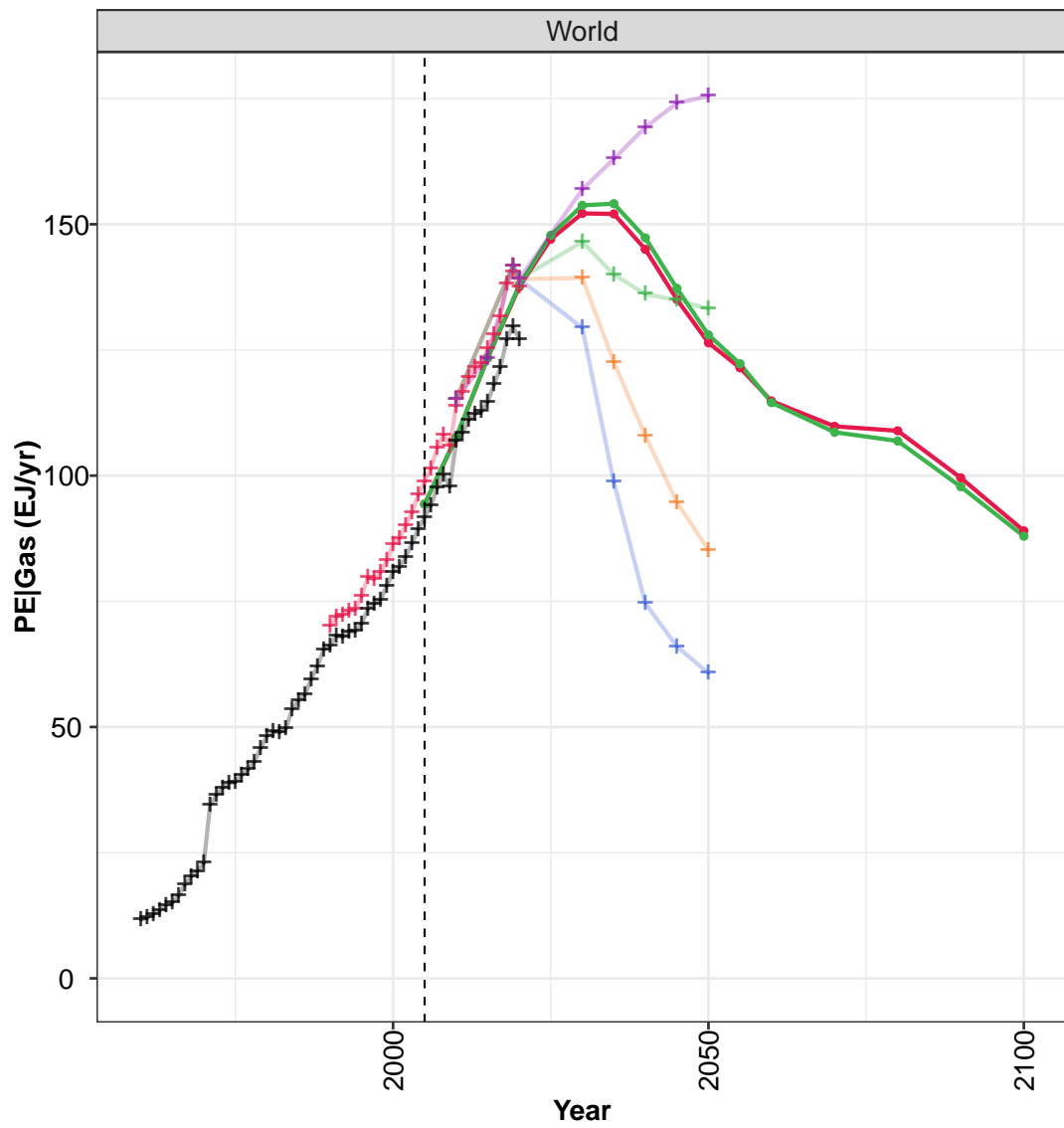
- + BP
- + IEA
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS

Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + BP
- + EU_ReferenceScenario_2016
- + Eurostat
- + IEA
- + IEA WEO 2021 APS
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS
- + IEA_WEO
- + INNOPATHS



Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

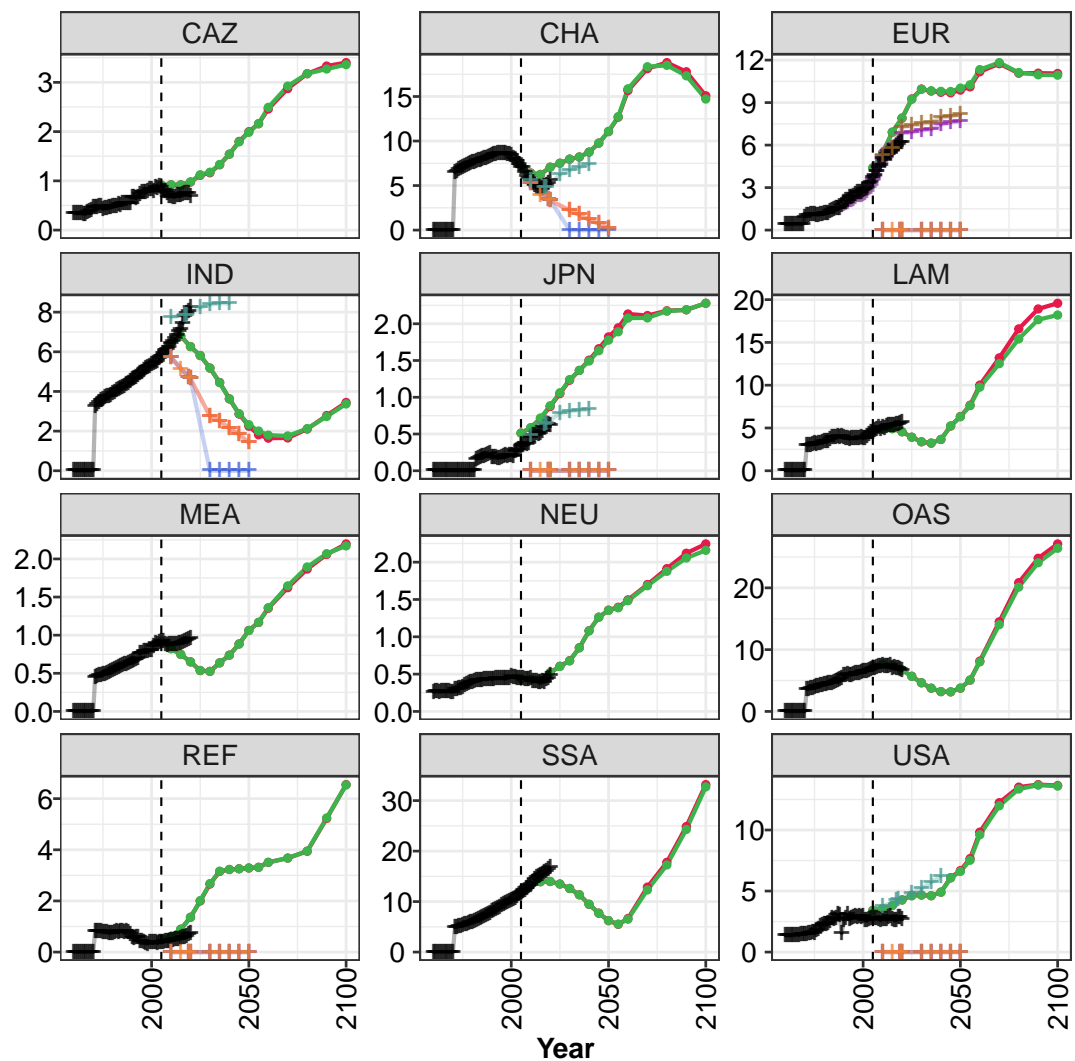
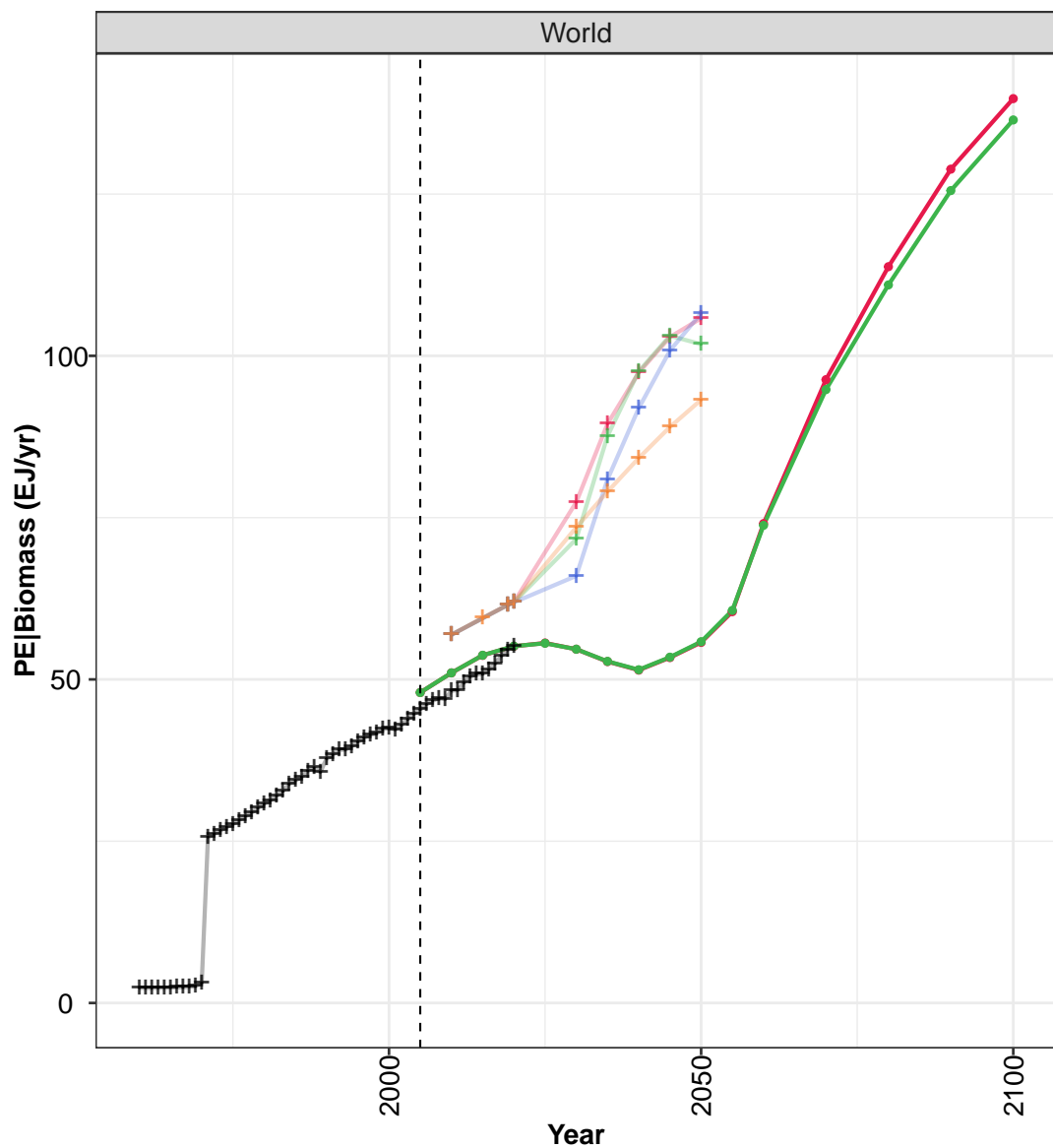
- + BP
- + IEA
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS

Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + BP
- + EU_ReferenceScenario_2016
- + Eurostat
- + IEA
- + IEA_WEO
- + INNOPATHS



Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

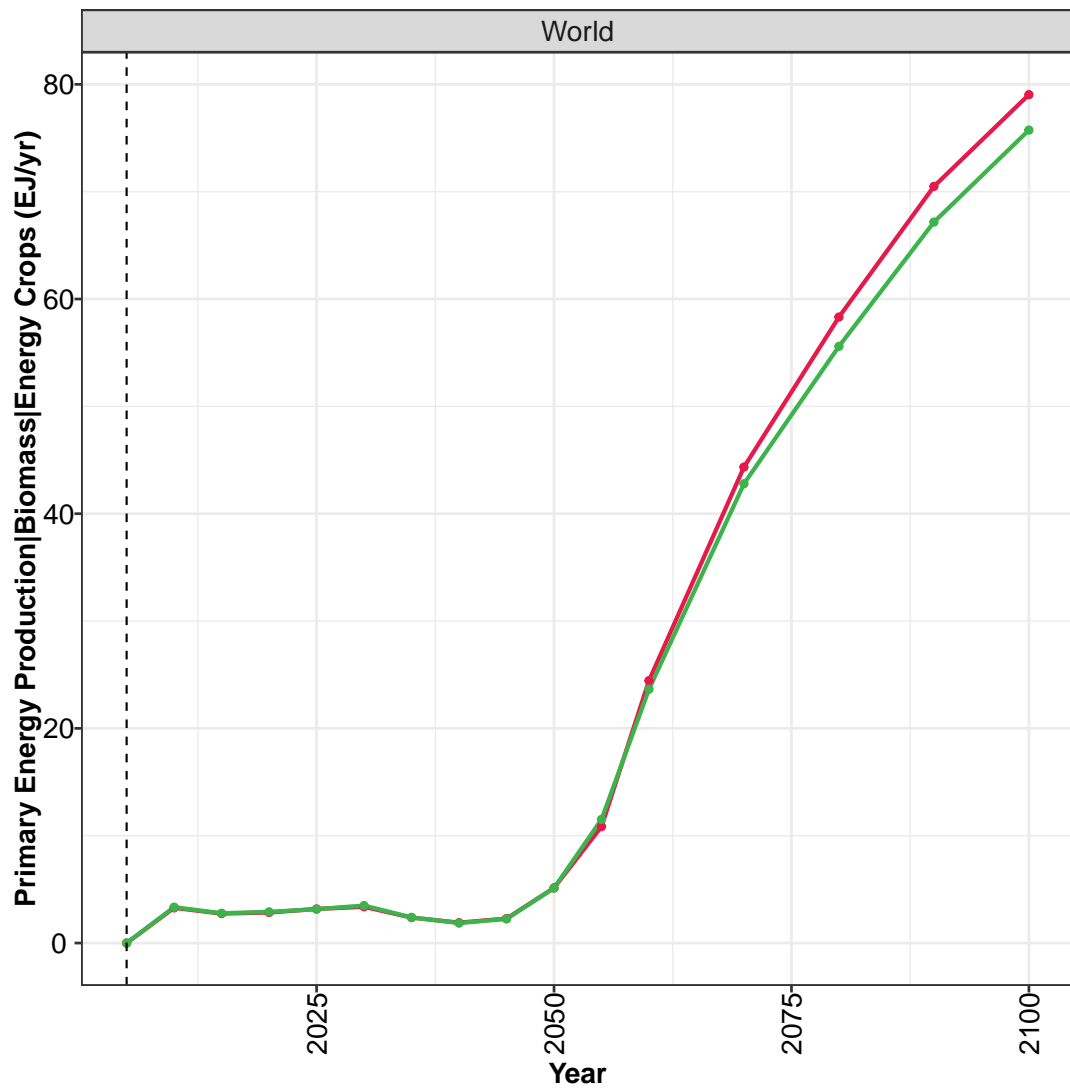
- + IEA
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS

Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

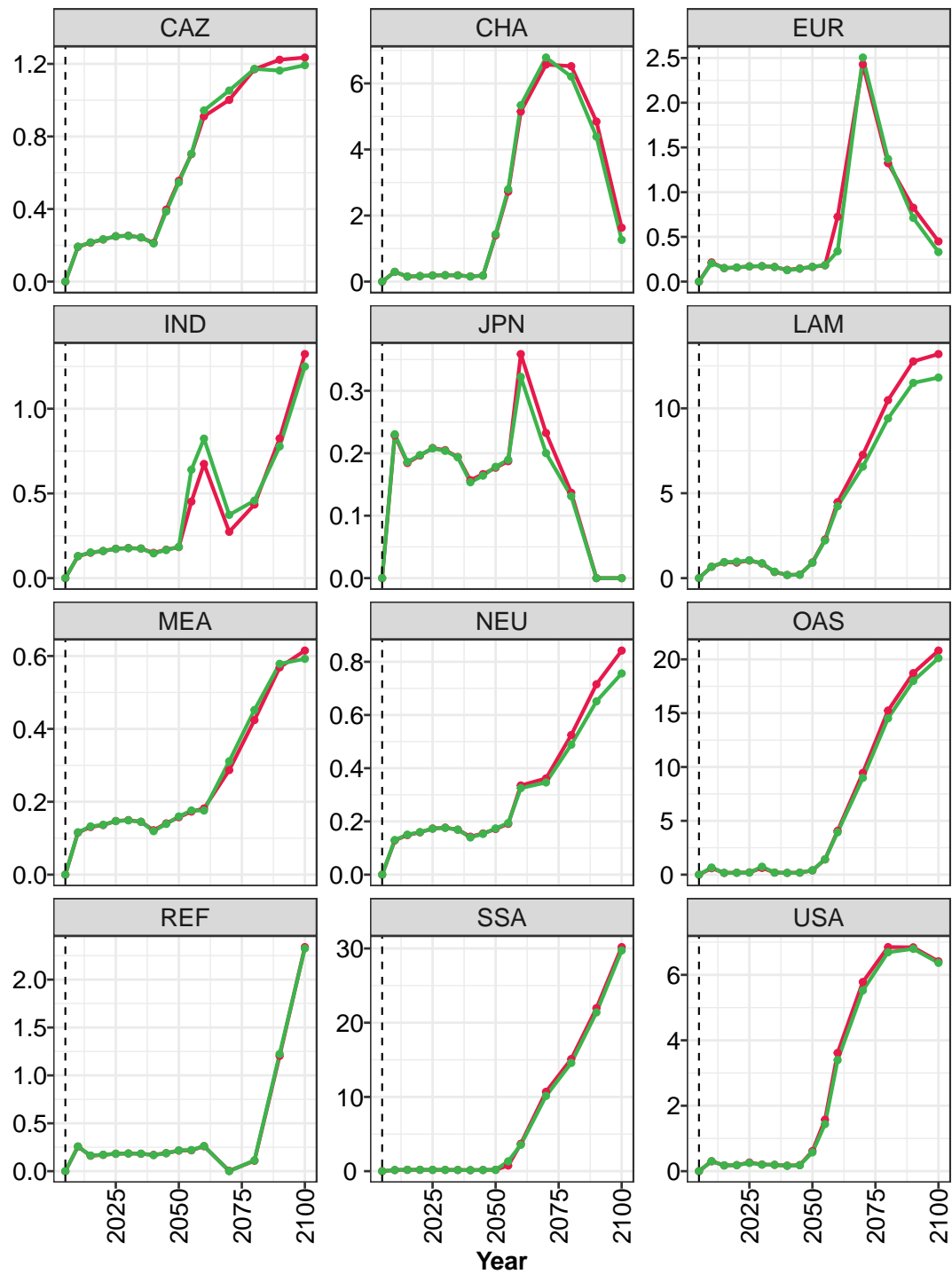
Historical data

- + EU_ReferenceScenario_2016
- + Eurostat
- + IEA
- + IEA WEO 2021 APS
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS
- + IEA_WEO
- + INNOPATHS

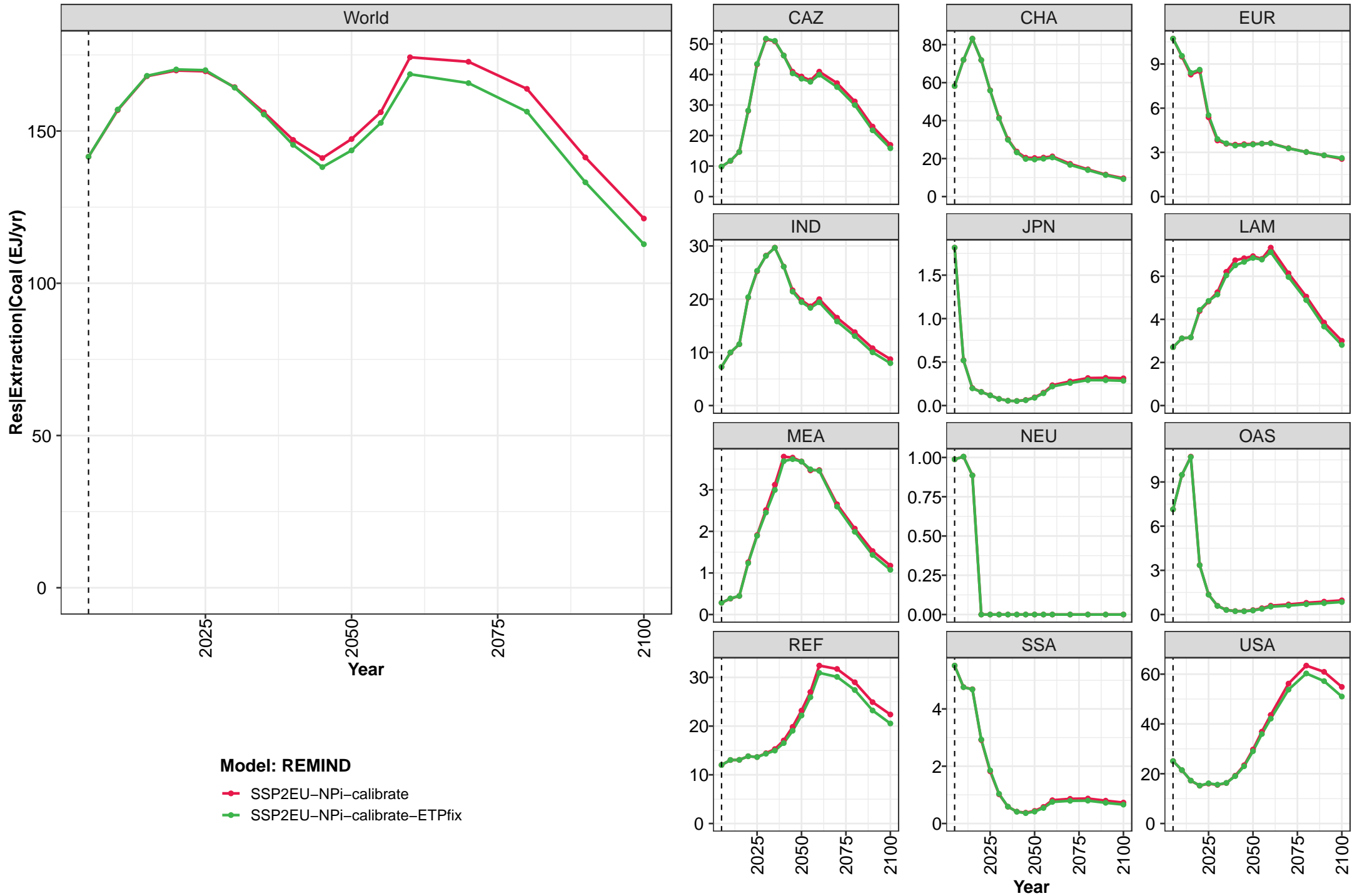


Model: REMIND

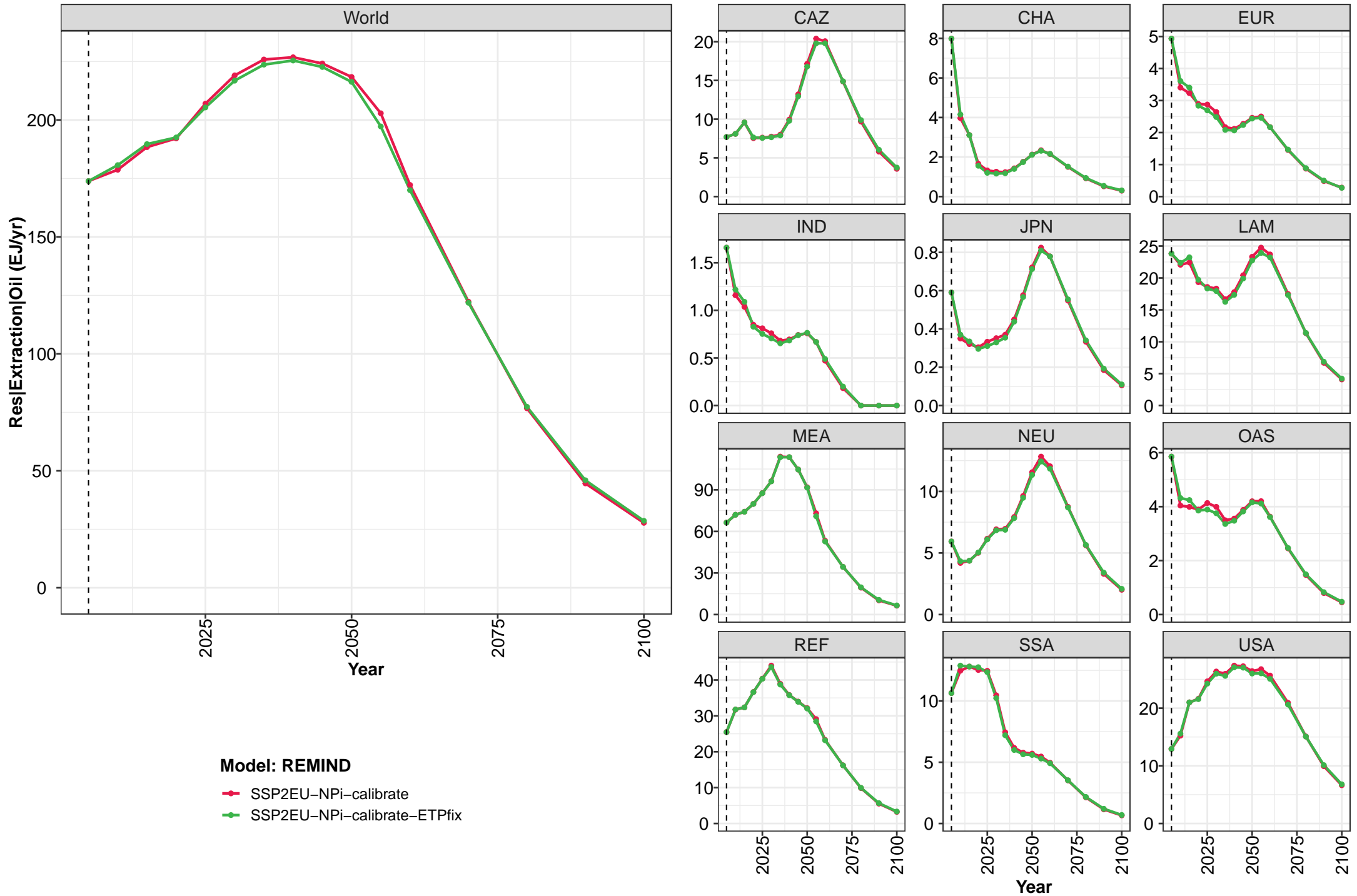
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



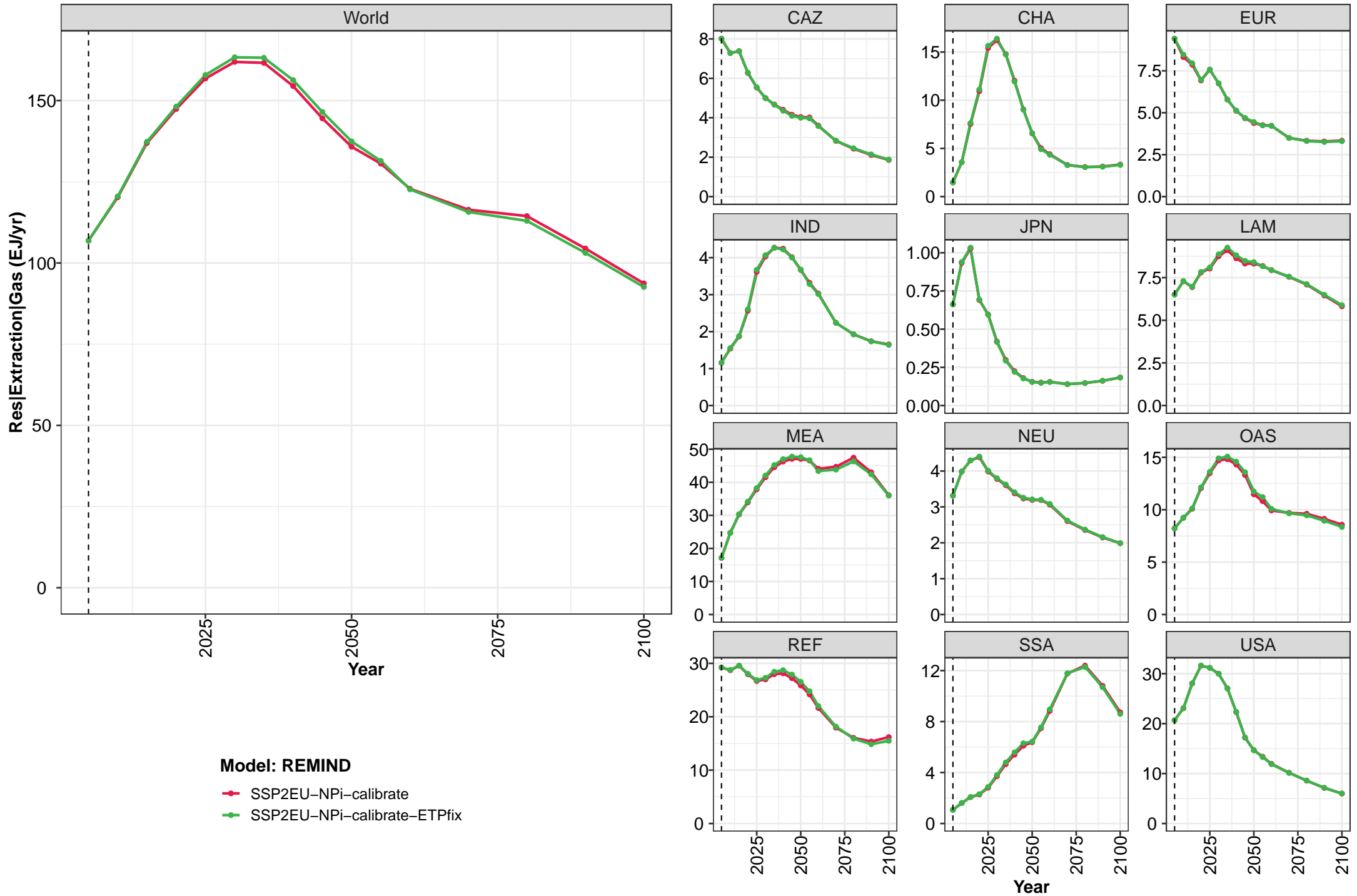
4.5.1 PE Coal Extraction



4.5.2 PE Oil Extraction

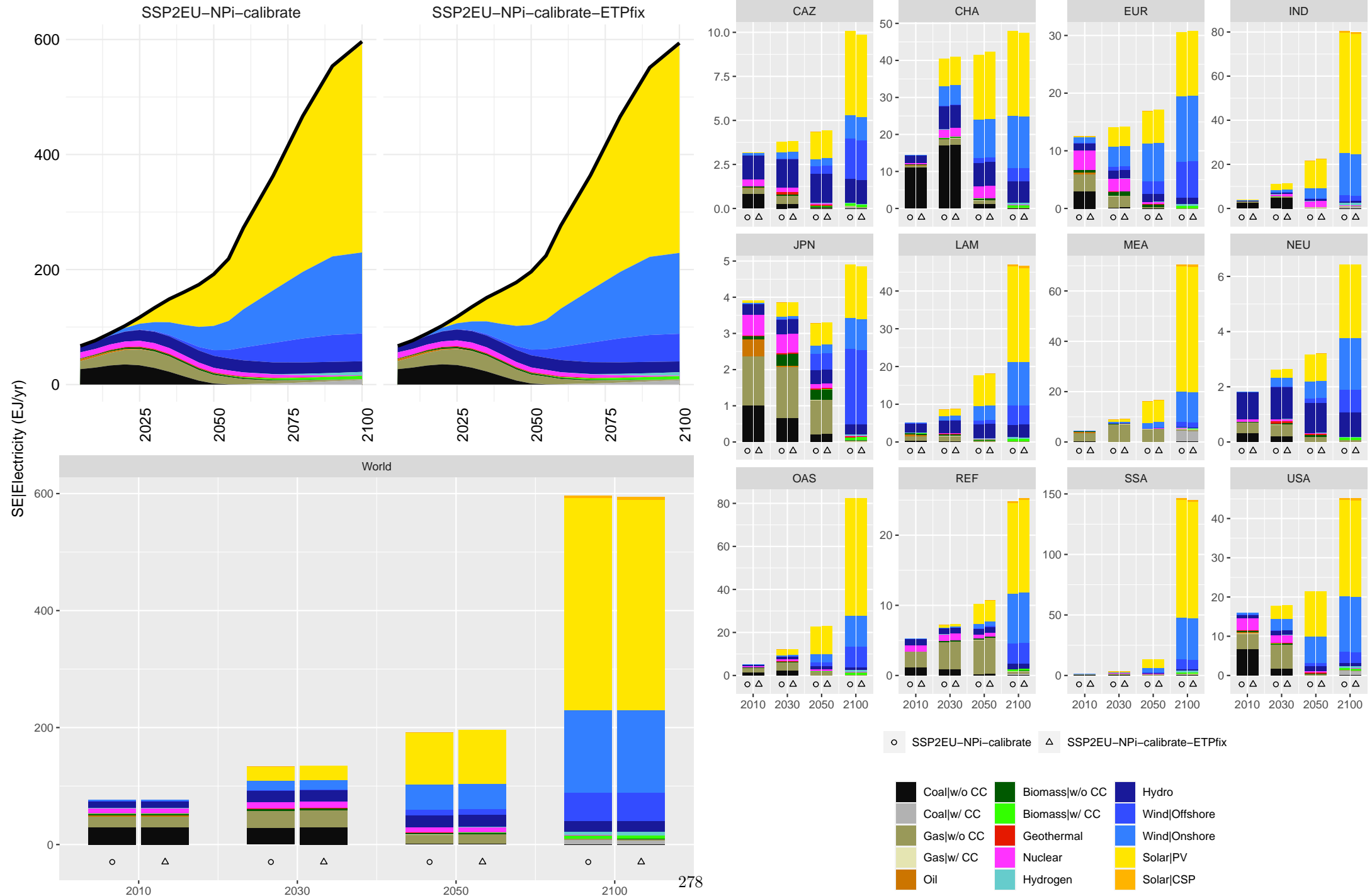


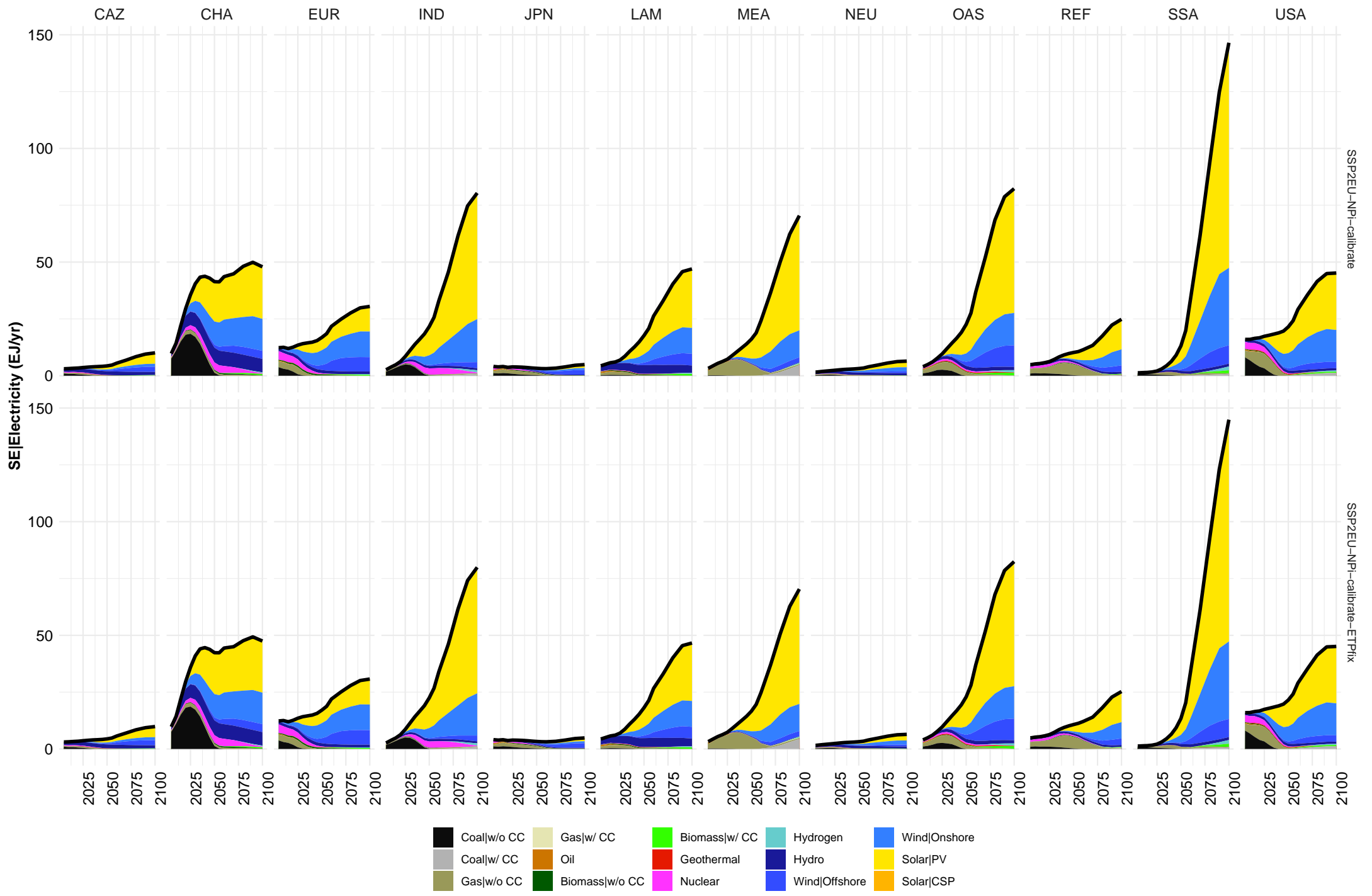
4.5.3 PE Gas Extraction



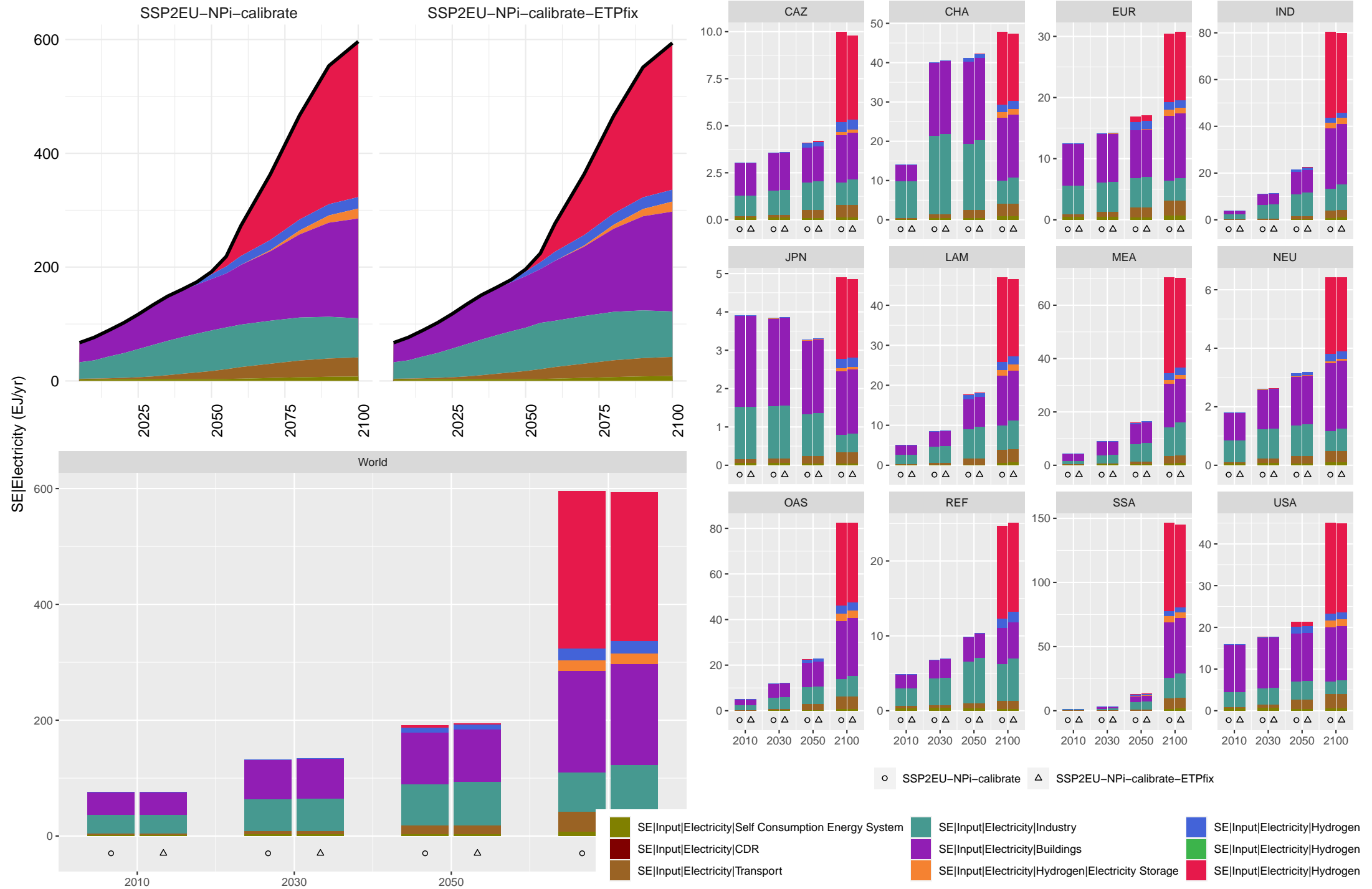
4.6 Secondary Energy Mixes

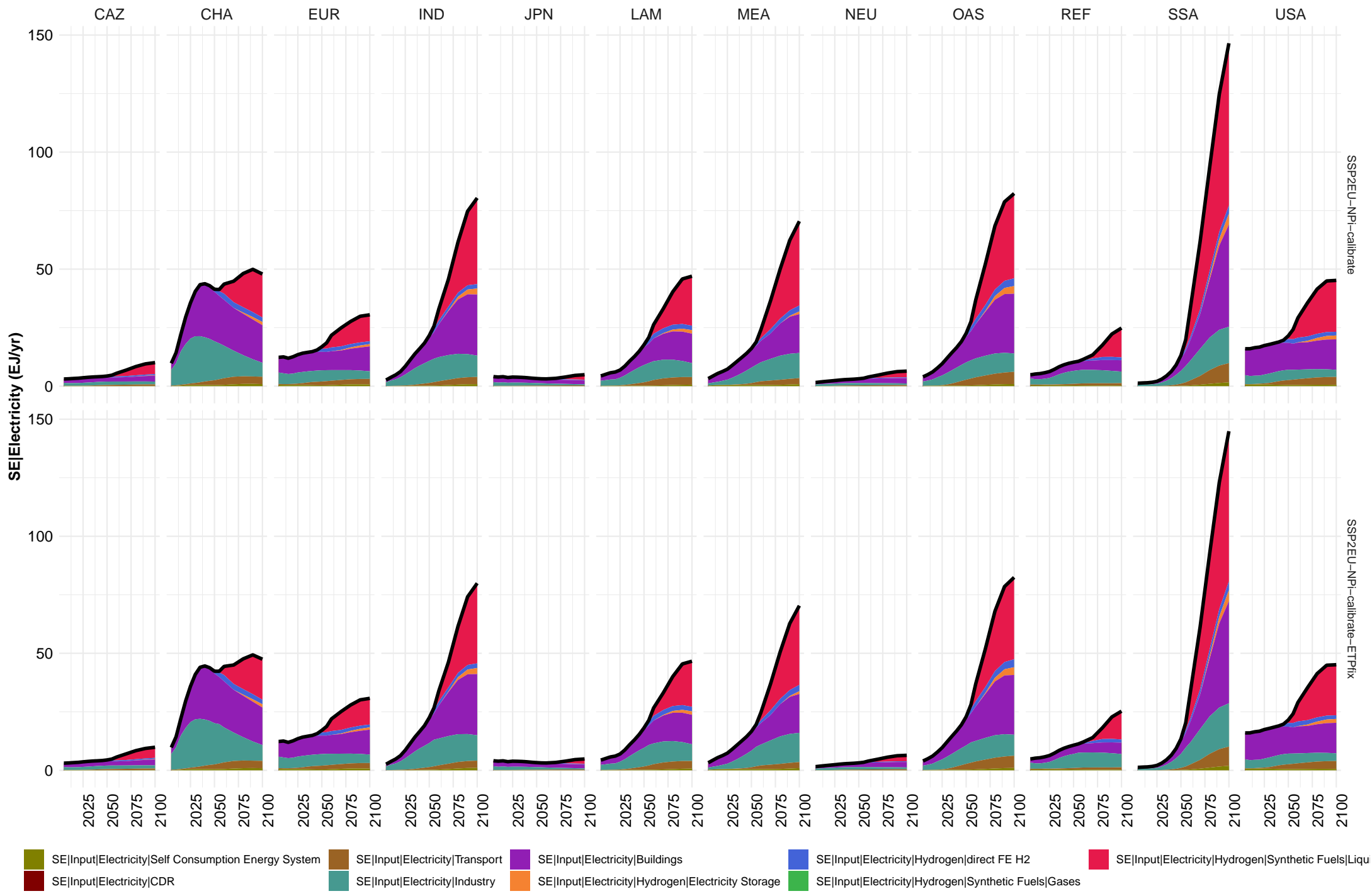
4.6.1 SE Electricity



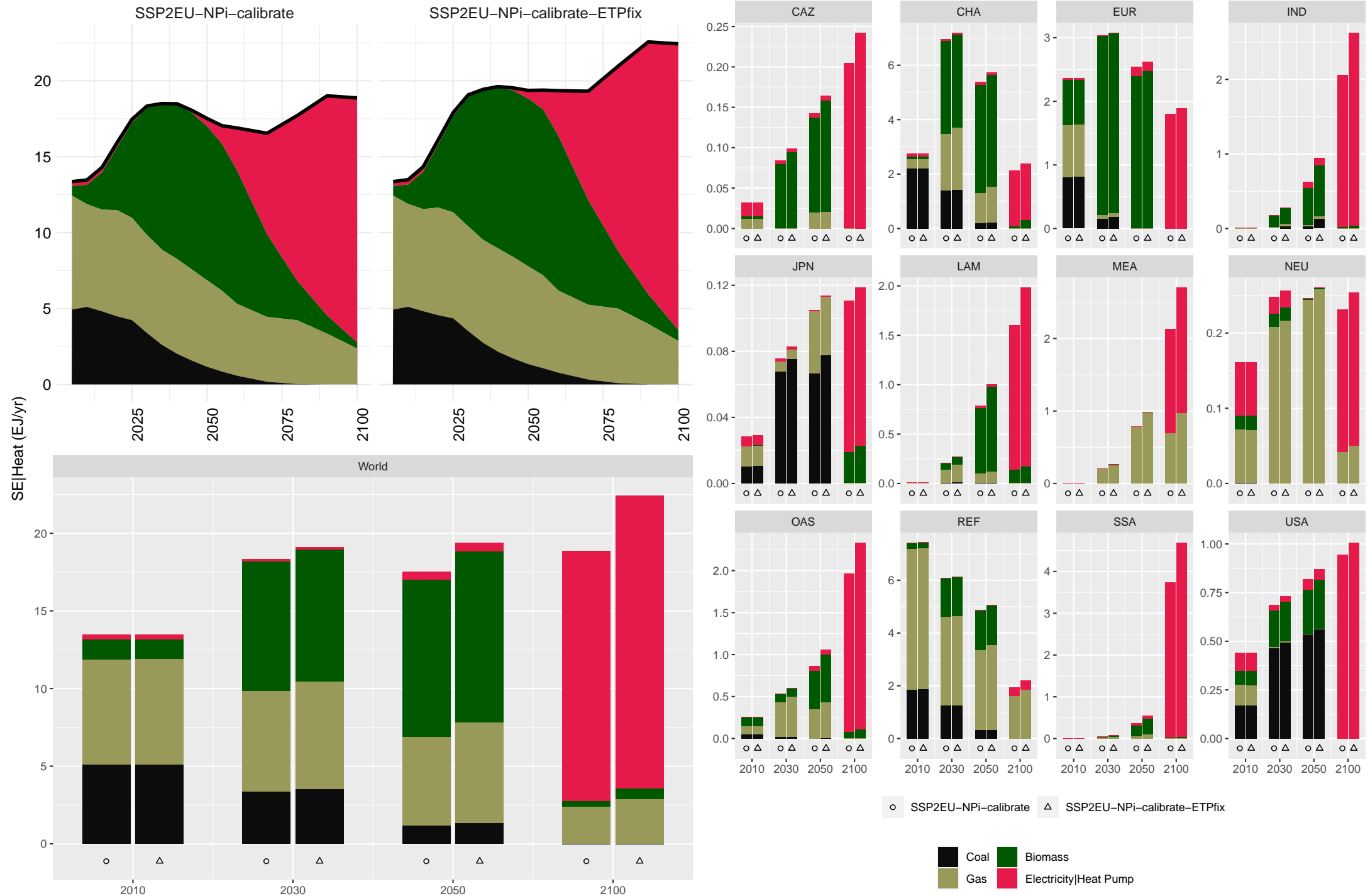


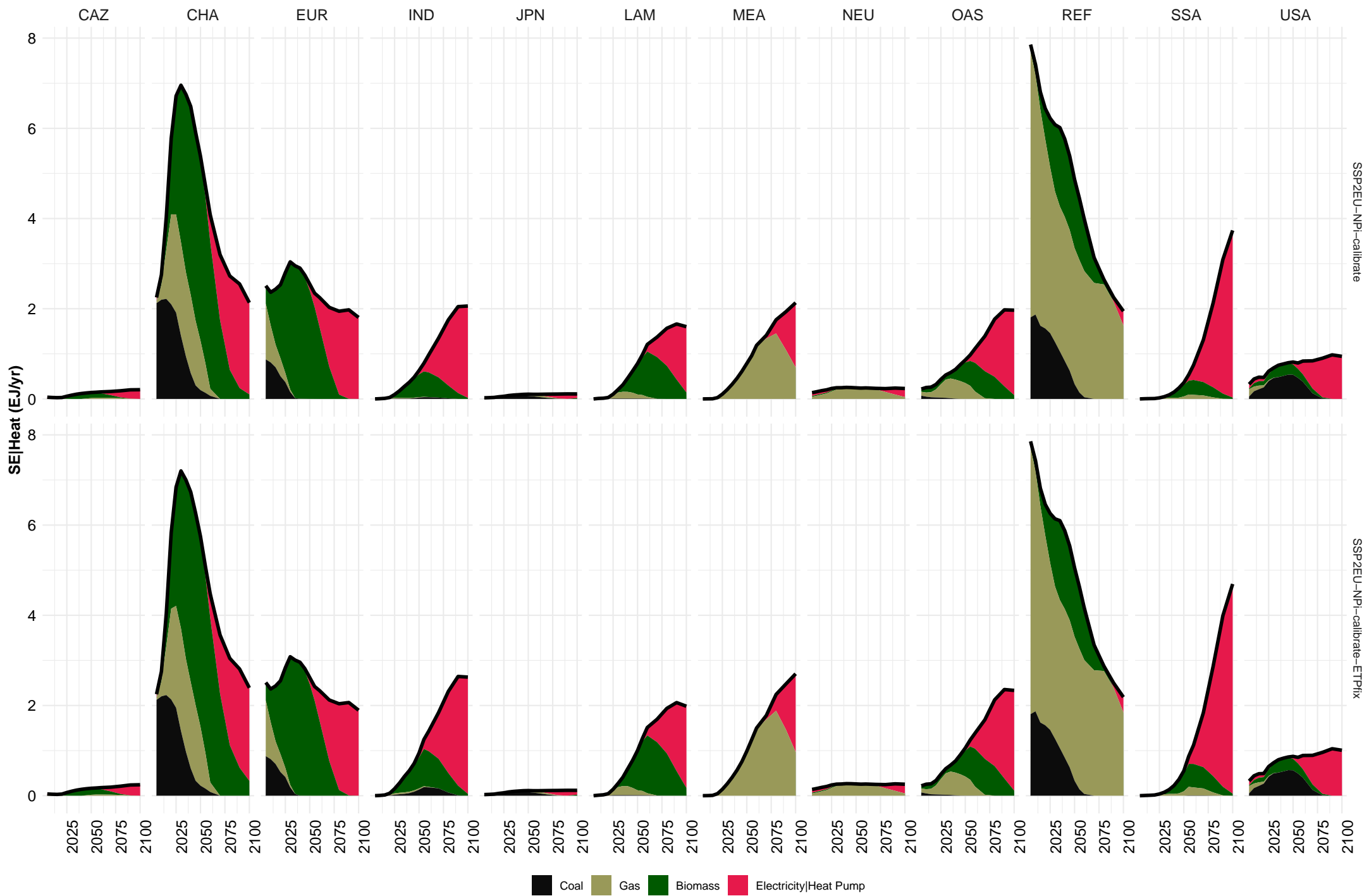
4.6.2 SE Electricity - Usage



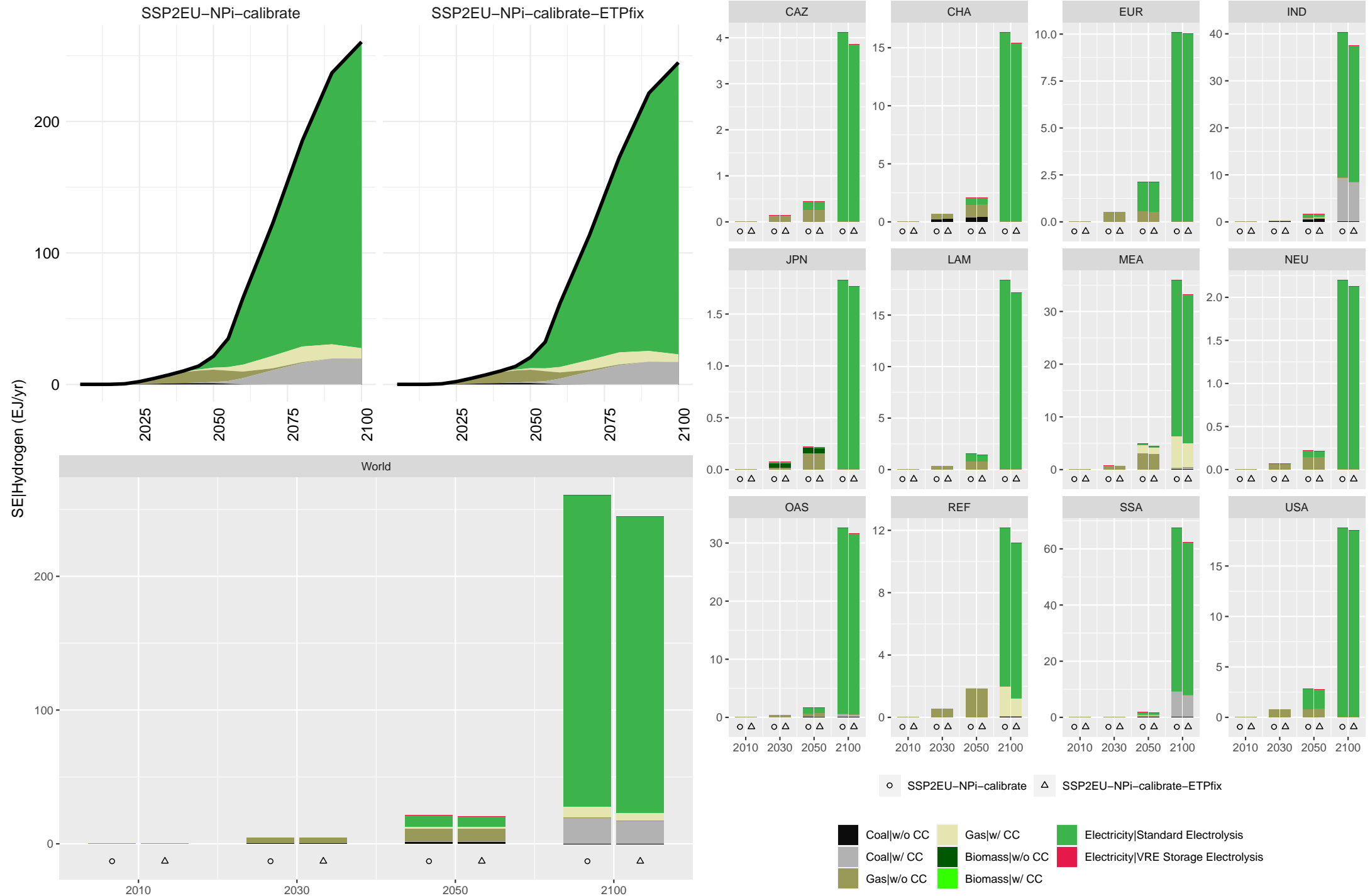


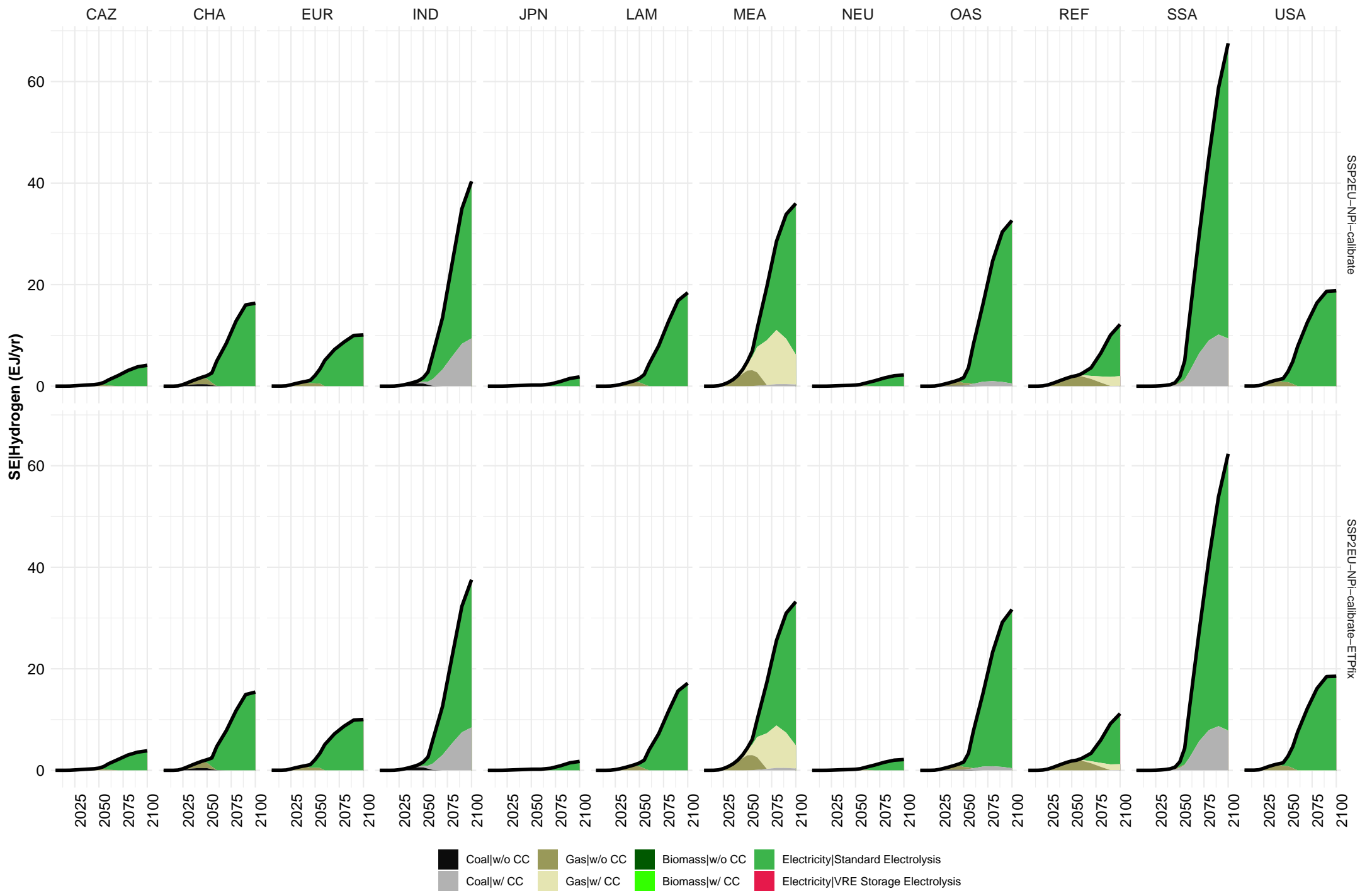
4.6.3 SE Heat



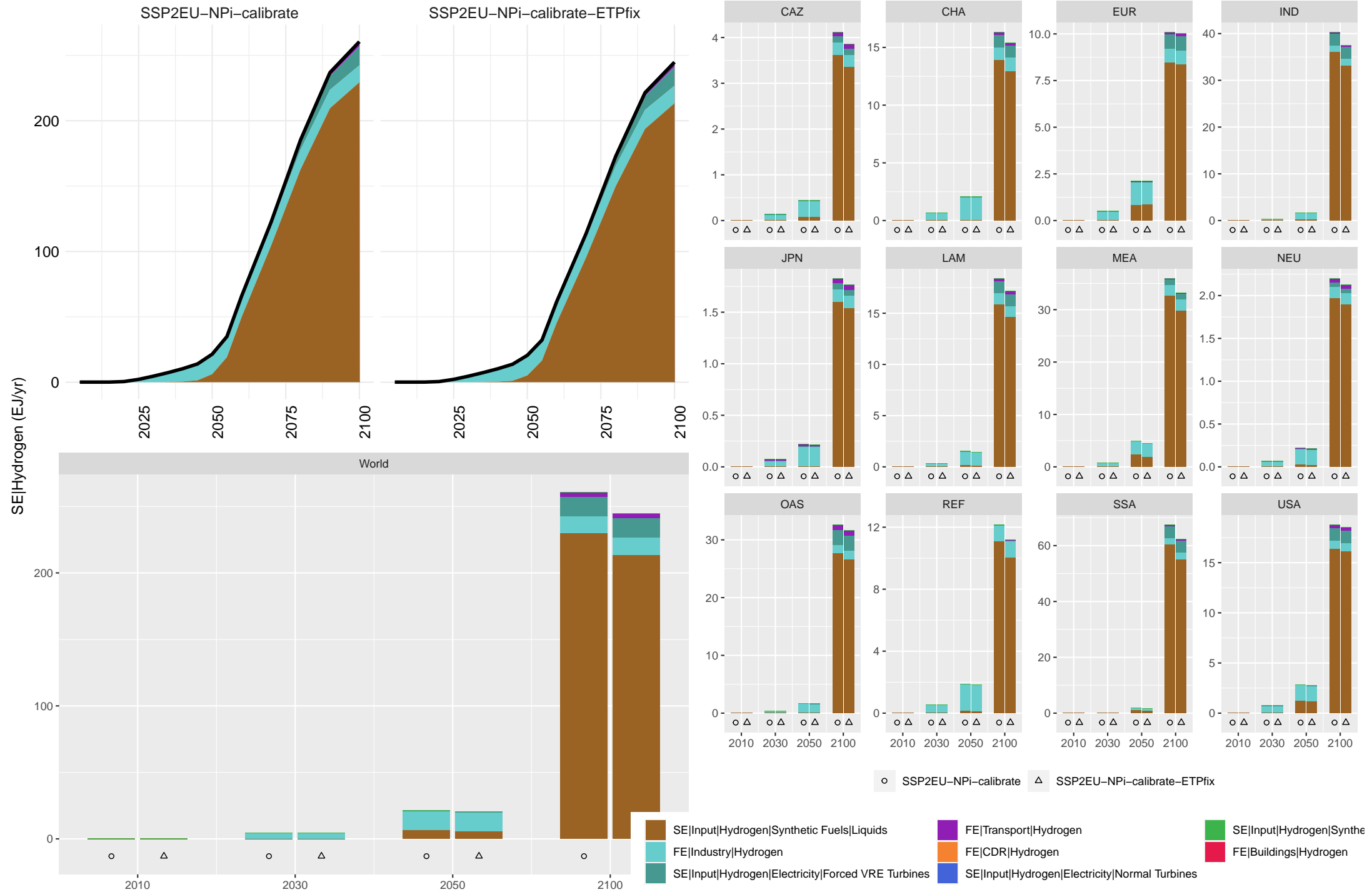


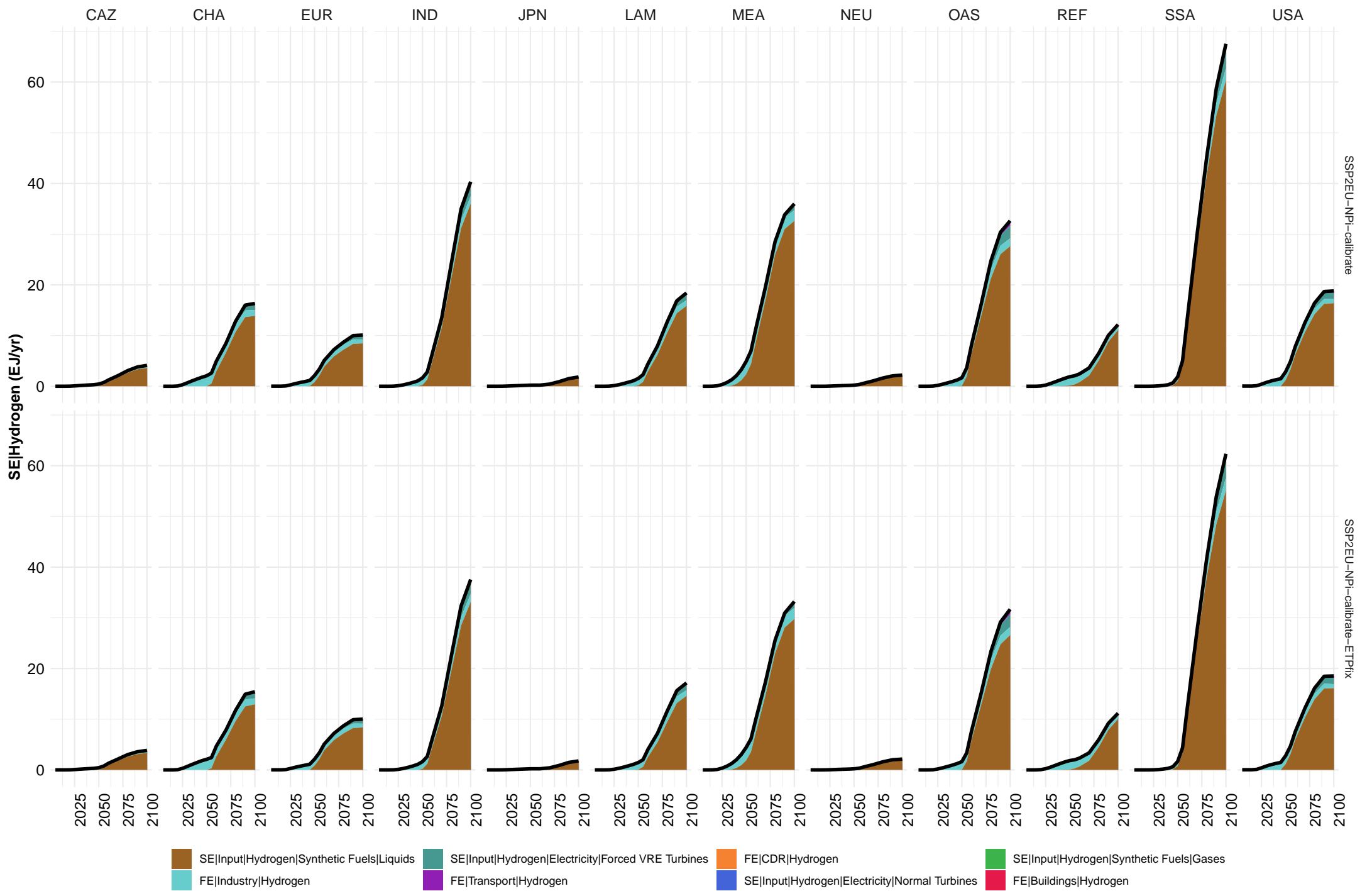
4.6.4 SE Hydrogen



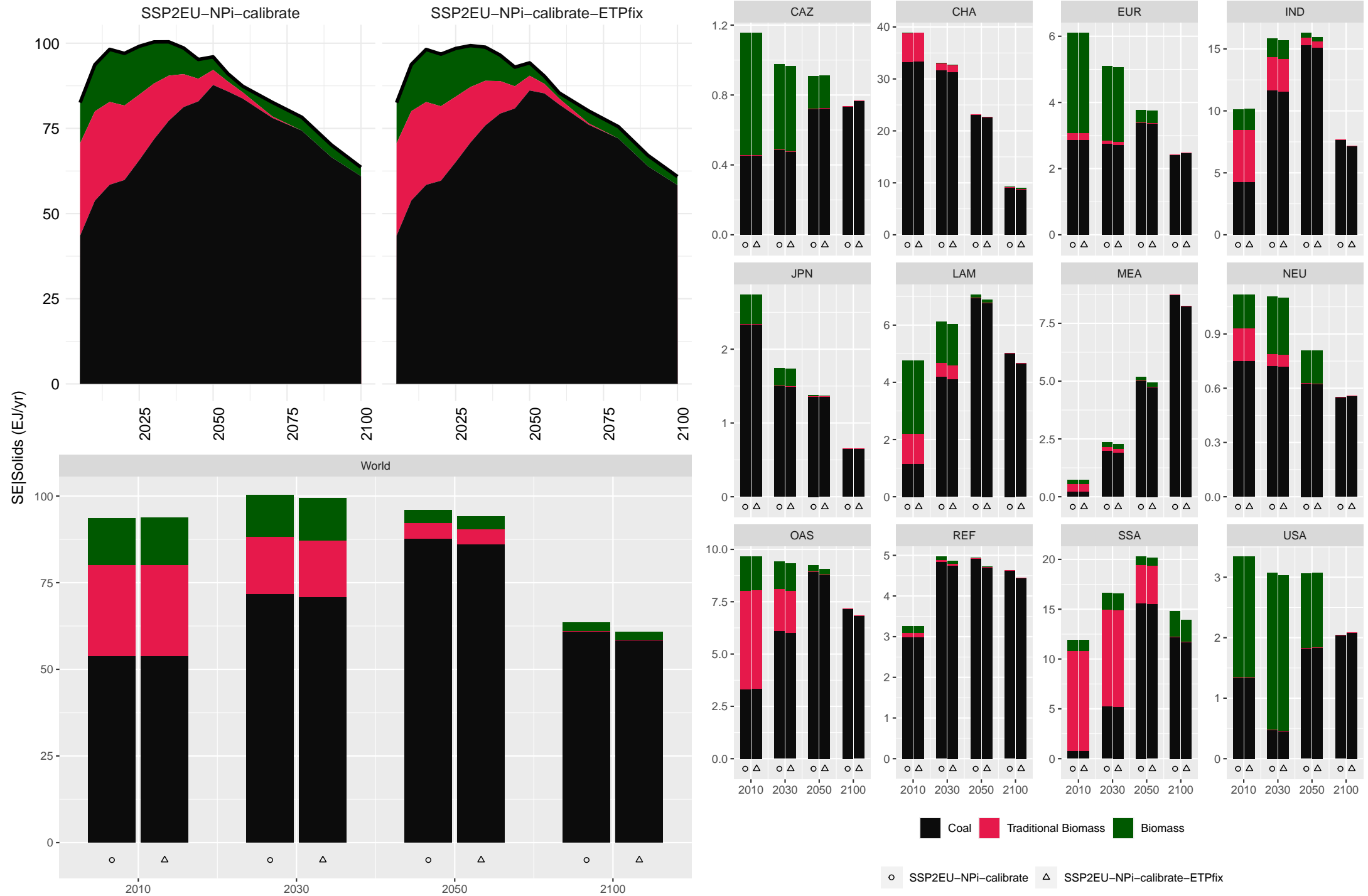


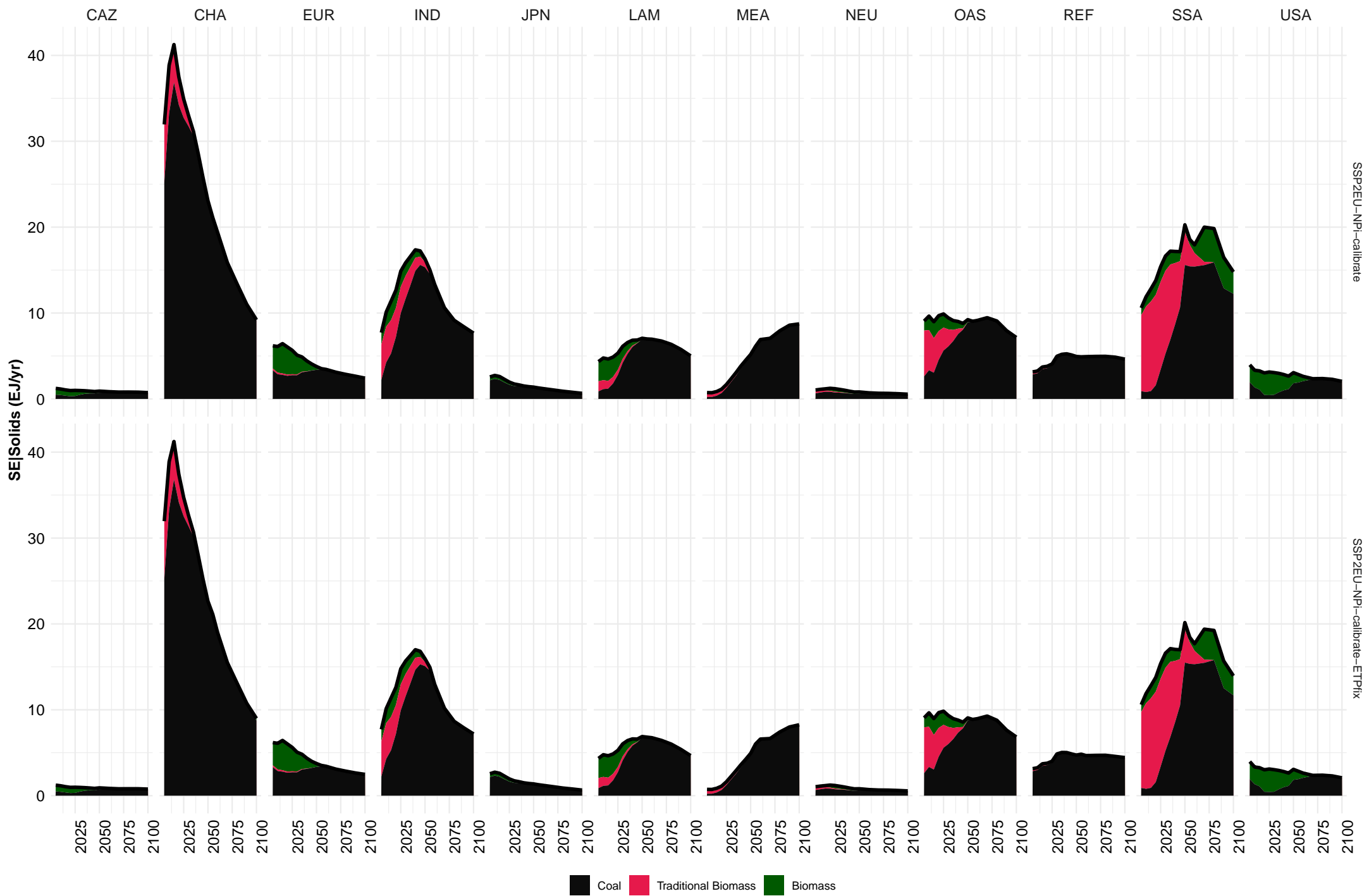
4.6.5 SE Hydrogen - Usage



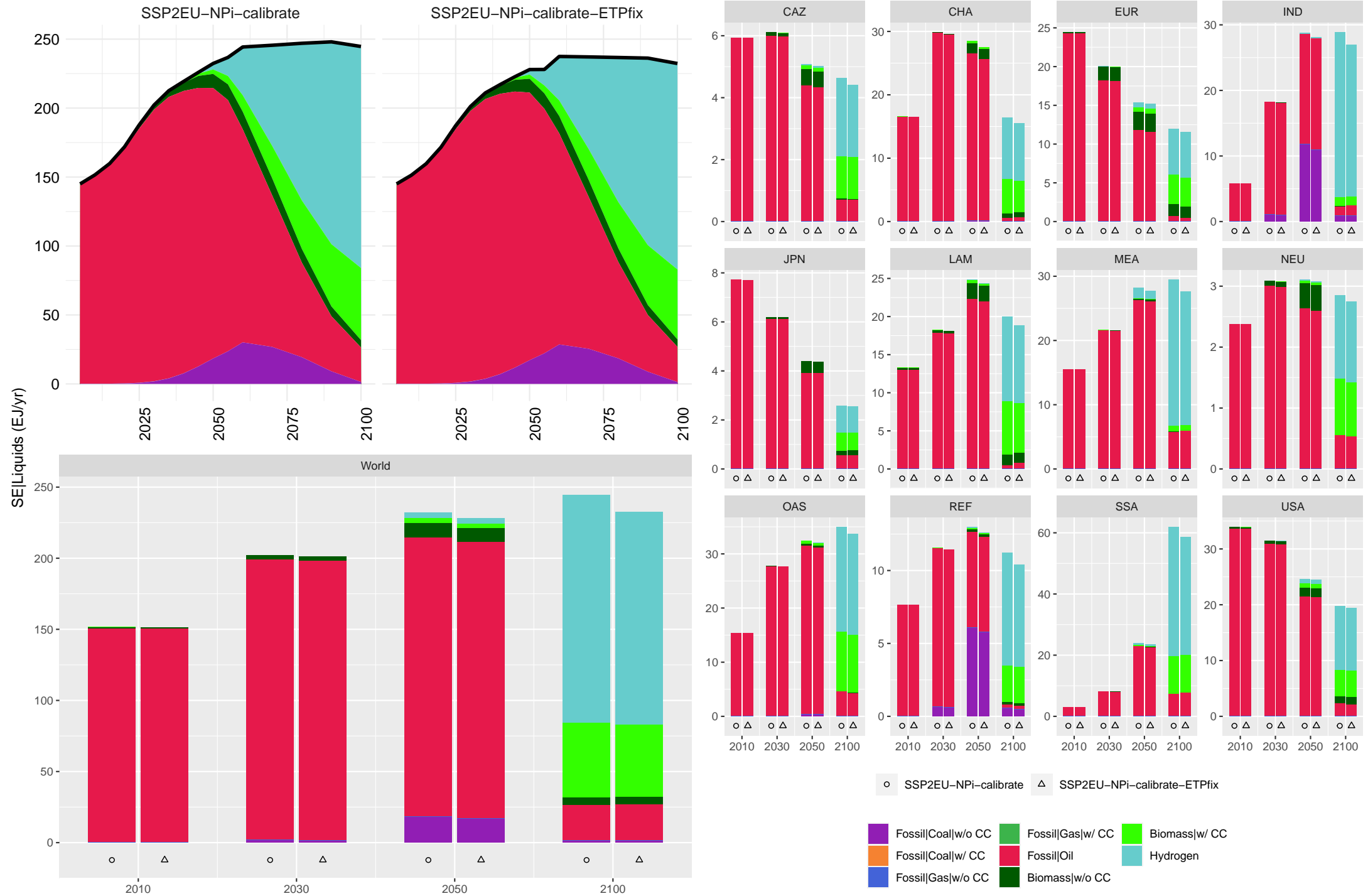


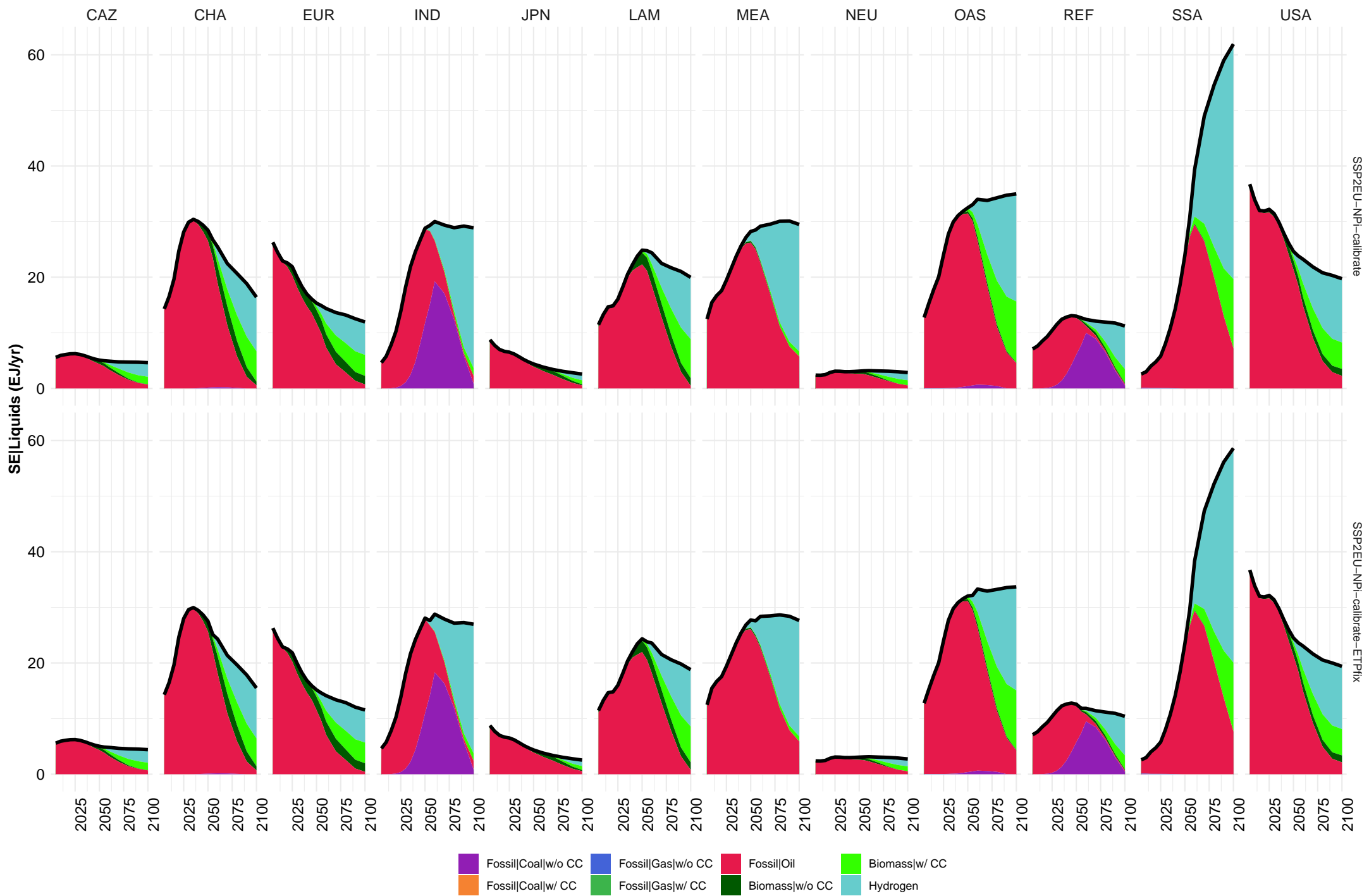
4.6.6 SE Solids



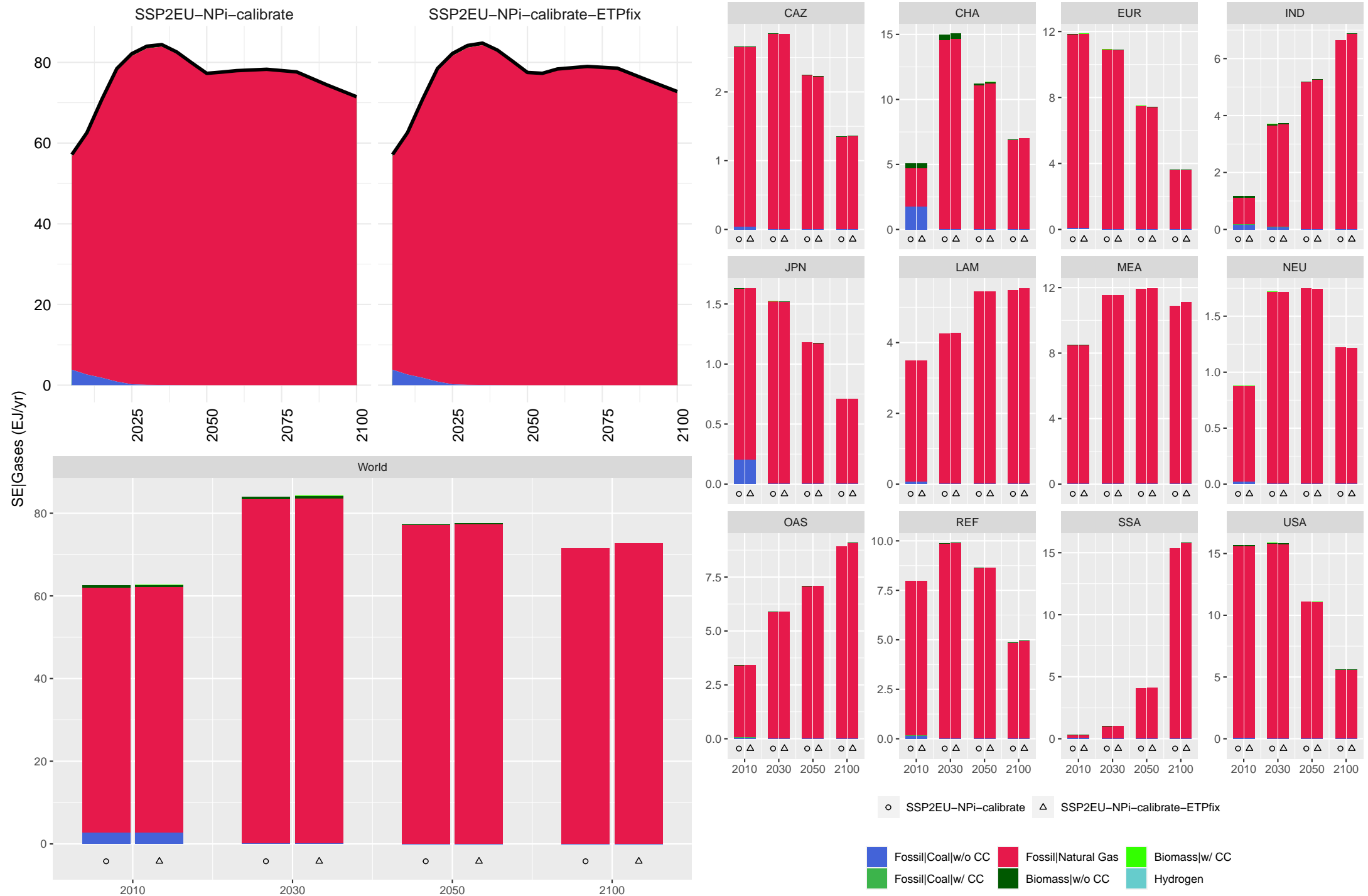


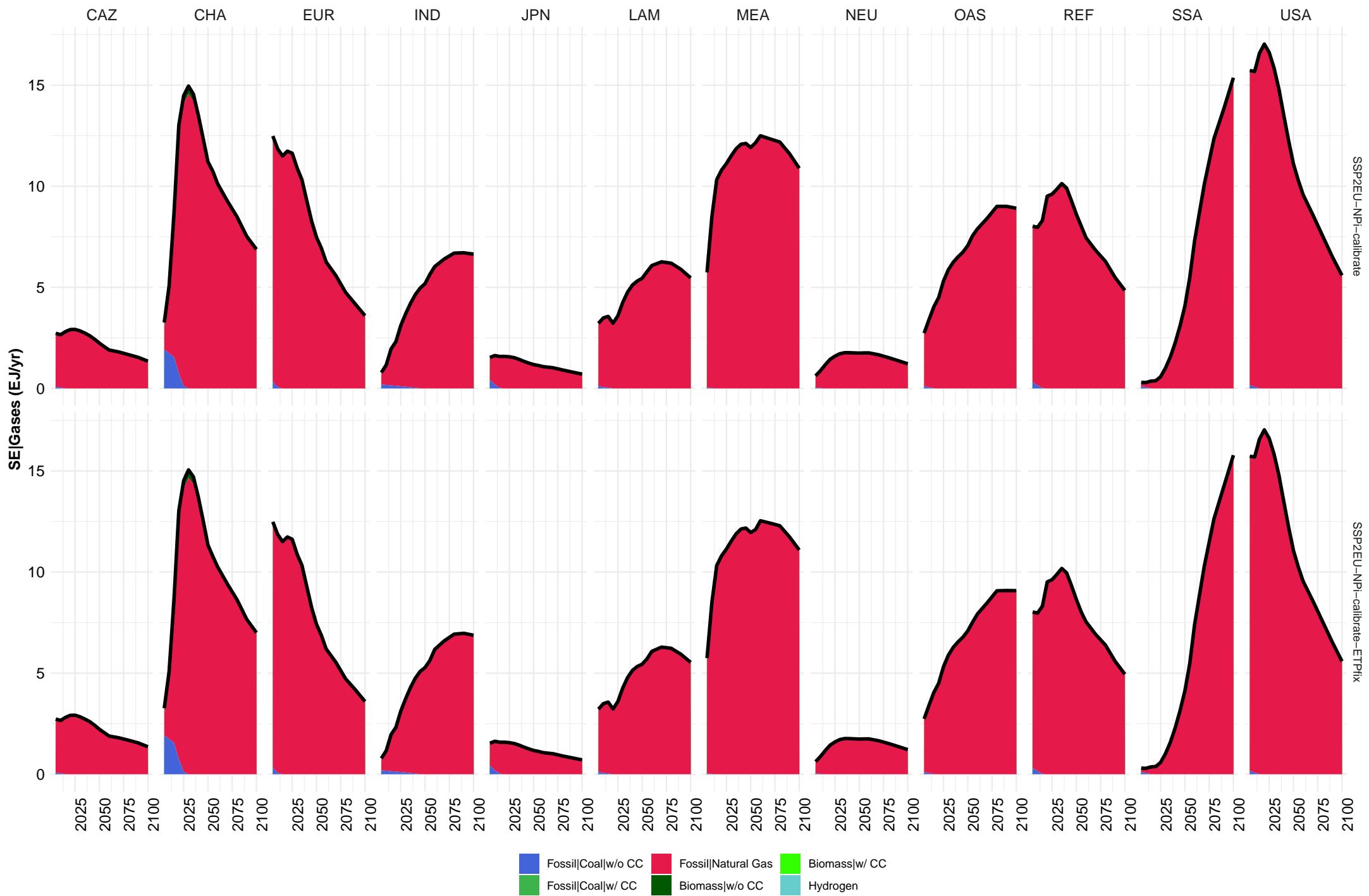
4.6.7 SE Liquids





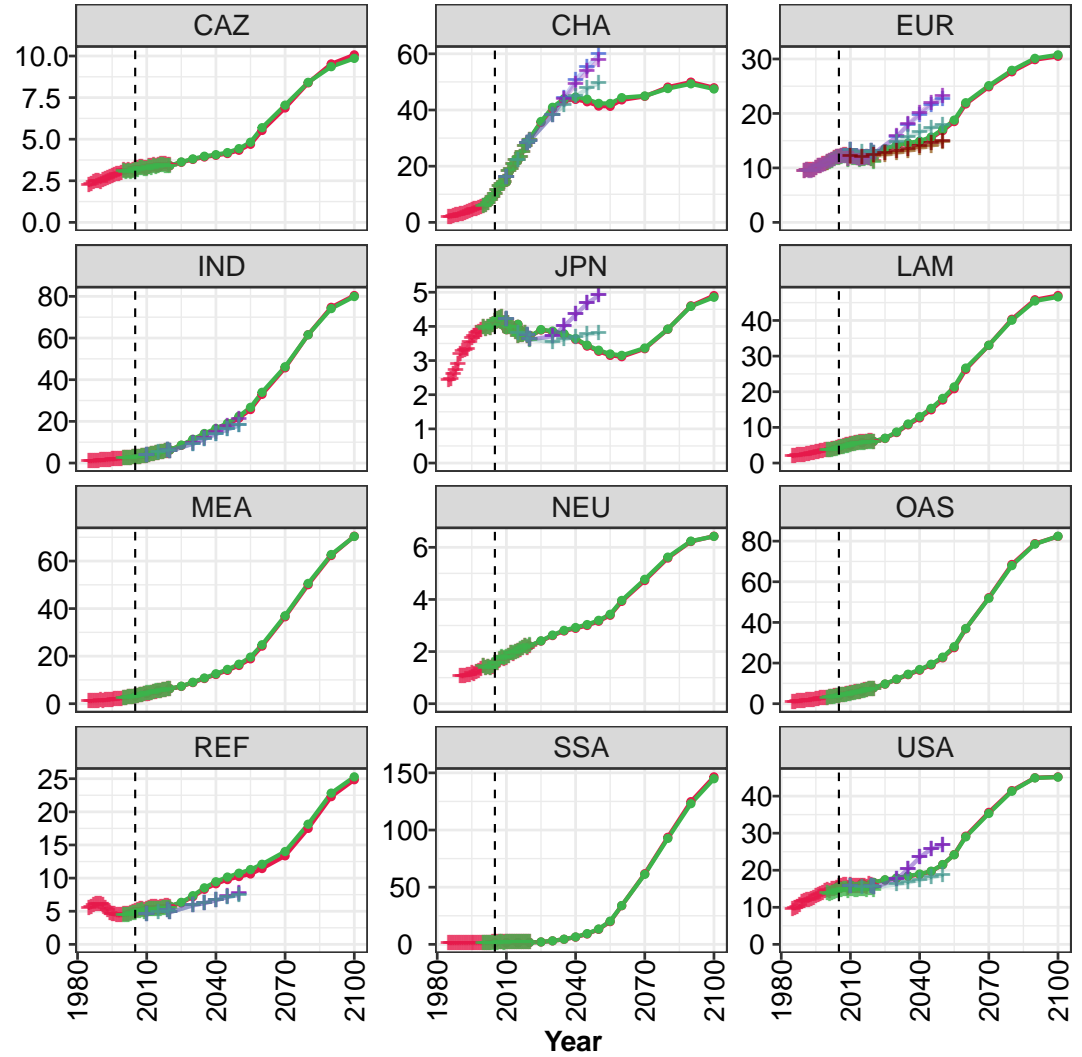
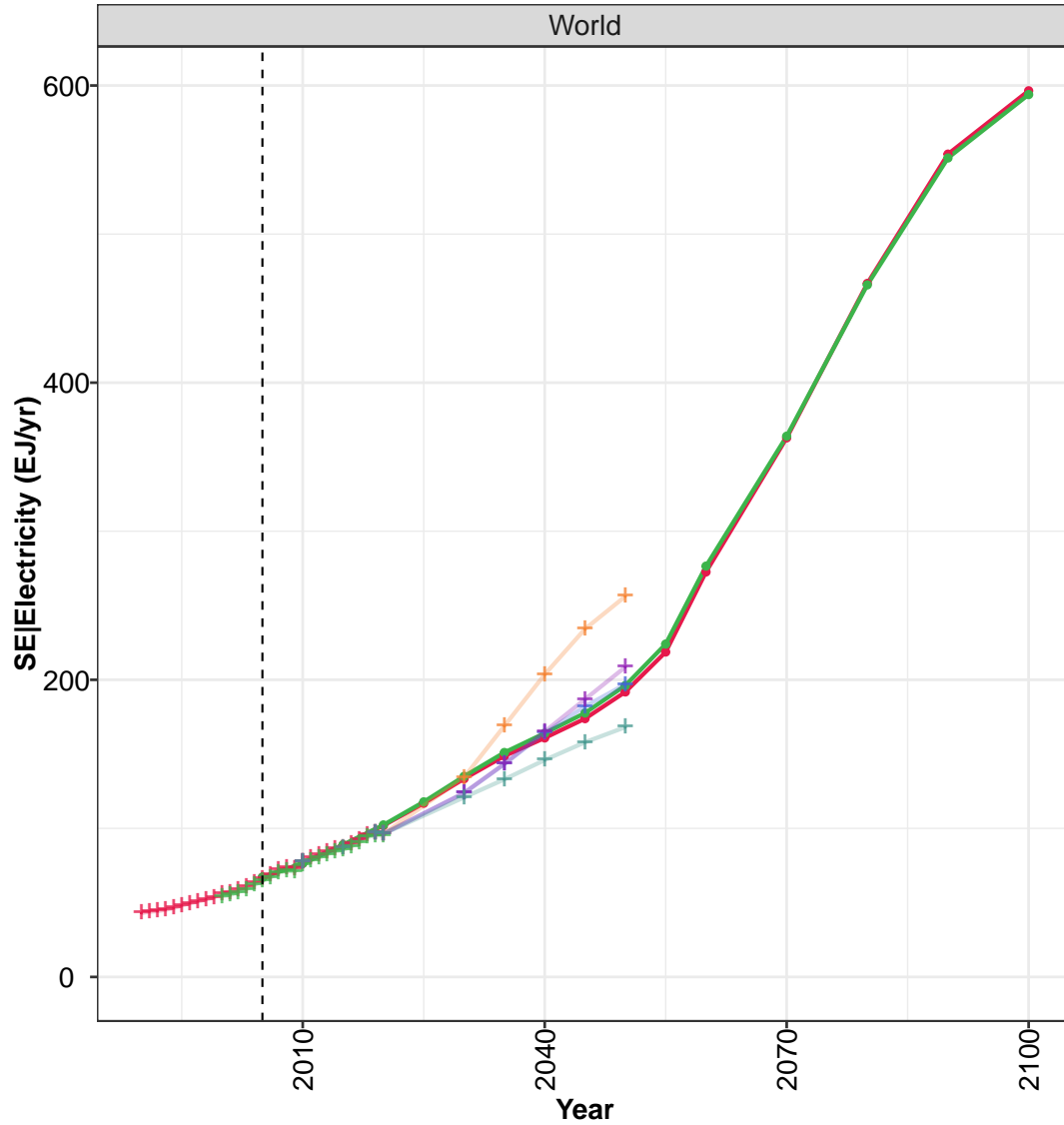
4.6.8 SE Gases





4.7 Secondary Energy line plots - totals

4.7.1 SE Electricity



Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + BP
- + Ember
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS

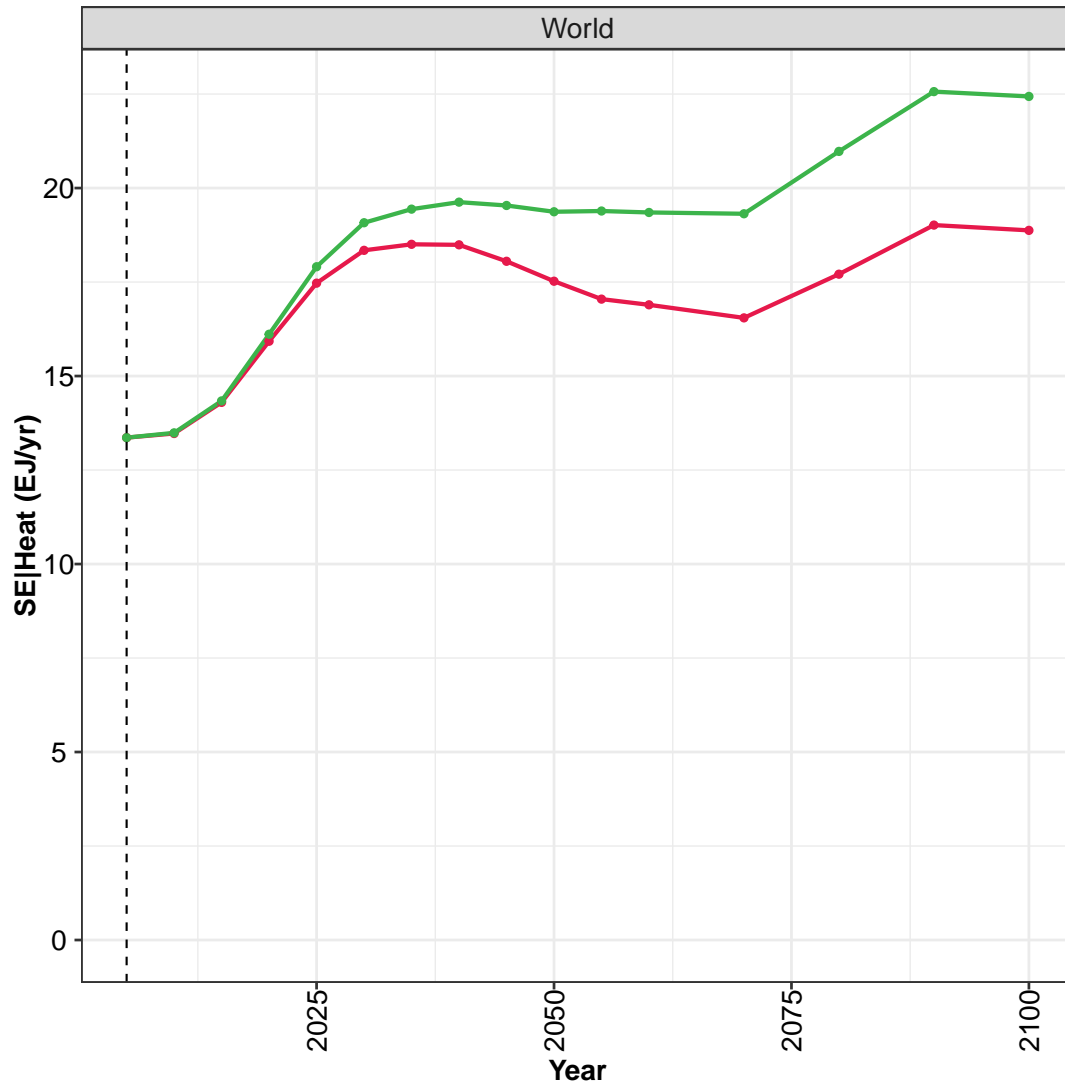
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + BP
- + Ember
- + EU_ReferenceScenario_2016
- + Eurostat
- + IEA WEO 2021 APS
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS
- + INNOPATHS

4.7.2 SE Heat

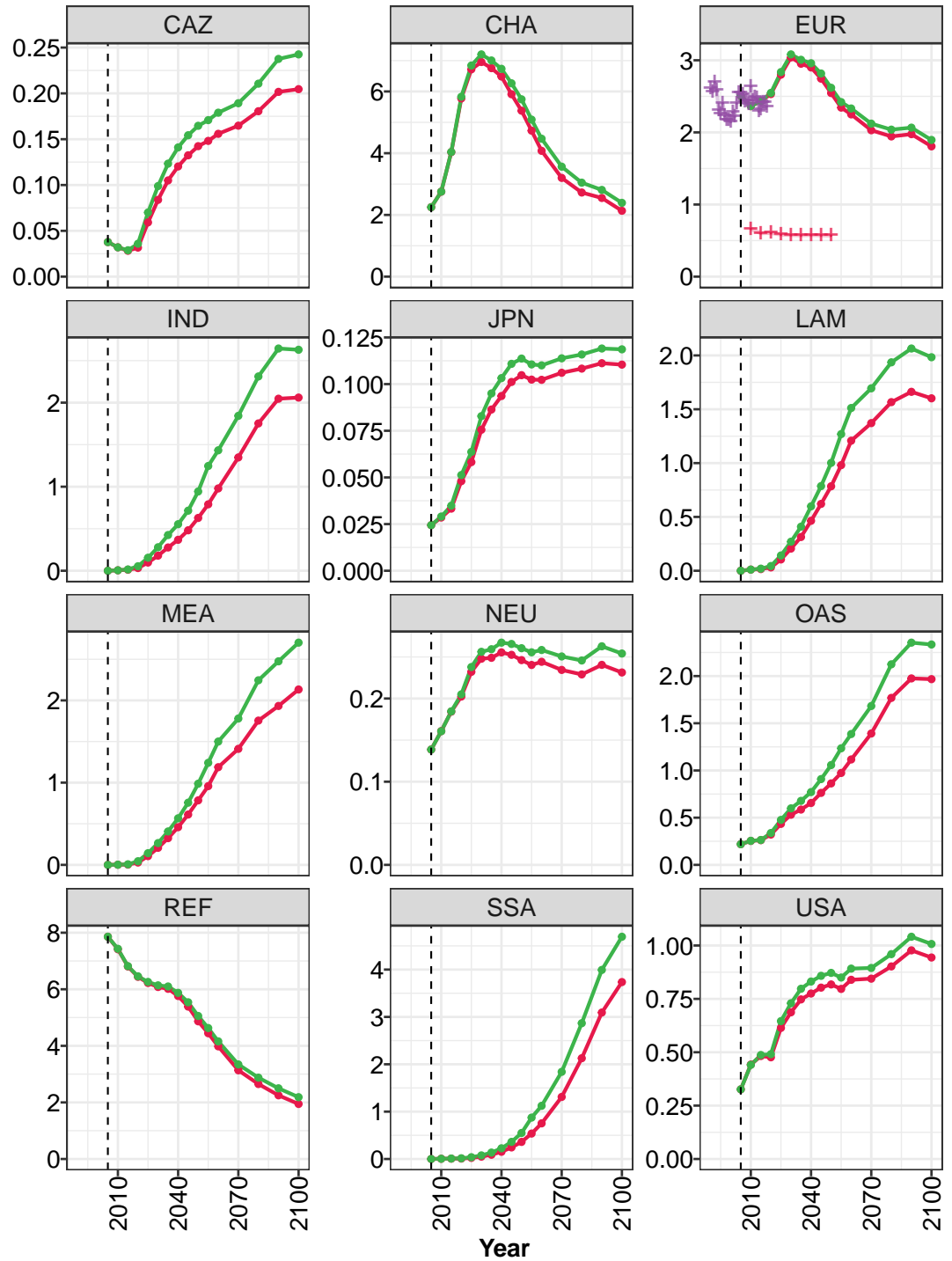


Model: REMIND

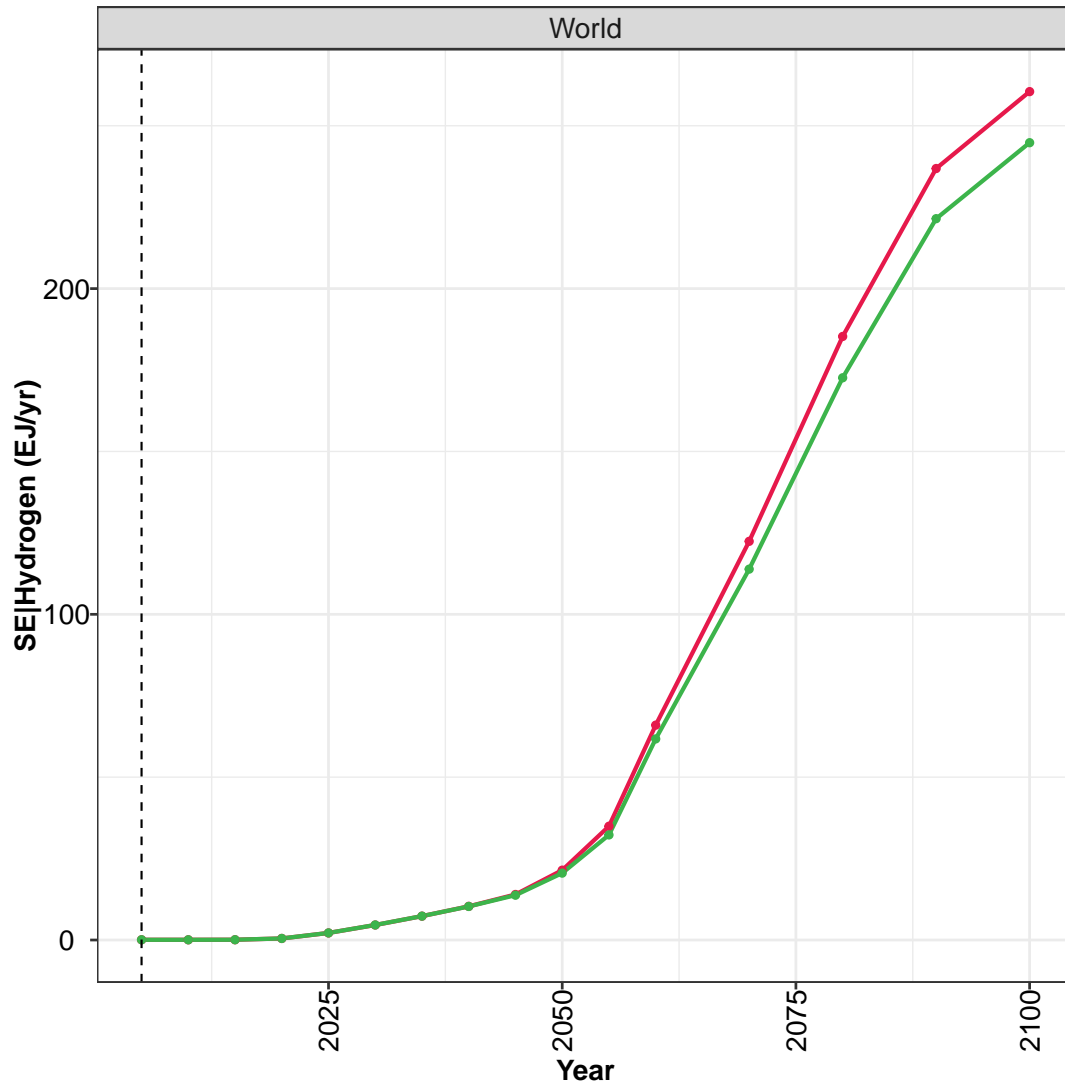
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + Eurostat
- + INNOPATHS



4.7.3 SE Hydrogen

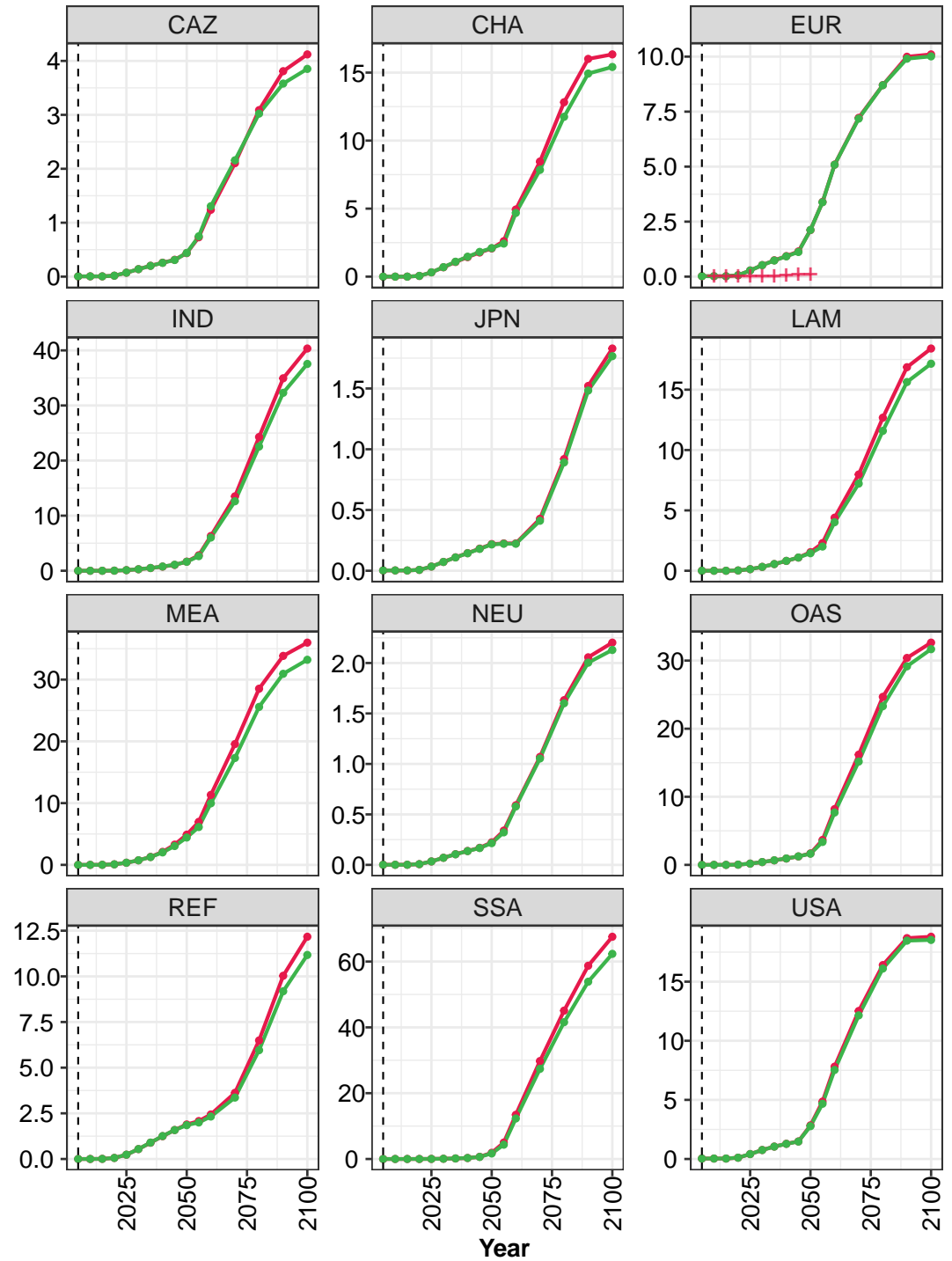


Model: REMIND

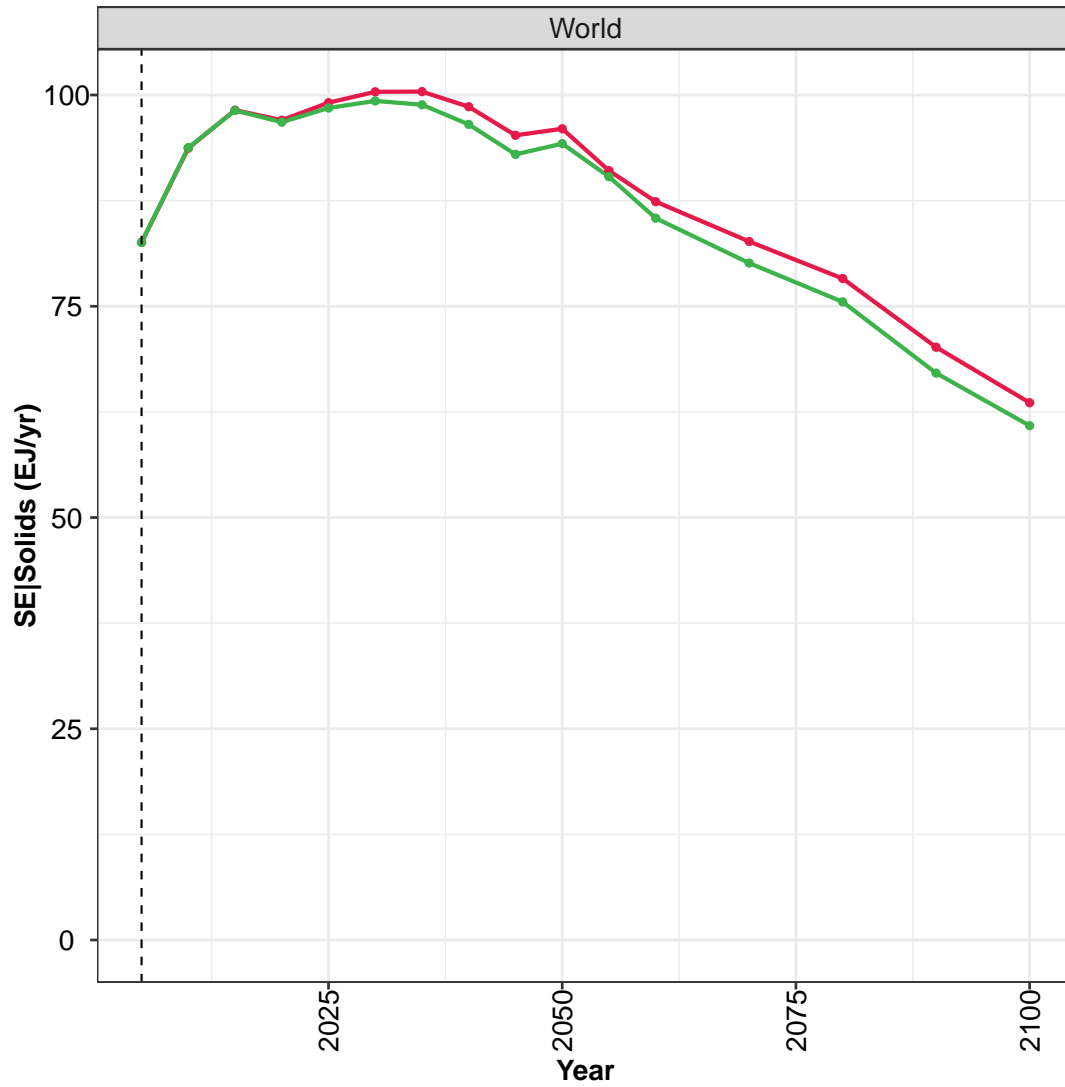
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + INNOPATHS



4.7.4 SE Solids

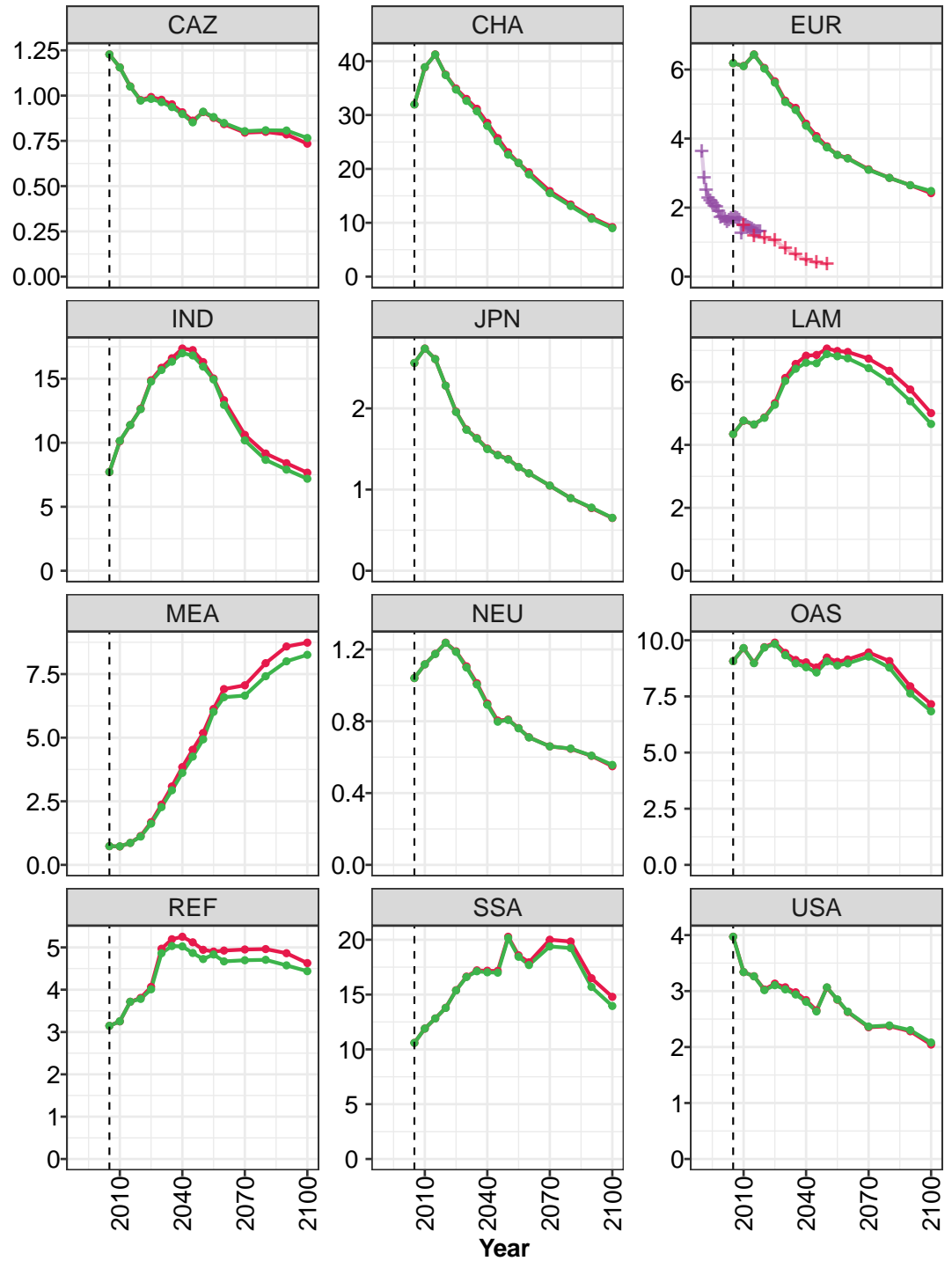


Model: REMIND

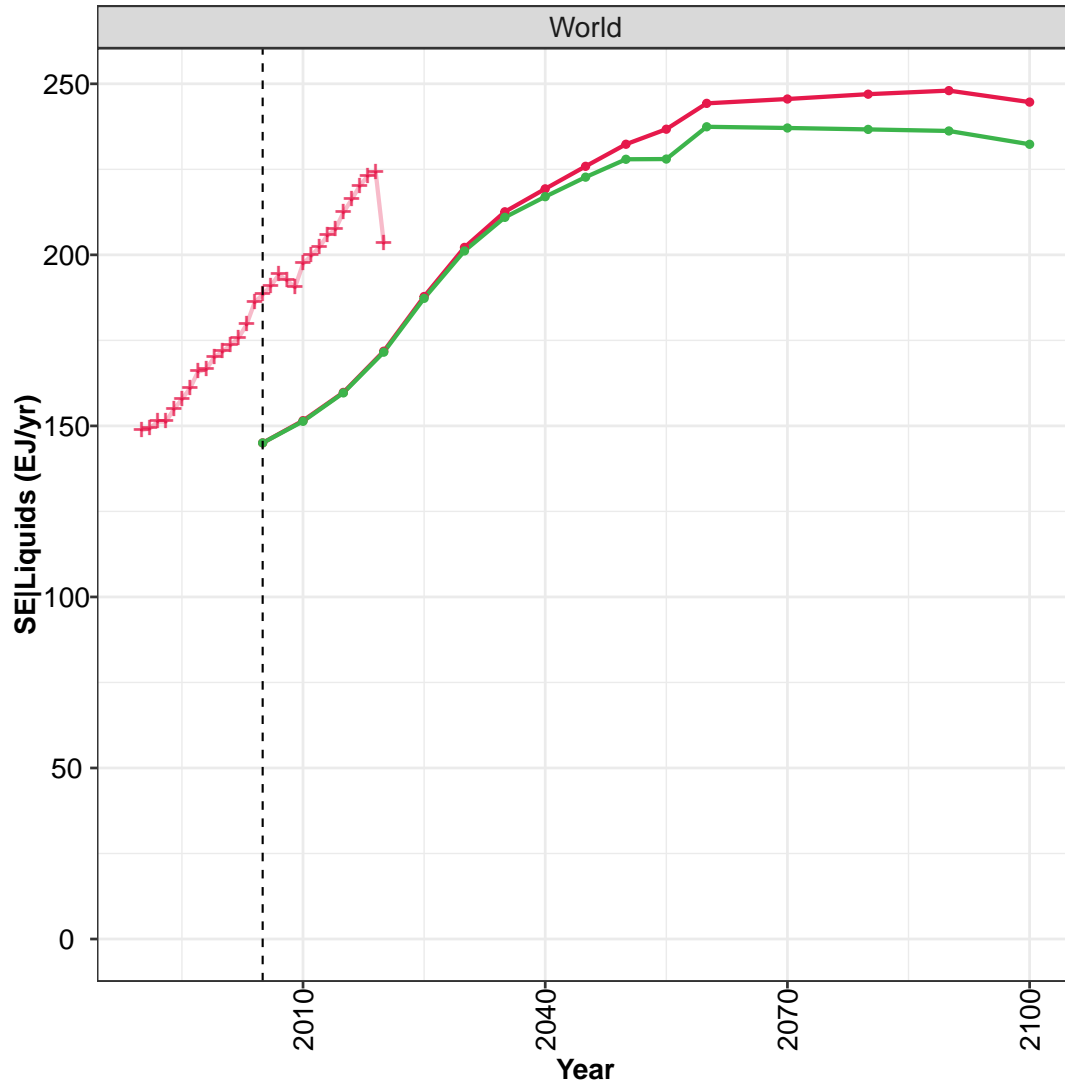
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + Eurostat
- + INNOPATHS



4.7.5 SE Liquids

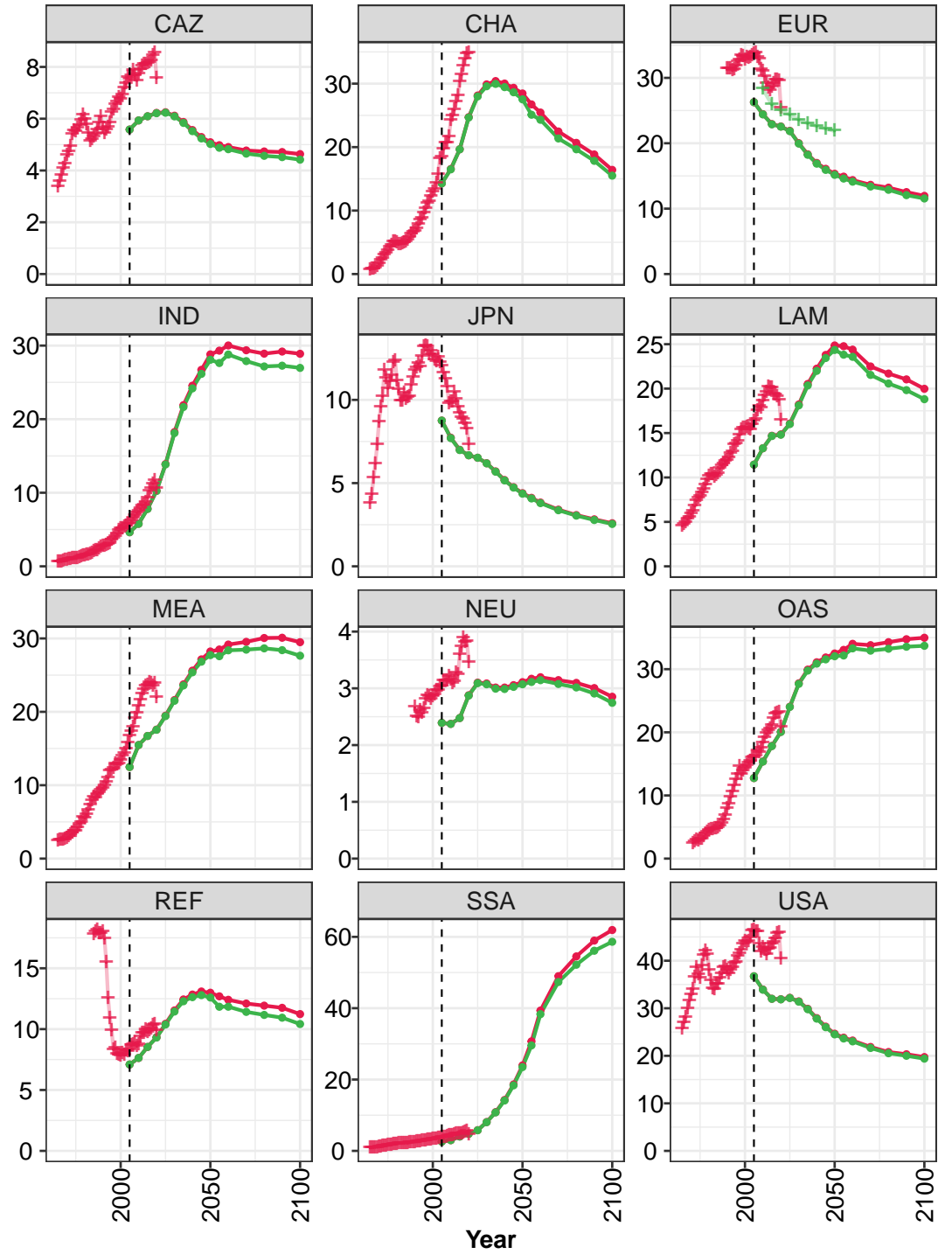


Model: REMIND

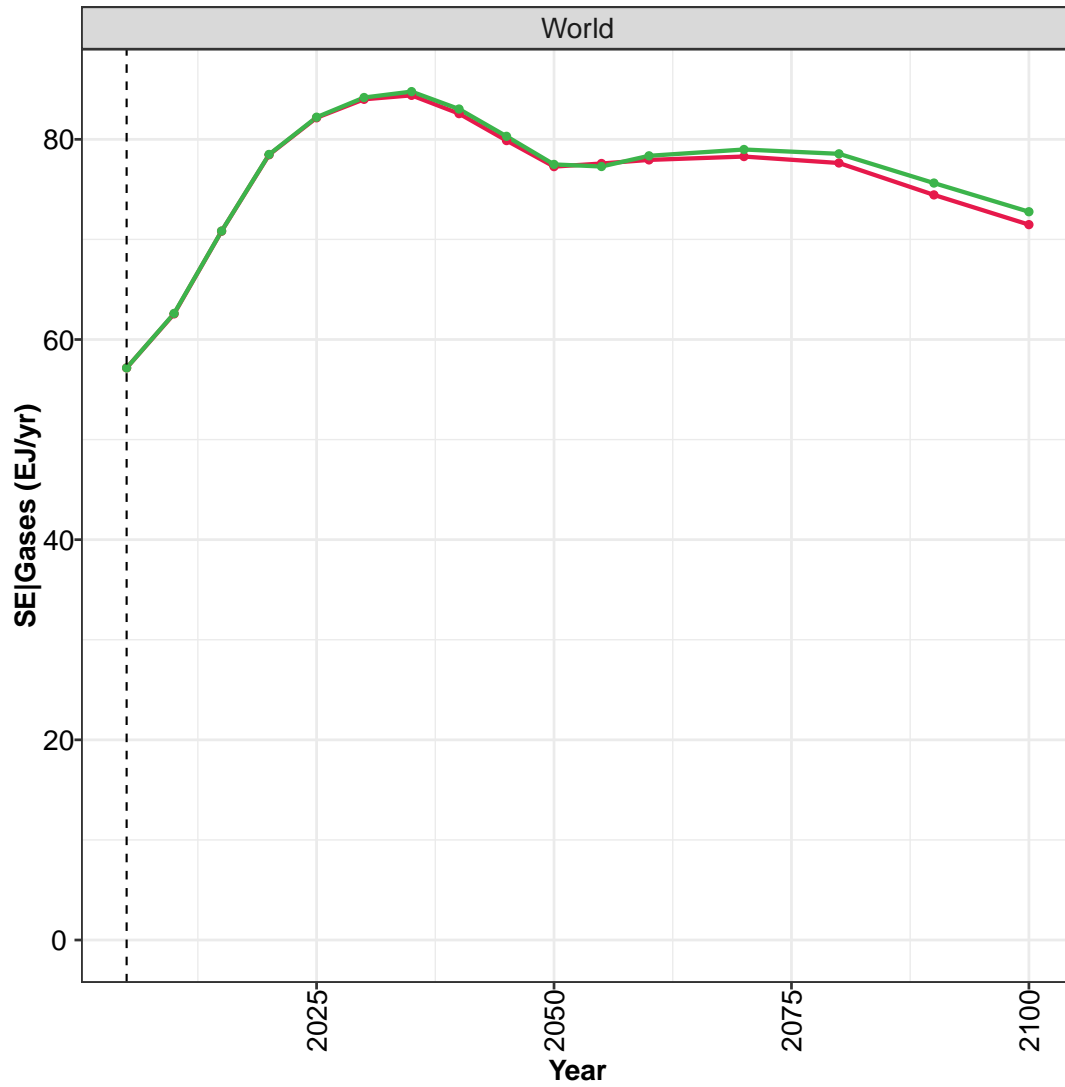
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + BP
- + INNOPATHS



4.7.6 SE Gases

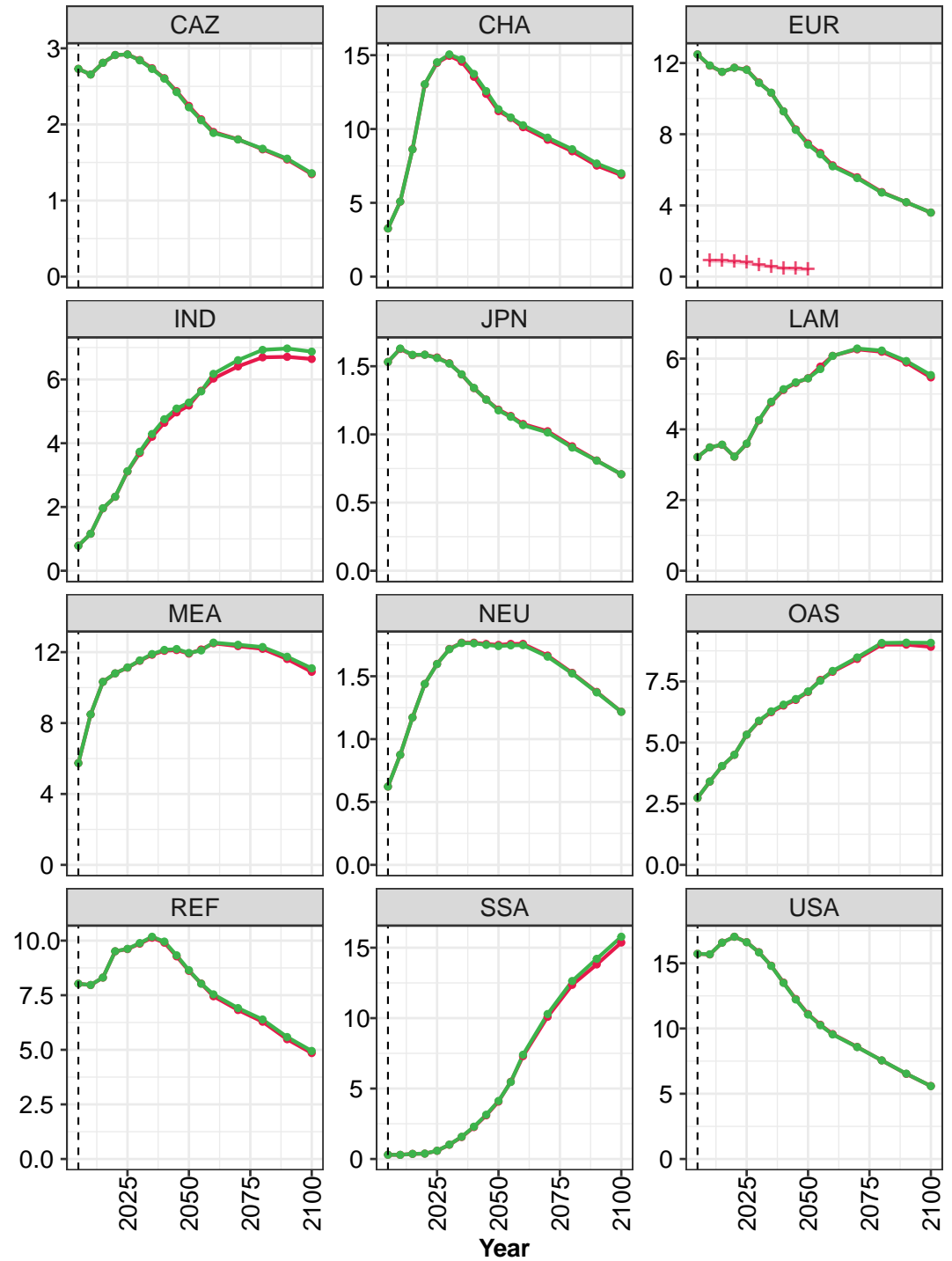


Model: REMIND

- +— SSP2EU-NPi-calibrate
- +— SSP2EU-NPi-calibrate-ETPfix

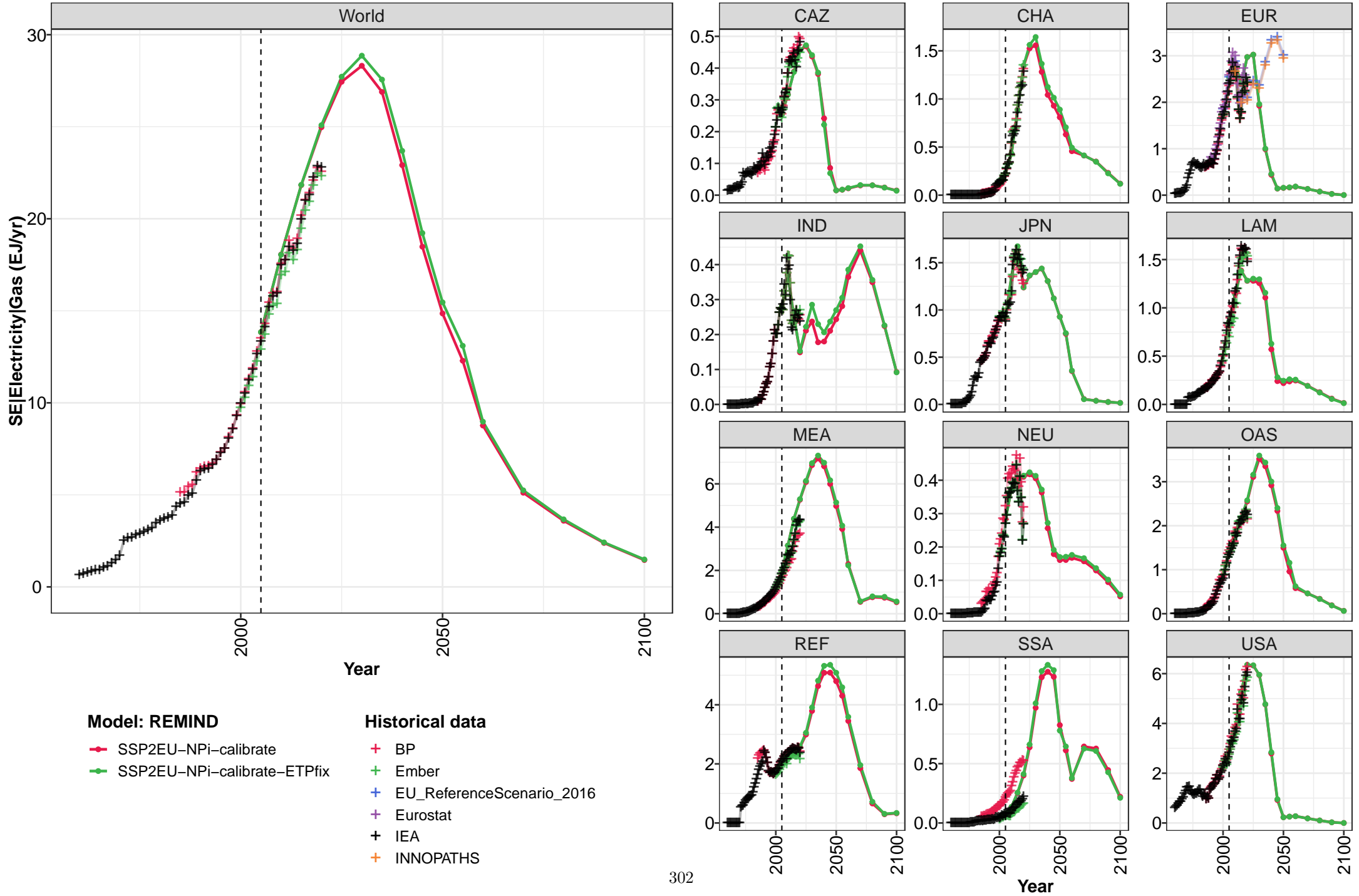
Historical data

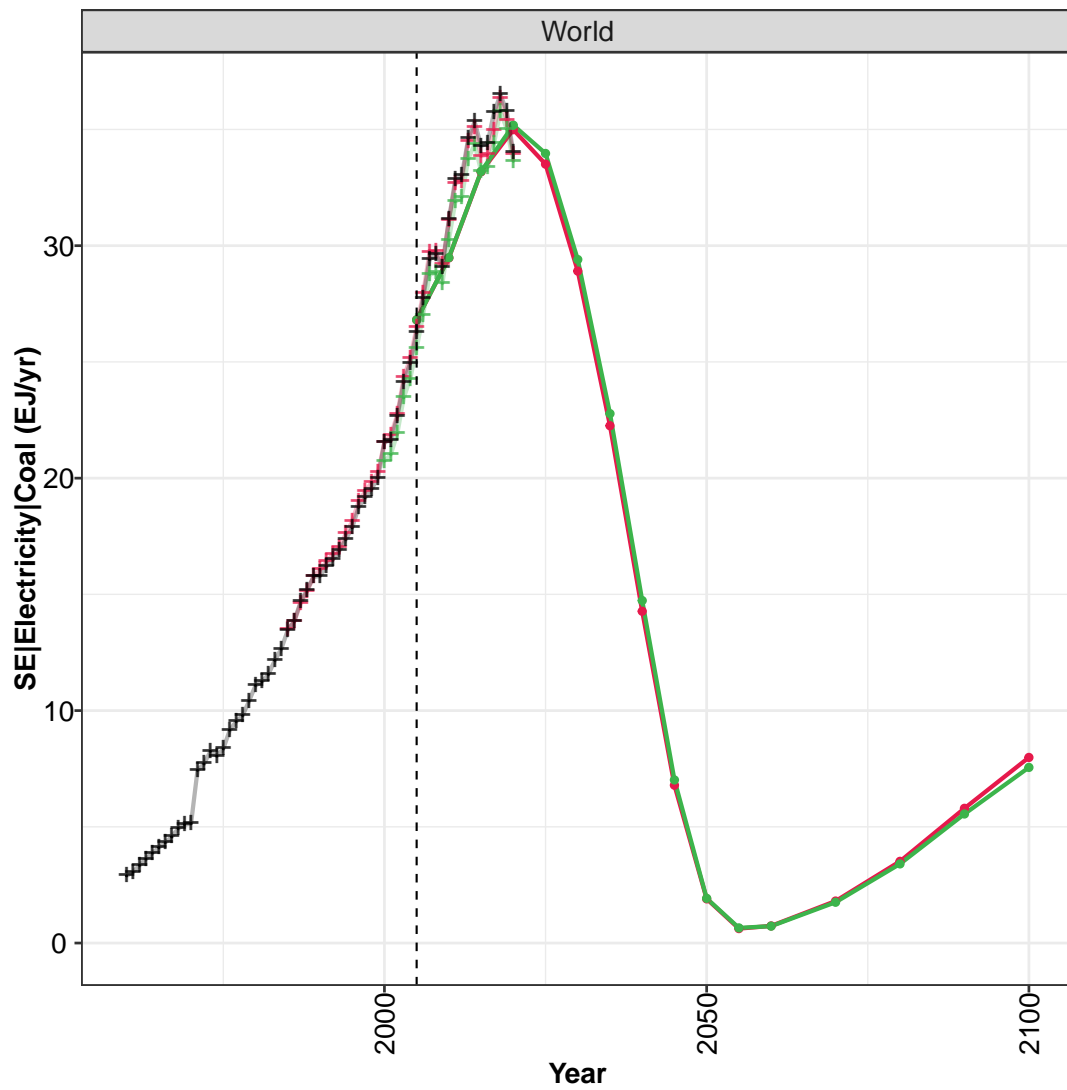
- + INNOPATHS



4.8 Secondary Energy line plots - detail

4.8.1 SE Electricity



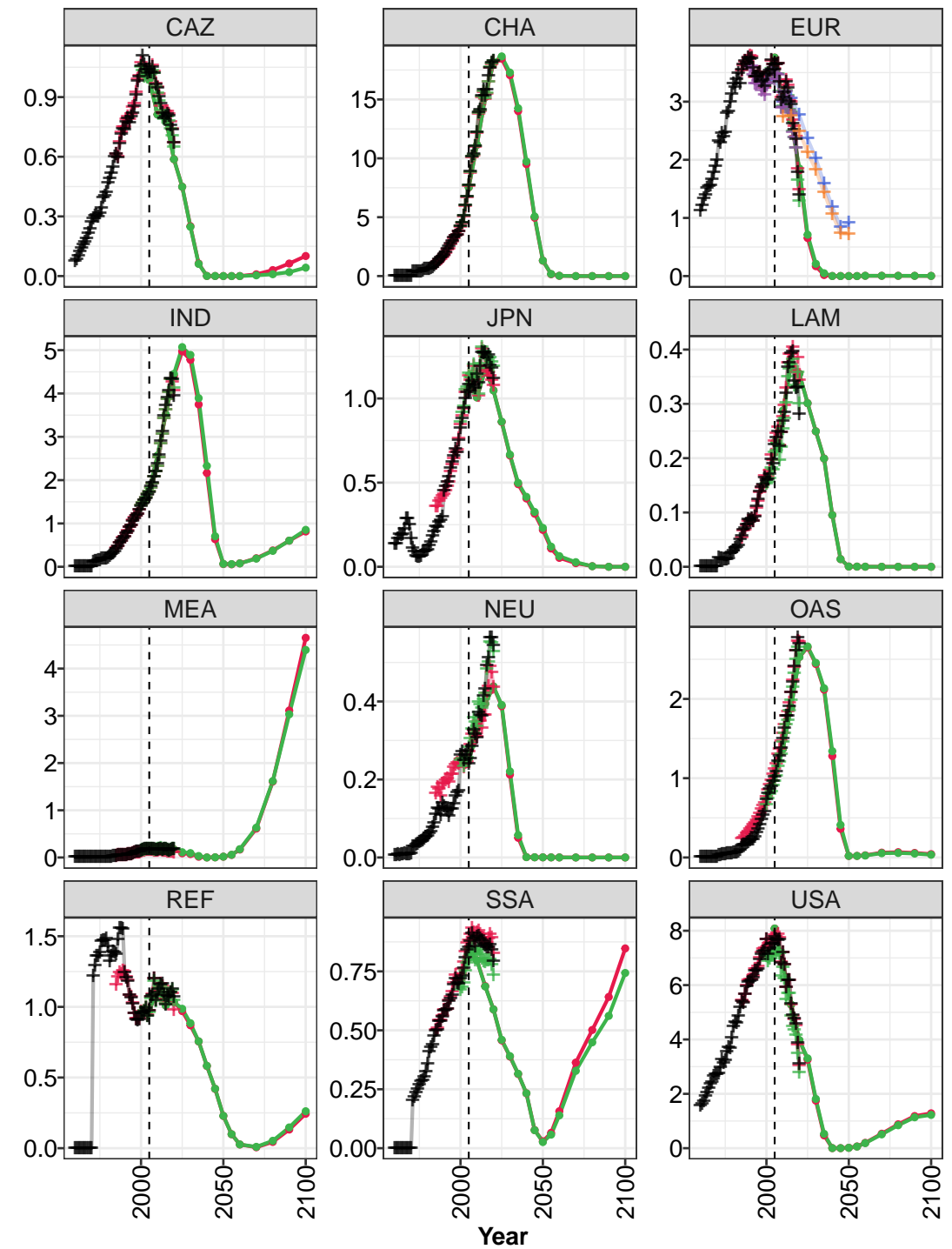


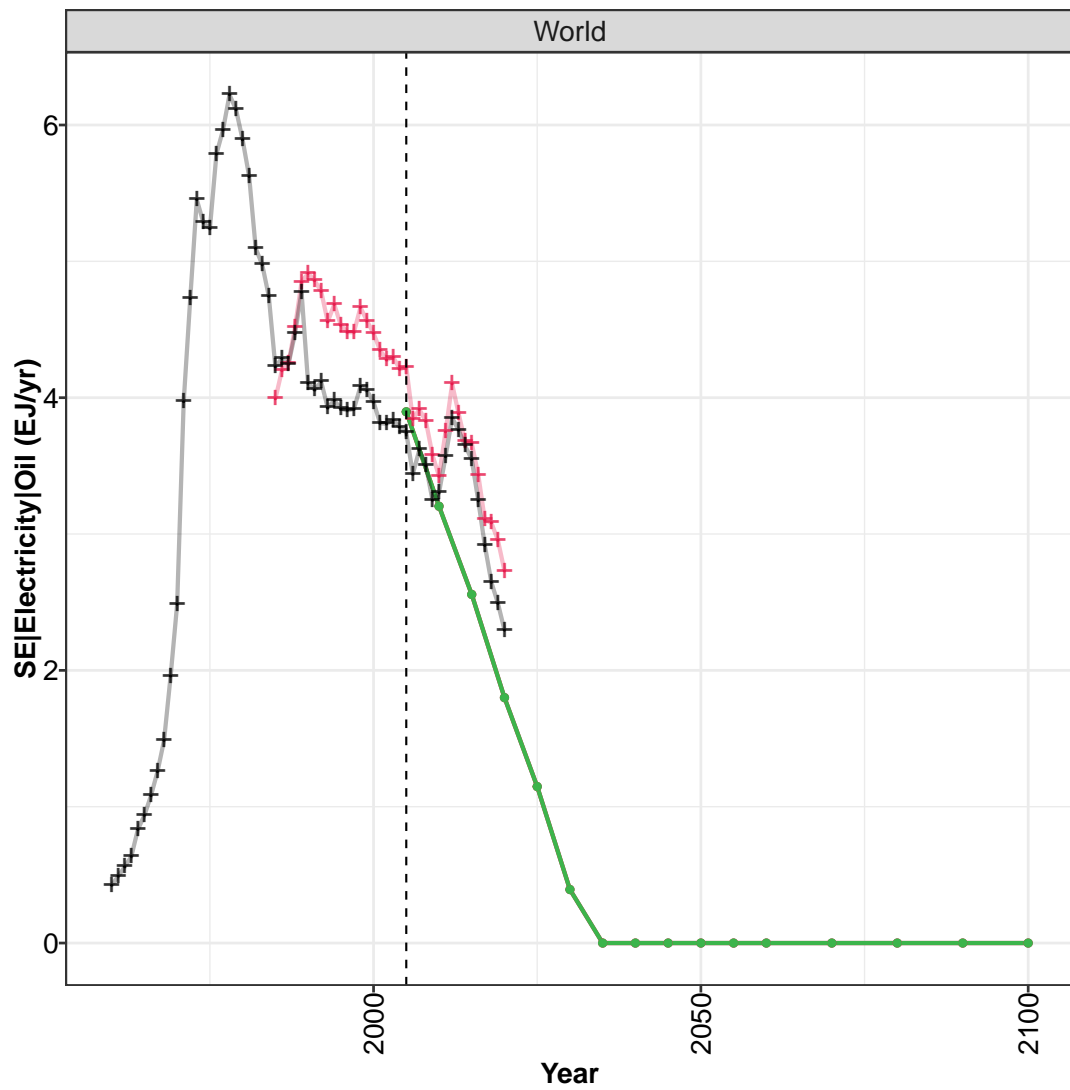
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + BP
- + Ember
- + EU_ReferenceScenario_2016
- + Eurostat
- + IEA
- + INNOPATHS



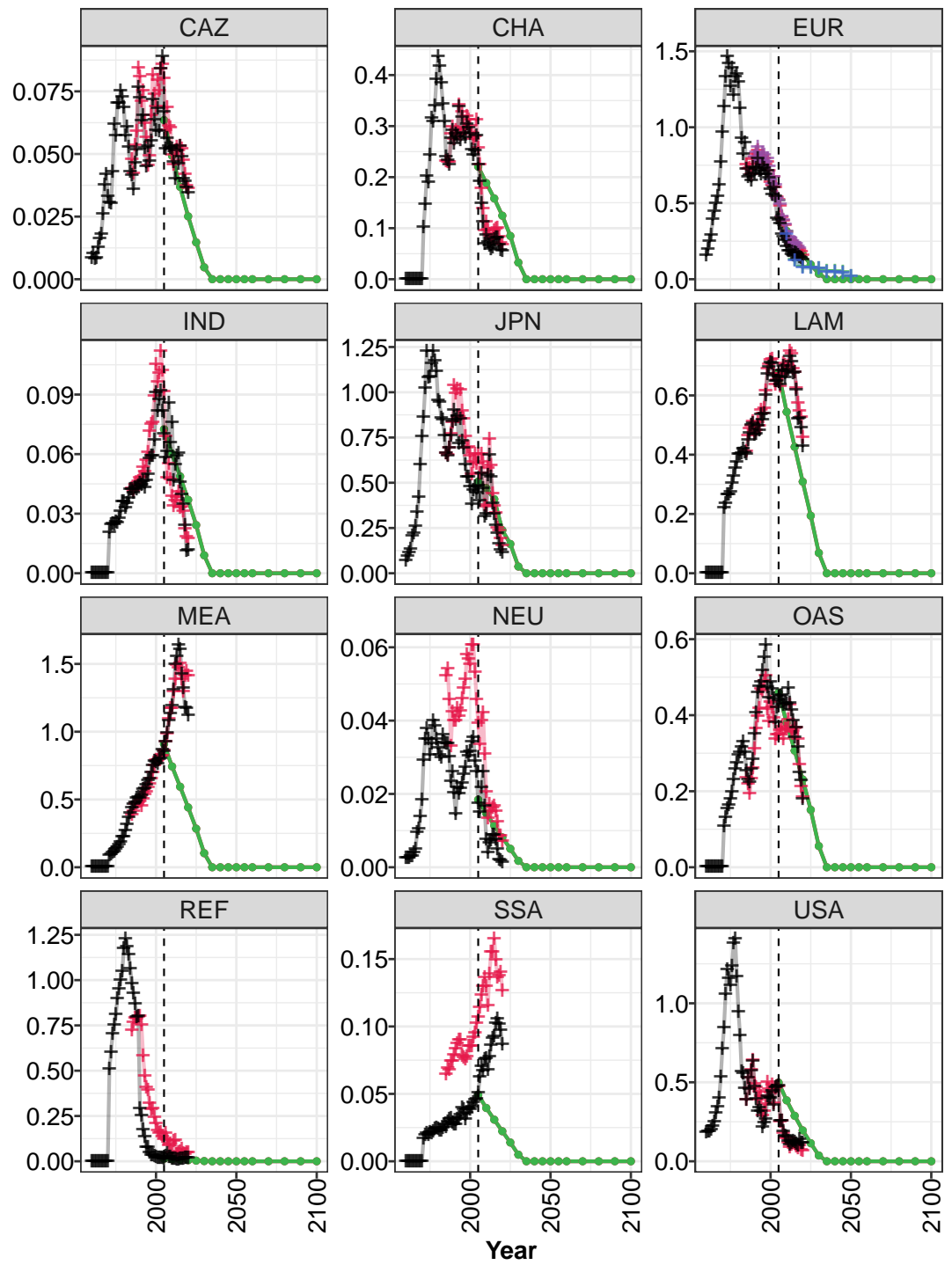


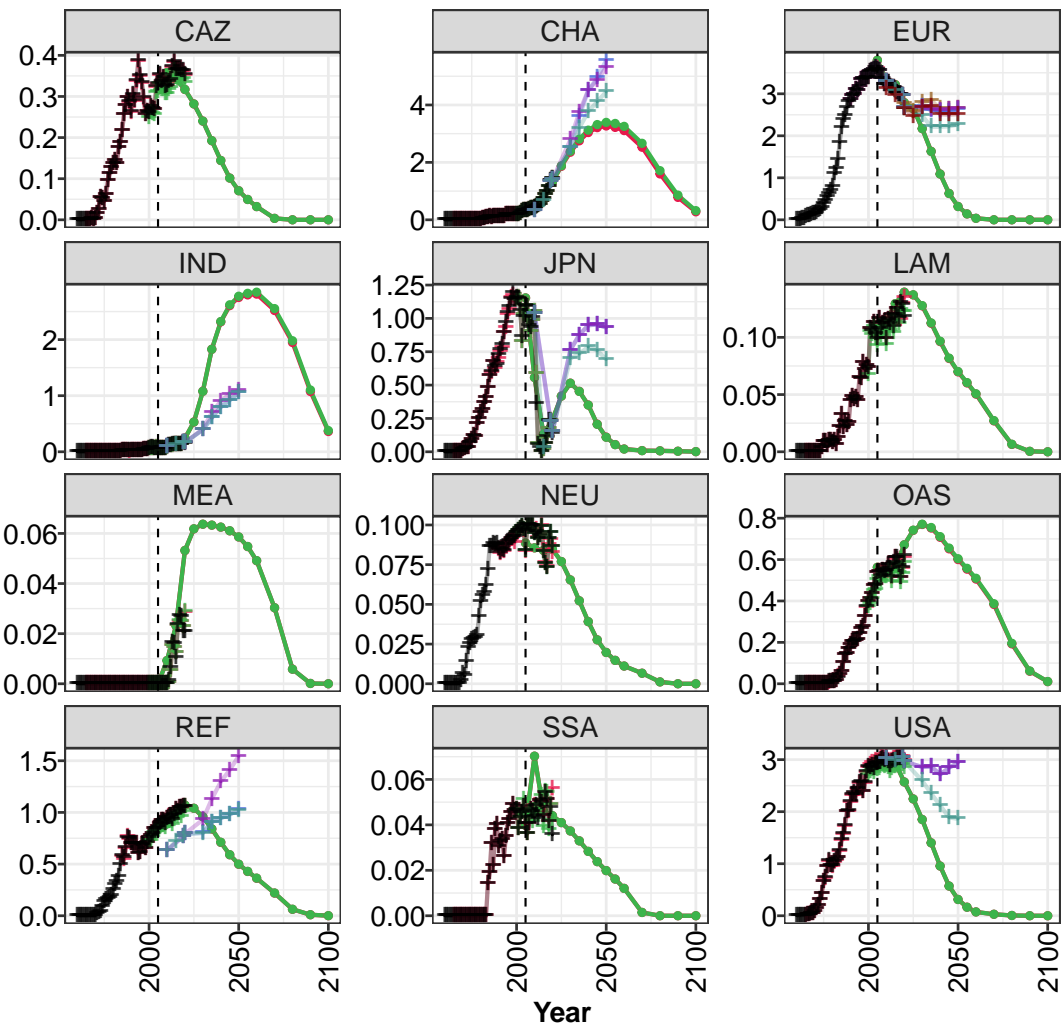
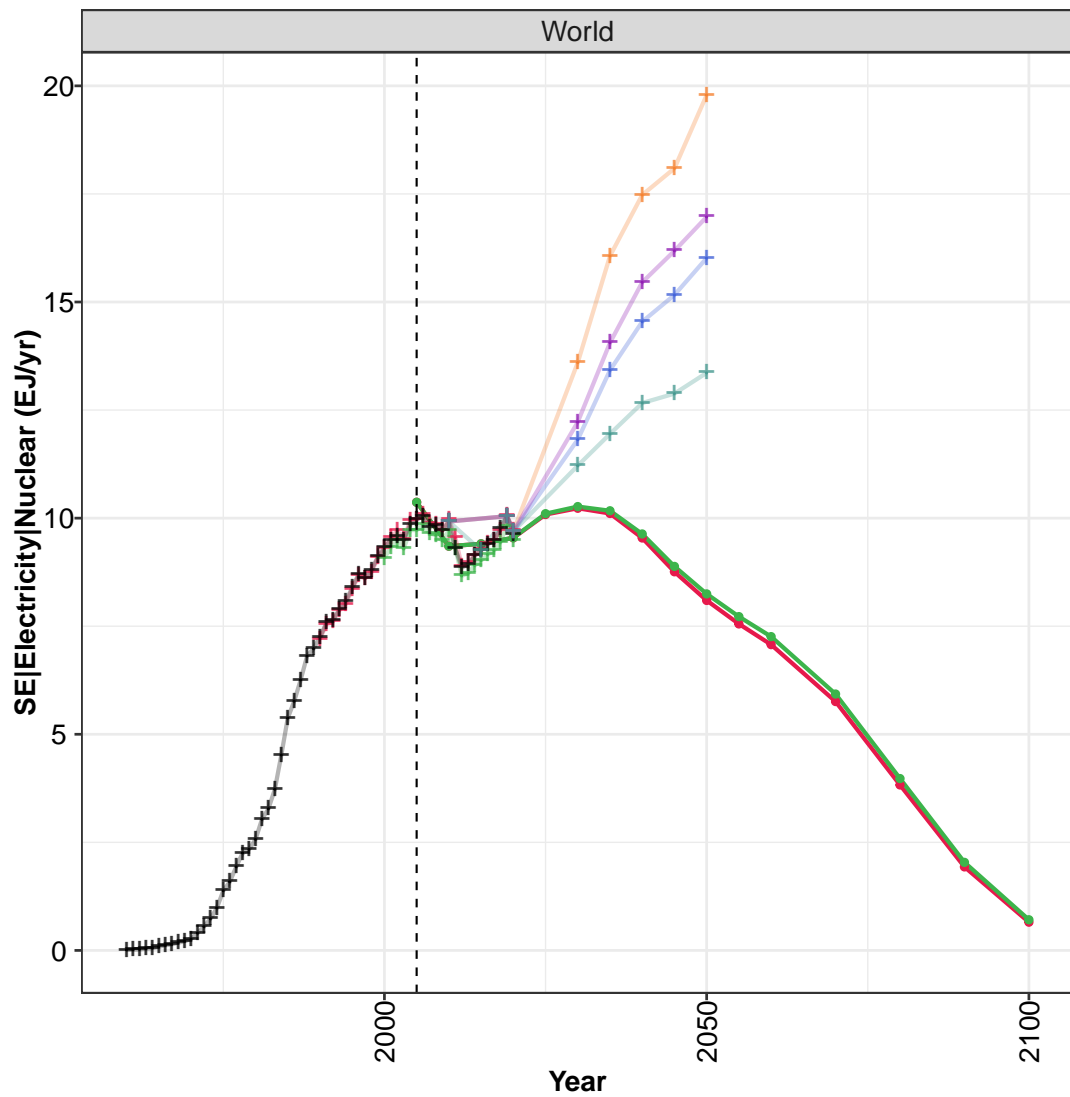
Model: REMIND

- +— SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + BP
- + EU_ReferenceScenario_2016
- + Eurostat
- + IEA
- + INNOPATHS





Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

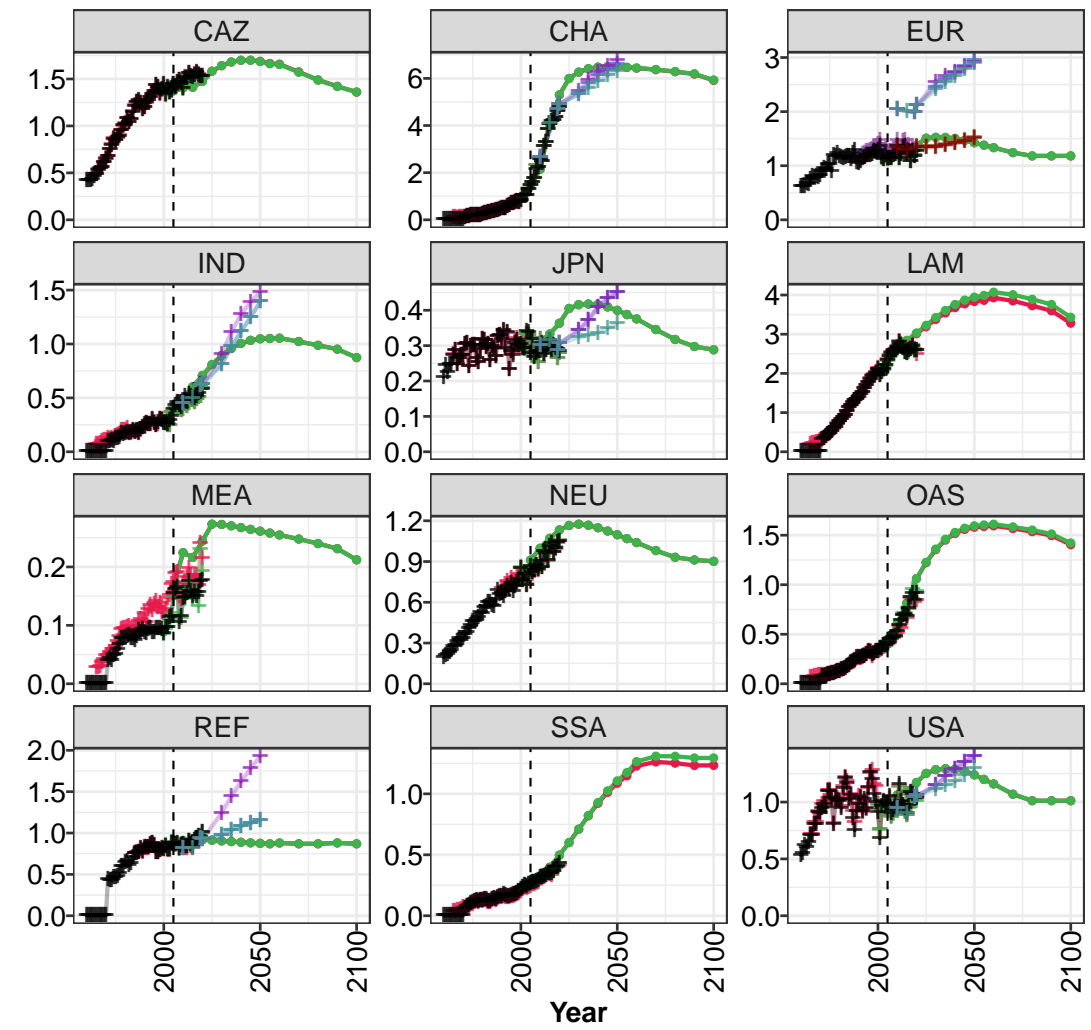
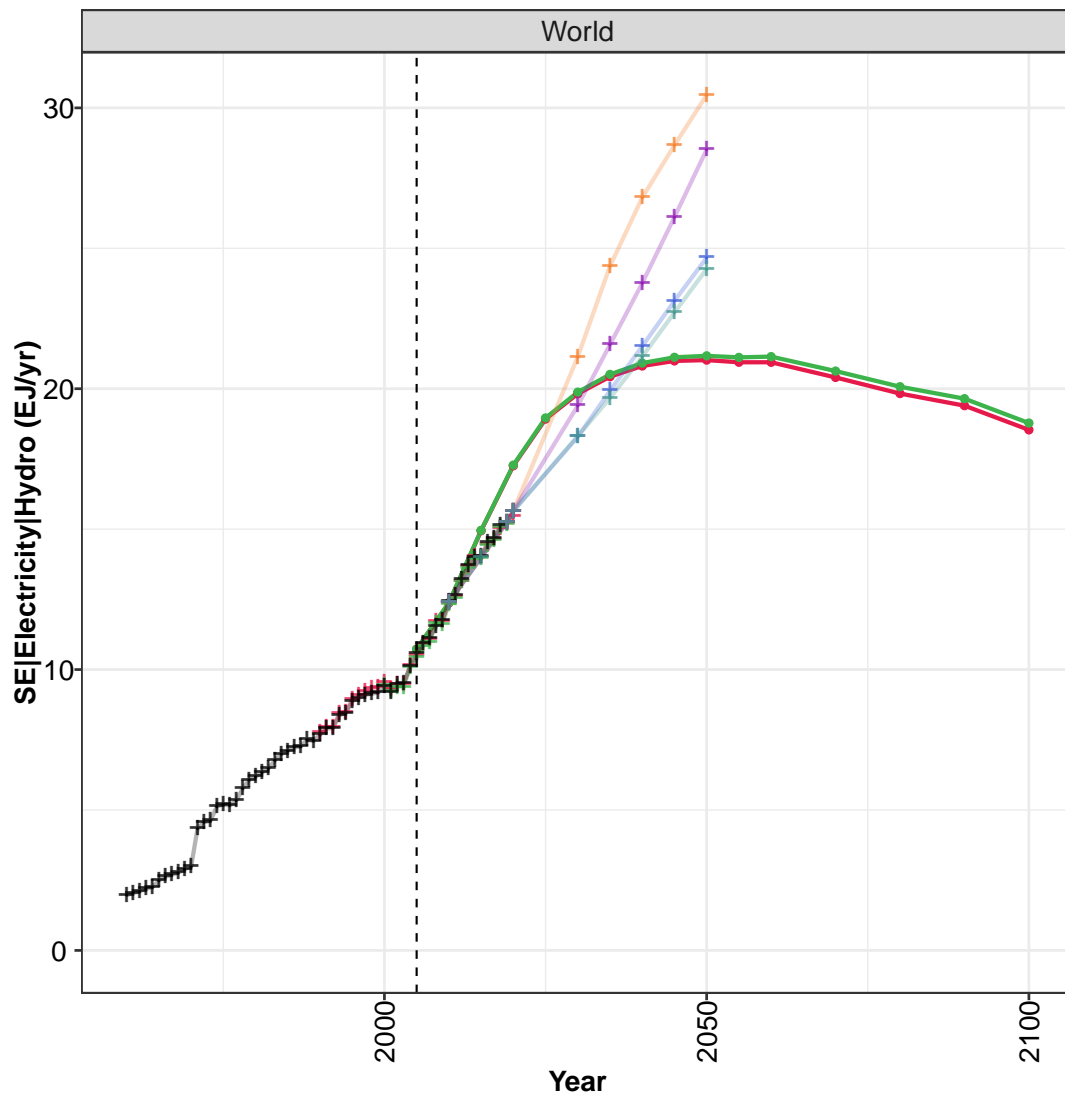
- + BP
- + Ember
- + IEA
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS

Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + BP
- + Ember
- + EU_ReferenceScenario_2016
- + Eurostat
- + IEA
- + IEA WEO 2021 APS
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS
- + INNOPATHS



Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

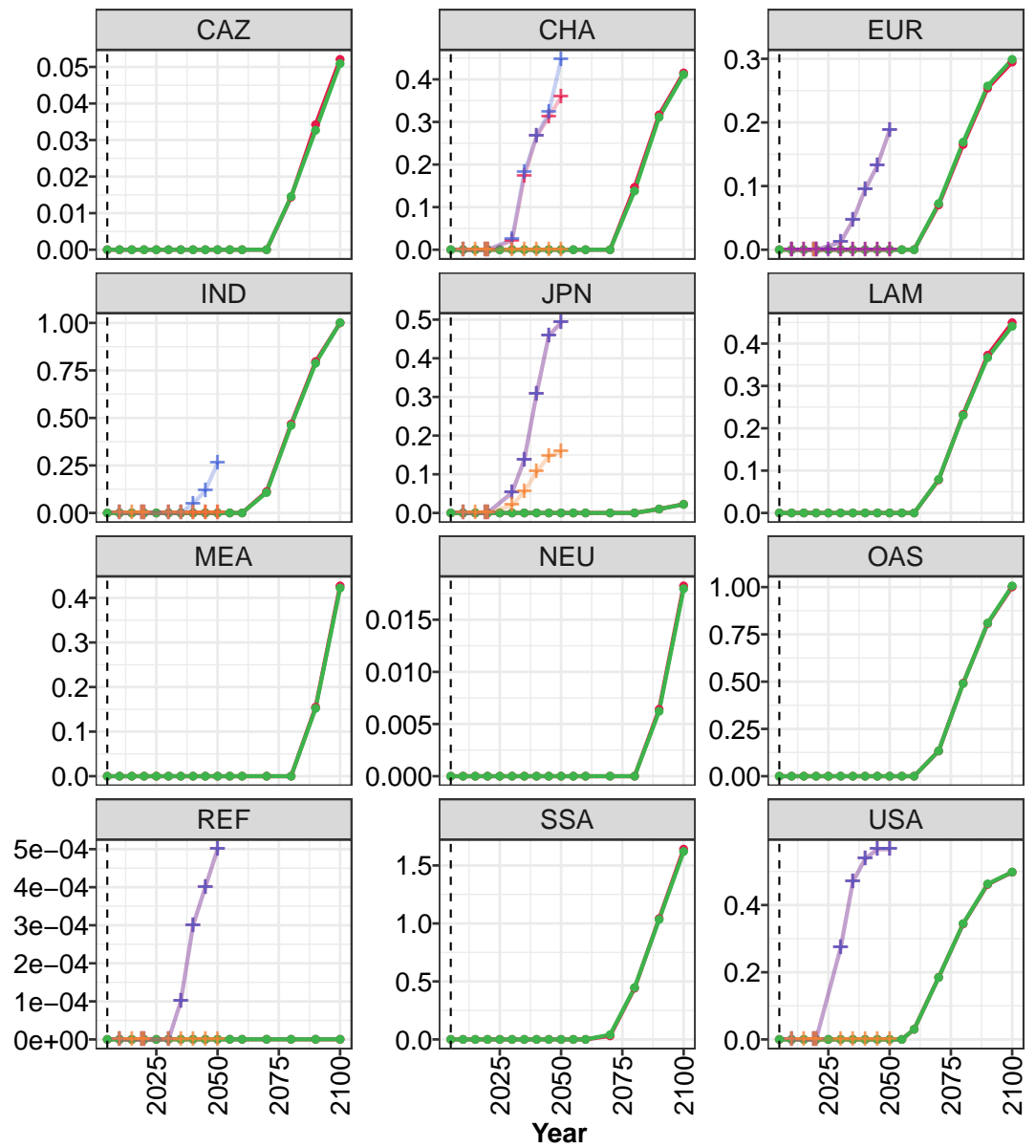
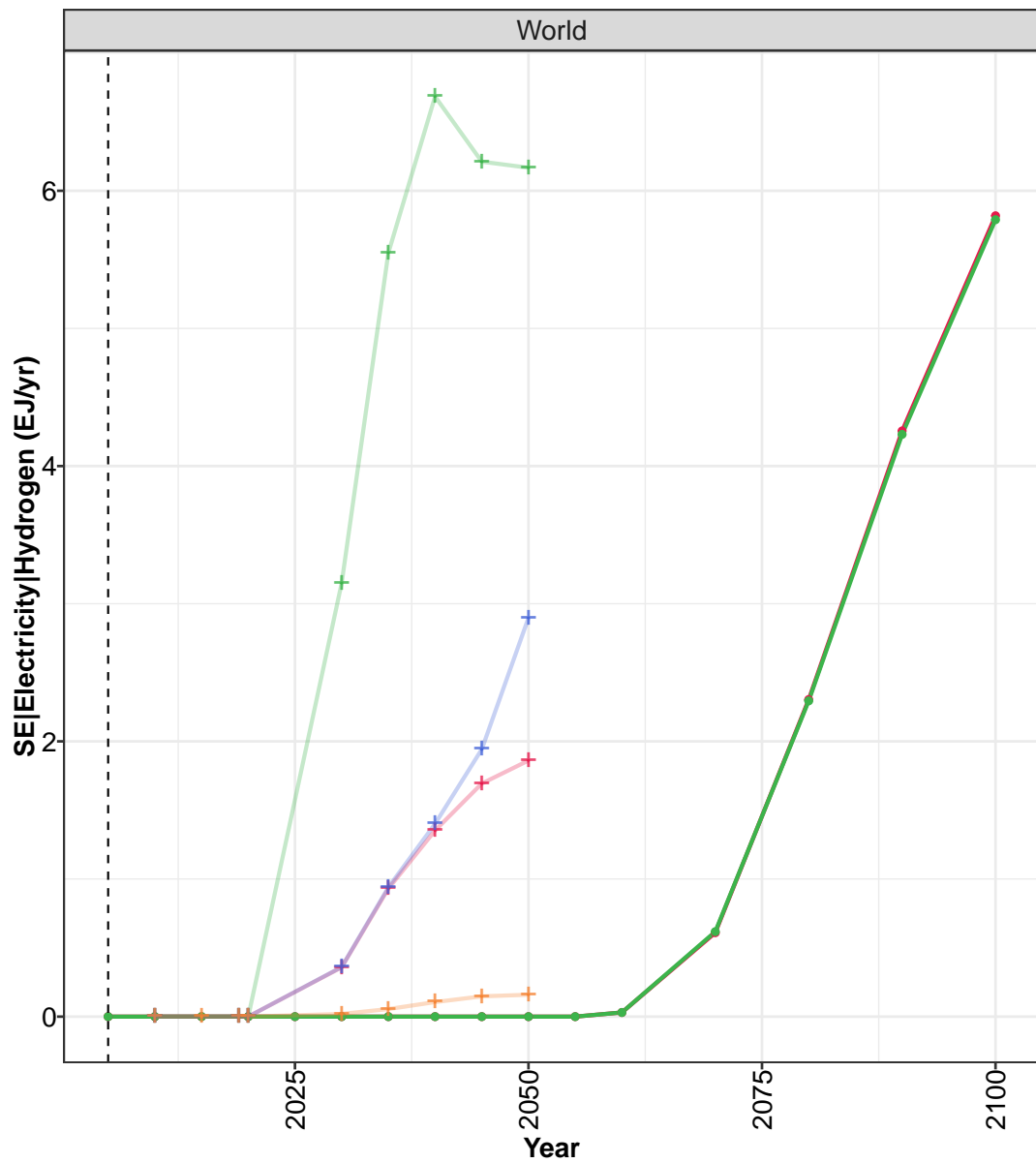
- + BP
- + Ember
- + IEA
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS

Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + BP
- + Ember
- + EU_ReferenceScenario_2016
- + Eurostat
- + IEA
- + IEA WEO 2021 APS
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS
- + INNOPATHS



Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

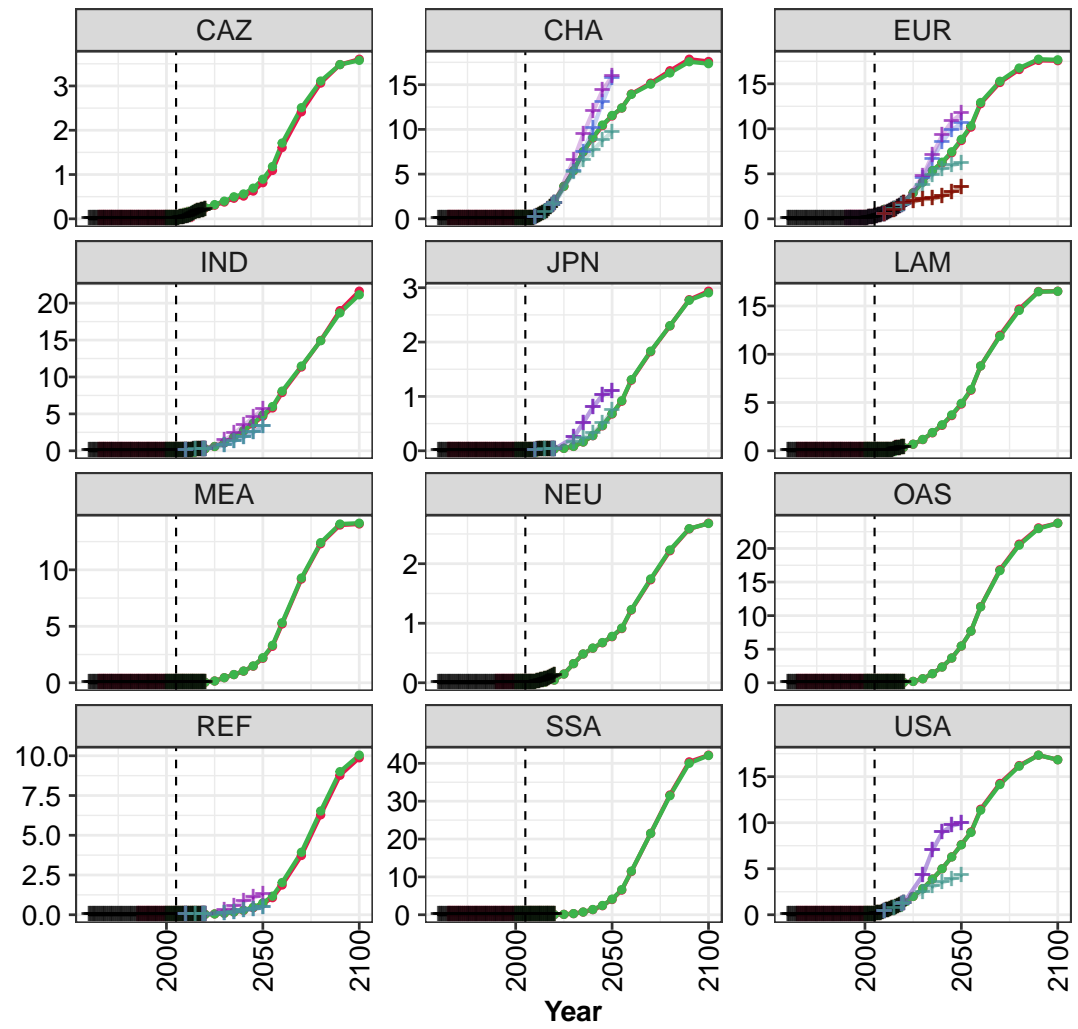
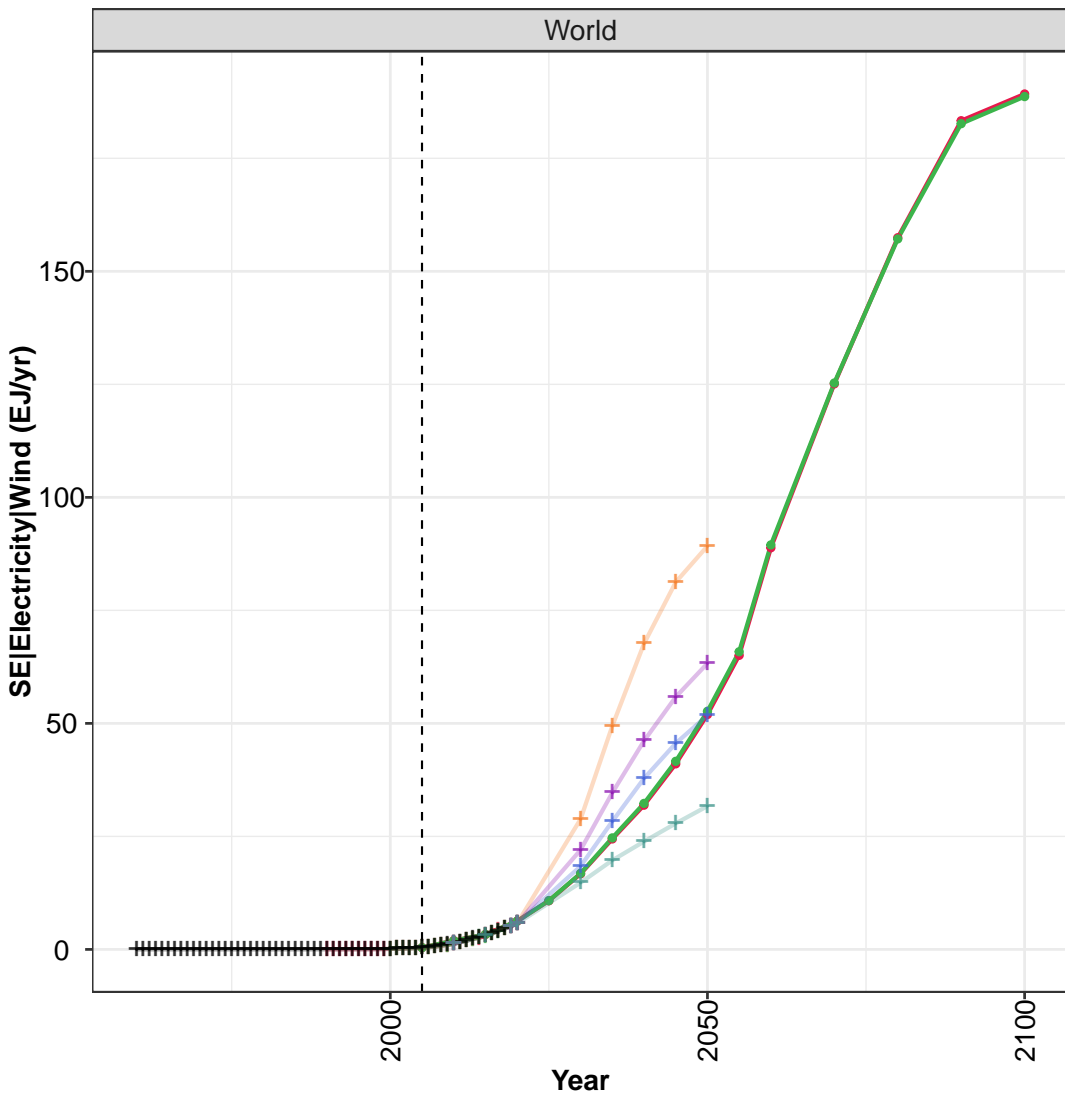
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS

Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + IEA WEO 2021 APS
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS
- + INNOPATHS



Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

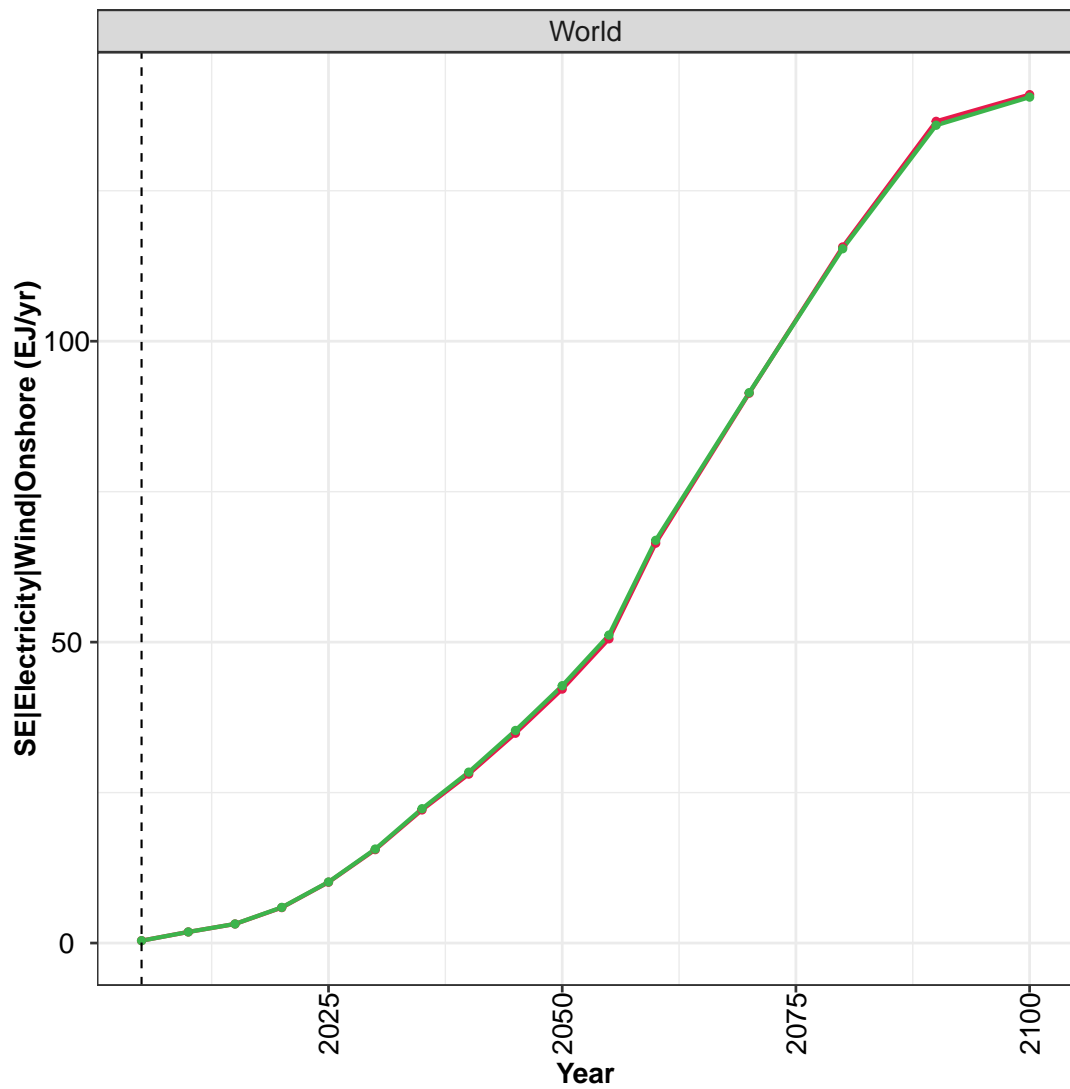
- + BP
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Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

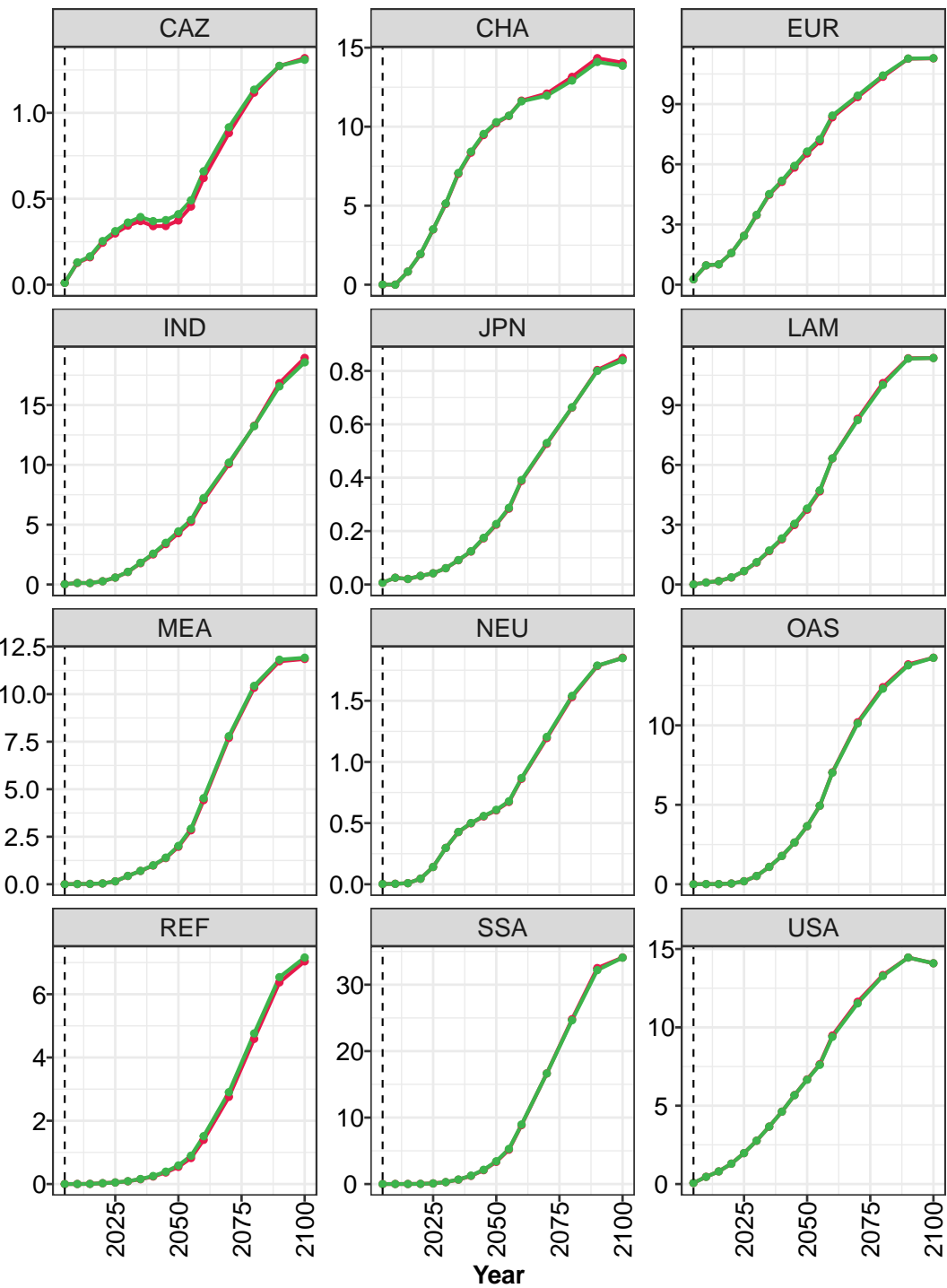
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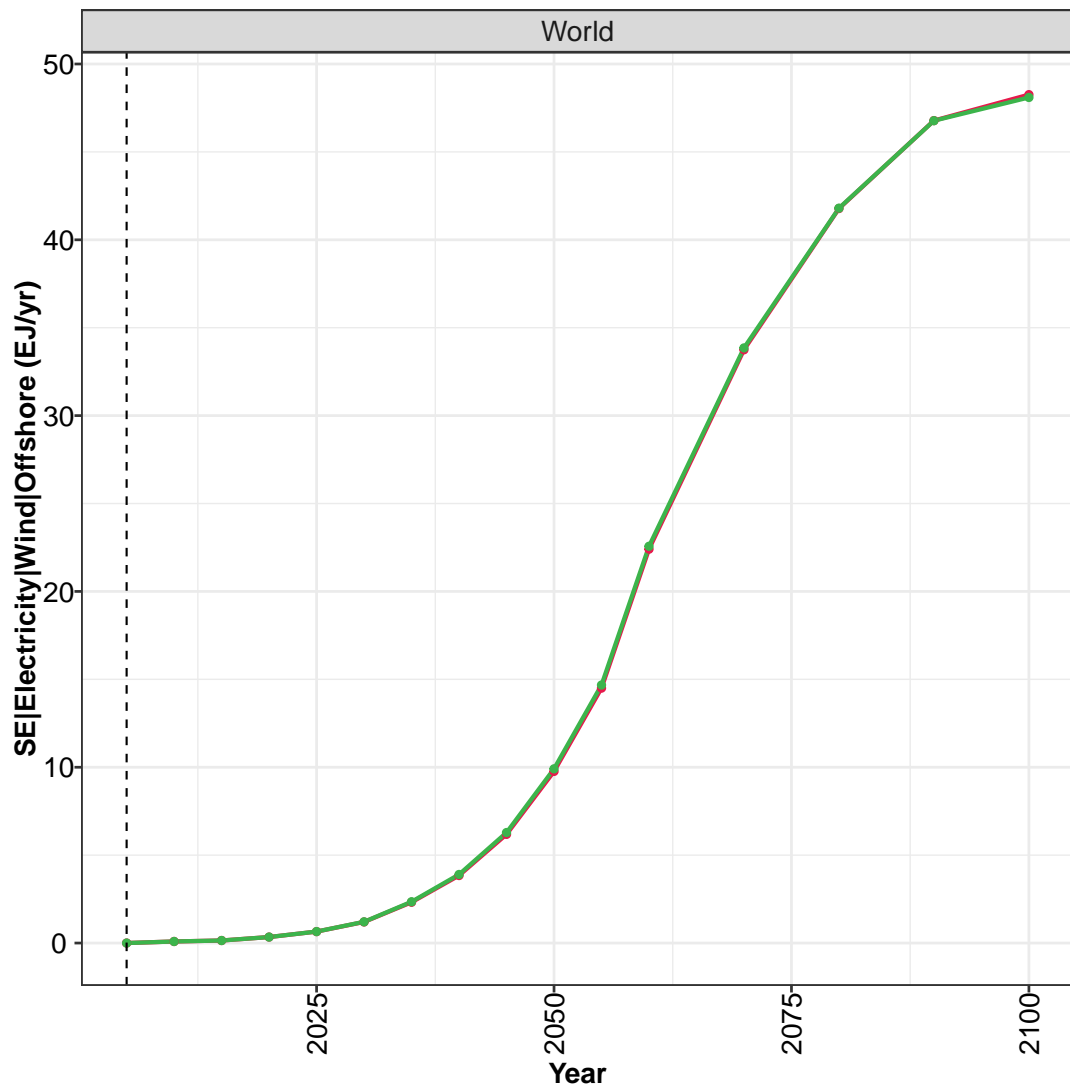
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- + IEA
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- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS
- + INNOPATHS



Model: REMIND

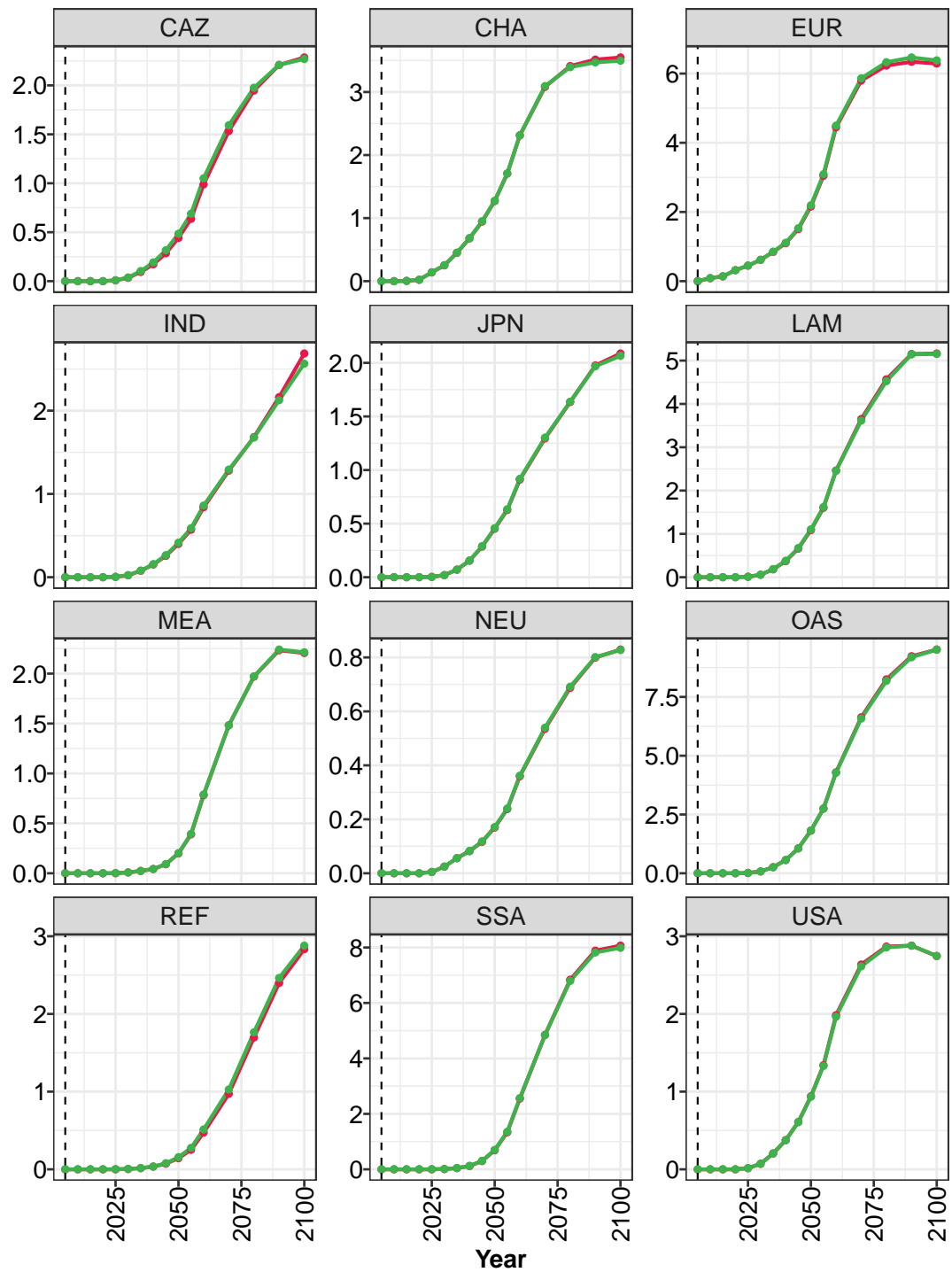
- SSP2EU-NPi-calibrate
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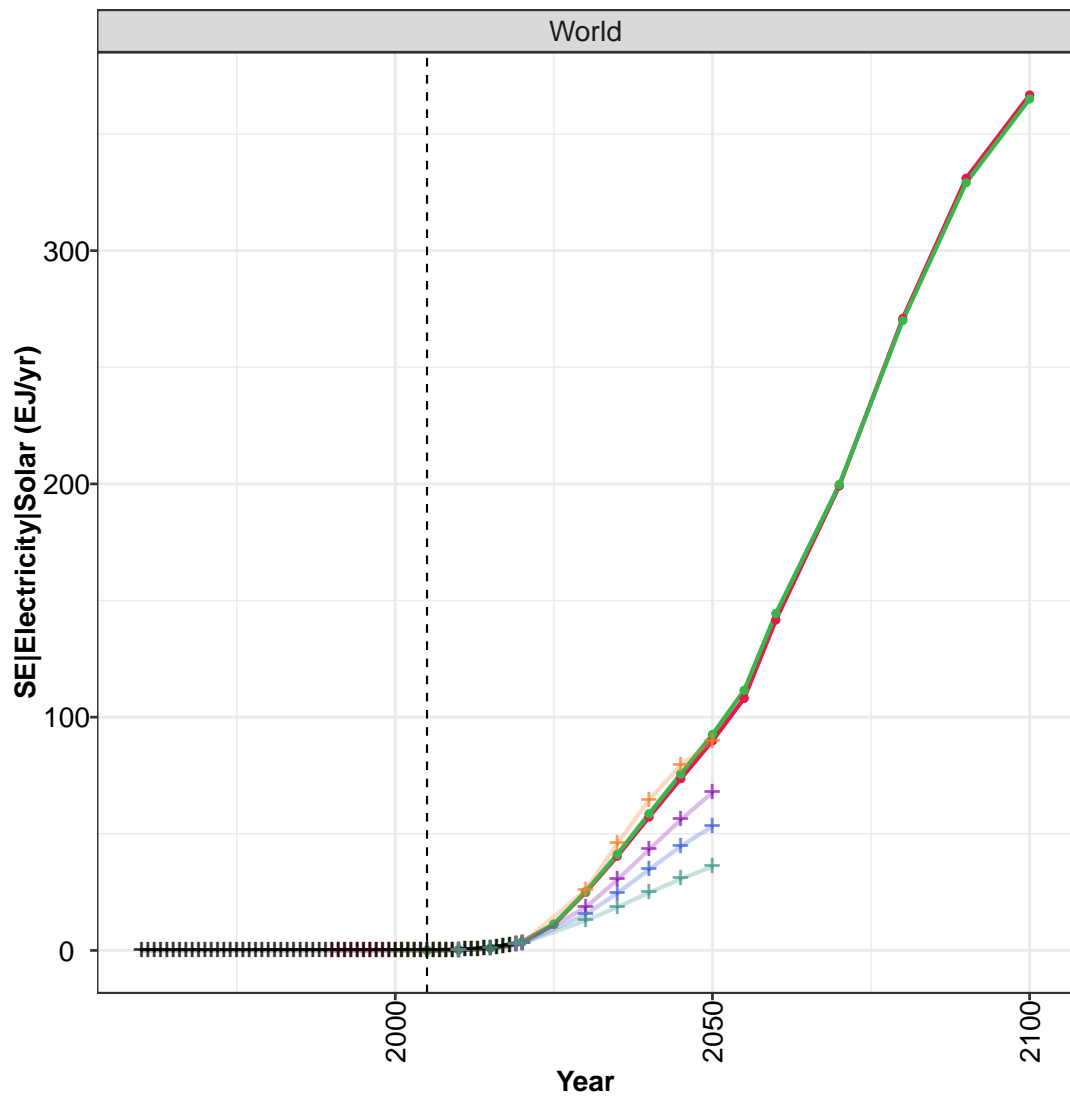




Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



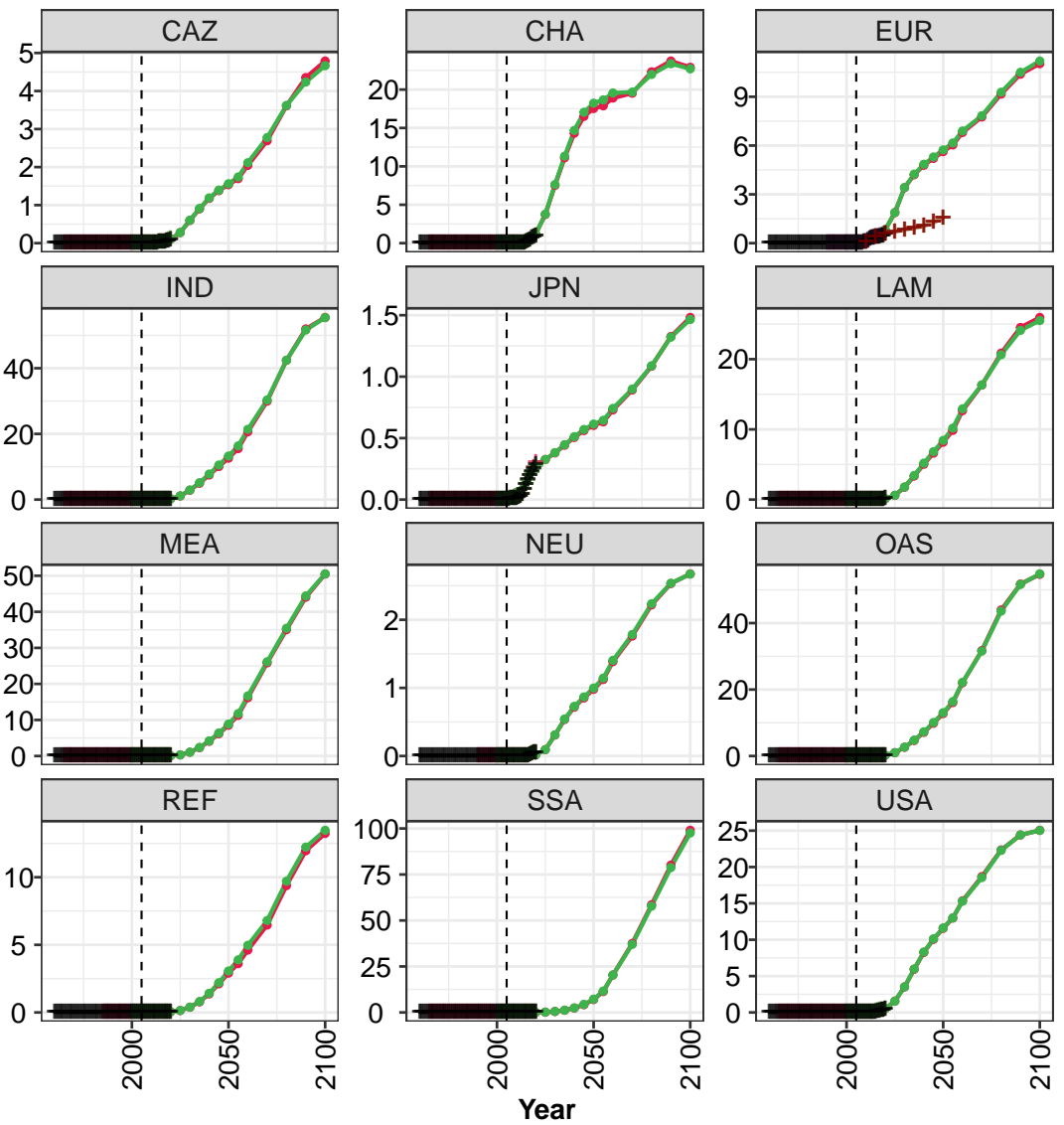


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + BP
- + Ember
- + IEA
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS

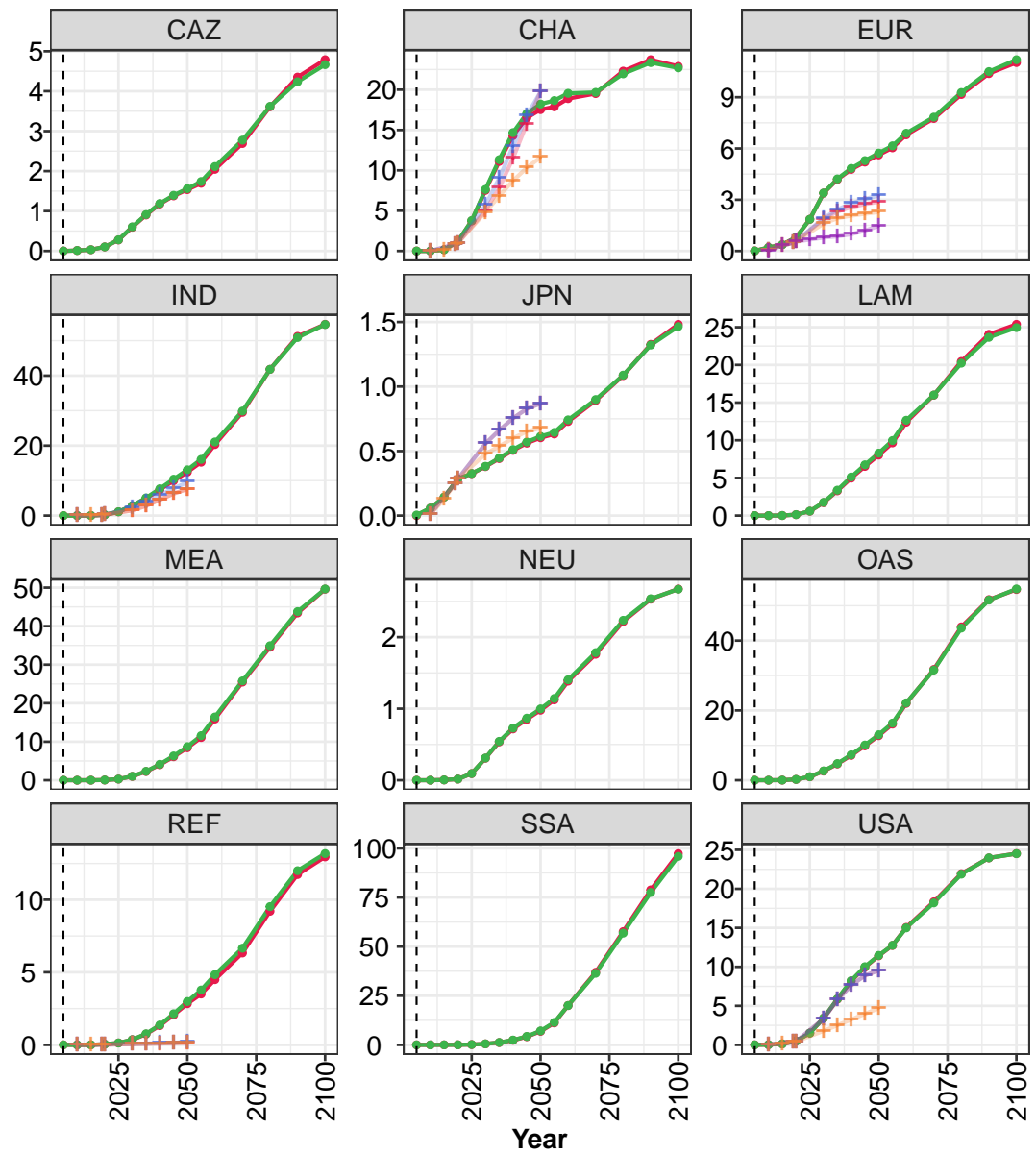
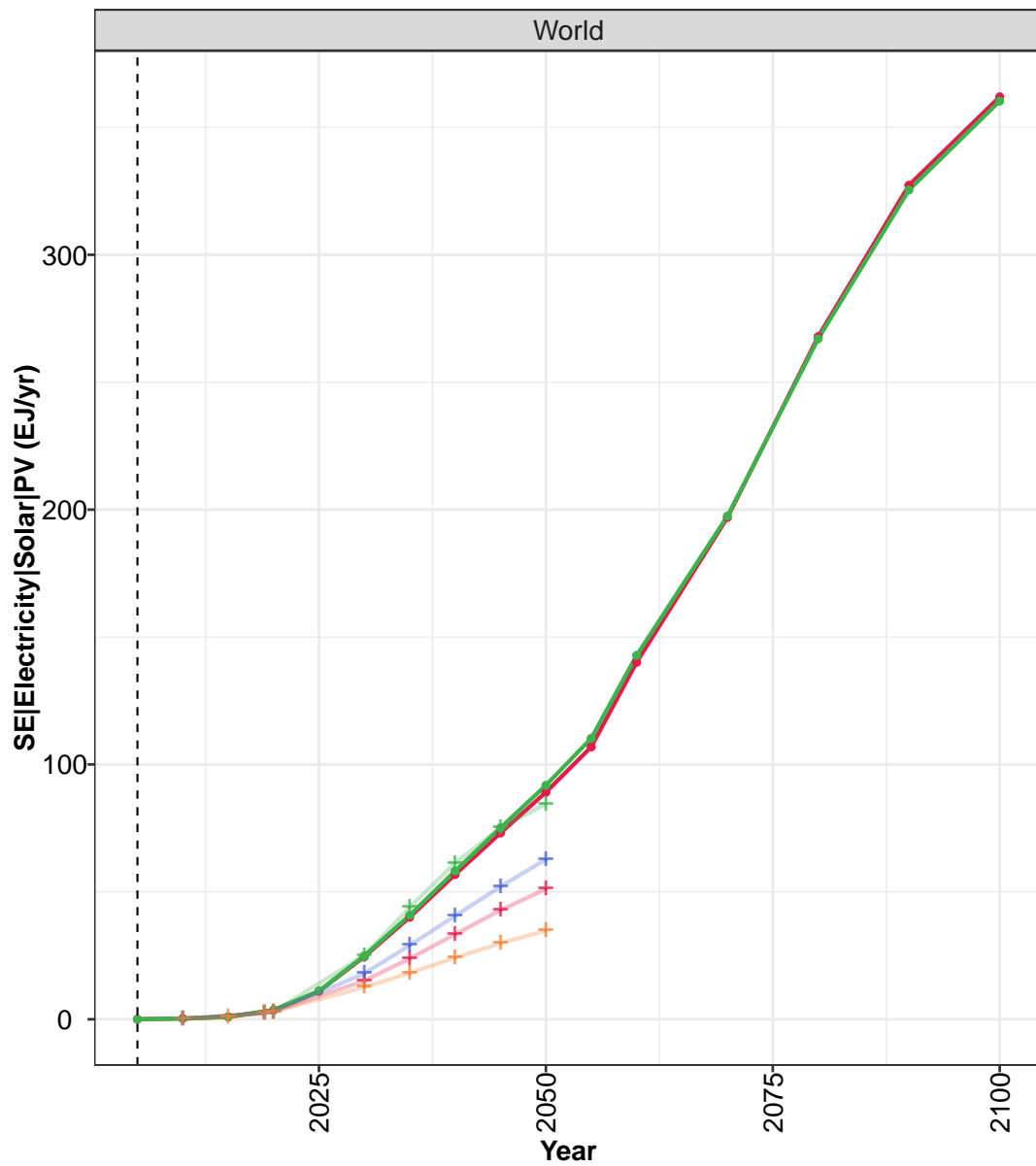


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + BP
- + Ember
- + EU_ReferenceScenario_2016
- + Eurostat
- + IEA
- + INNOPATHS



Model: REMIND

- +— SSP2EU-NPi-calibrate
- +— SSP2EU-NPi-calibrate-ETPfix

Historical data

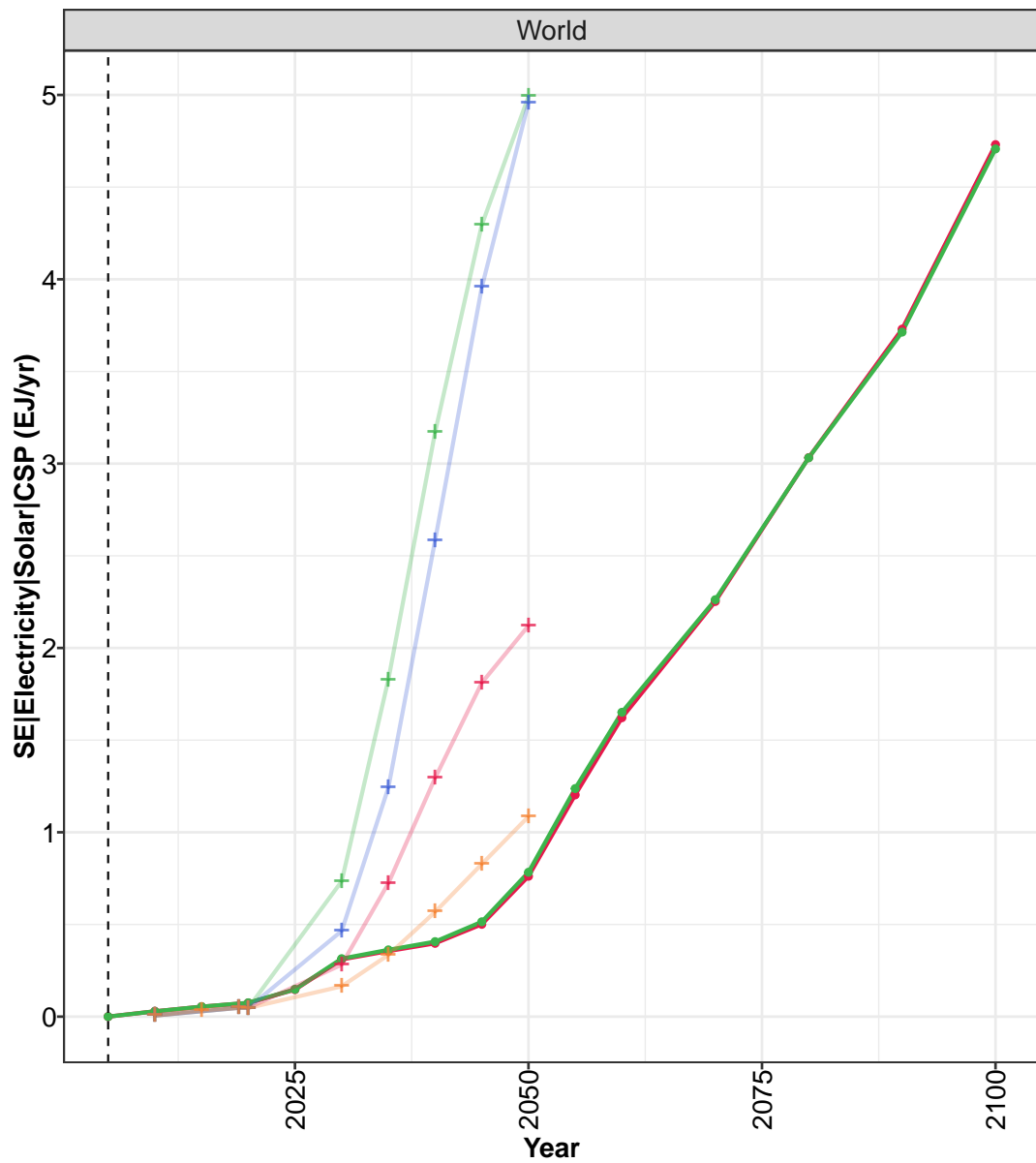
- + IEA WEO 2021 APS
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- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS

Model: REMIND

- +— SSP2EU-NPi-calibrate
- +— SSP2EU-NPi-calibrate-ETPfix

Historical data

- + IEA WEO 2021 APS
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS
- + INNOPATHS

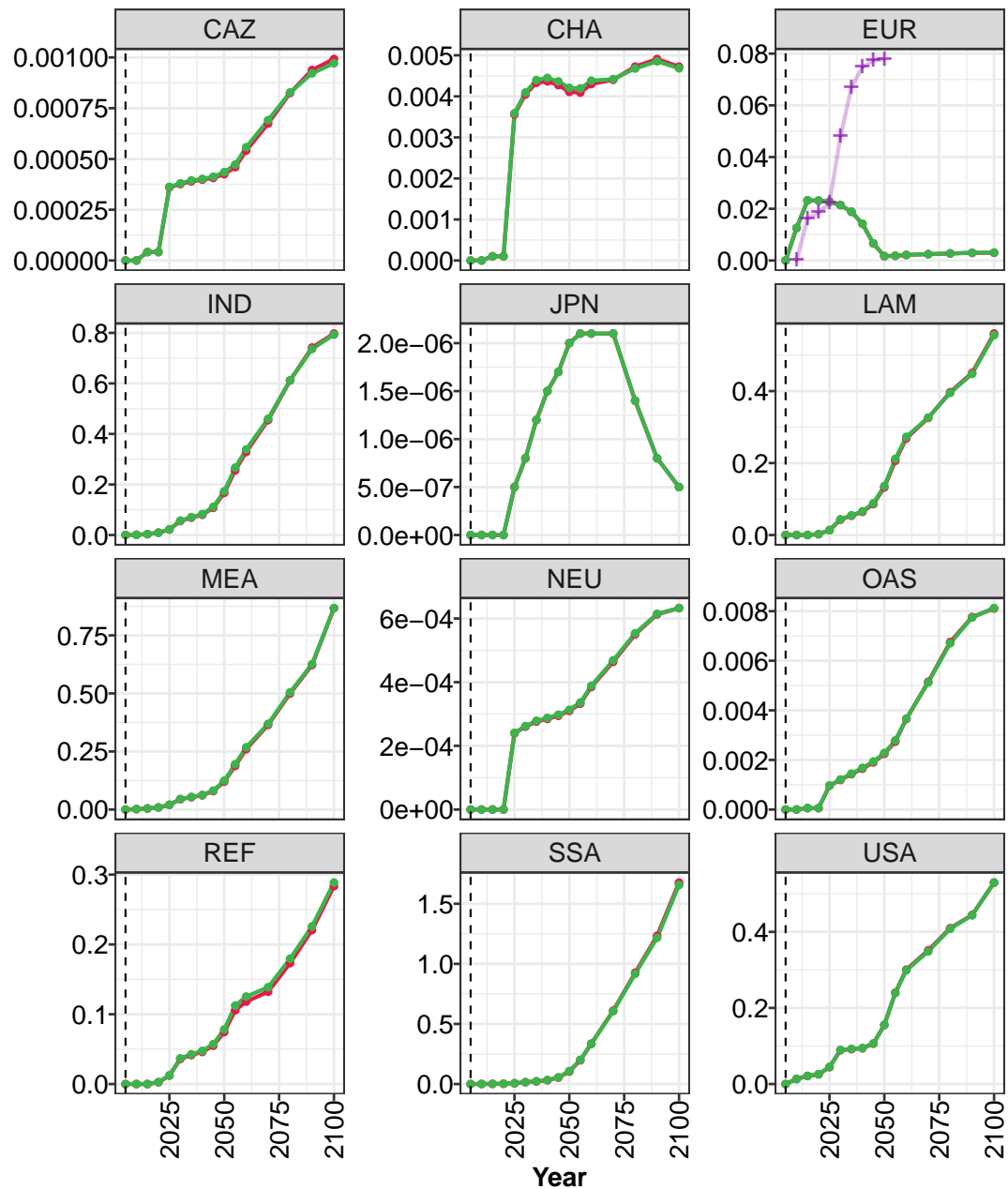


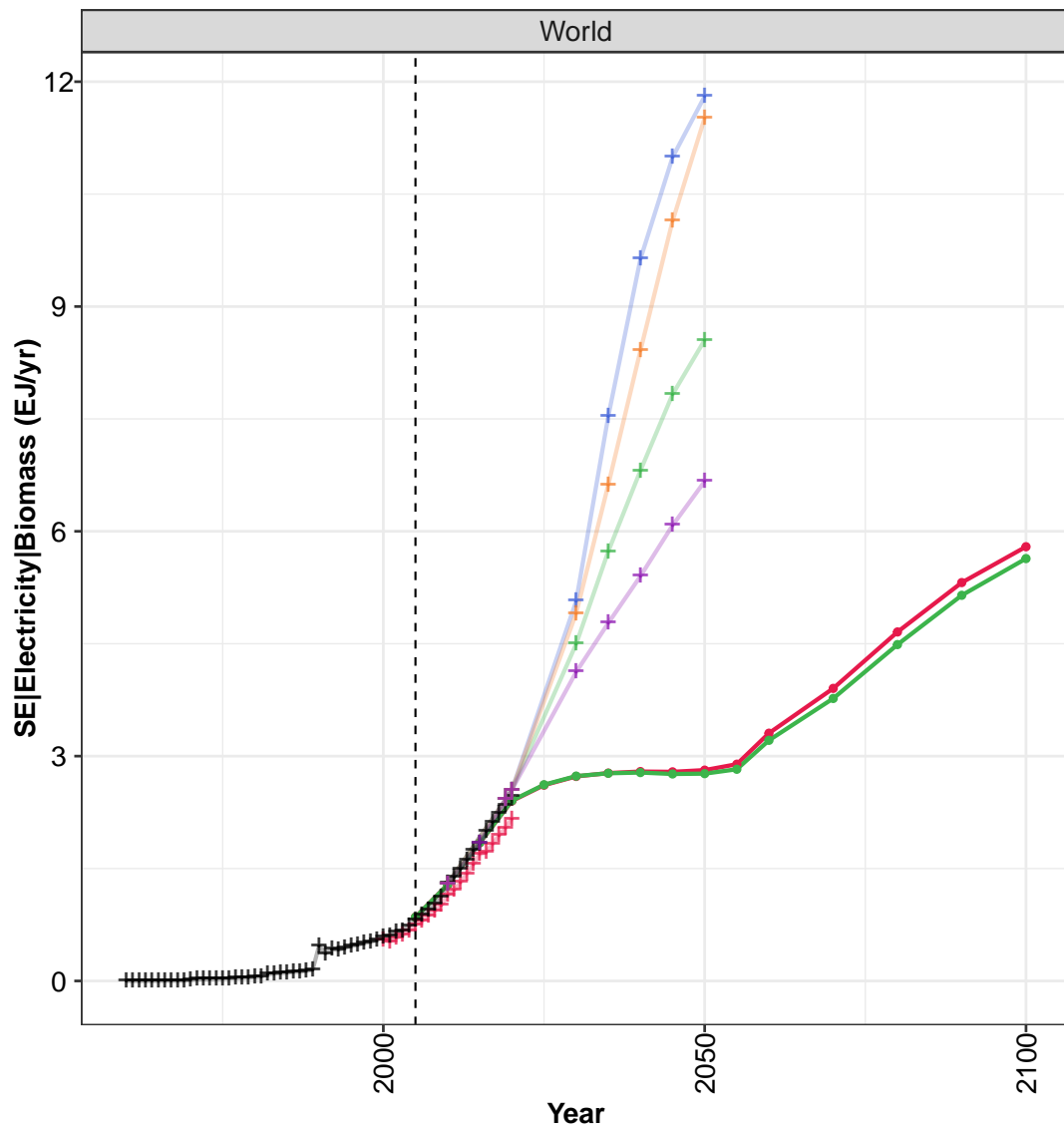
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- IEA WEO 2021 APS
- IEA WEO 2021 Net2050
- IEA WEO 2021 SDS
- IEA WEO 2021 SPS



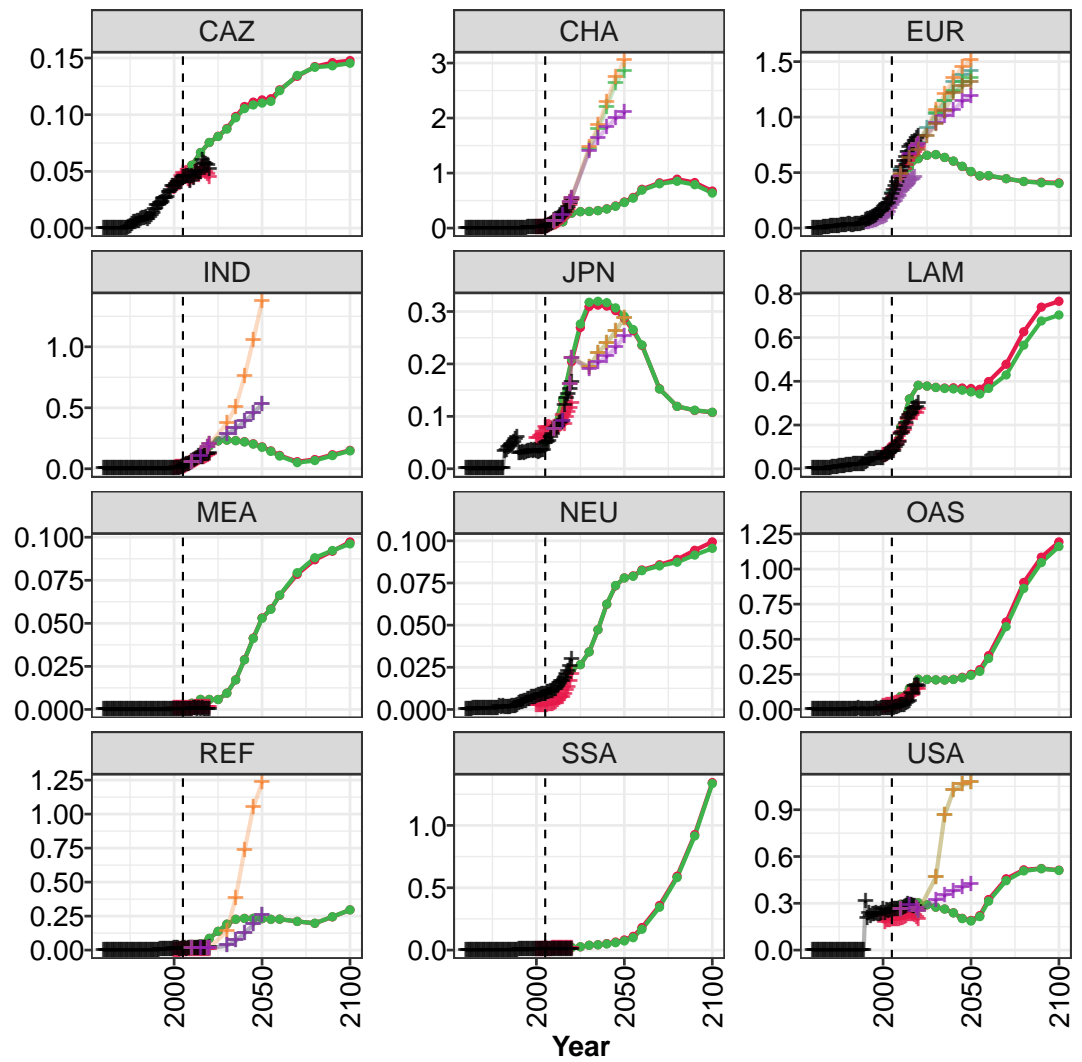


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + Ember
- + IEA
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS

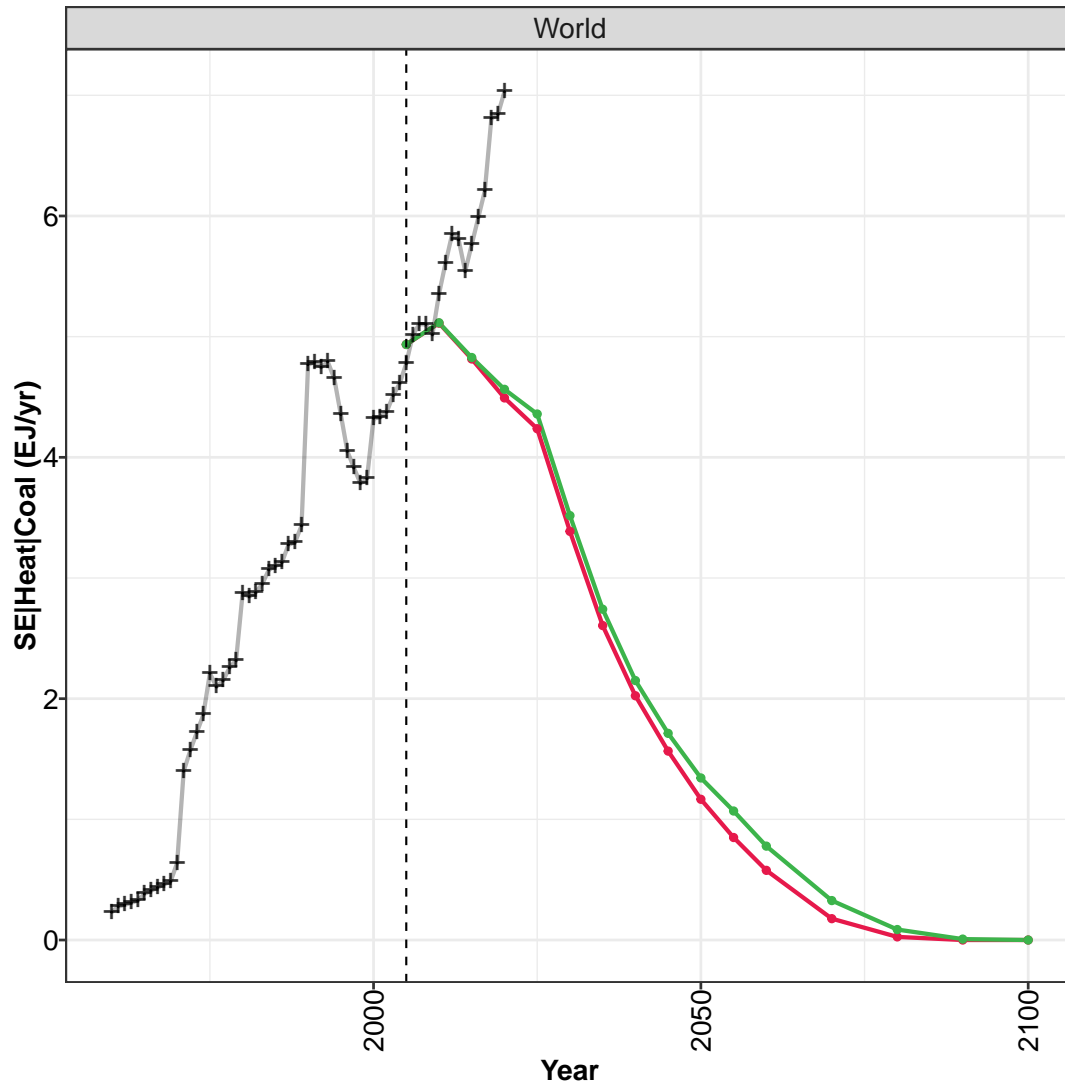


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + Ember
- + EU_ReferenceScenario_2016
- + Eurostat
- + IEA
- + IEA WEO 2021 APS
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS
- + INNOPATHS

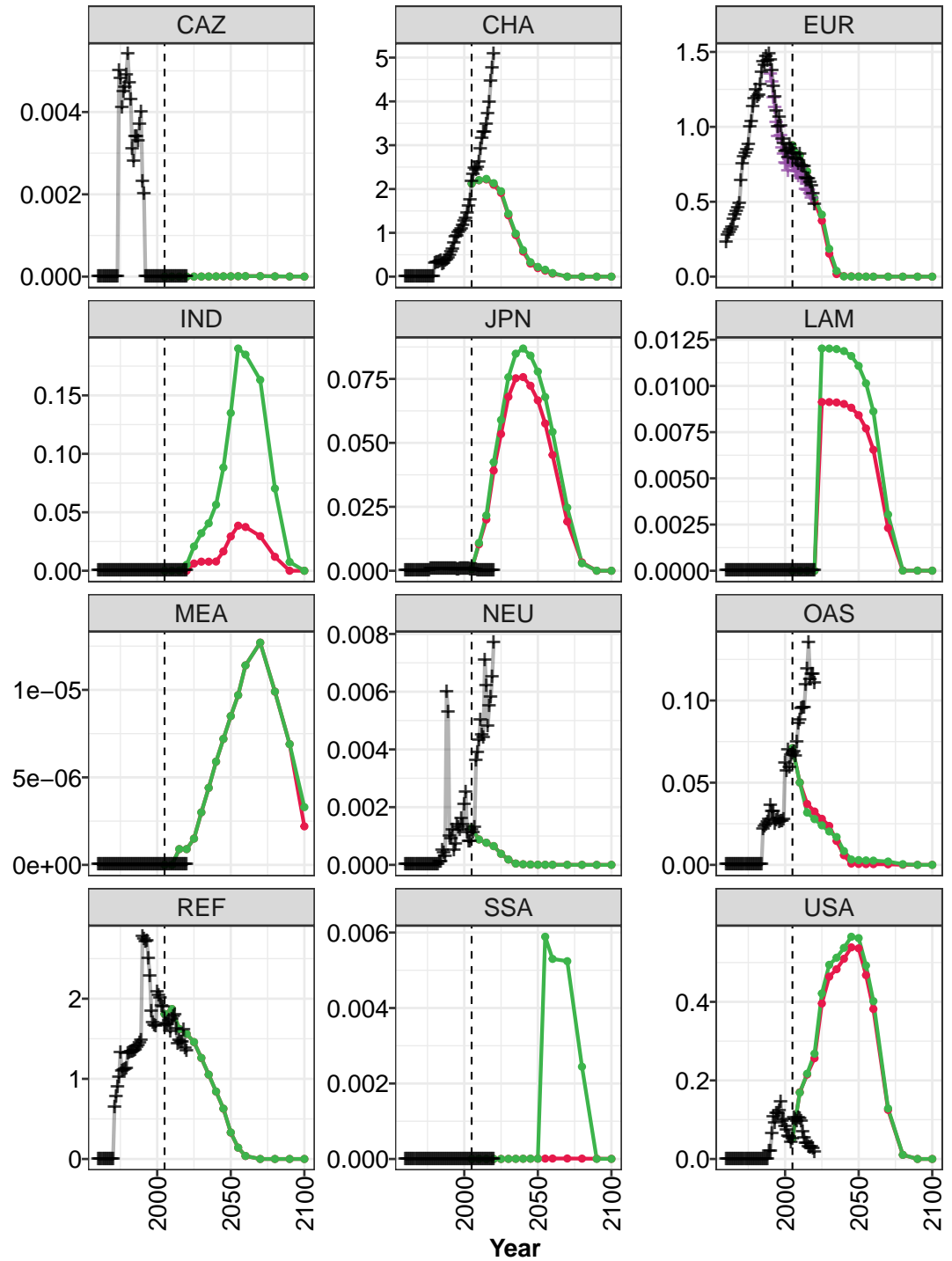


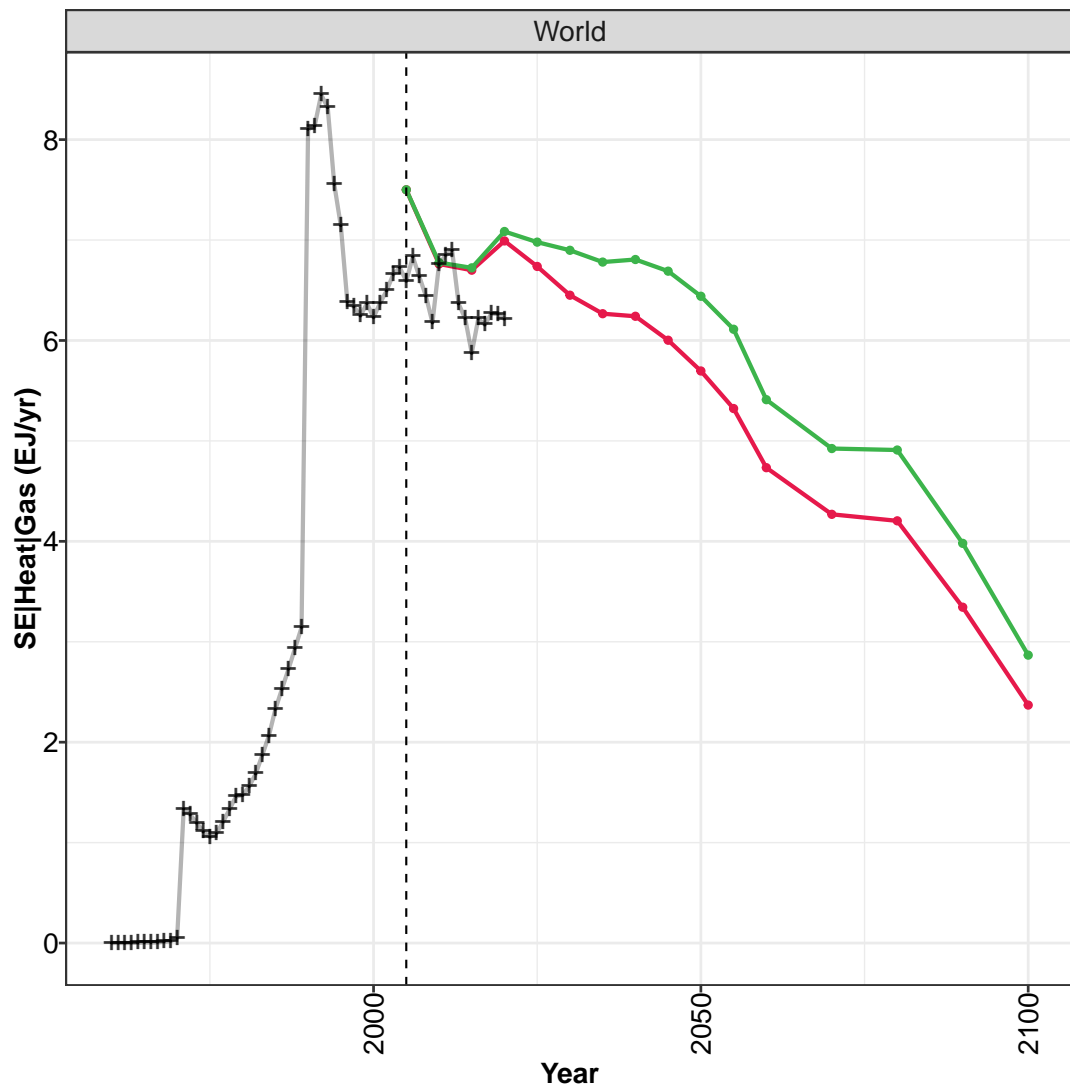
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + Eurostat
- + IEA



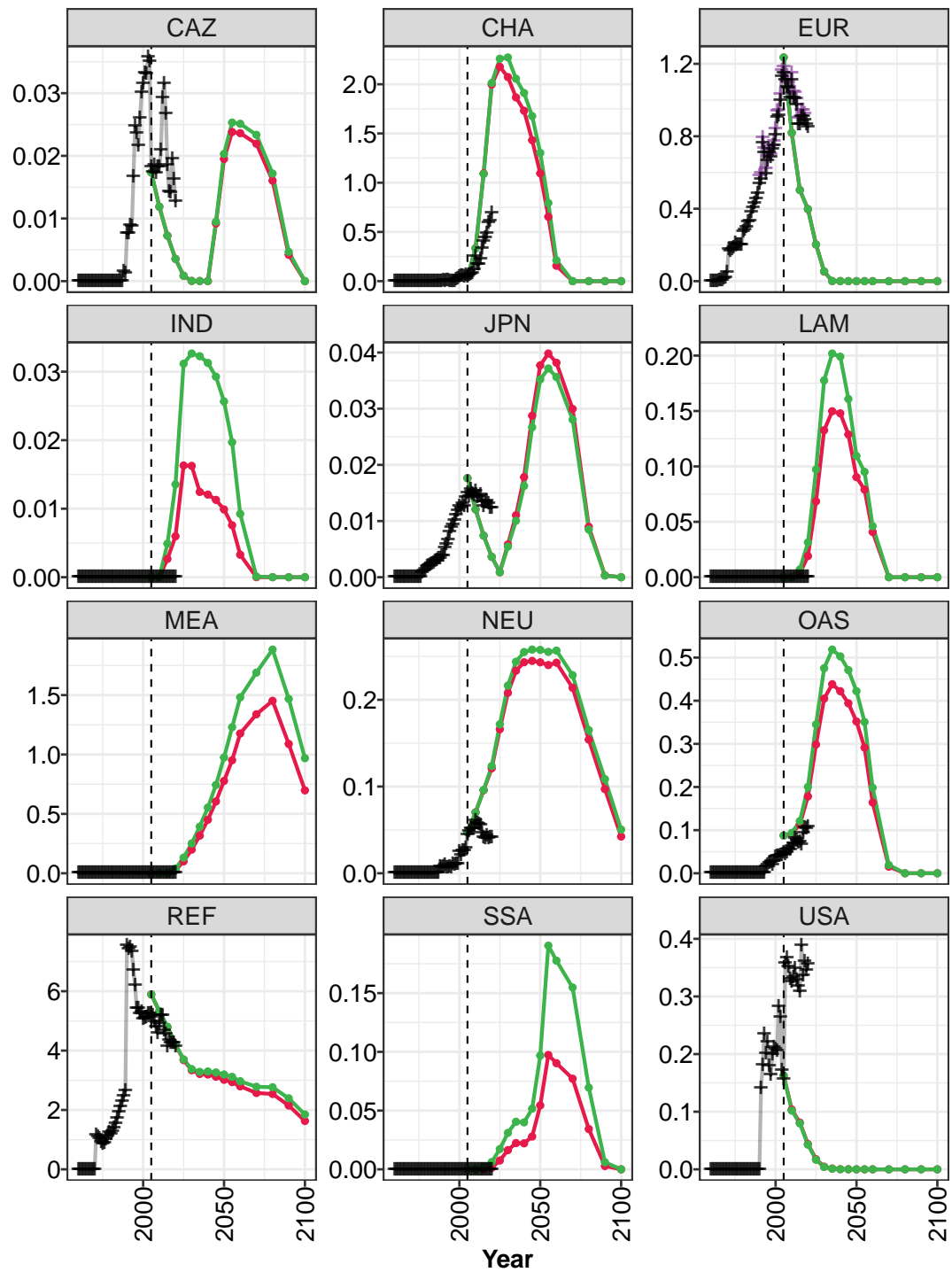


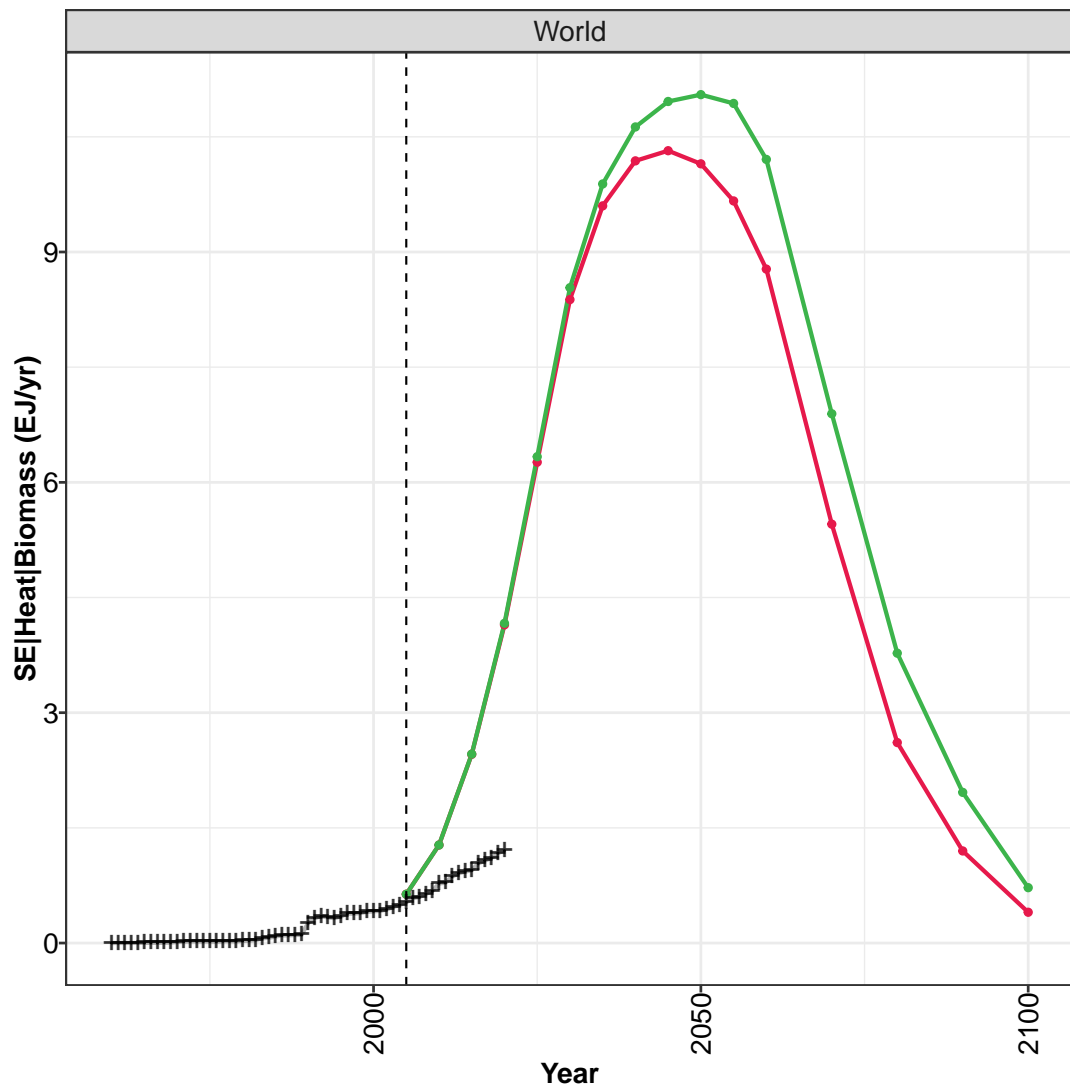
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + Eurostat
- + IEA



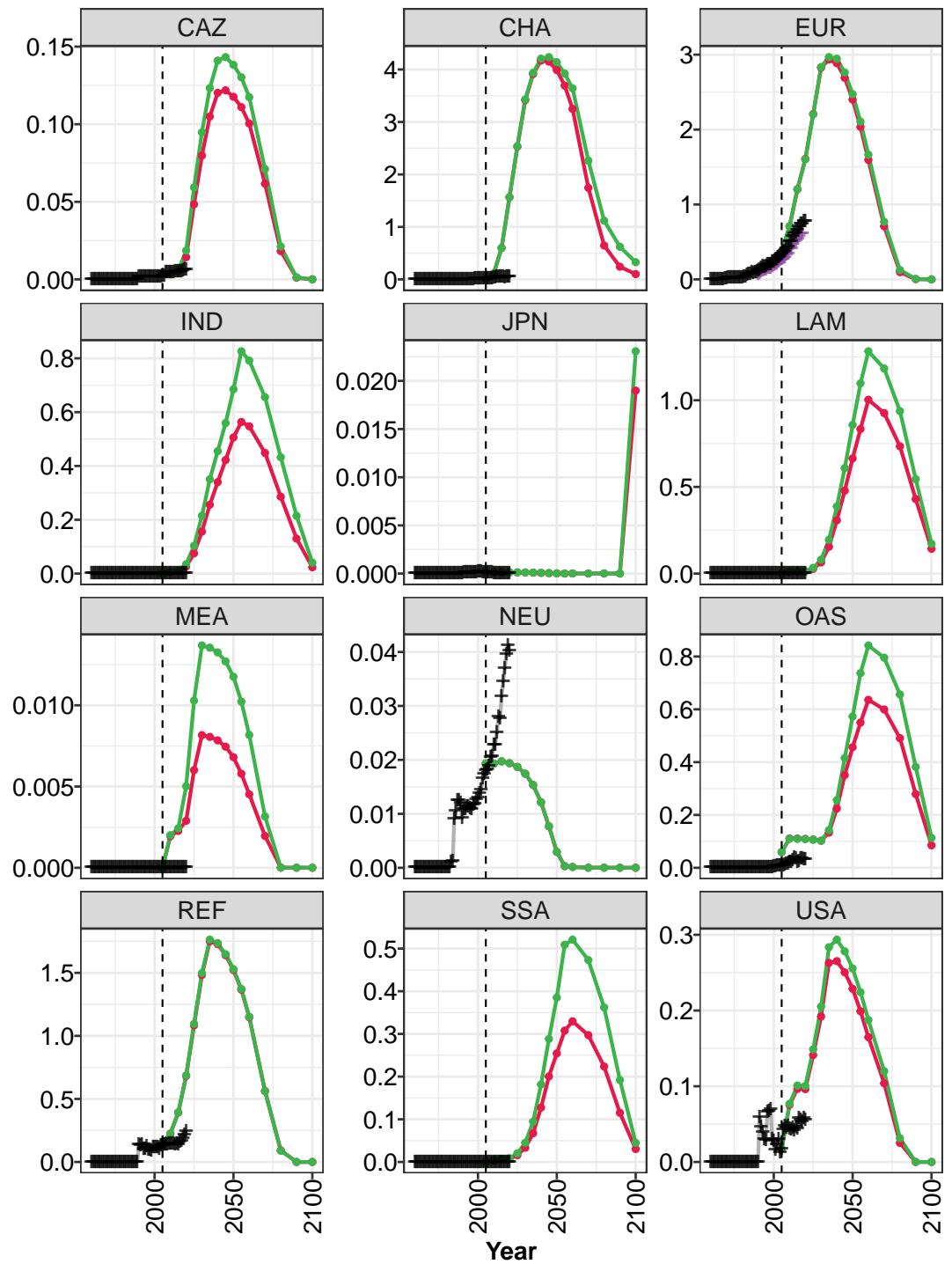


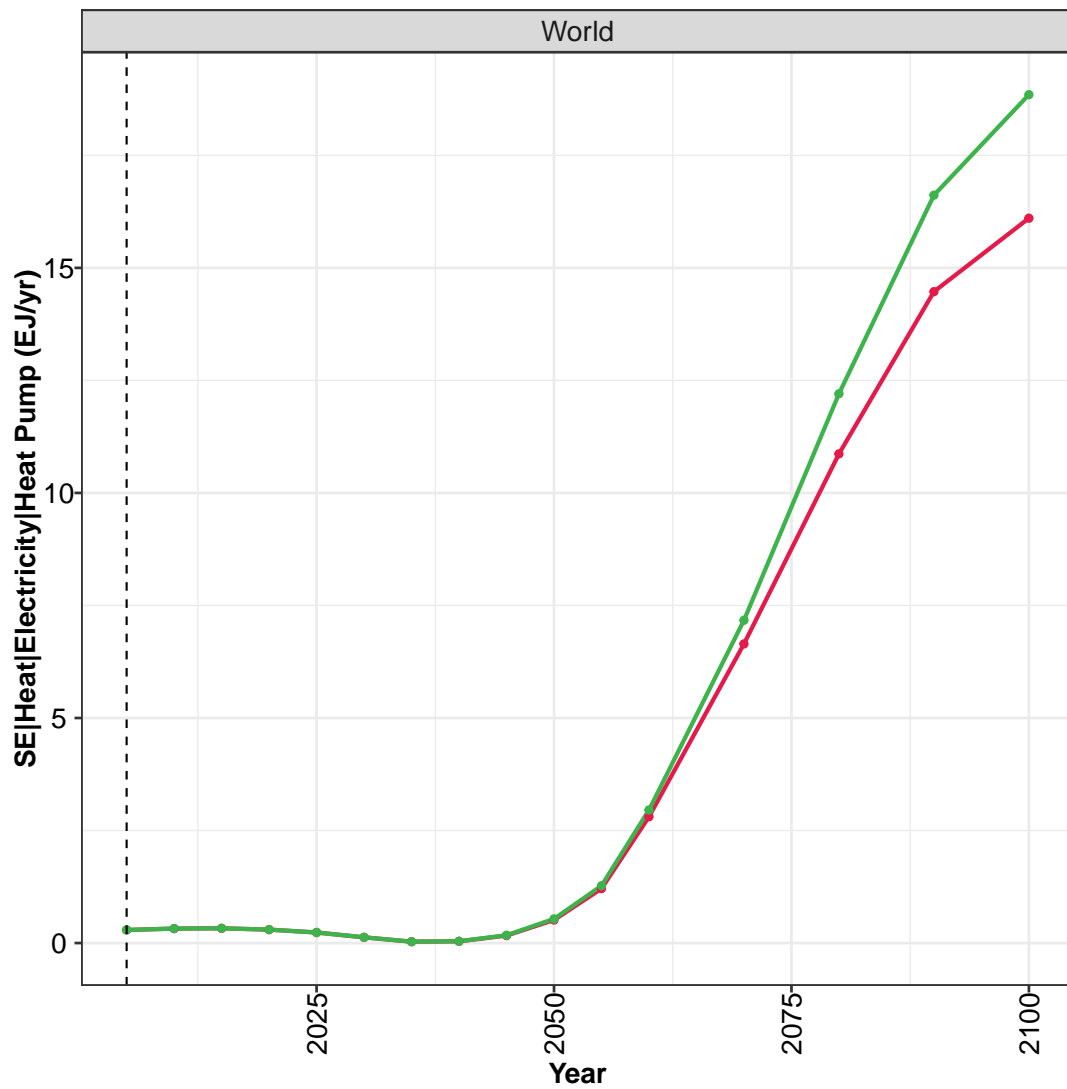
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

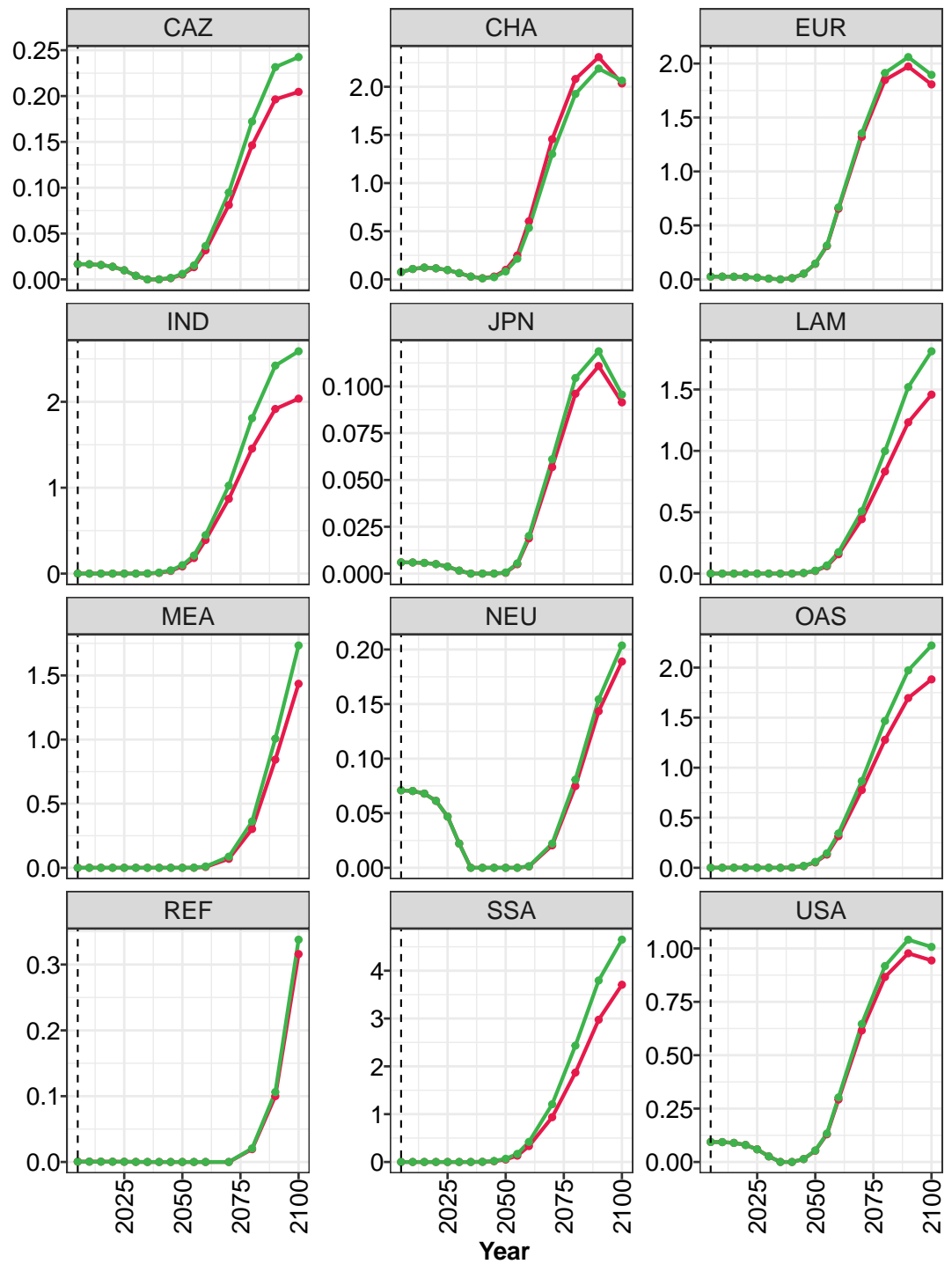
- + Eurostat
- + IEA



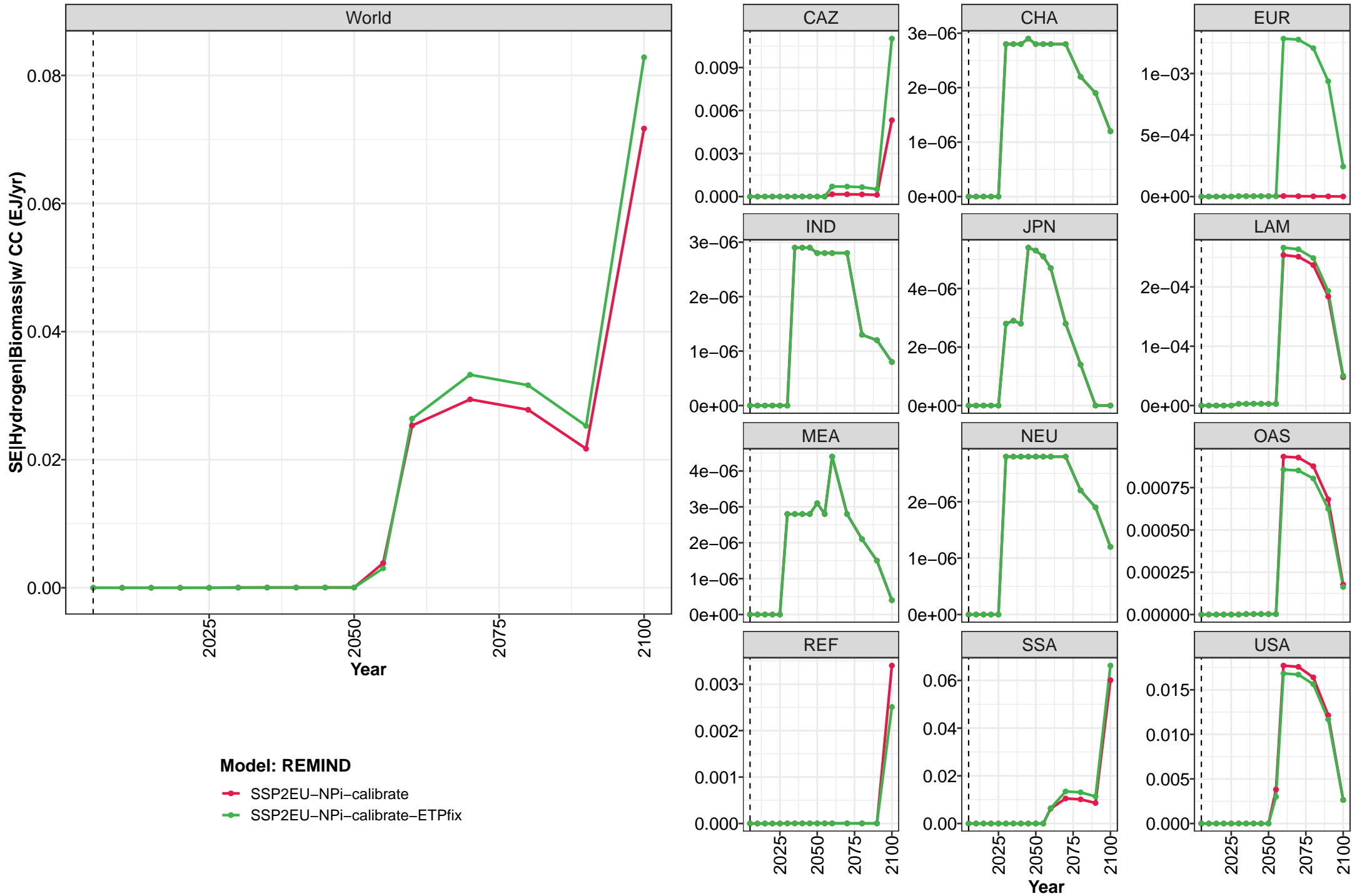


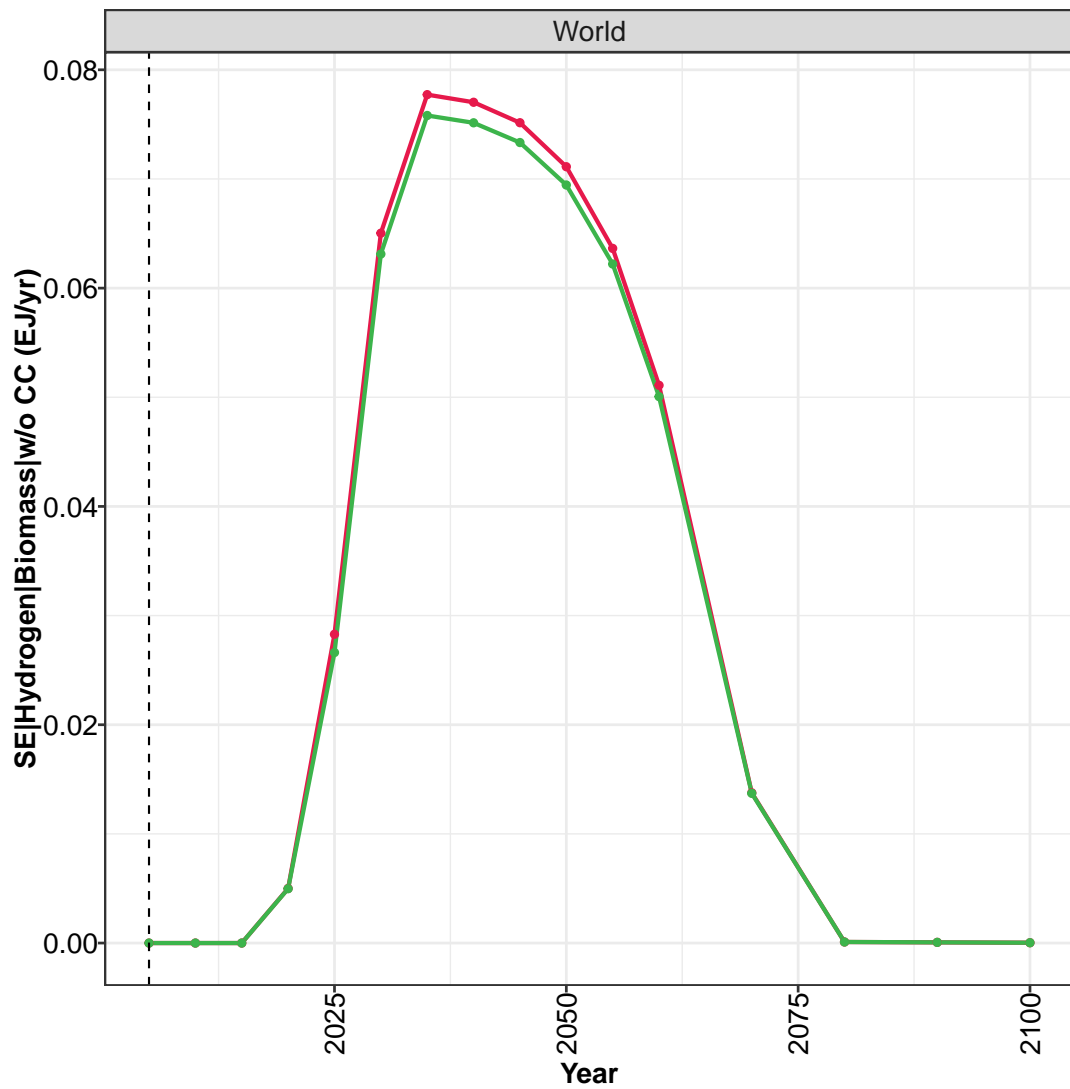
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



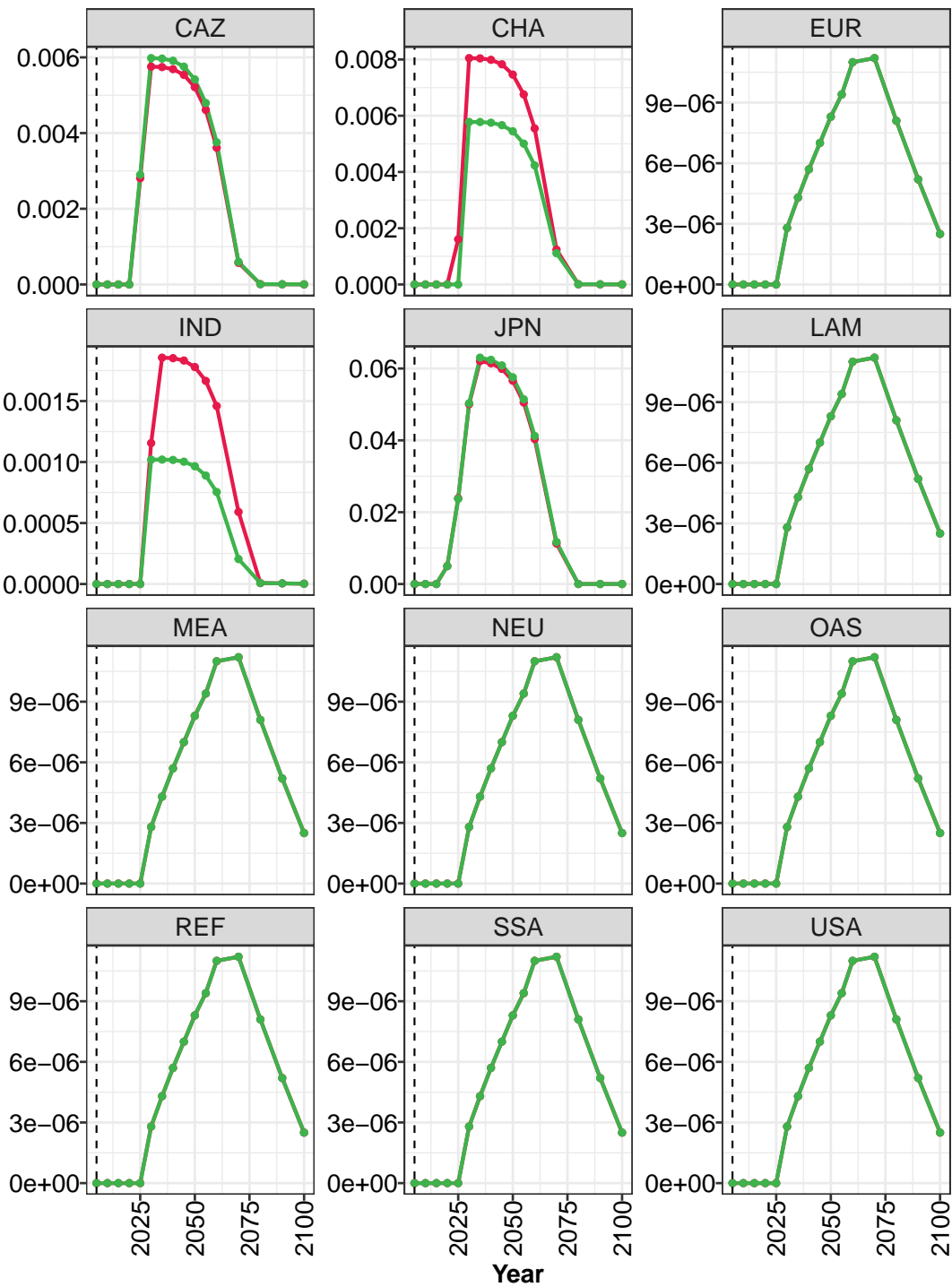
4.8.3 SE Hydrogen

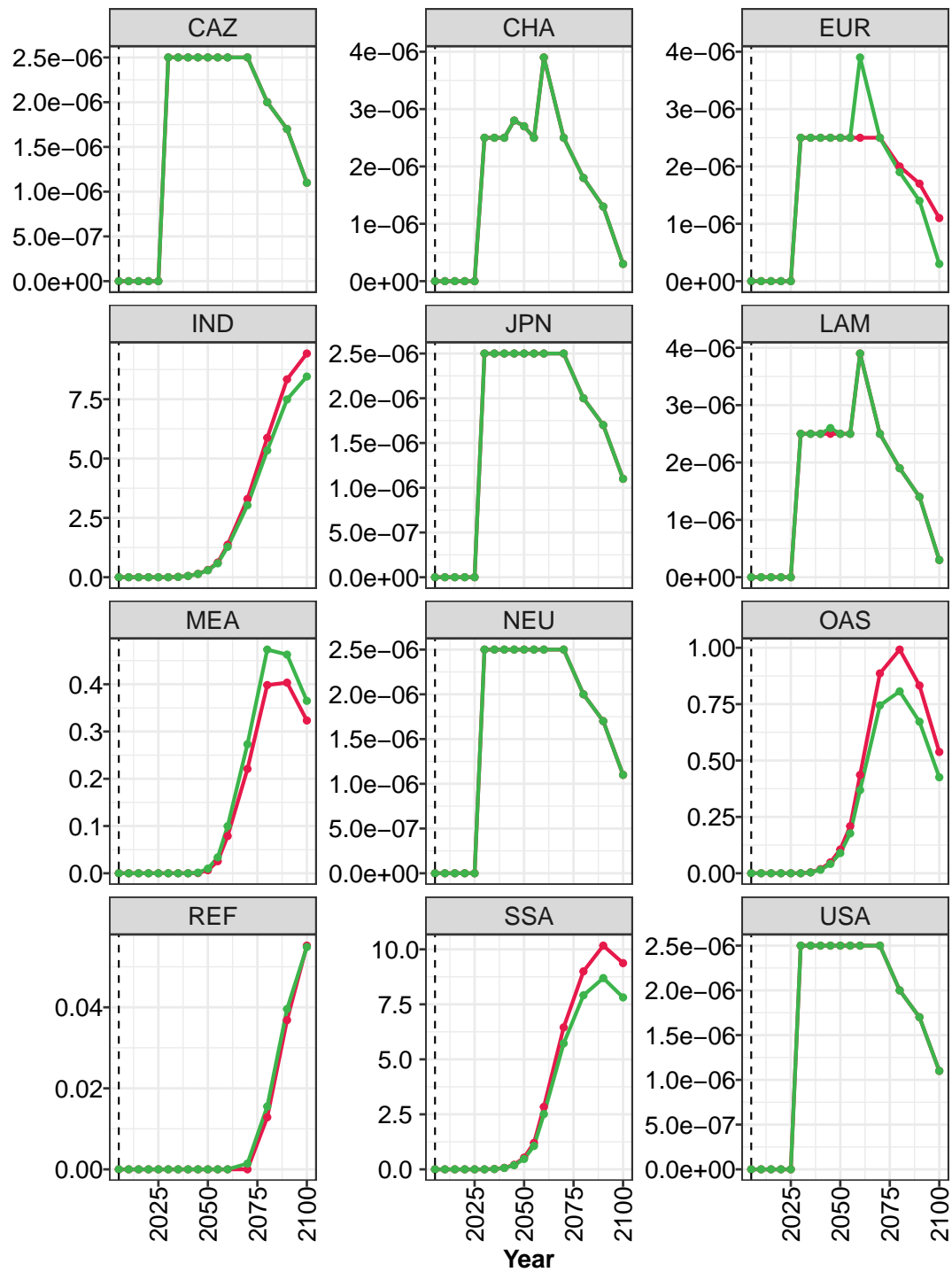
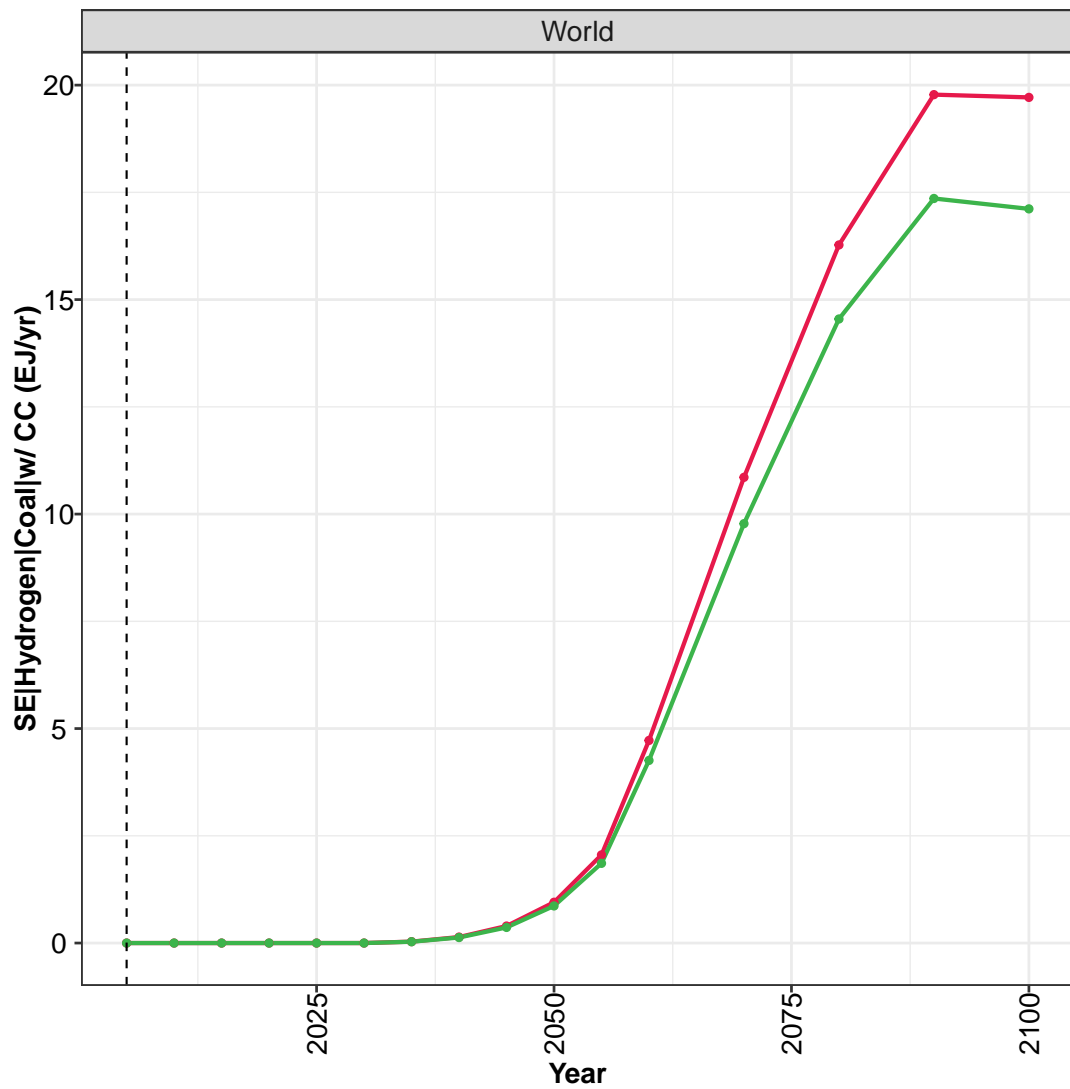


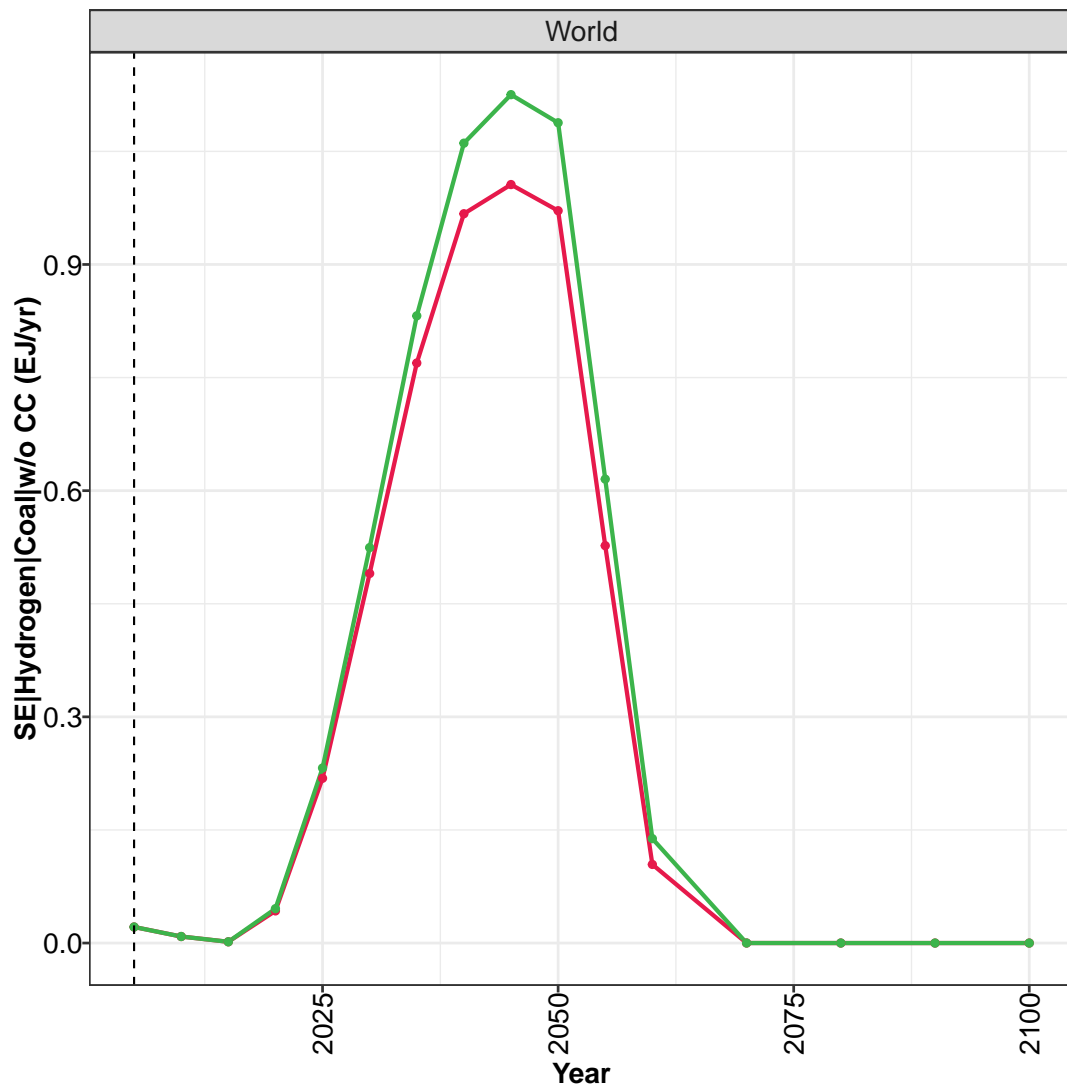


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

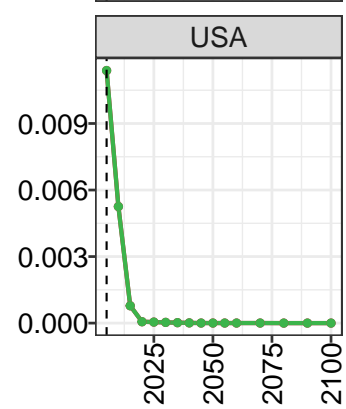
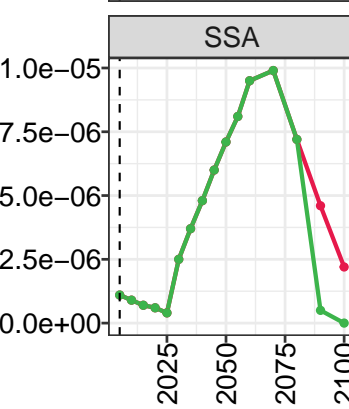
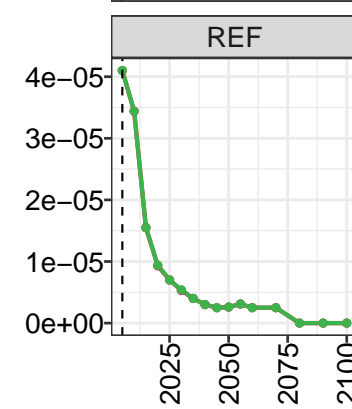
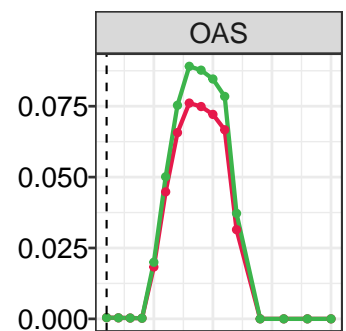
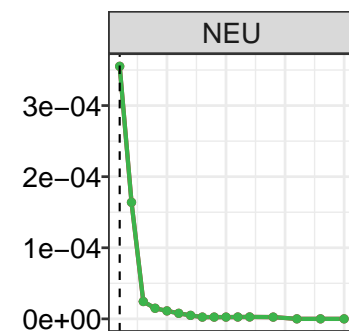
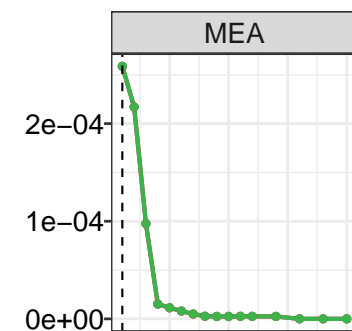
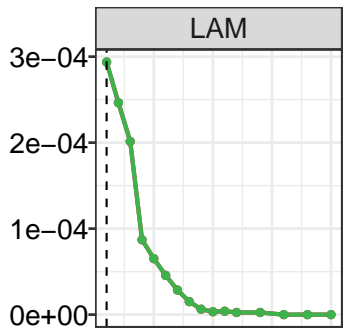
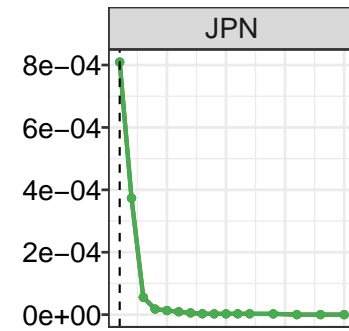
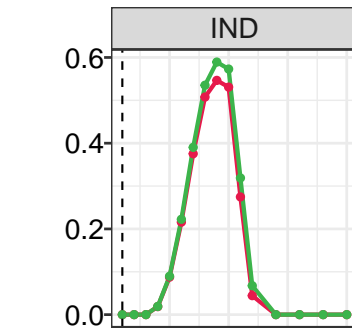
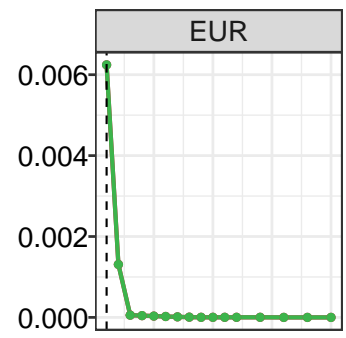
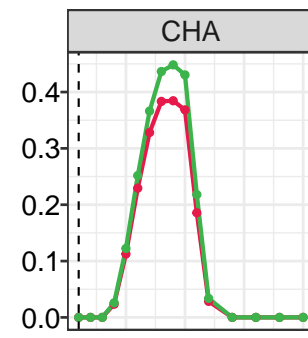
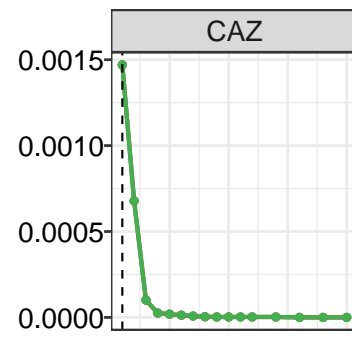


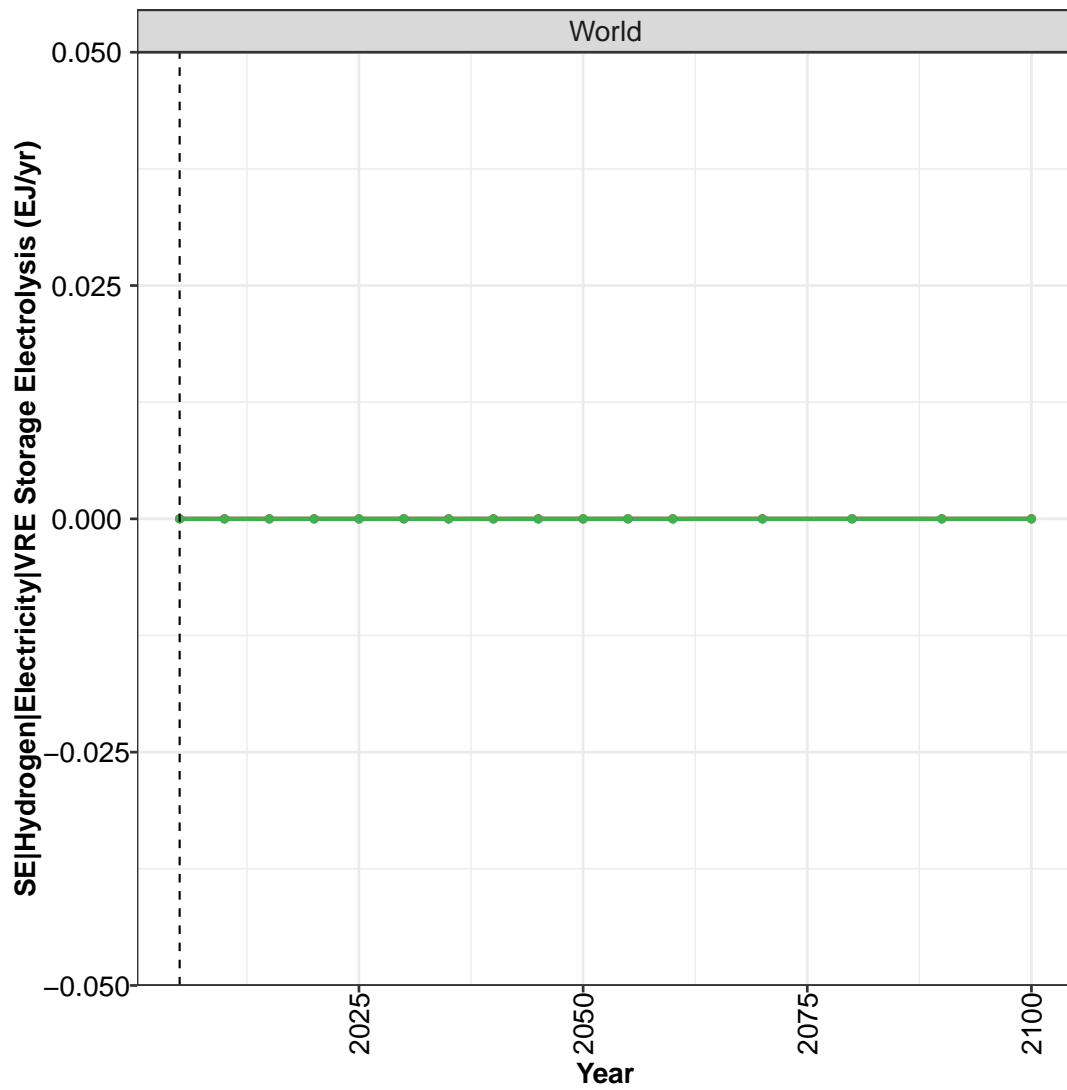




Model: REMIND

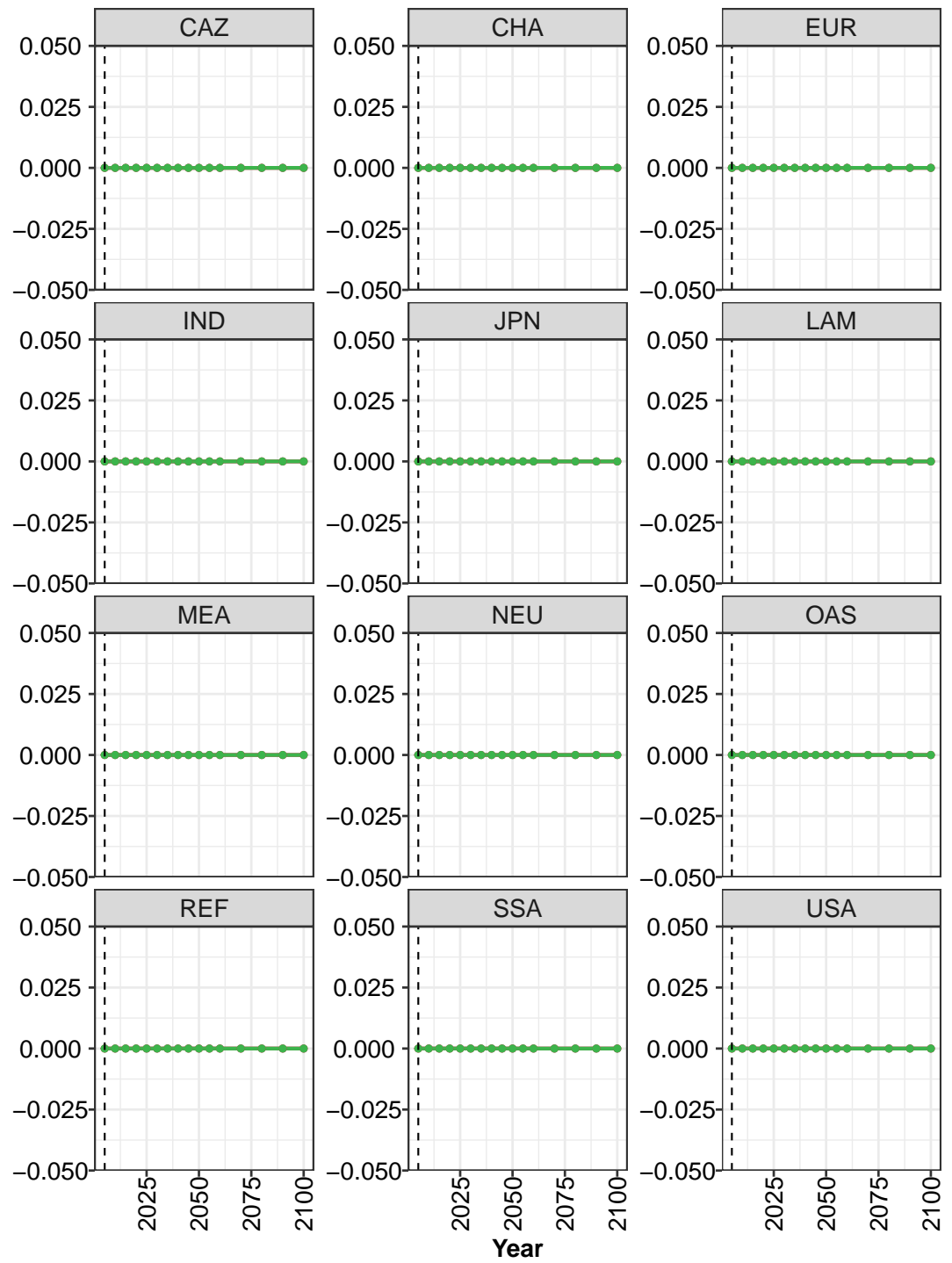
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

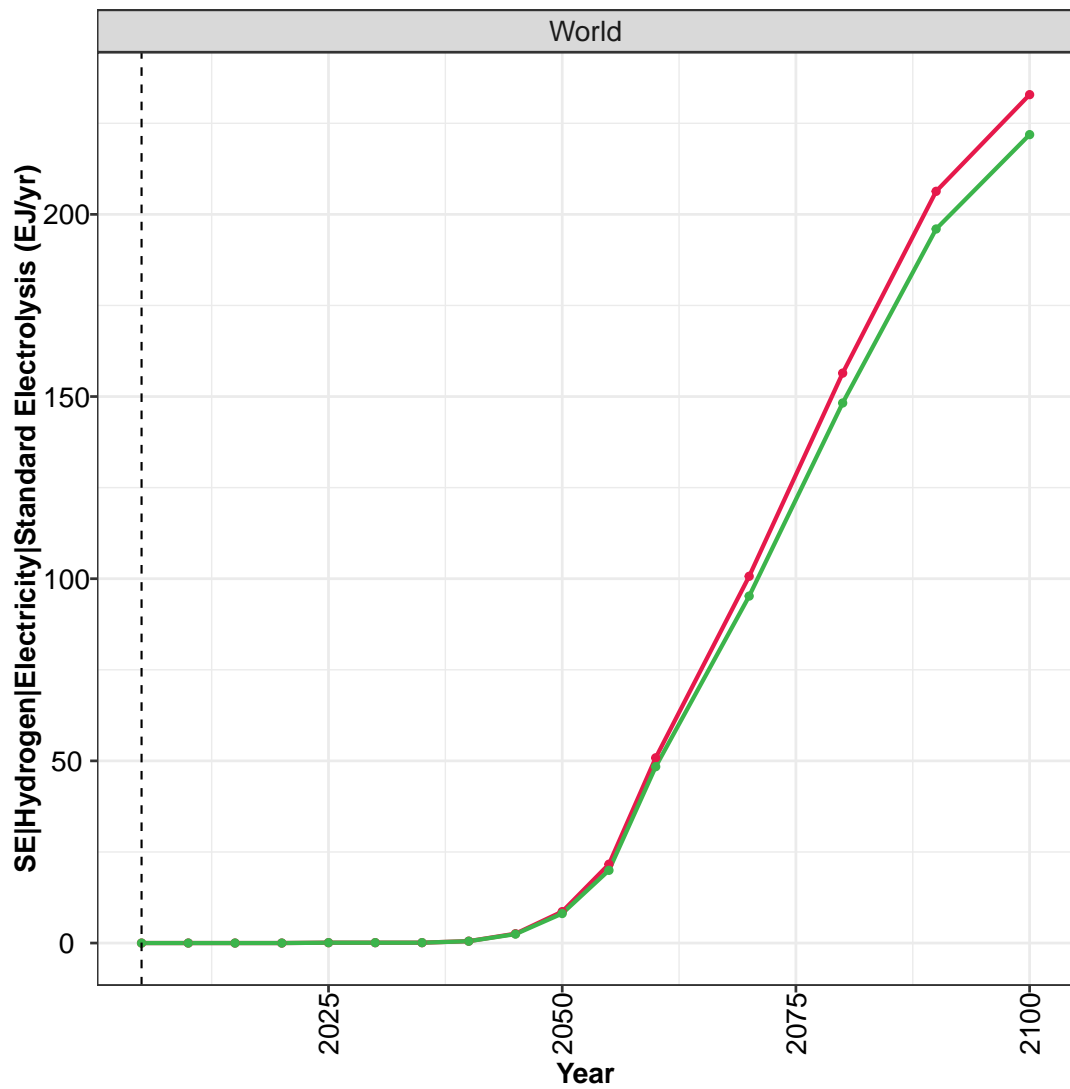




Model: REMIND

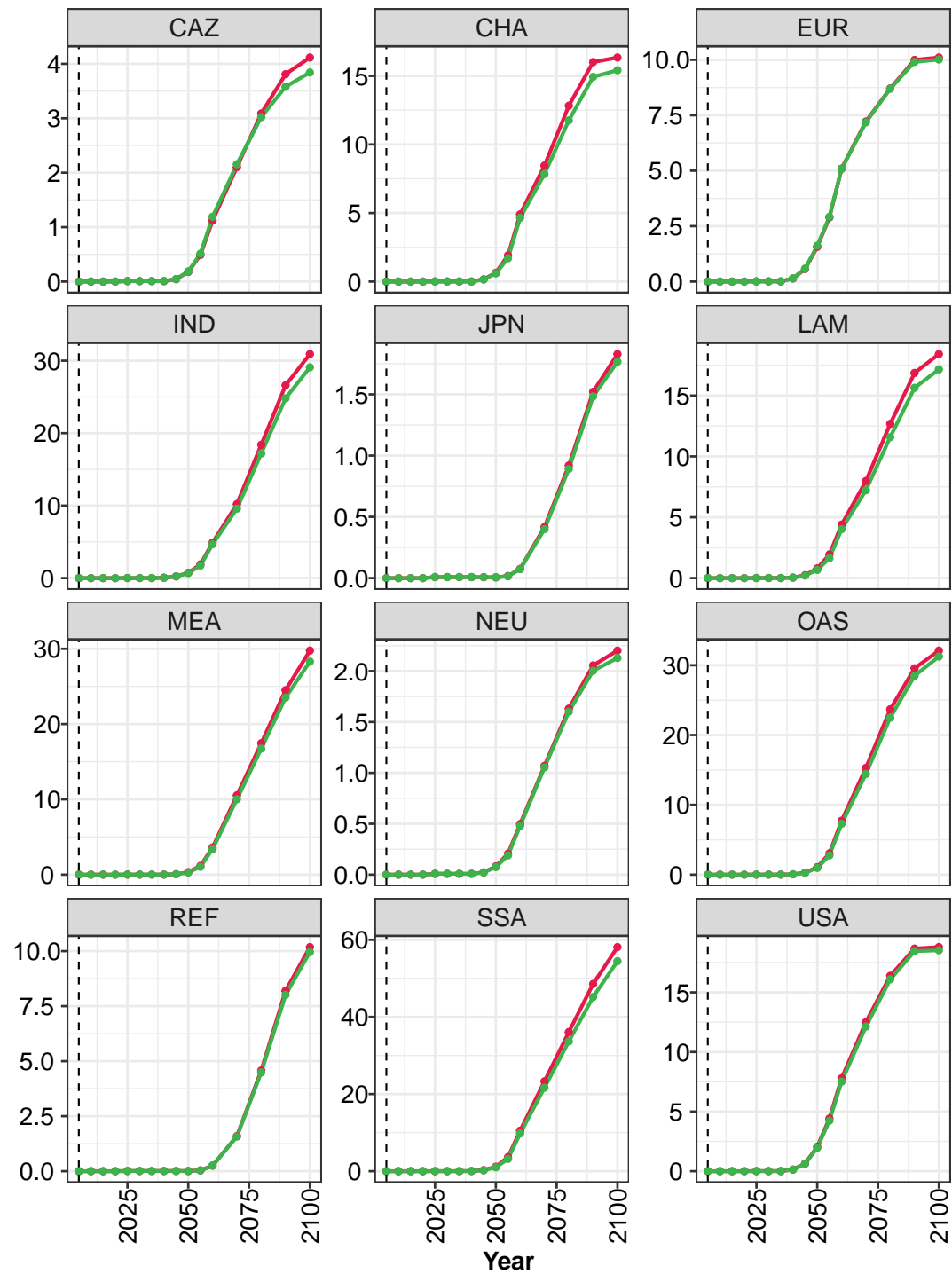
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

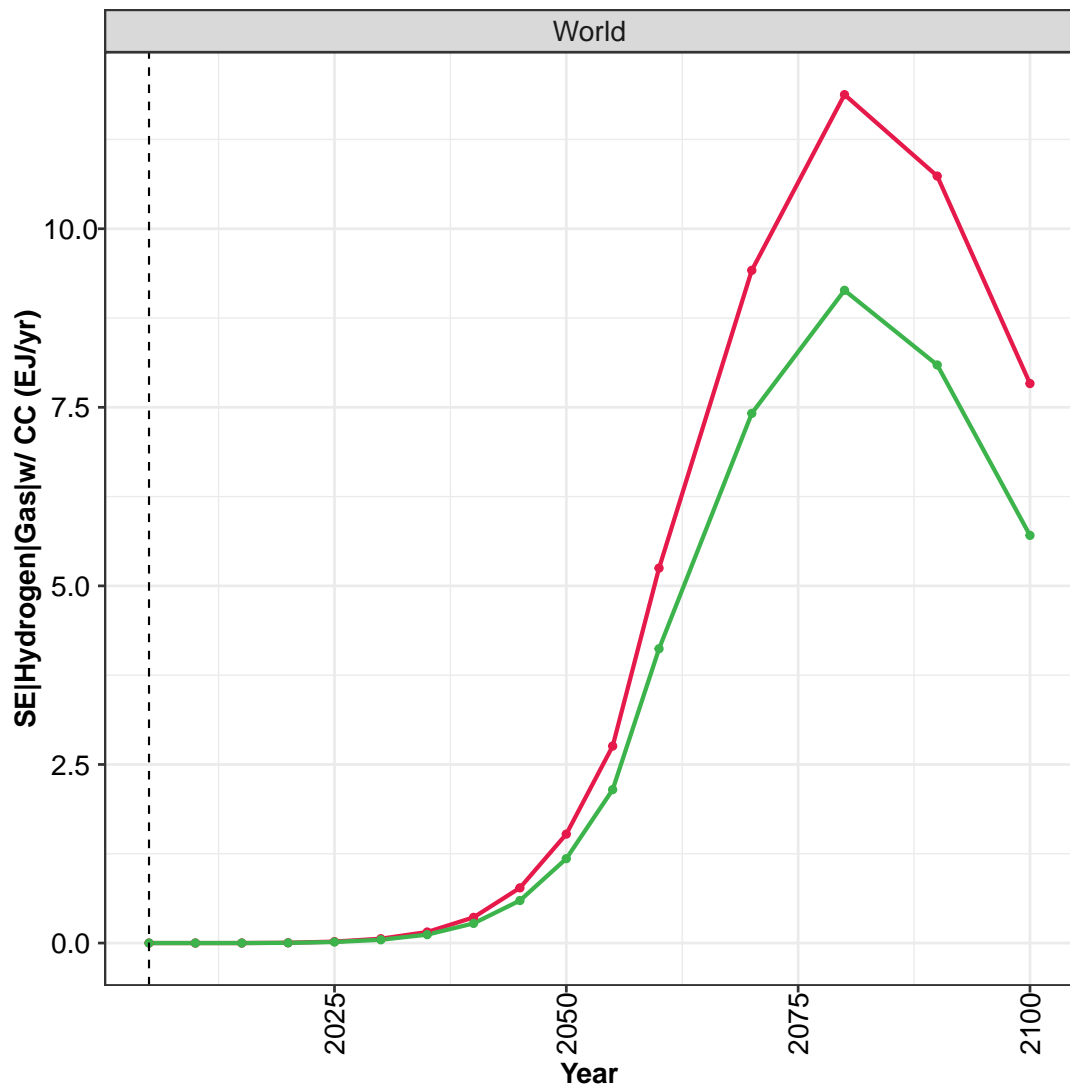




Model: REMIND

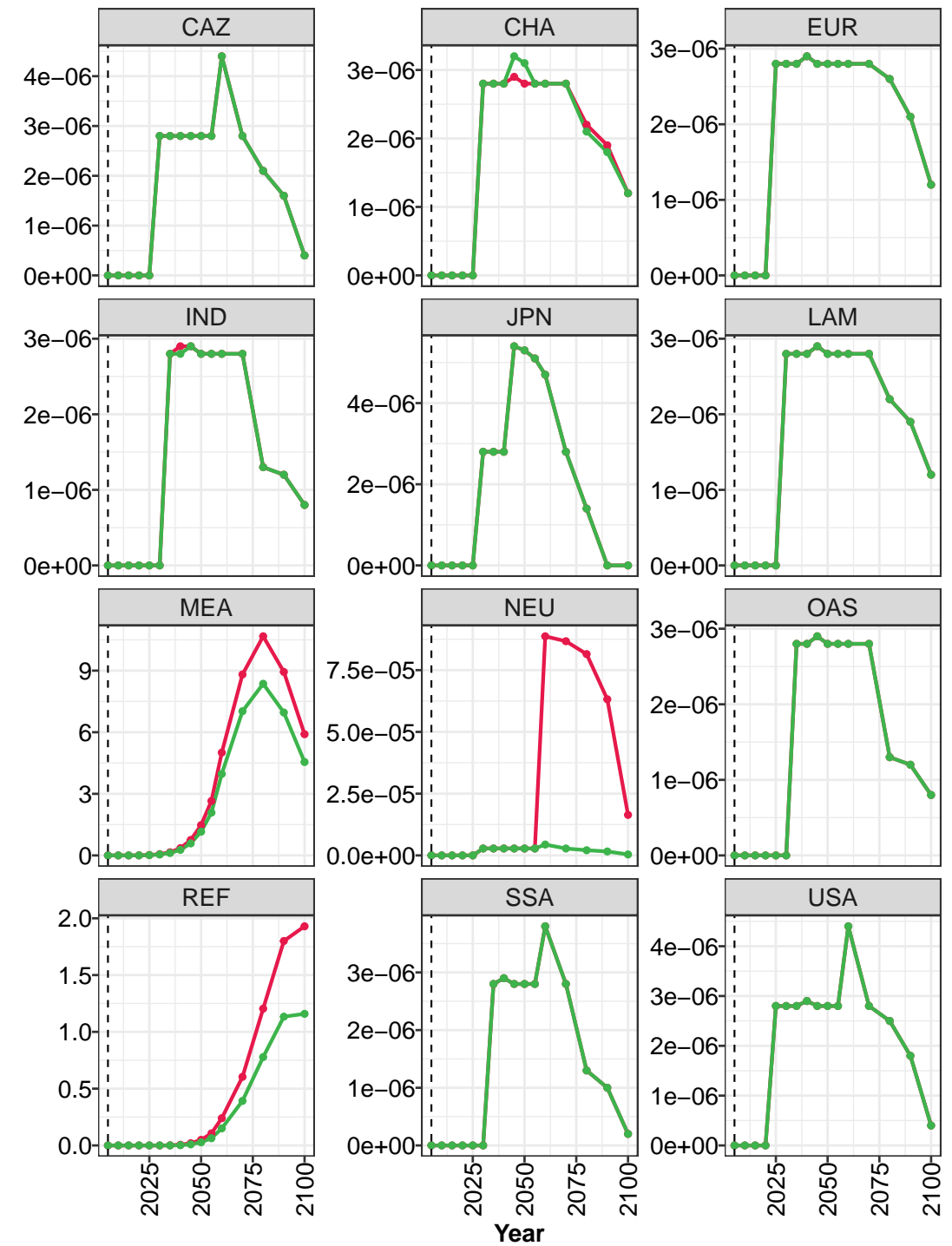
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

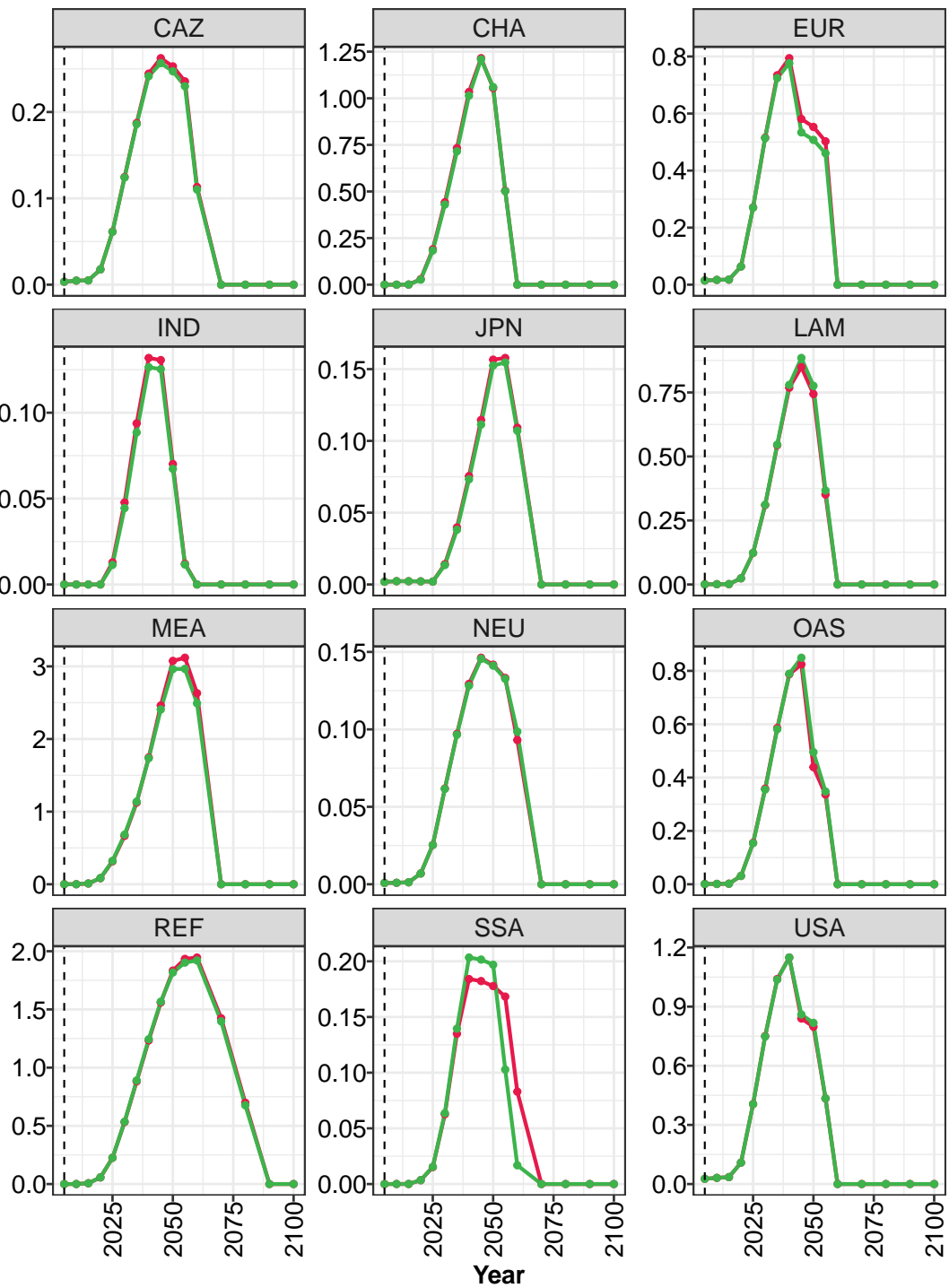
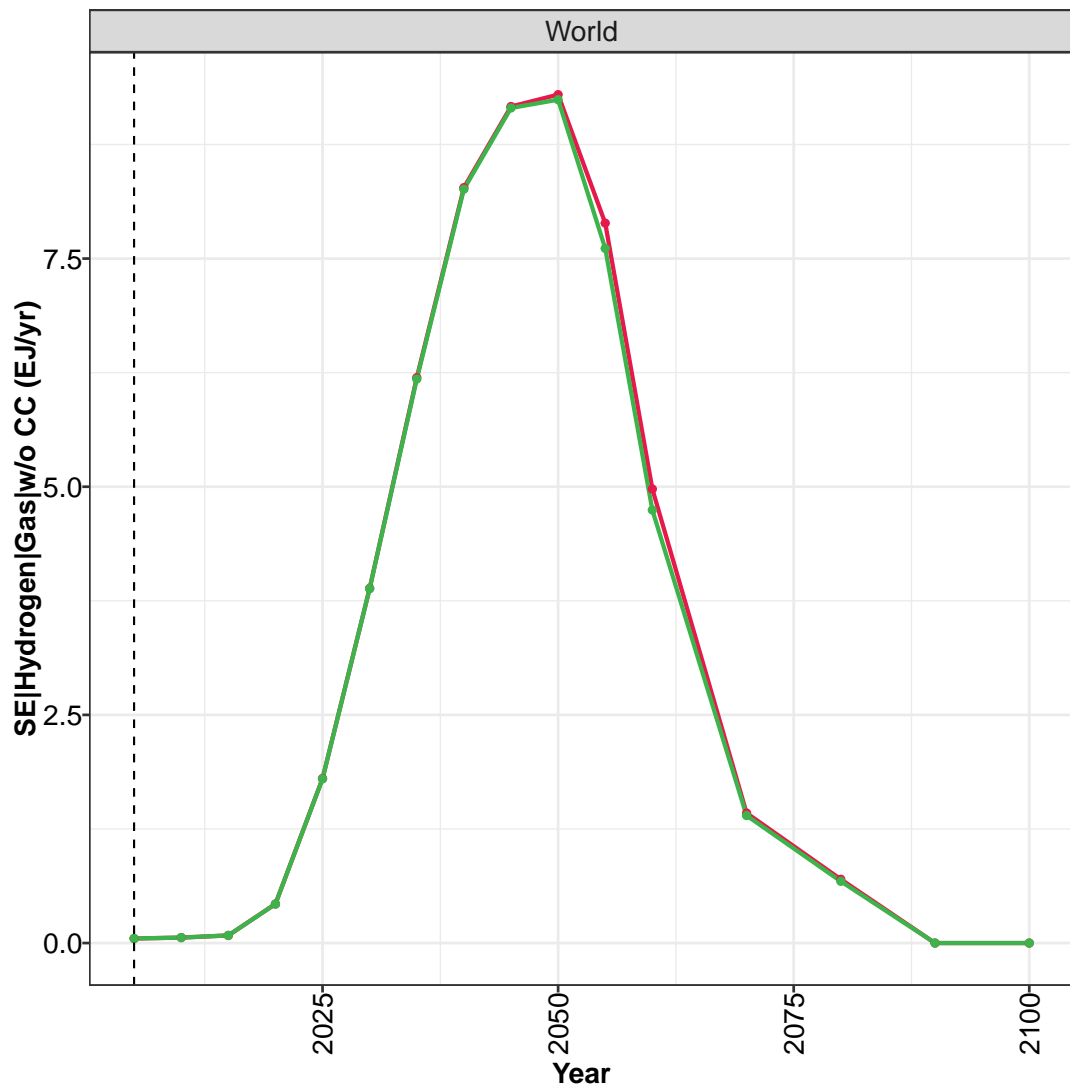


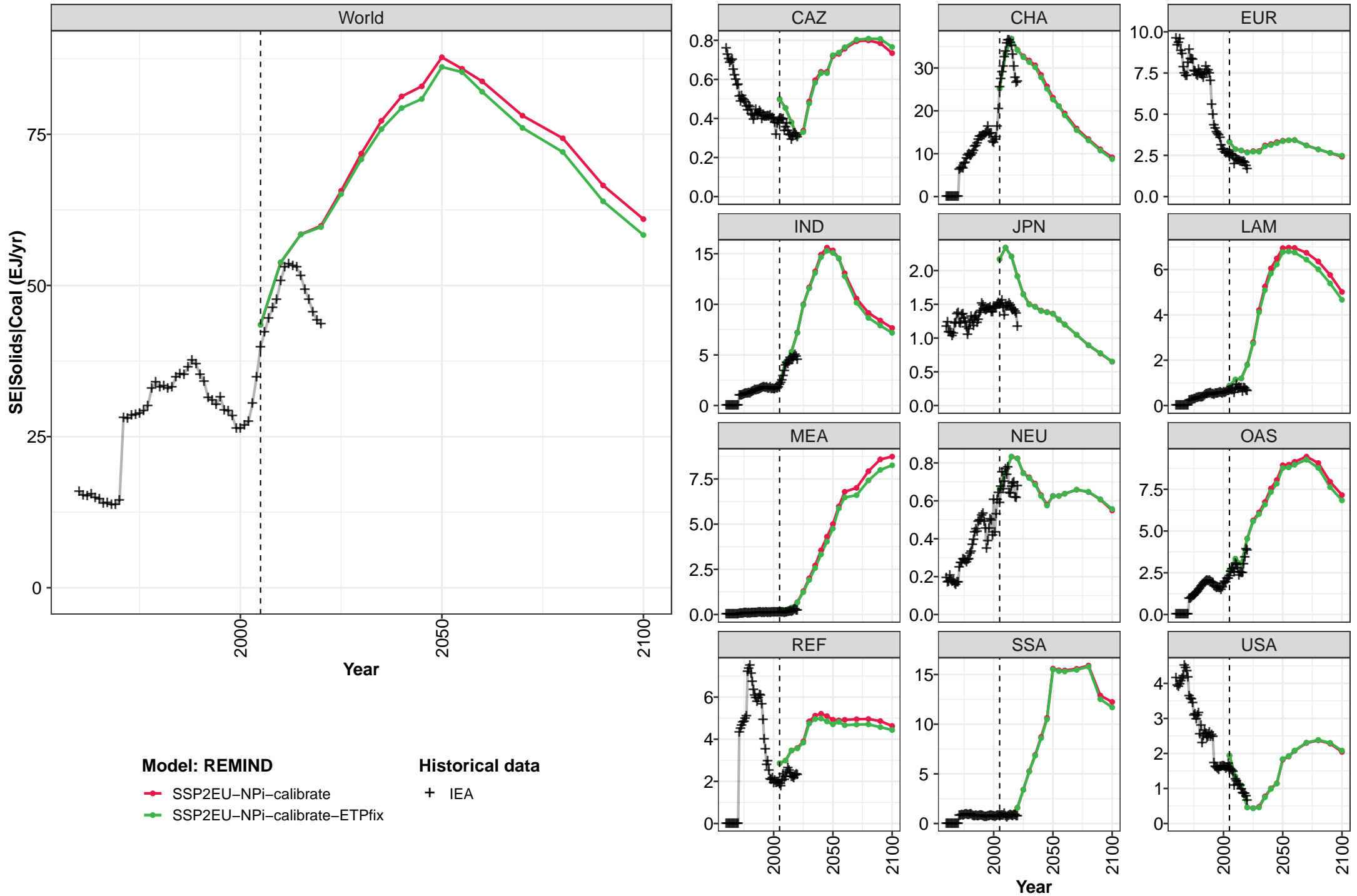


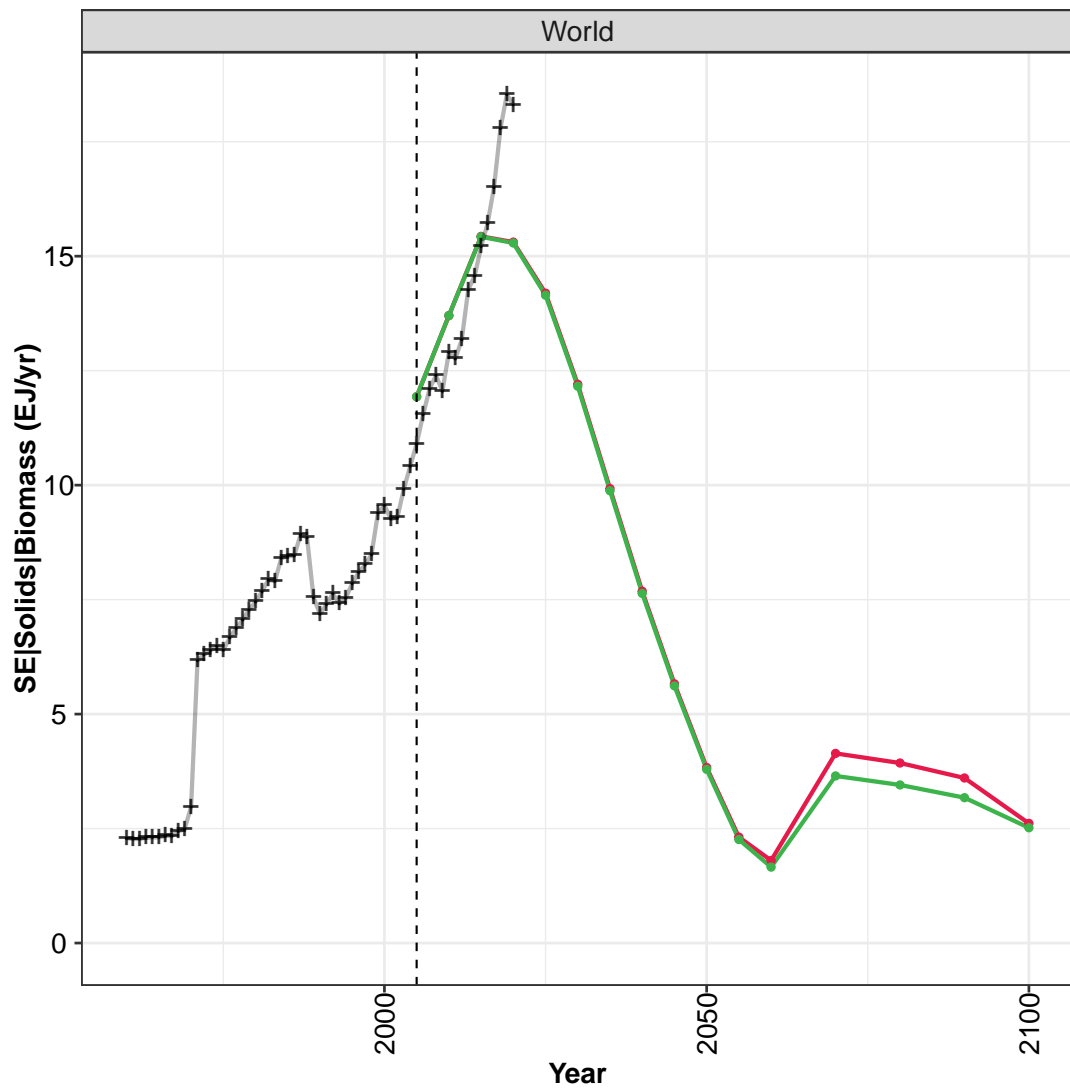
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix







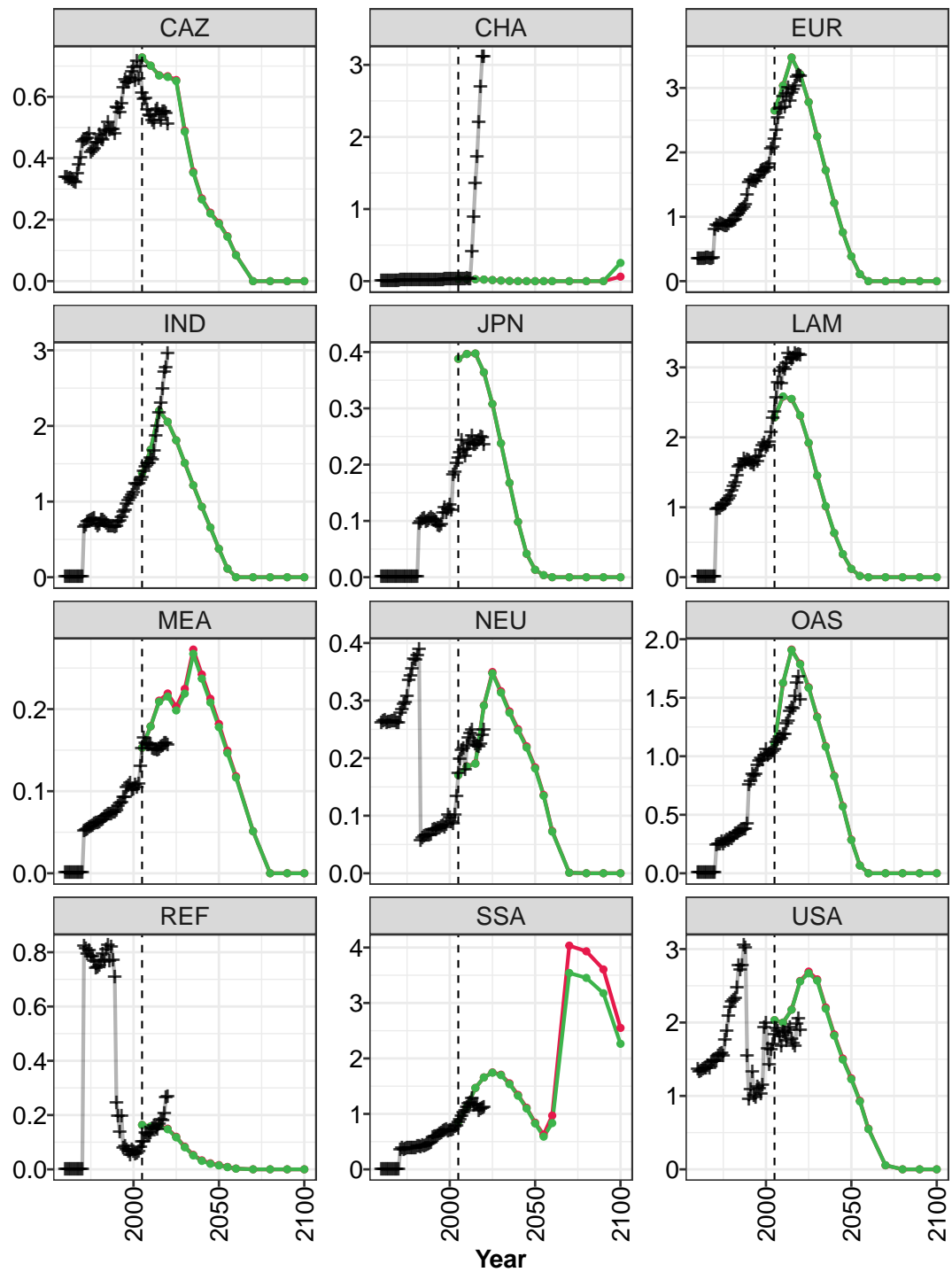


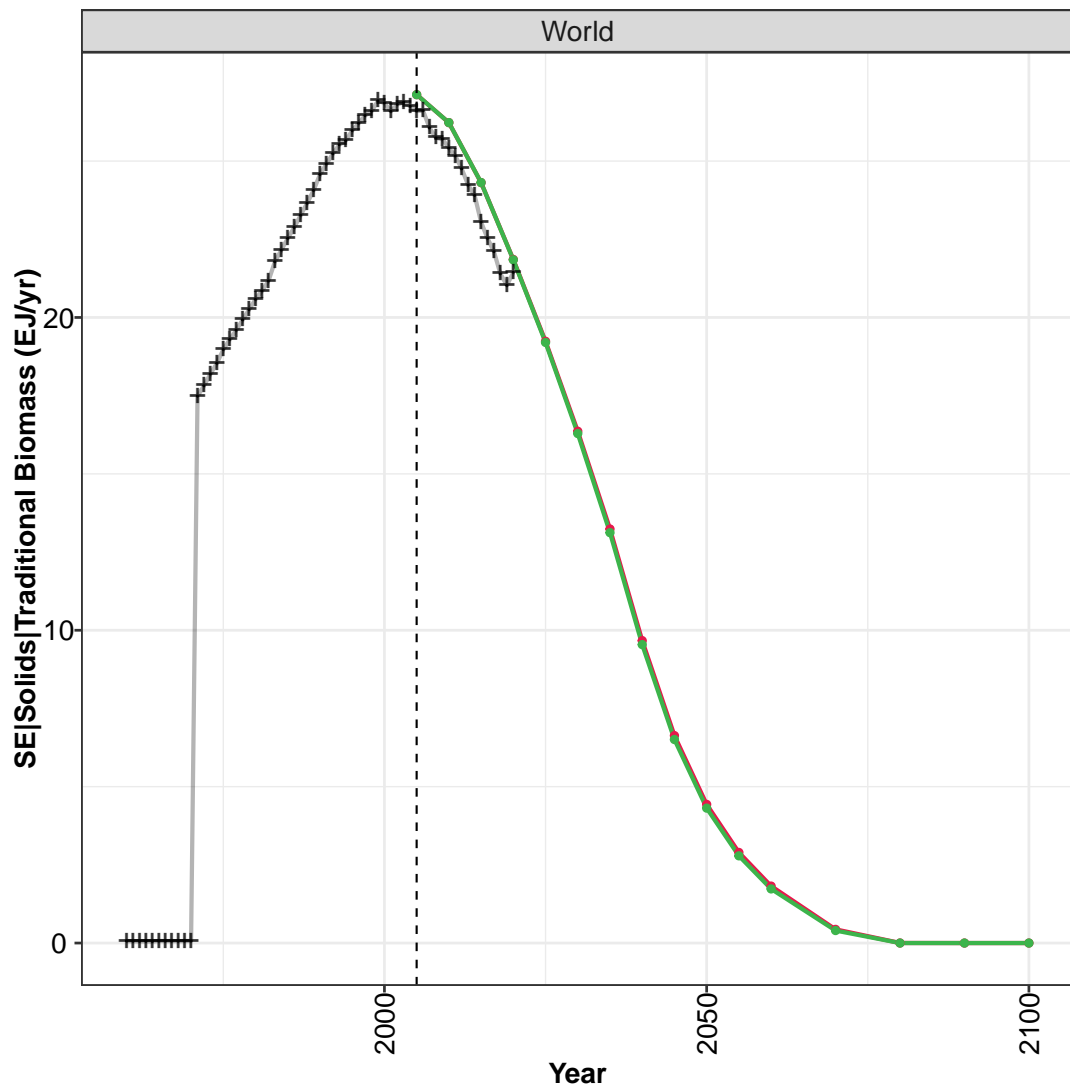
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + IEA



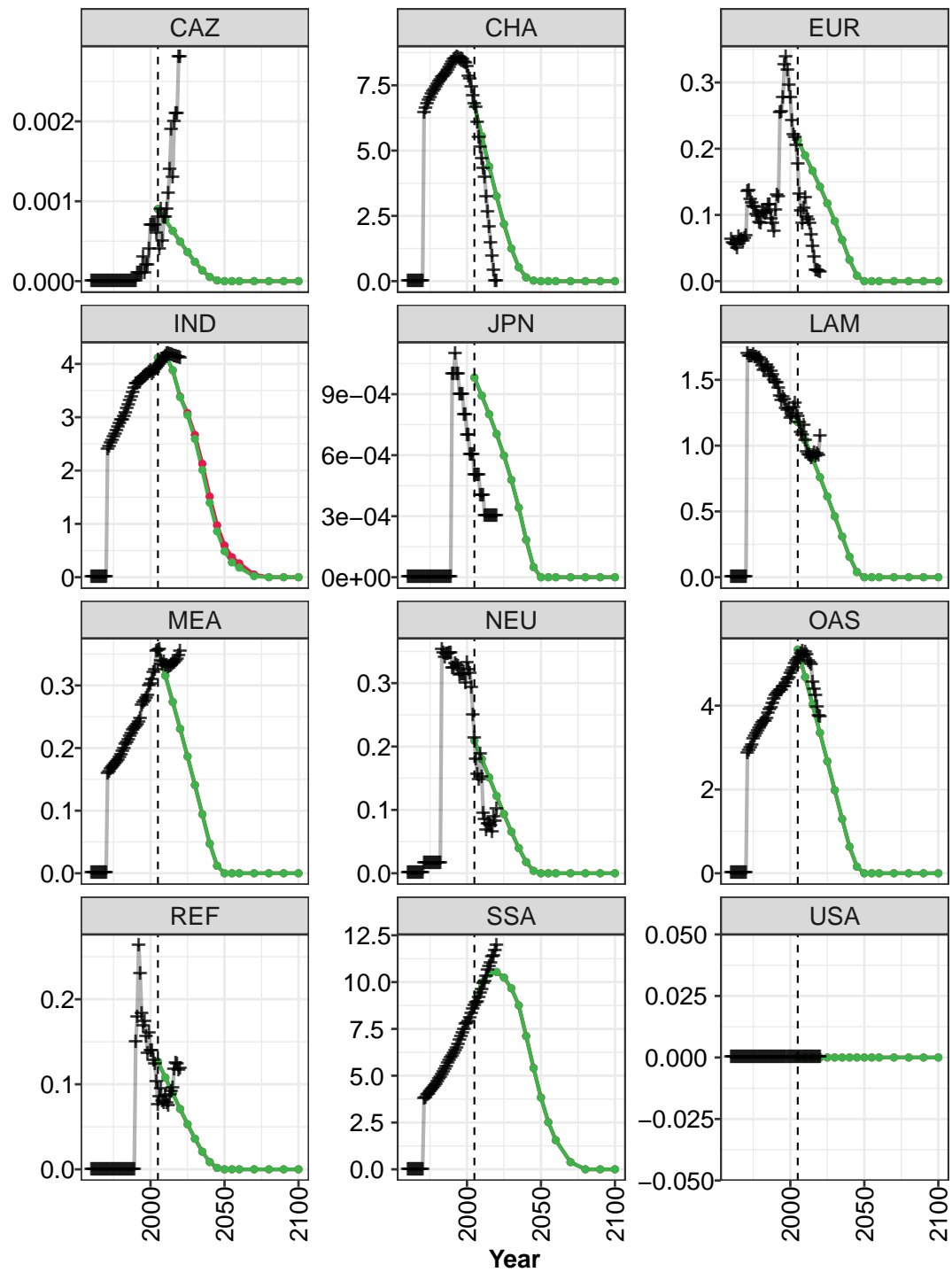


Model: REMIND

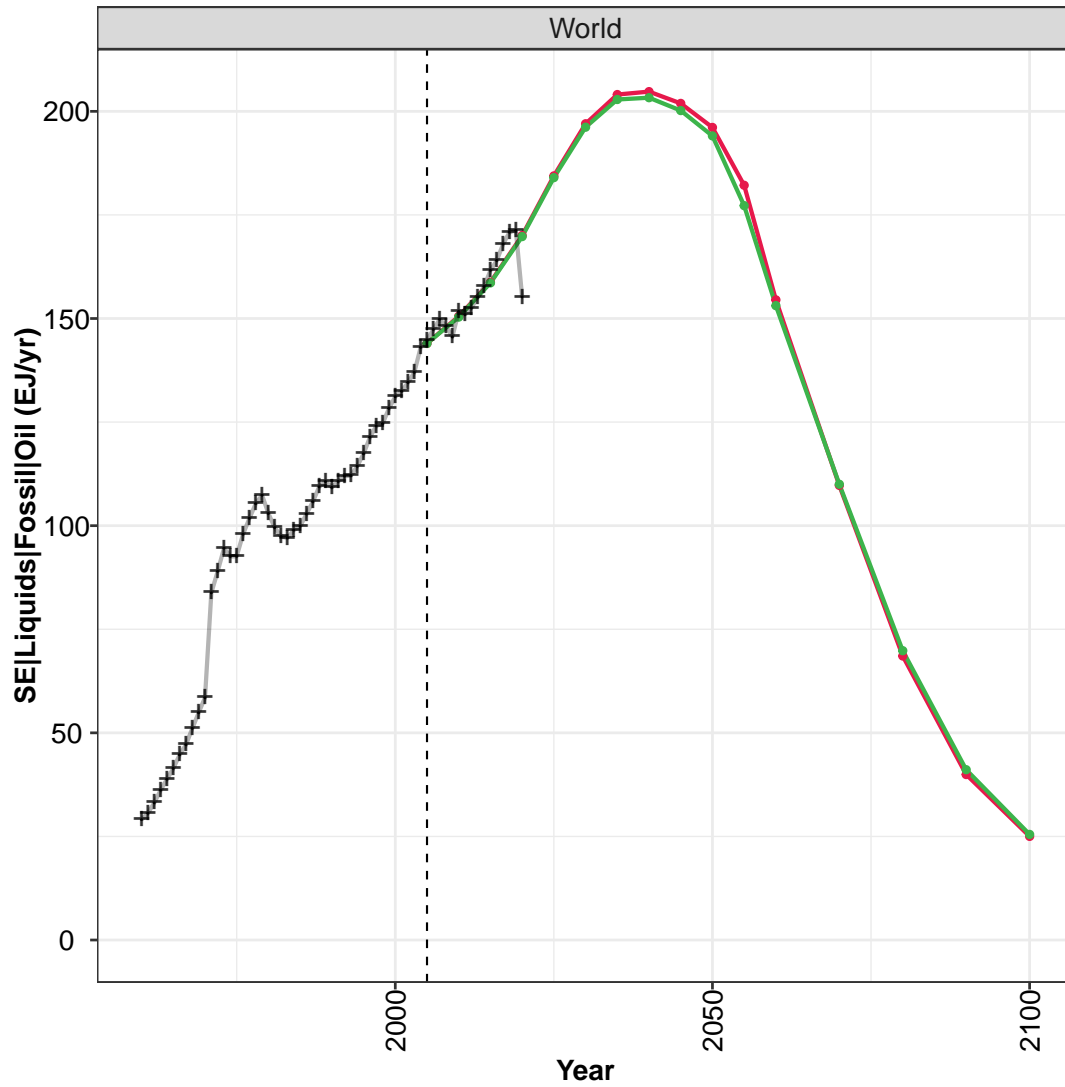
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + IEA



4.8.5 SE Liquids

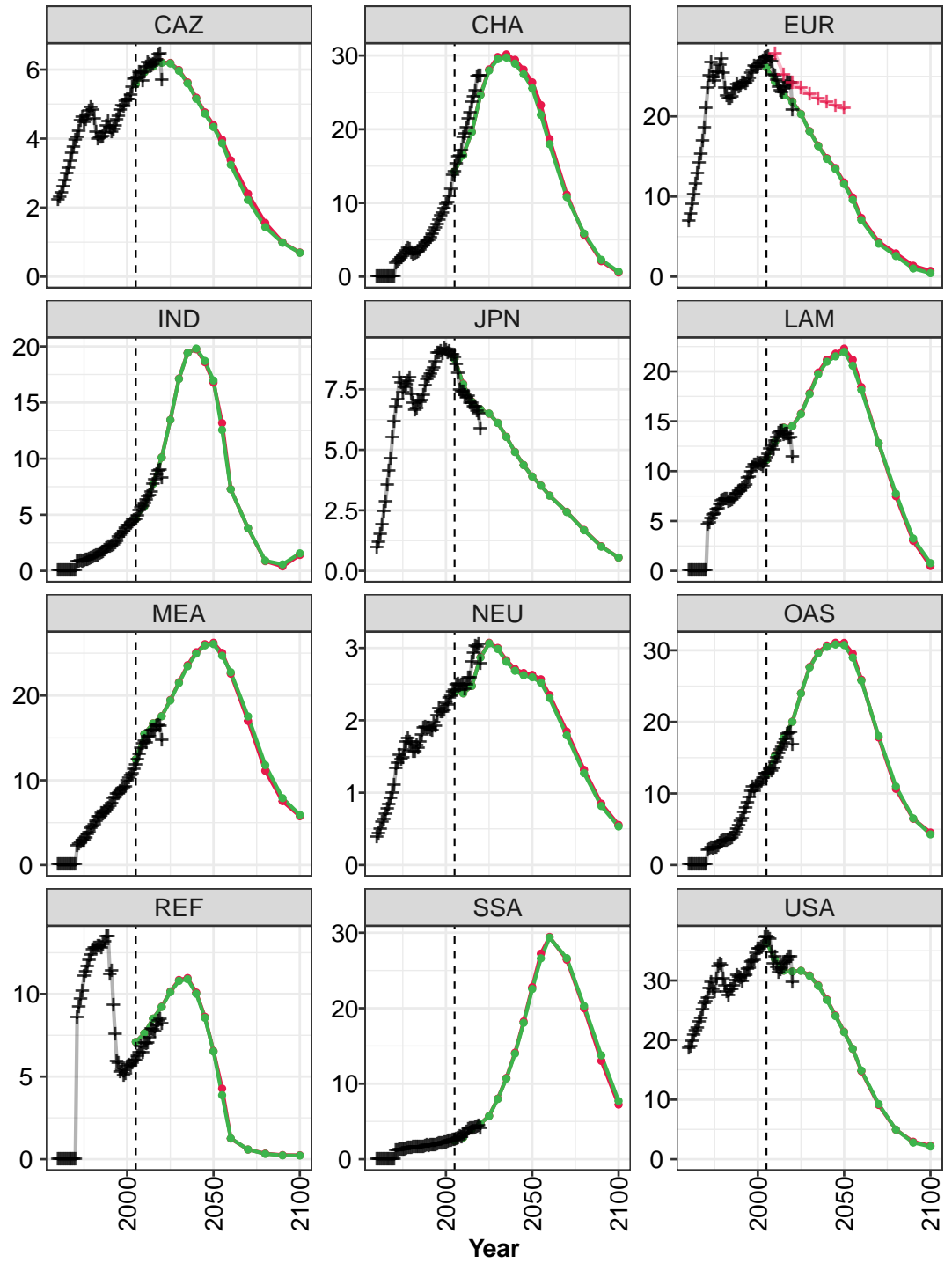


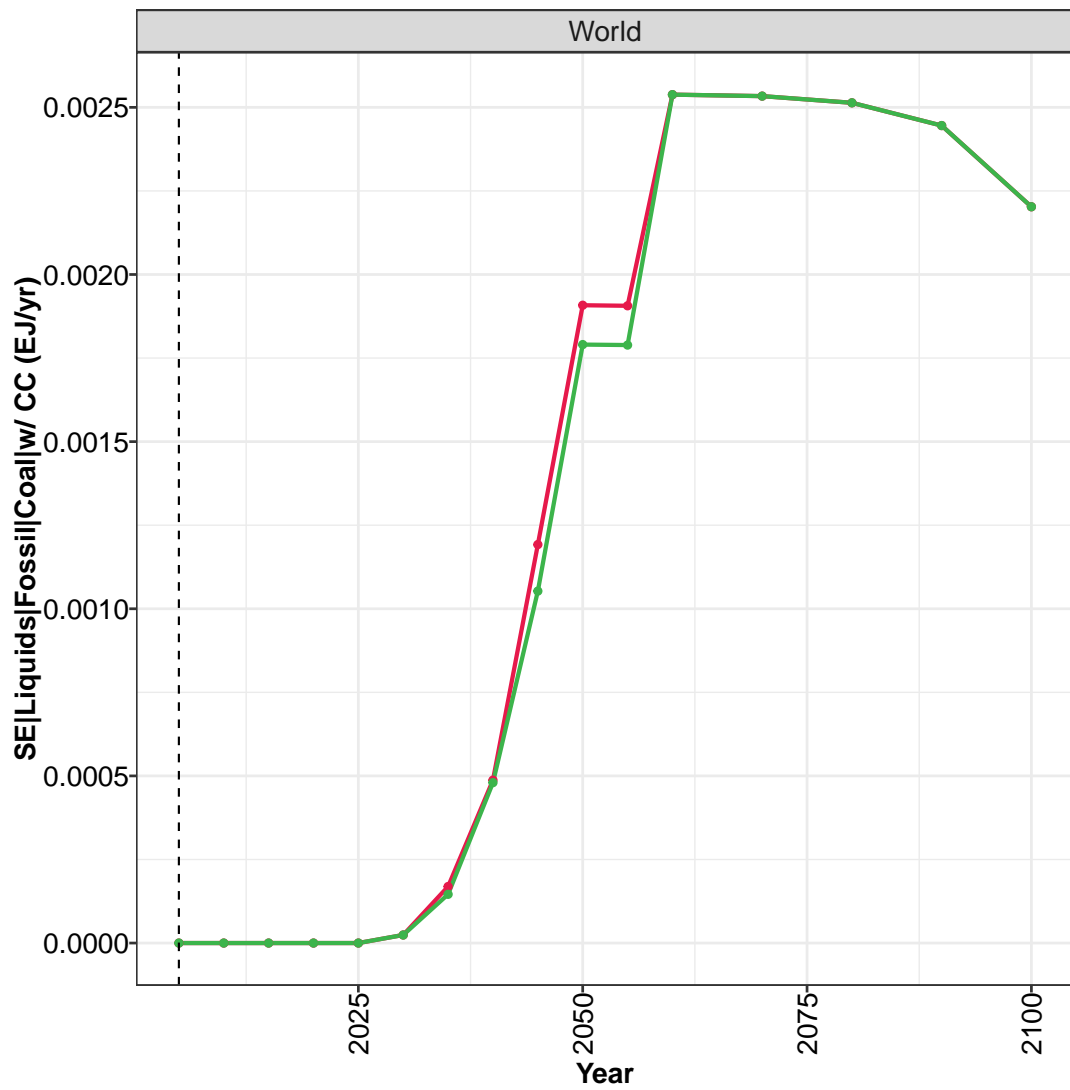
Model: REMIND

- +— SSP2EU-NPi-calibrate
- +— SSP2EU-NPi-calibrate-ETPfix

Historical data

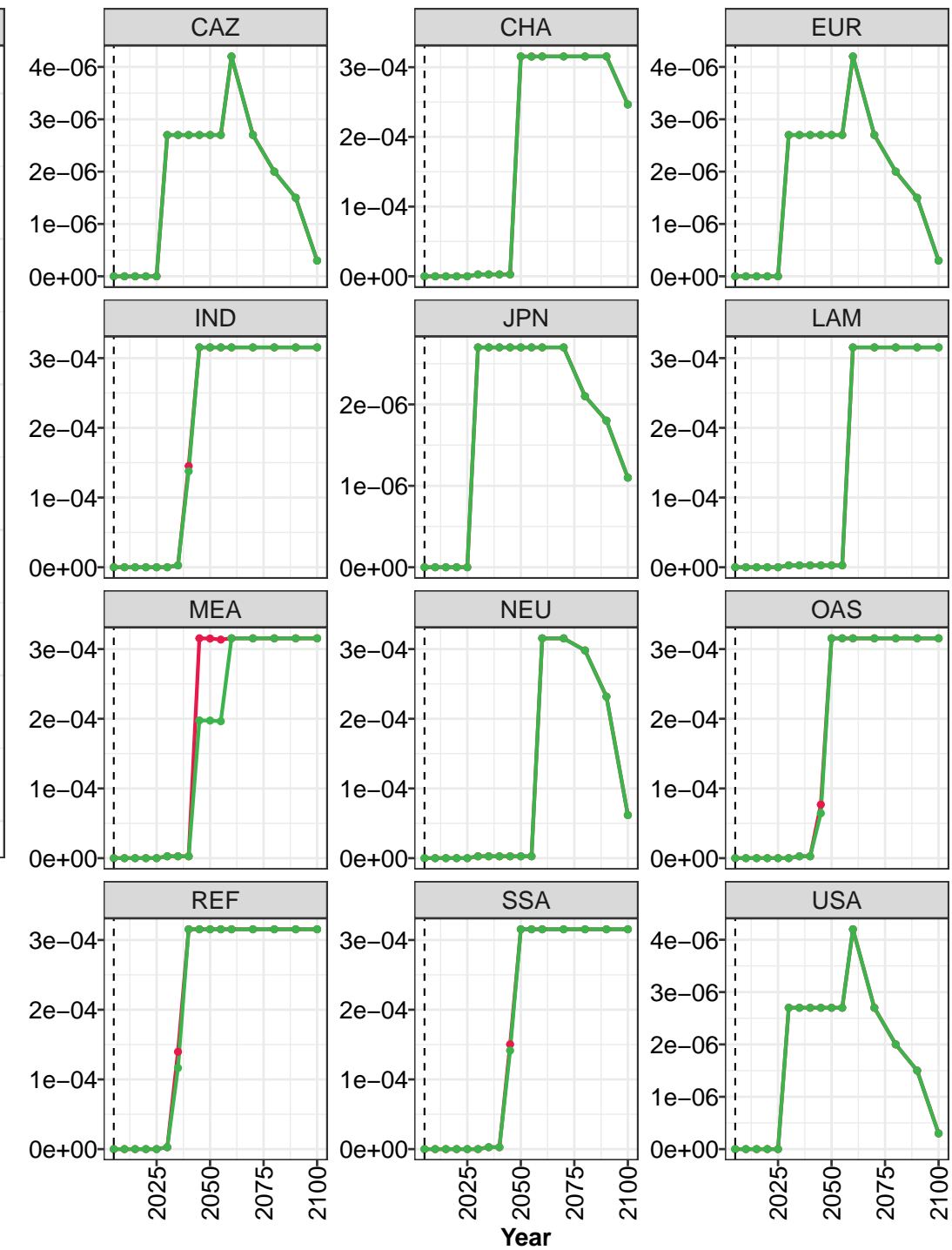
- + IEA
- + INNOPATHS

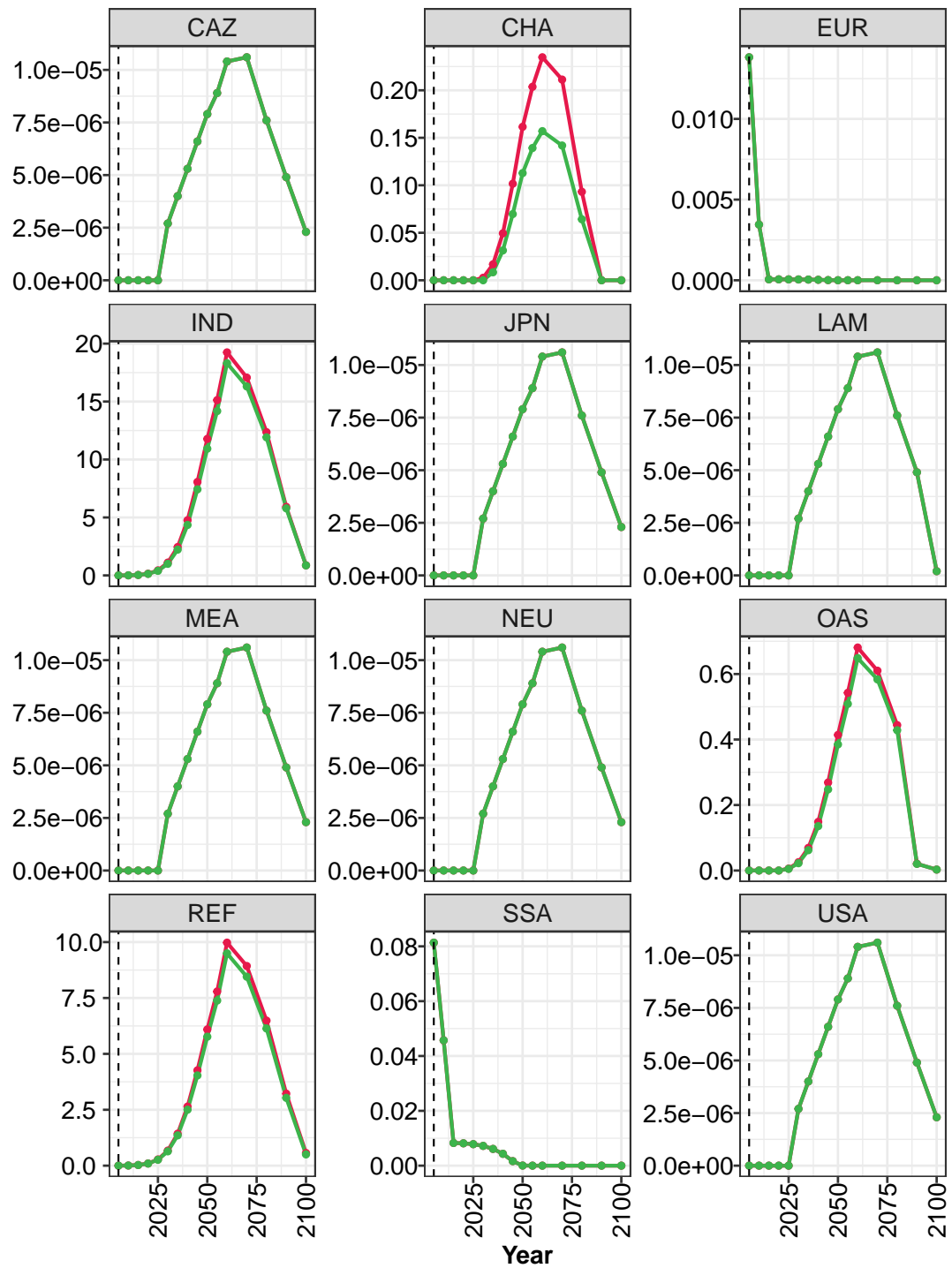
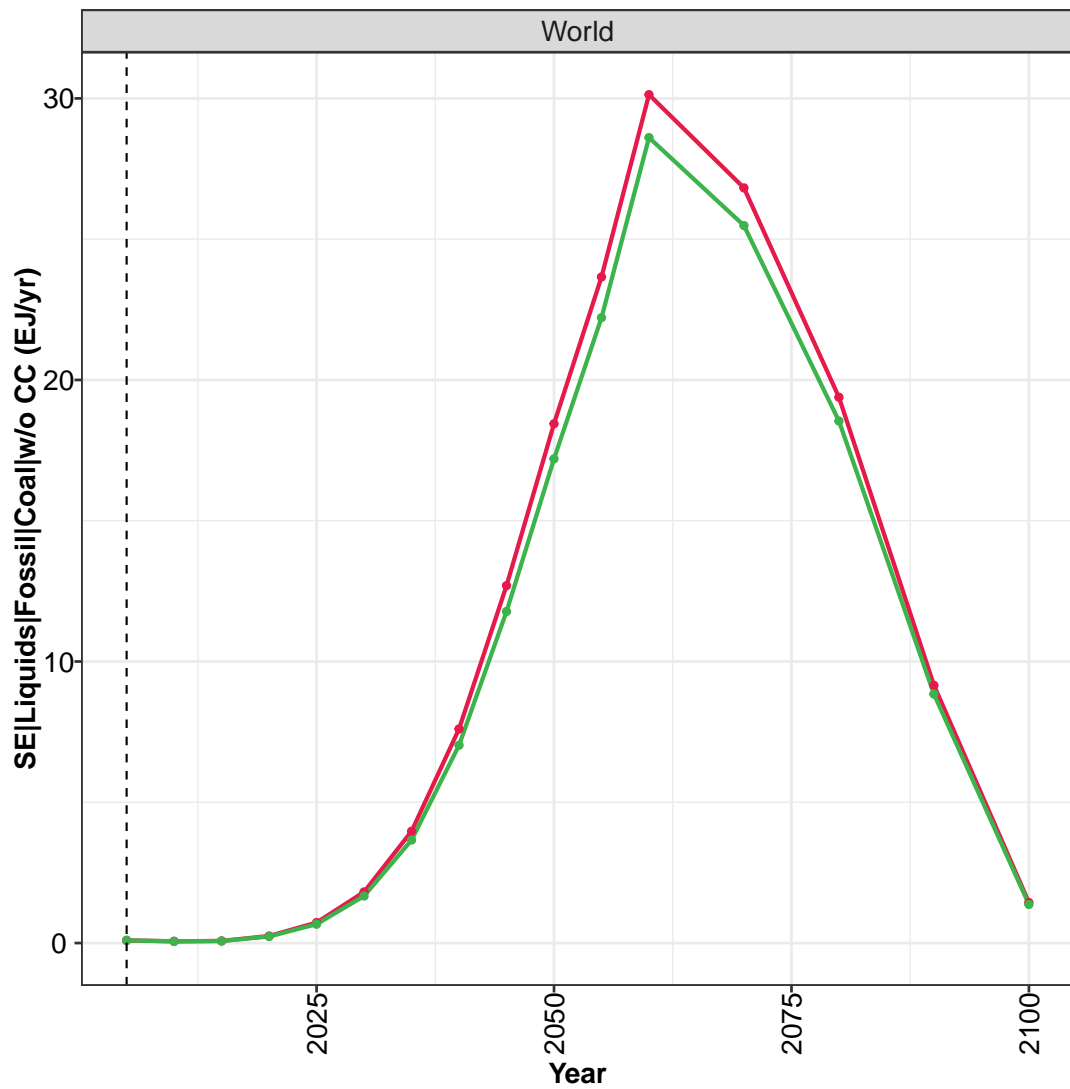


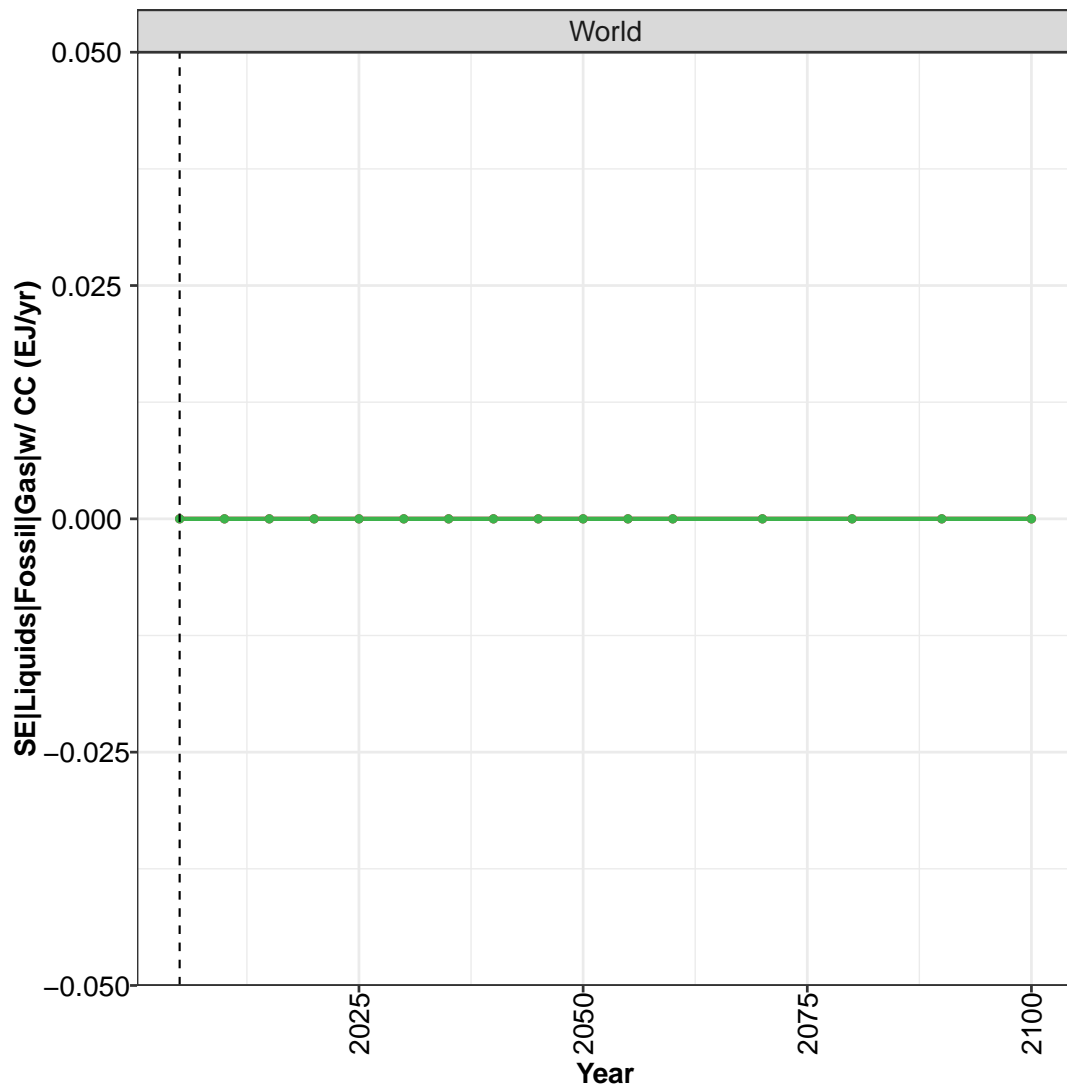


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

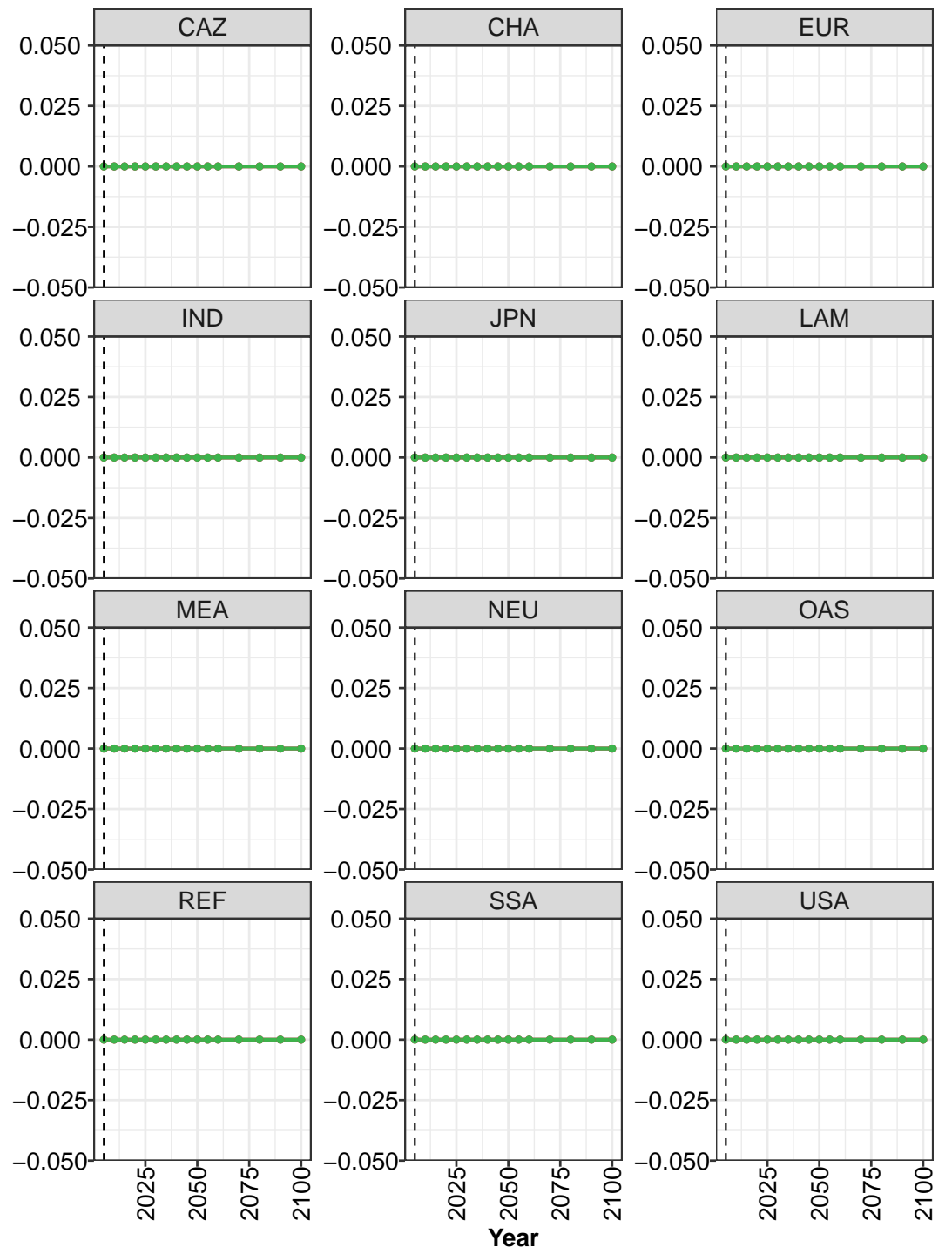


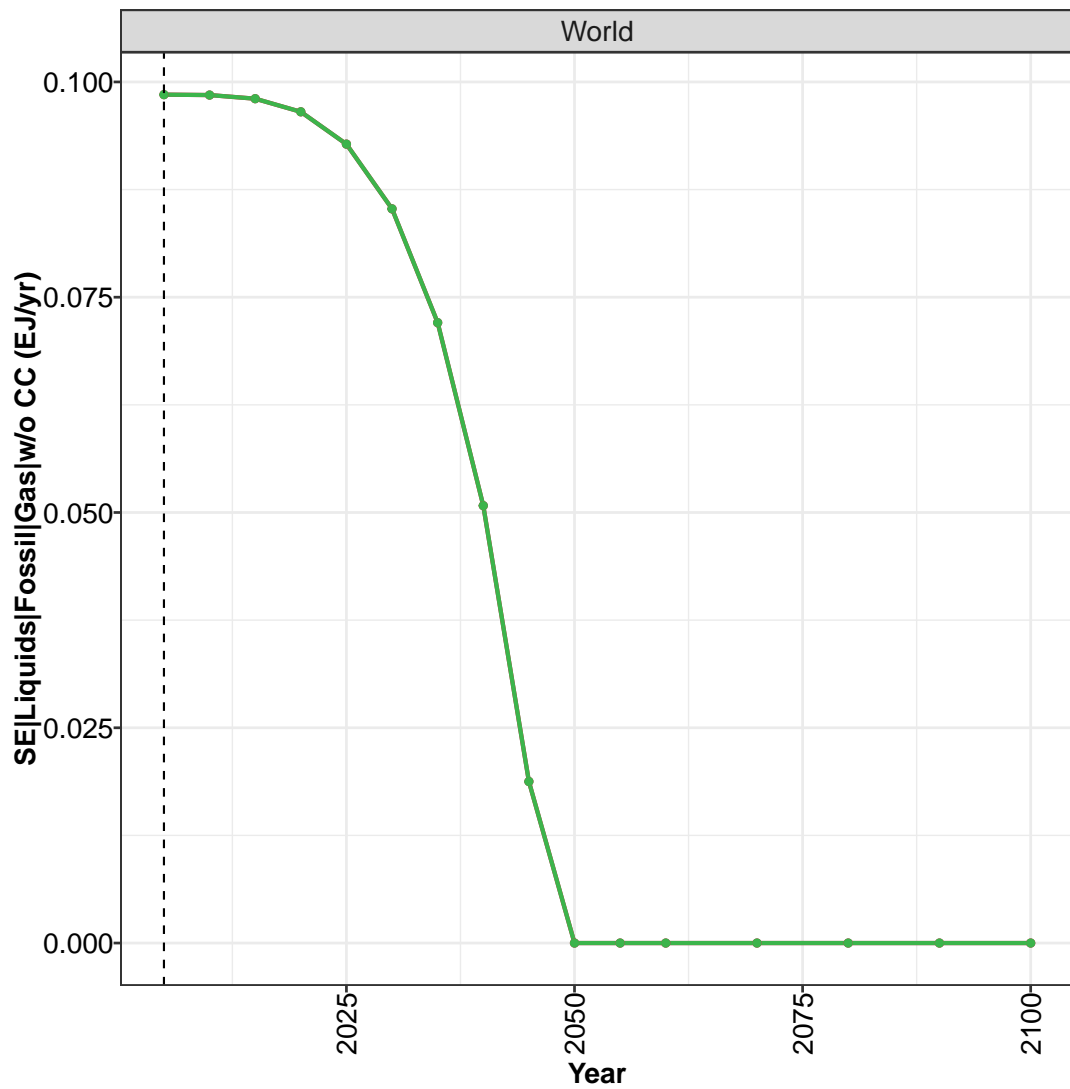




Model: REMIND

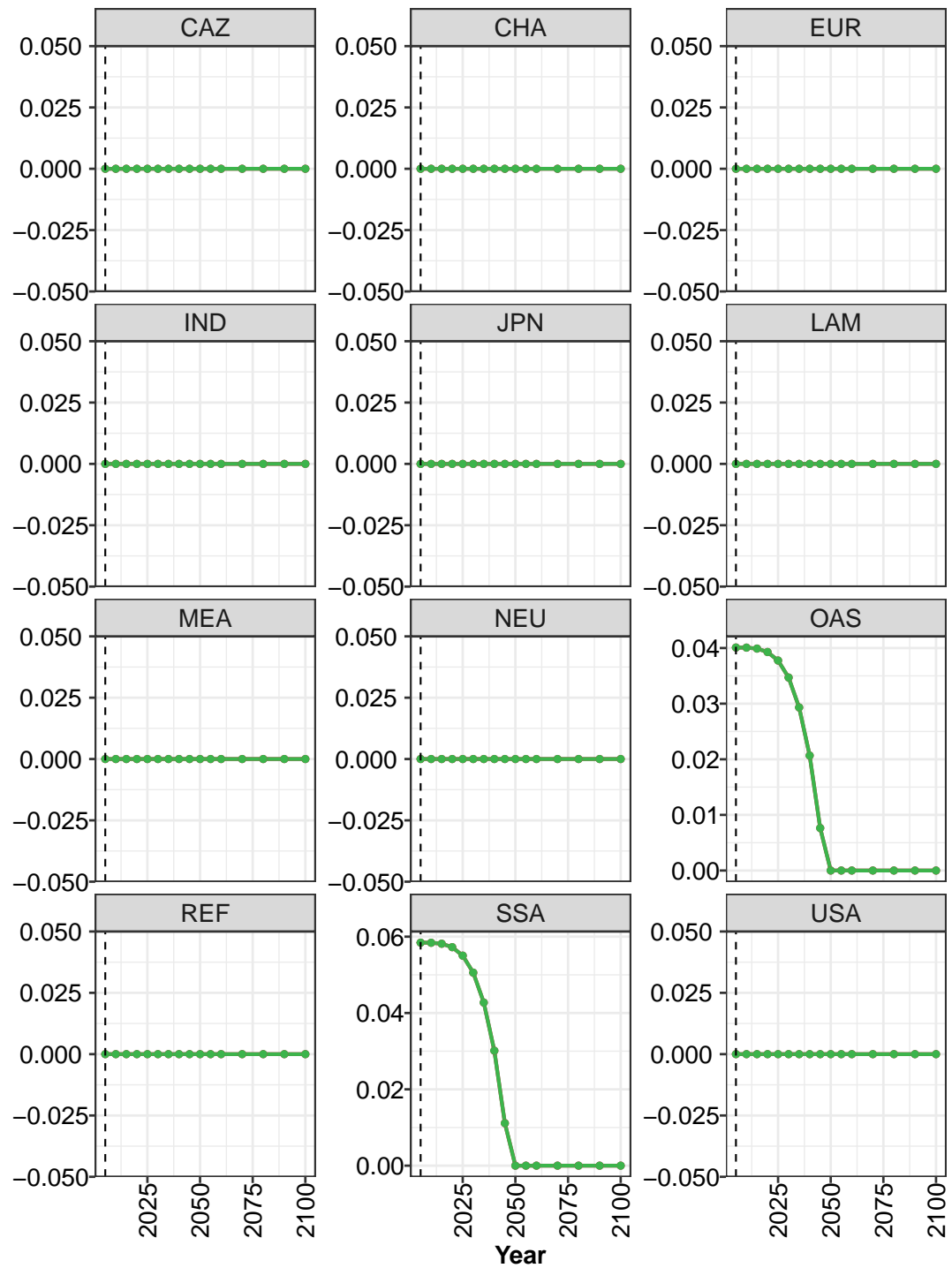
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

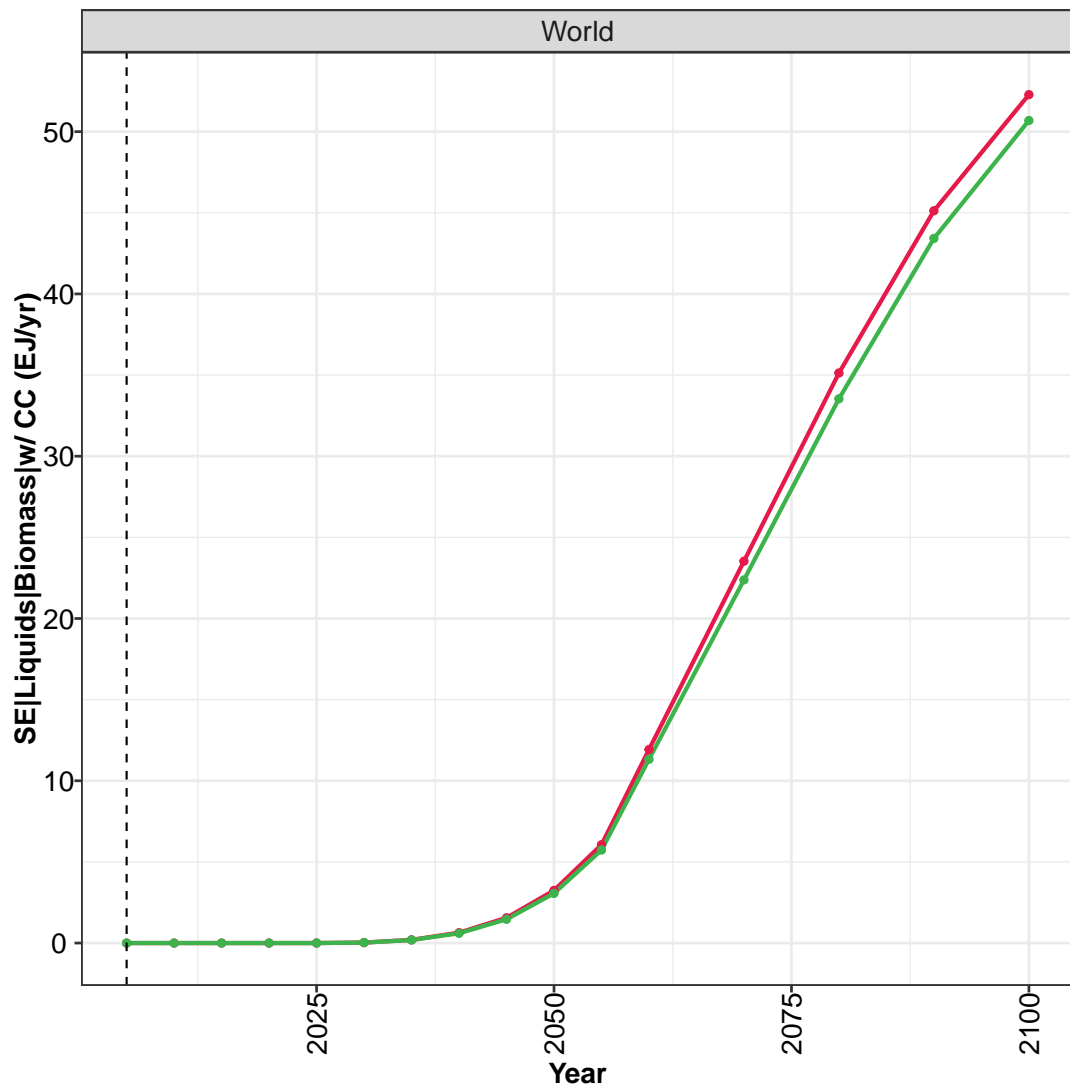




Model: REMIND

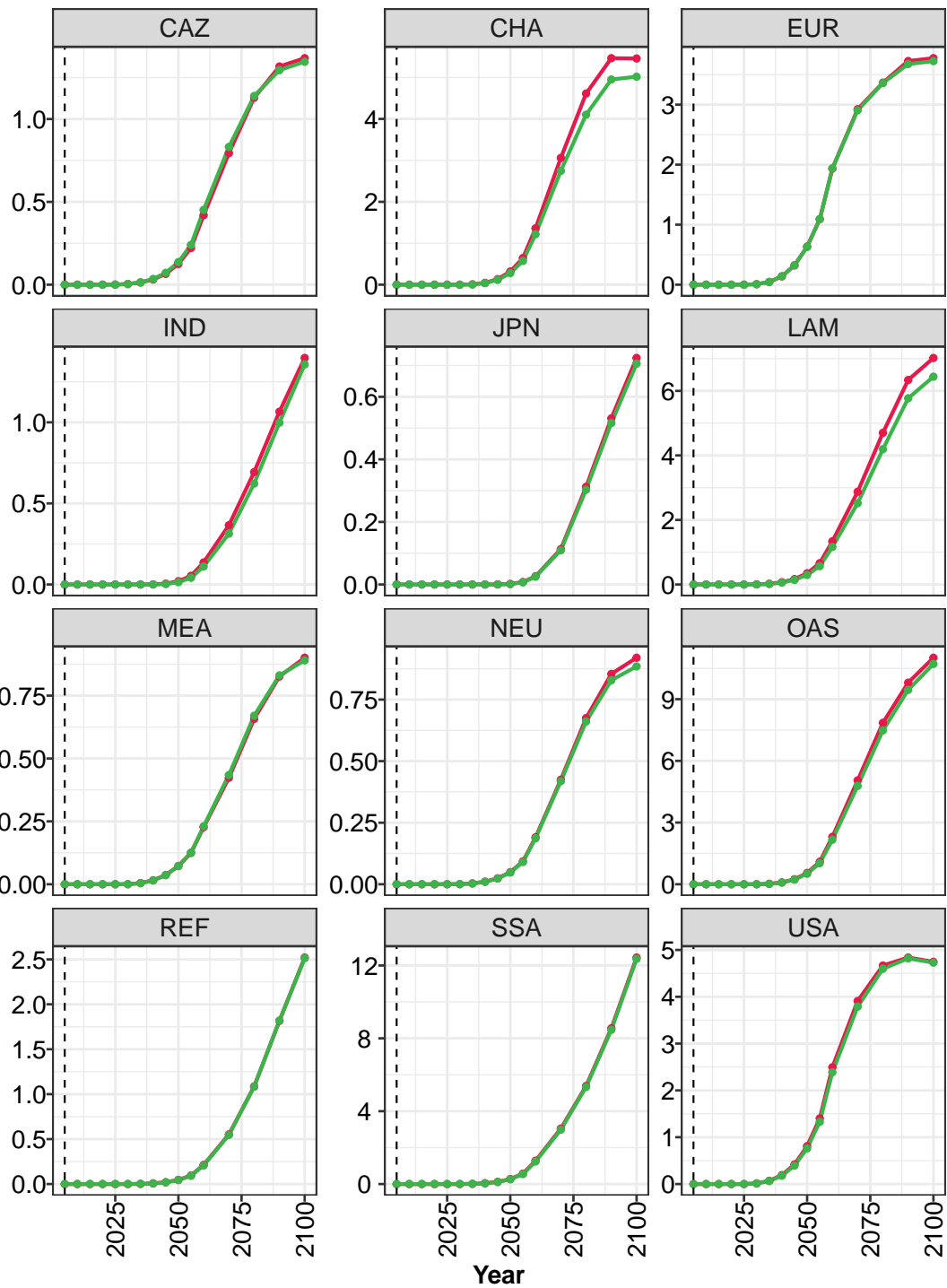
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

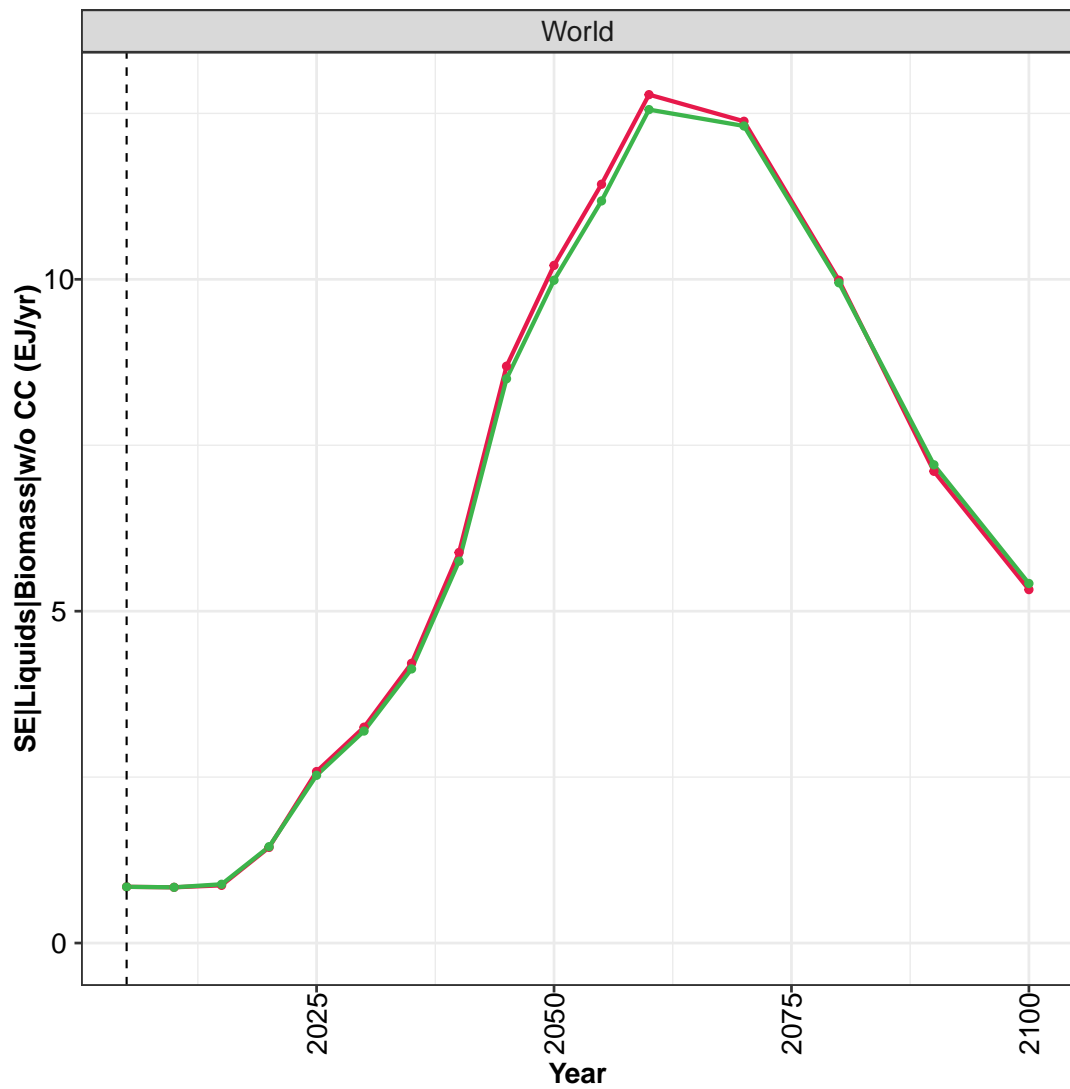




Model: REMIND

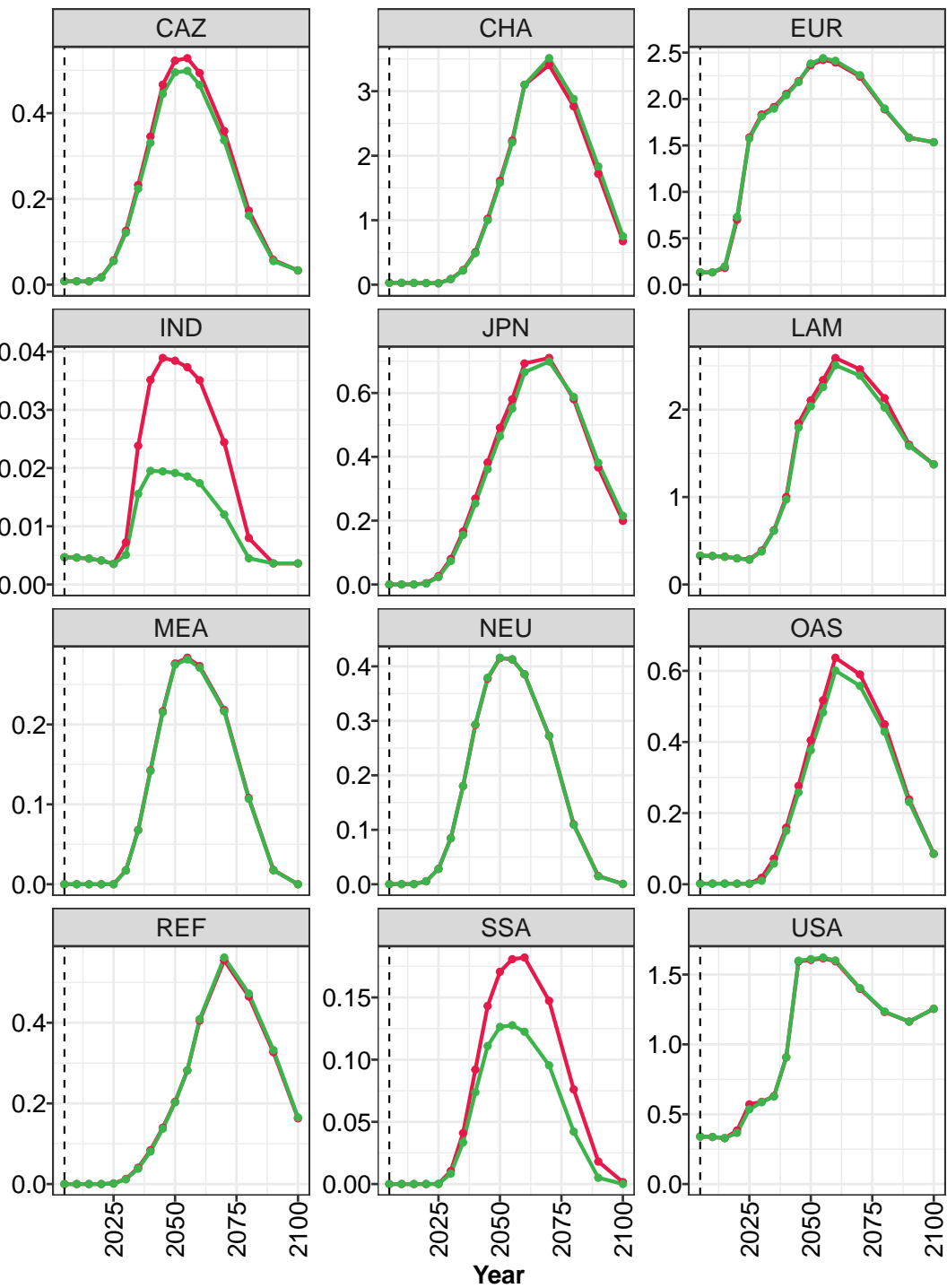
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

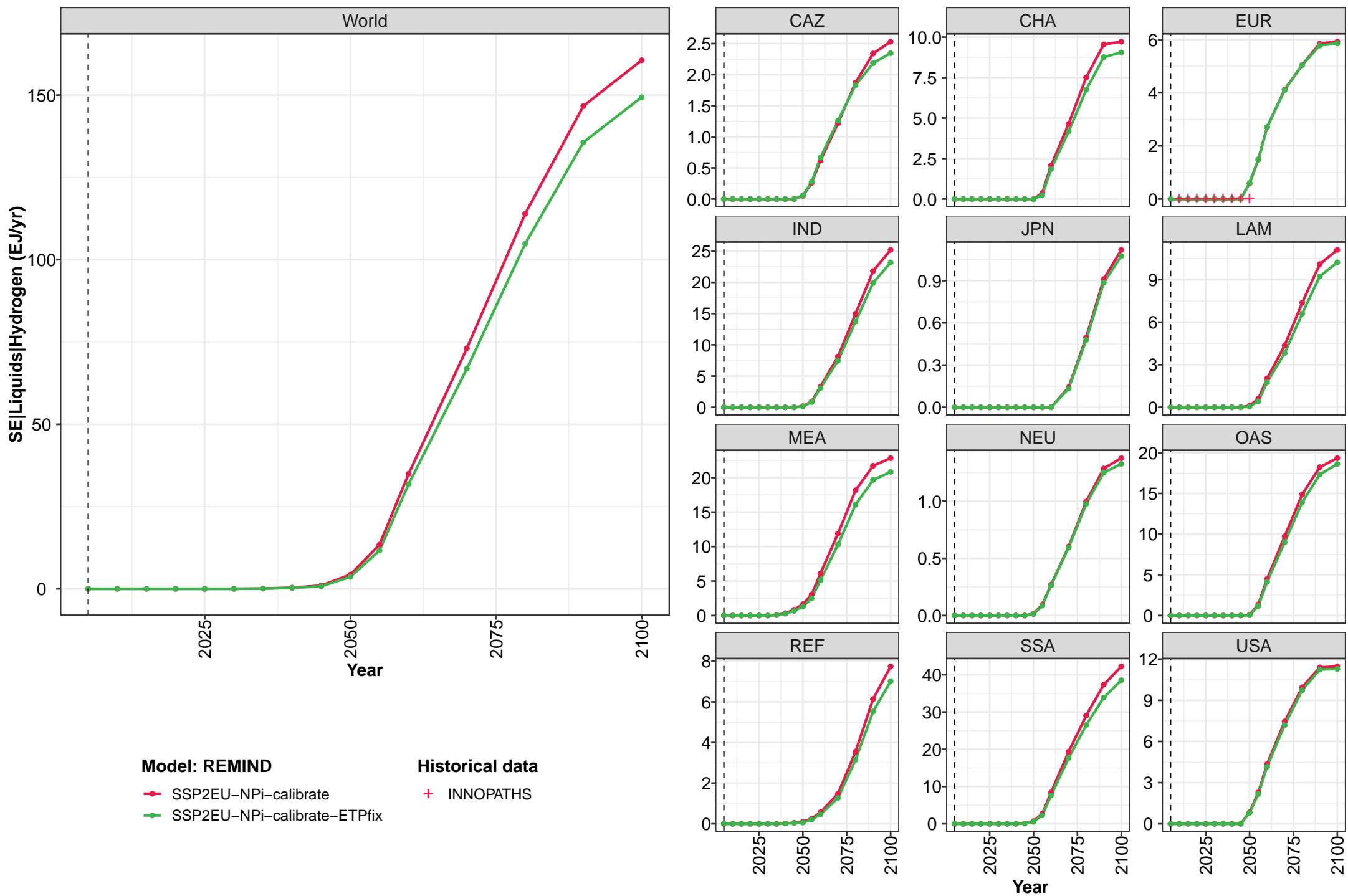


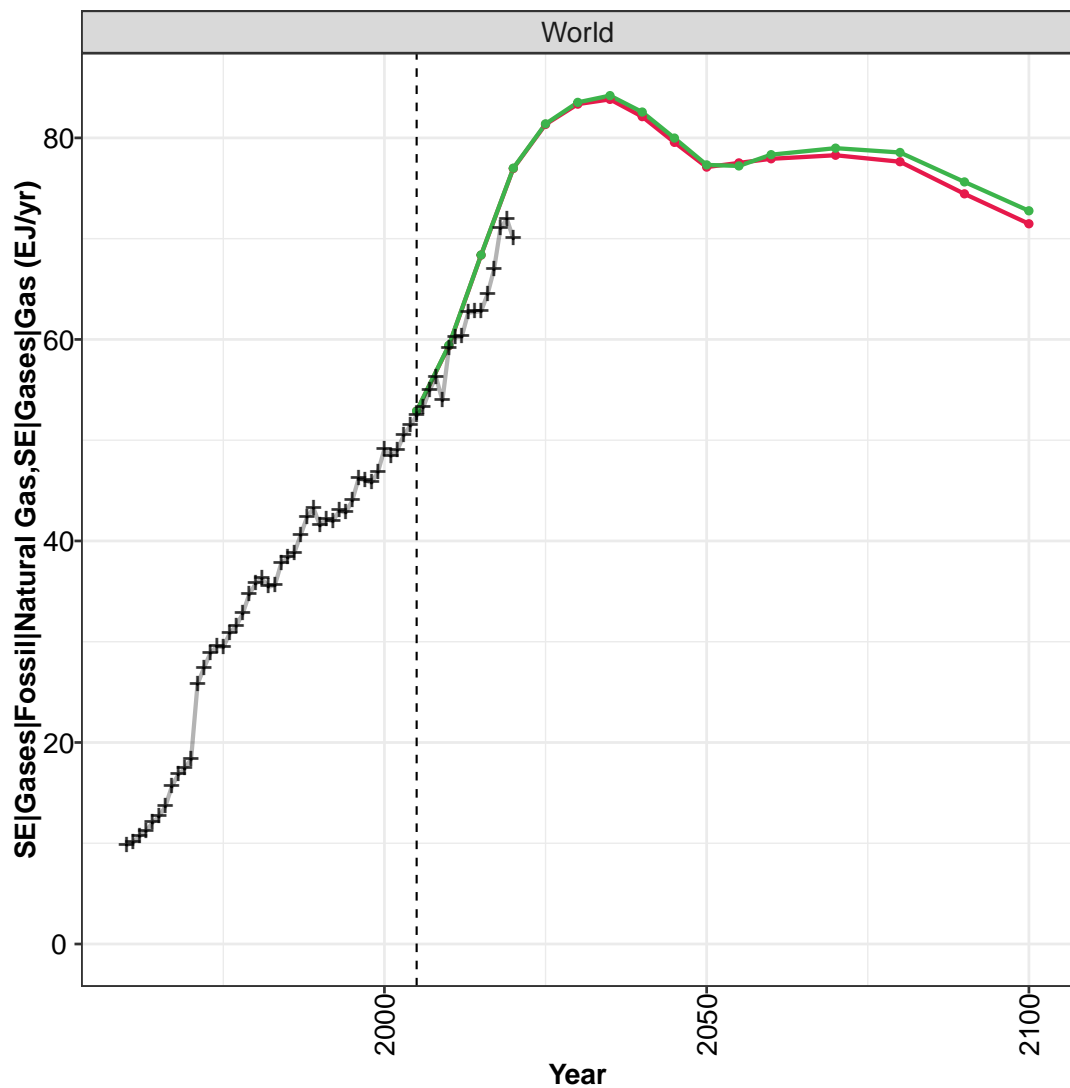


Model: REMIND

- SSP2EU-NPi-calibrate
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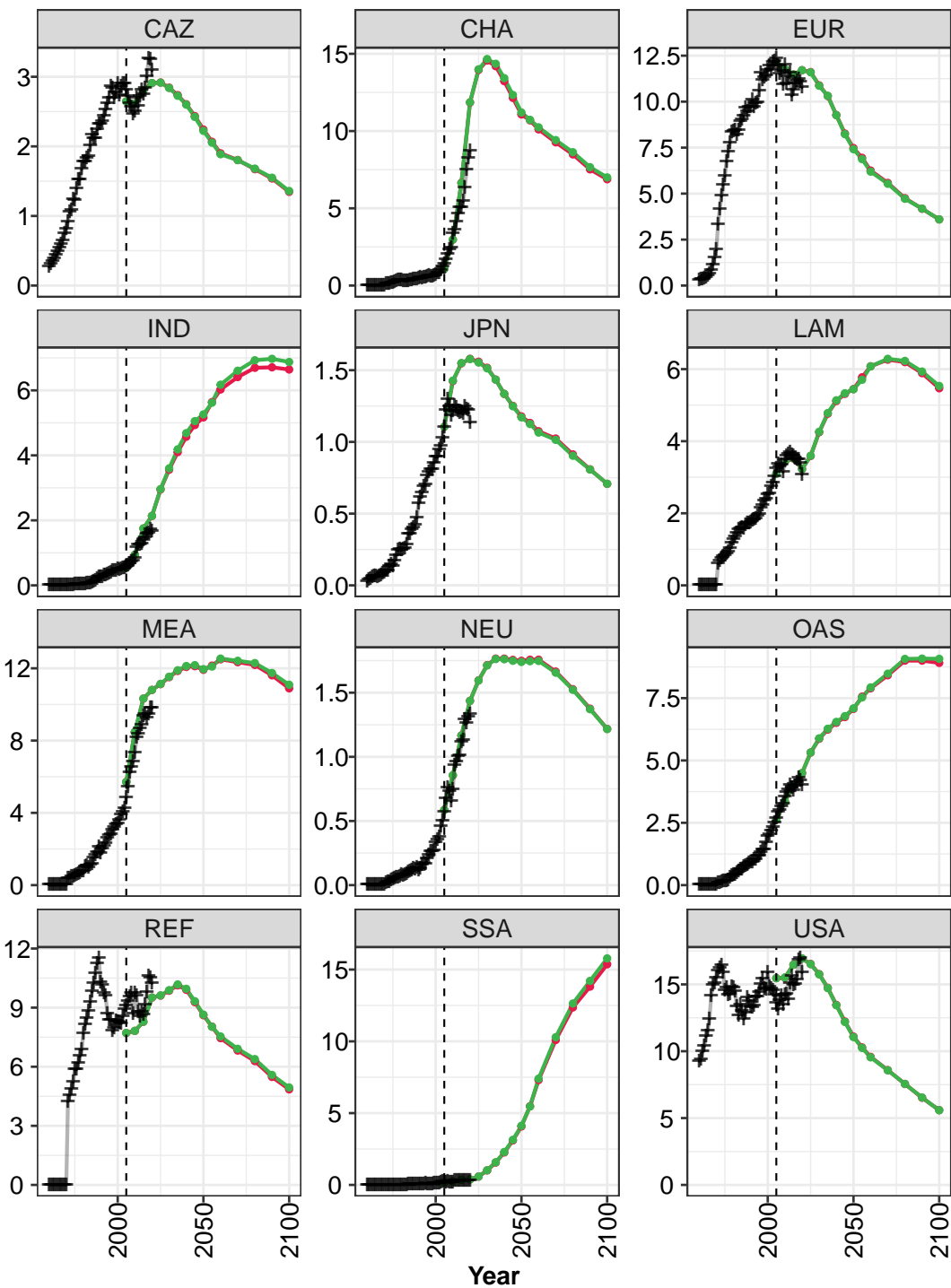


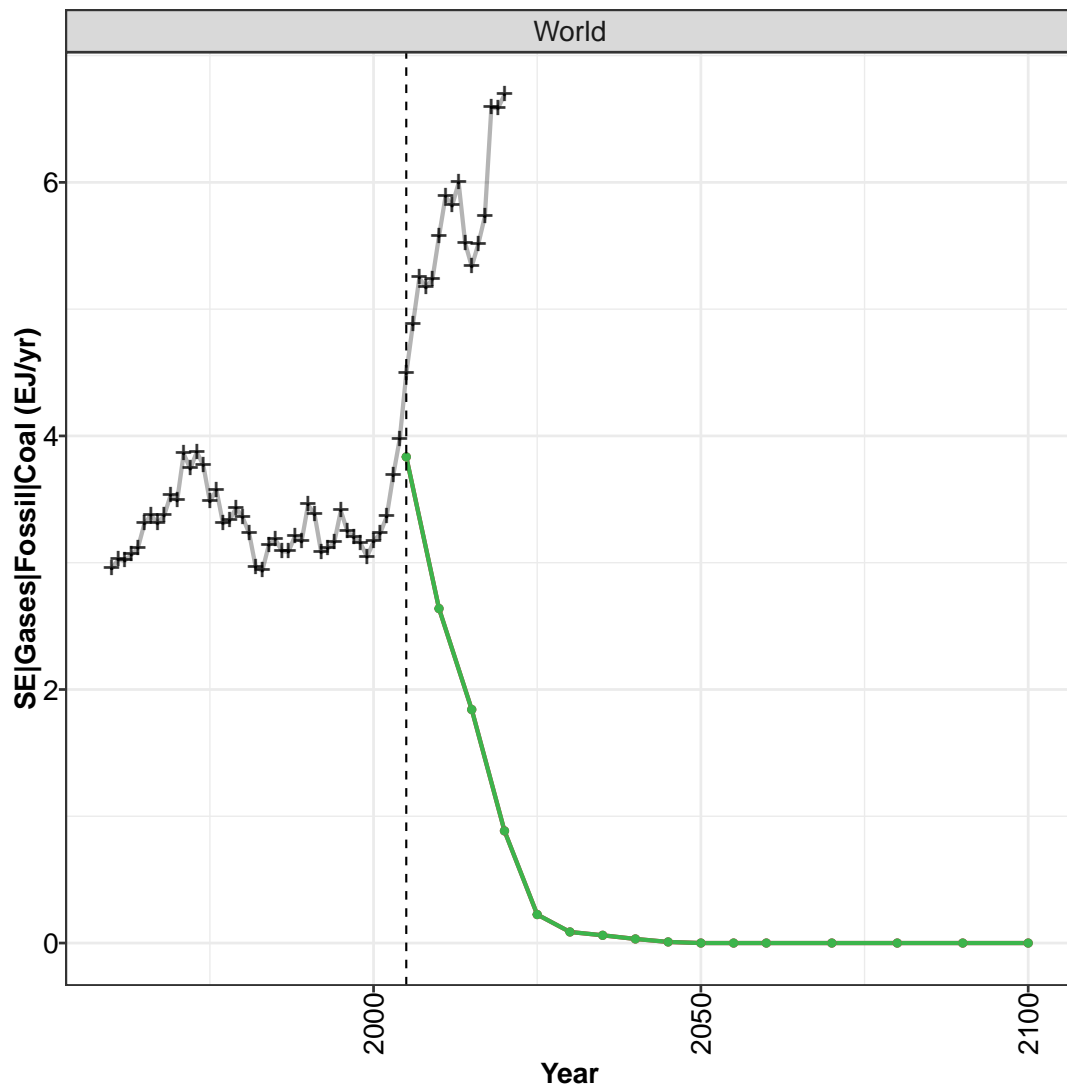
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + IEA



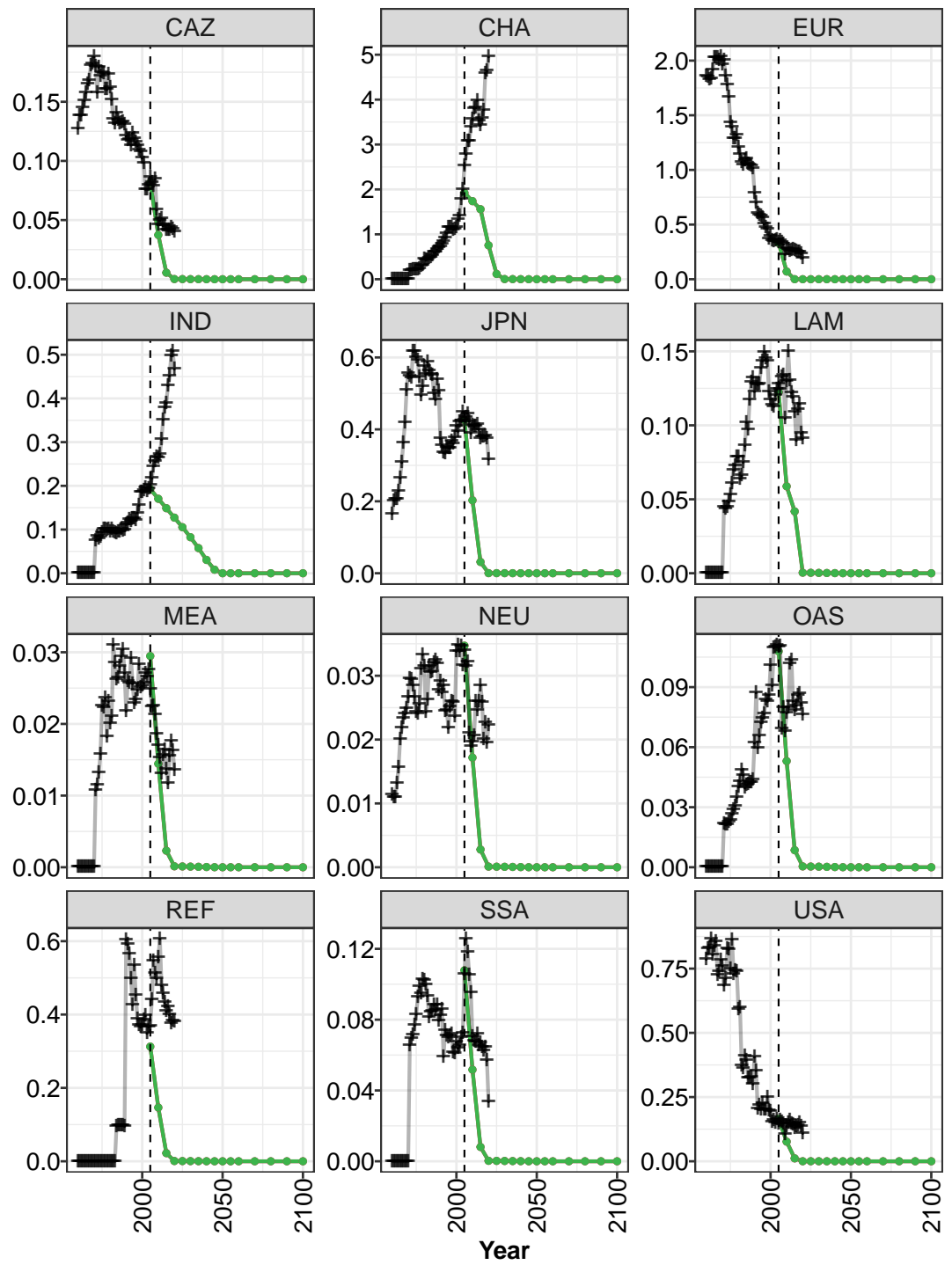


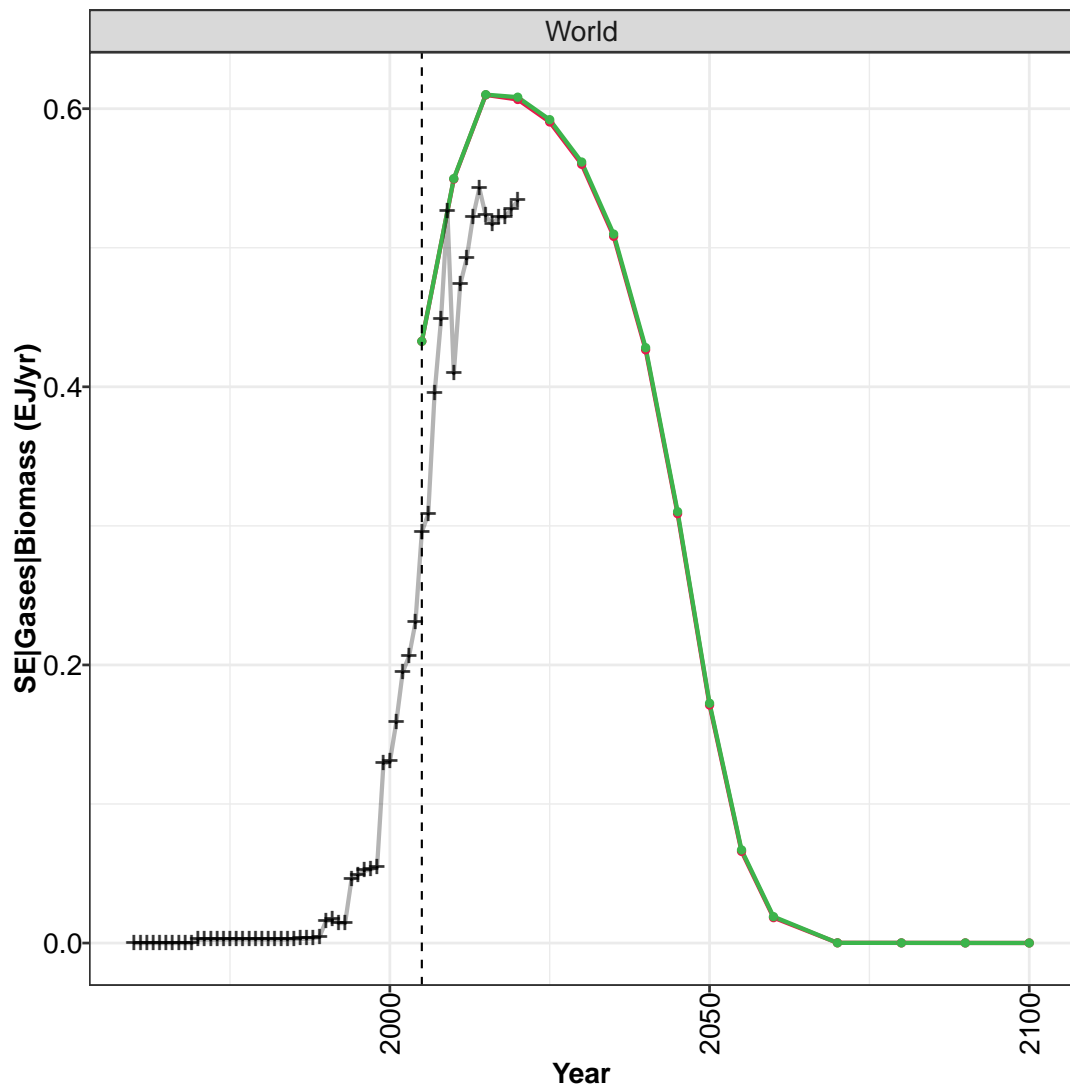
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + IEA



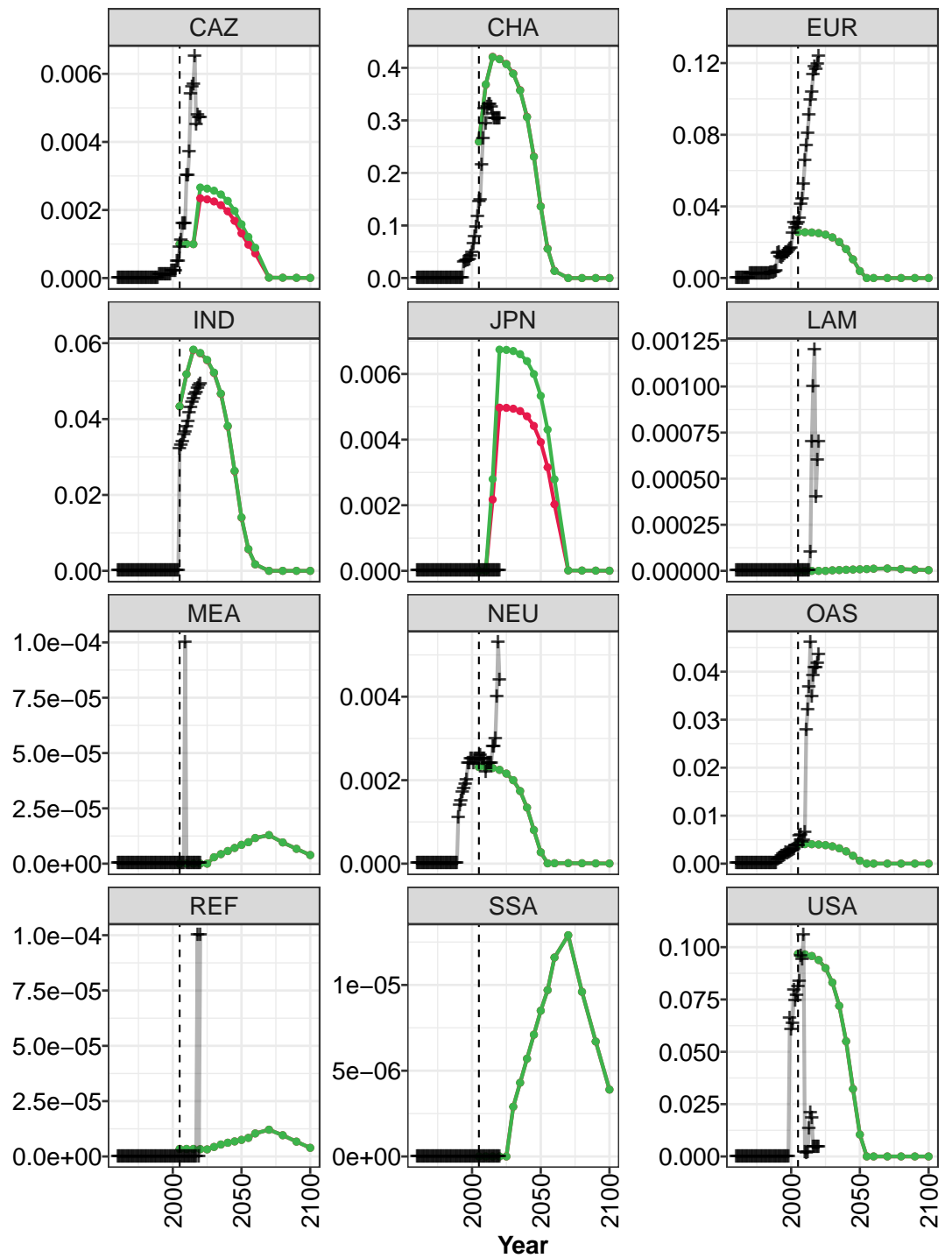


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + IEA

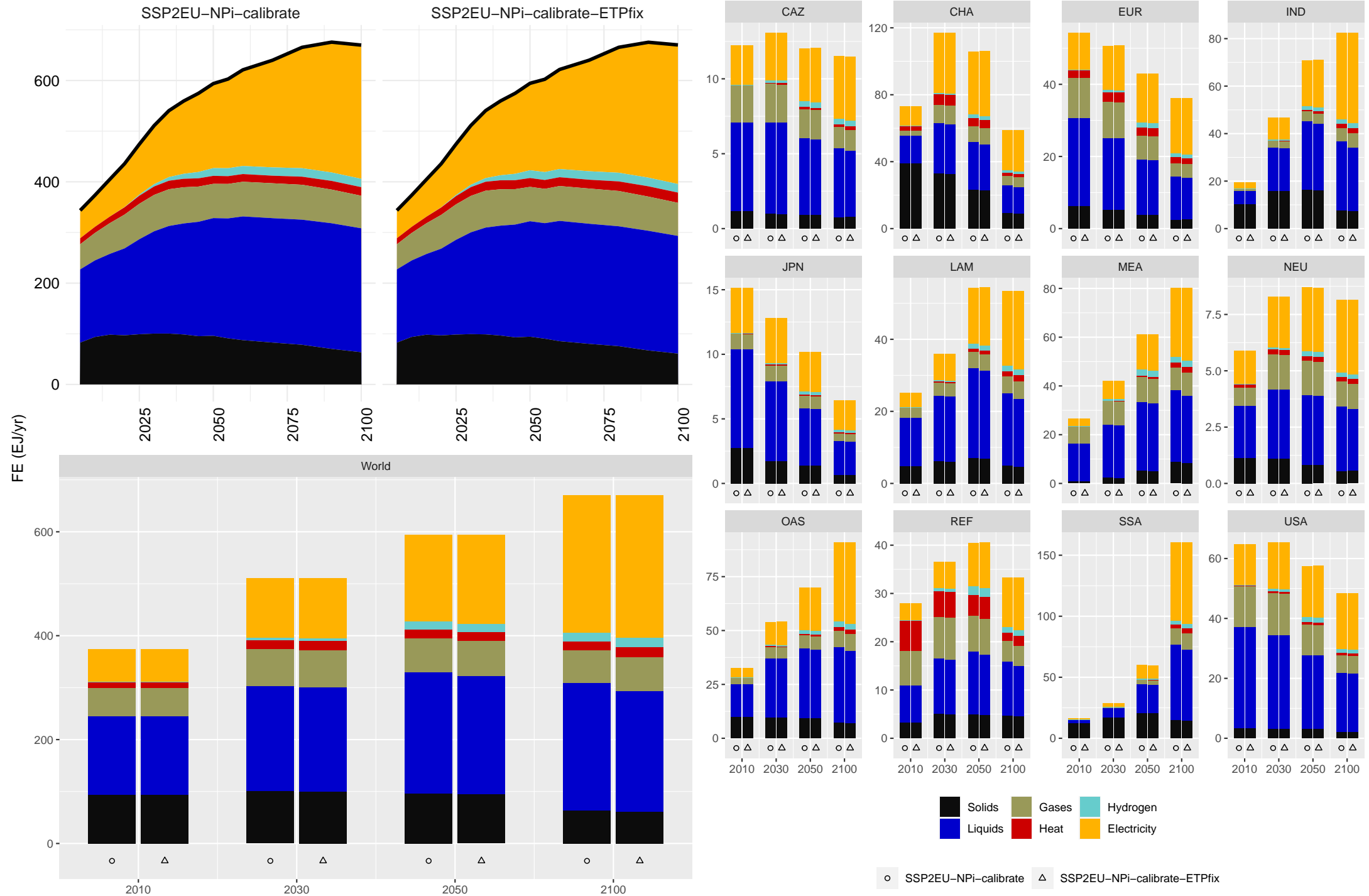


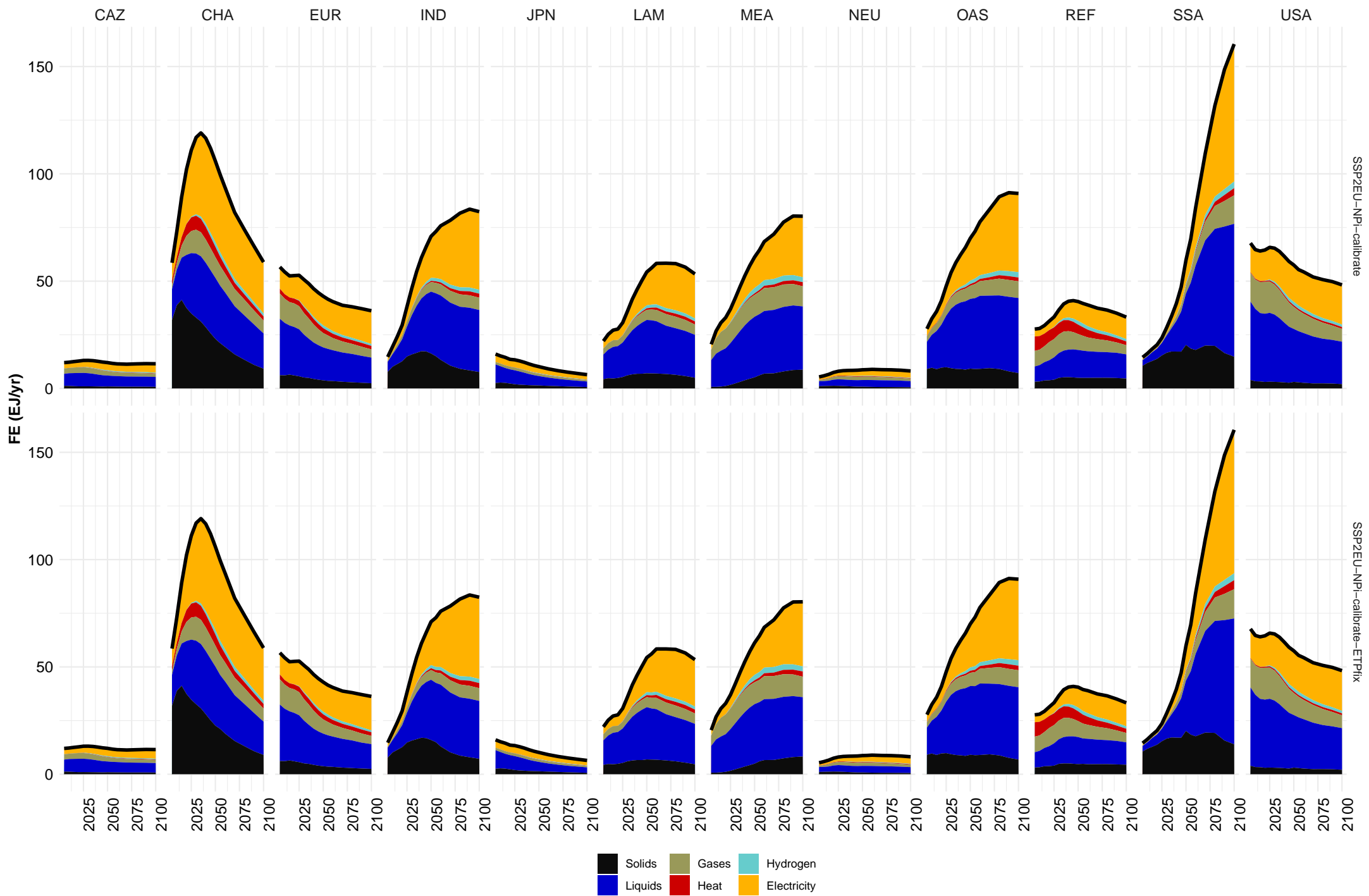
5 Energy Demand

5.1 Final Energy total

5.1.1 Basics

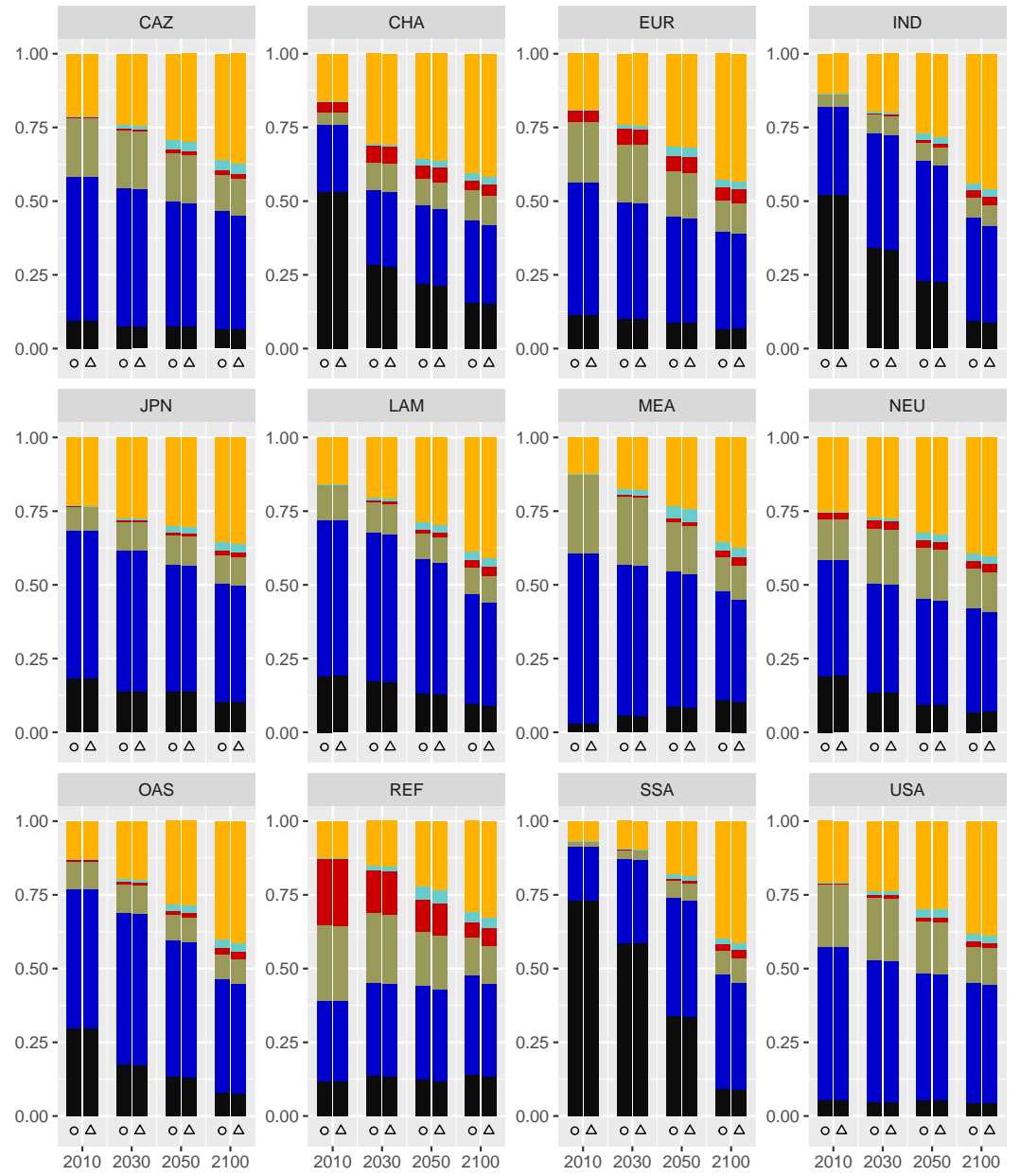
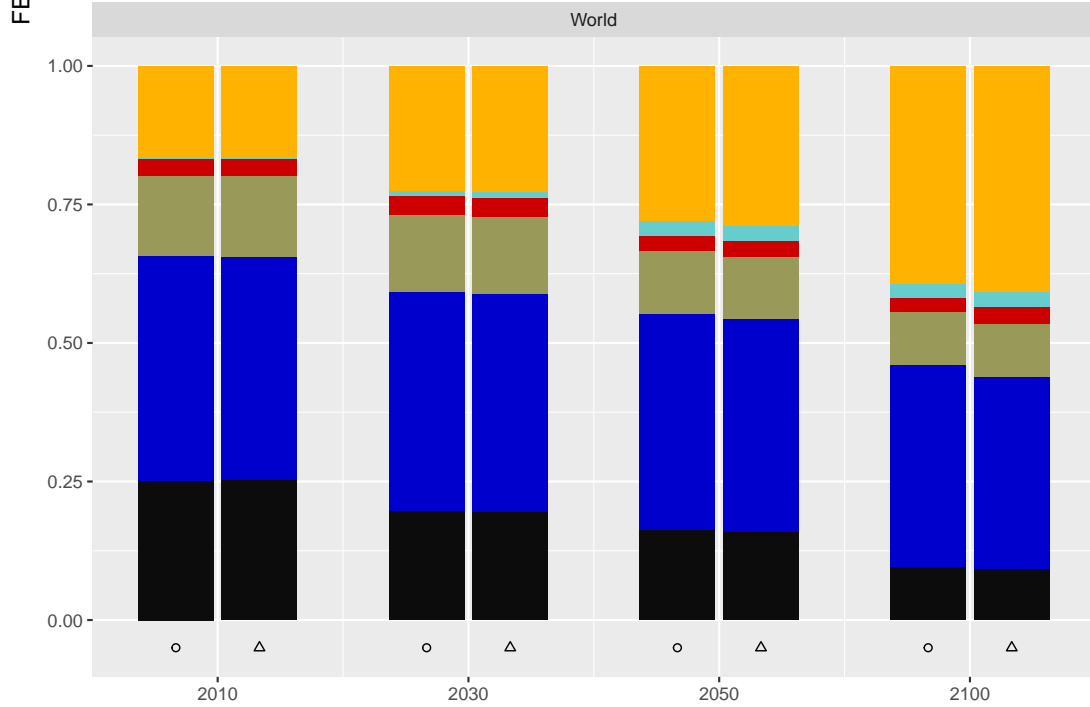
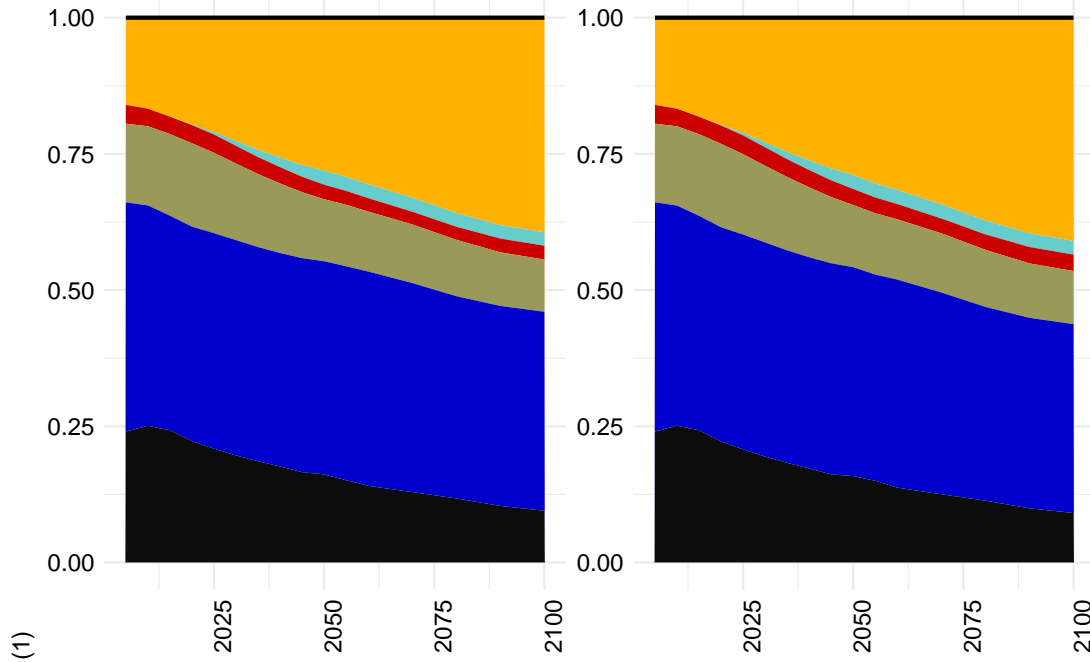
5.1.1.1 FE Area Plots





SSP2EU-NPi-calibrate

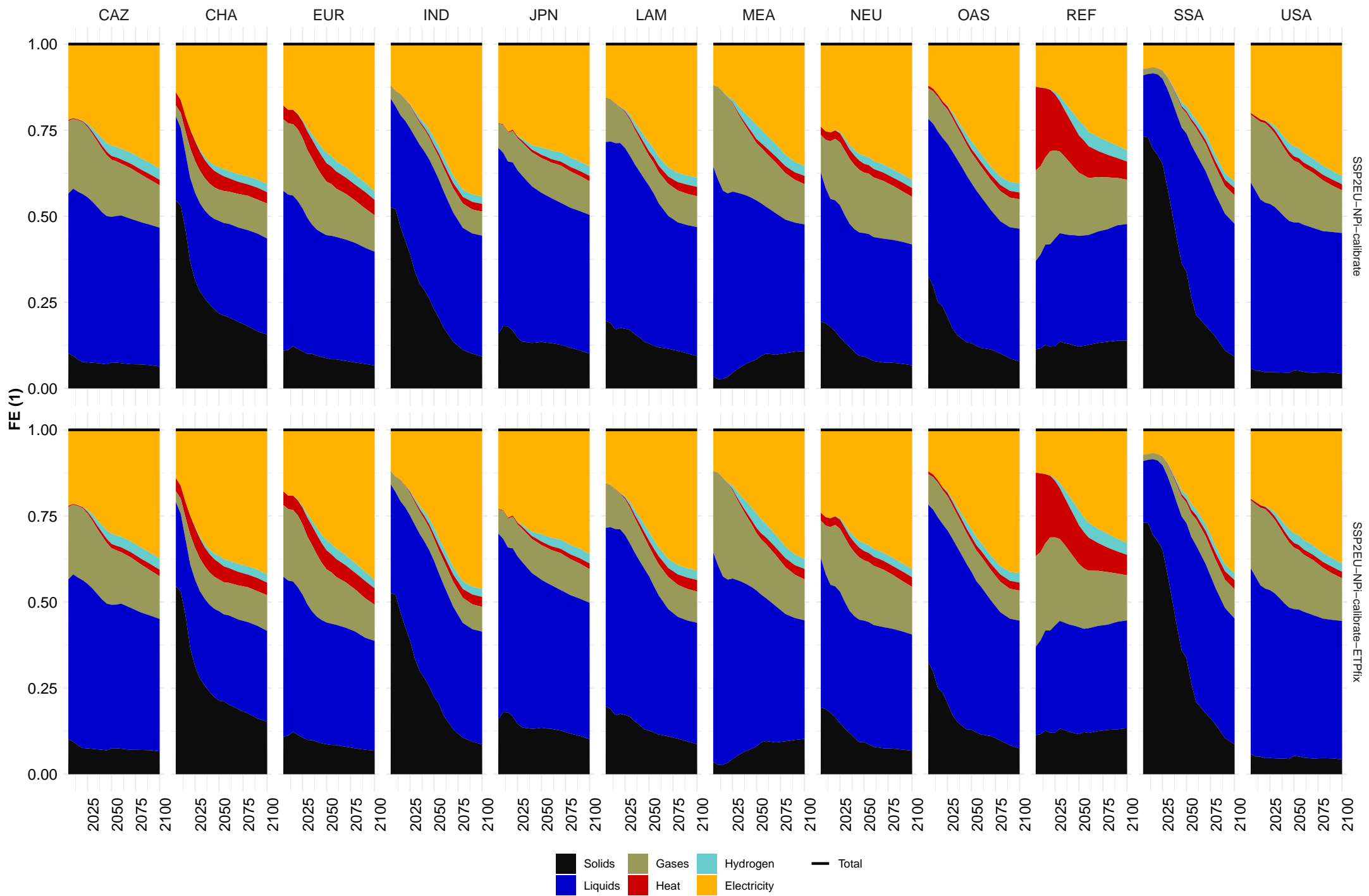
SSP2EU-NPi-calibrate-ETPfix



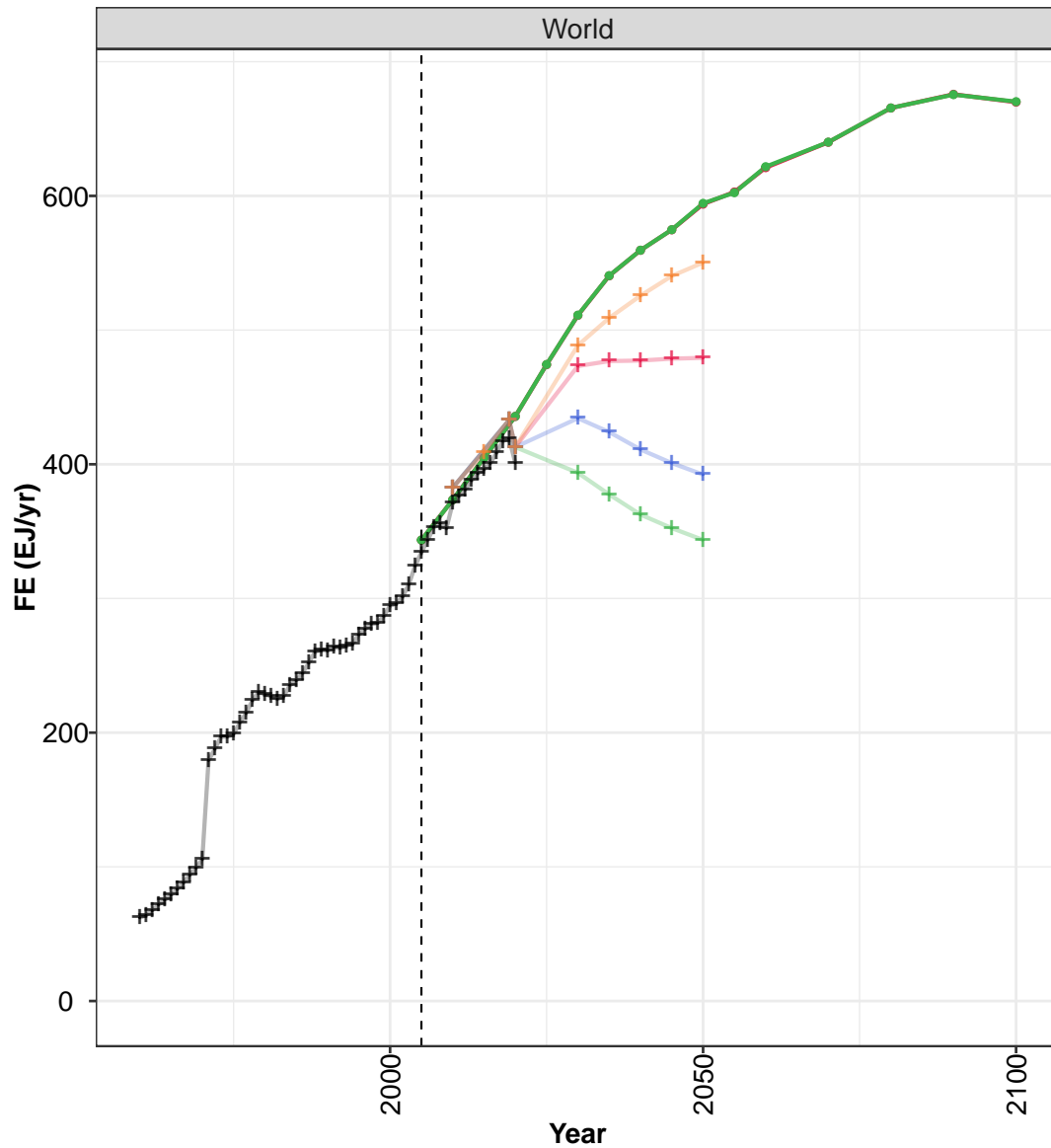
Solids
 Gases
 Hydrogen
 Liquids
 Heat
 Electricity

o SSP2EU-NPi-calibrate

Δ SSP2EU-NPi-calibrate-ETPfix



5.1.1.2 FE Line Plots

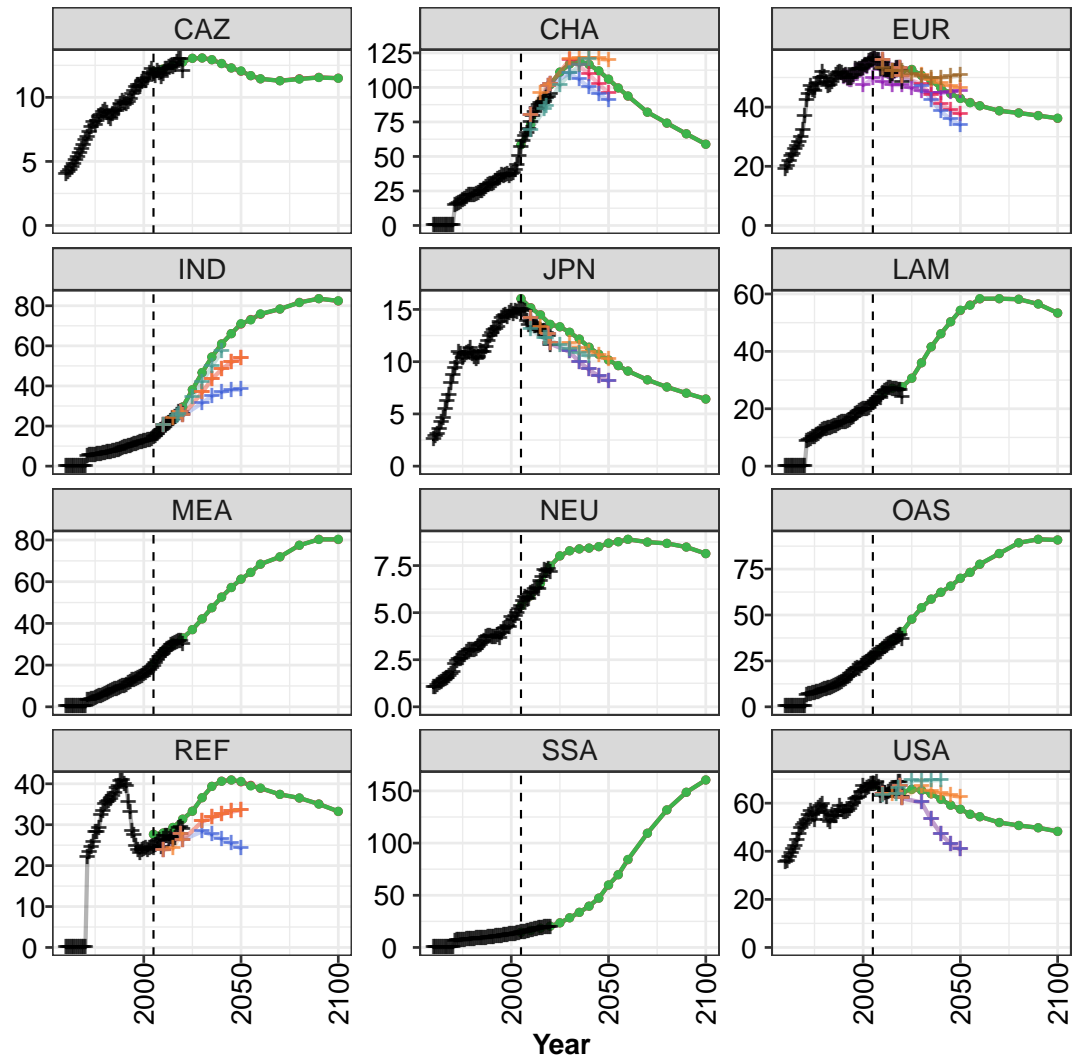


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + IEA
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS

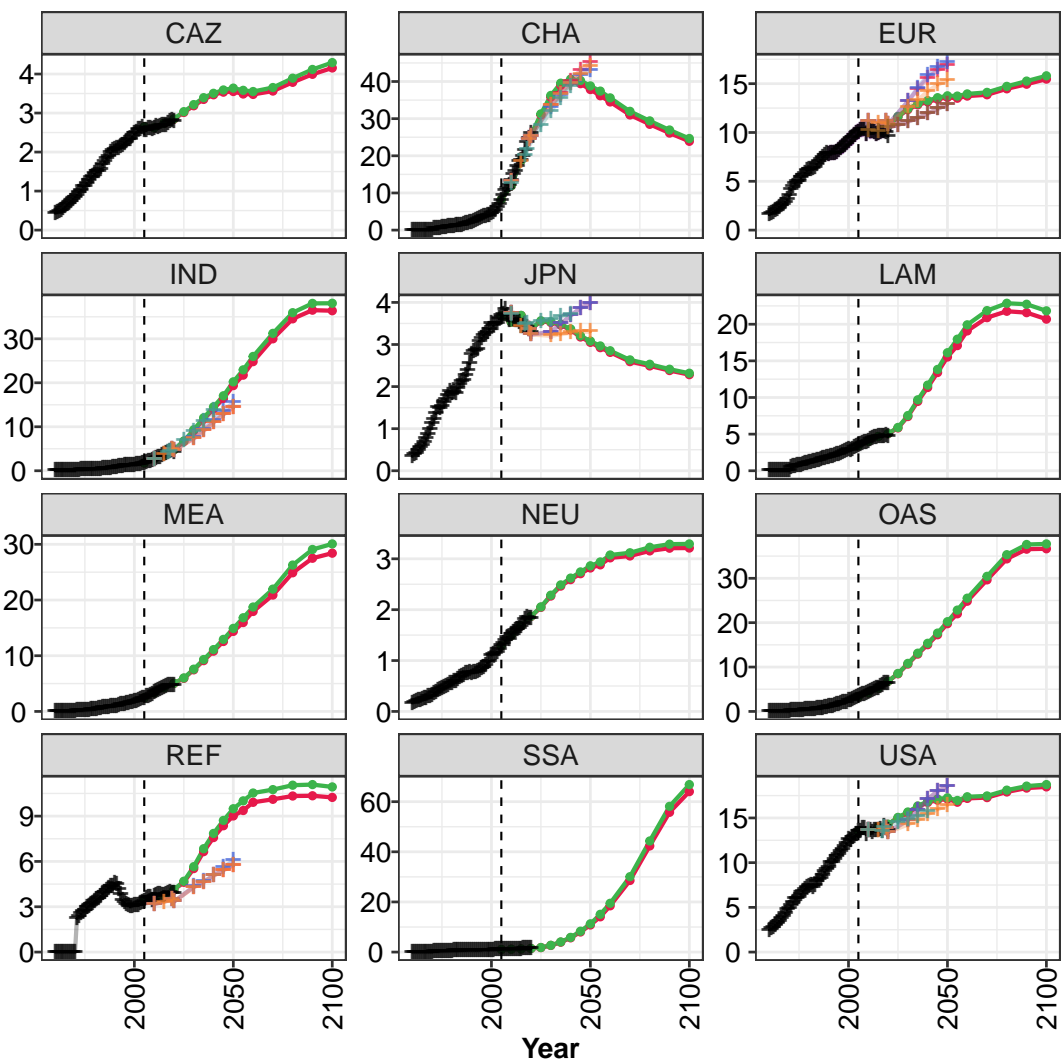
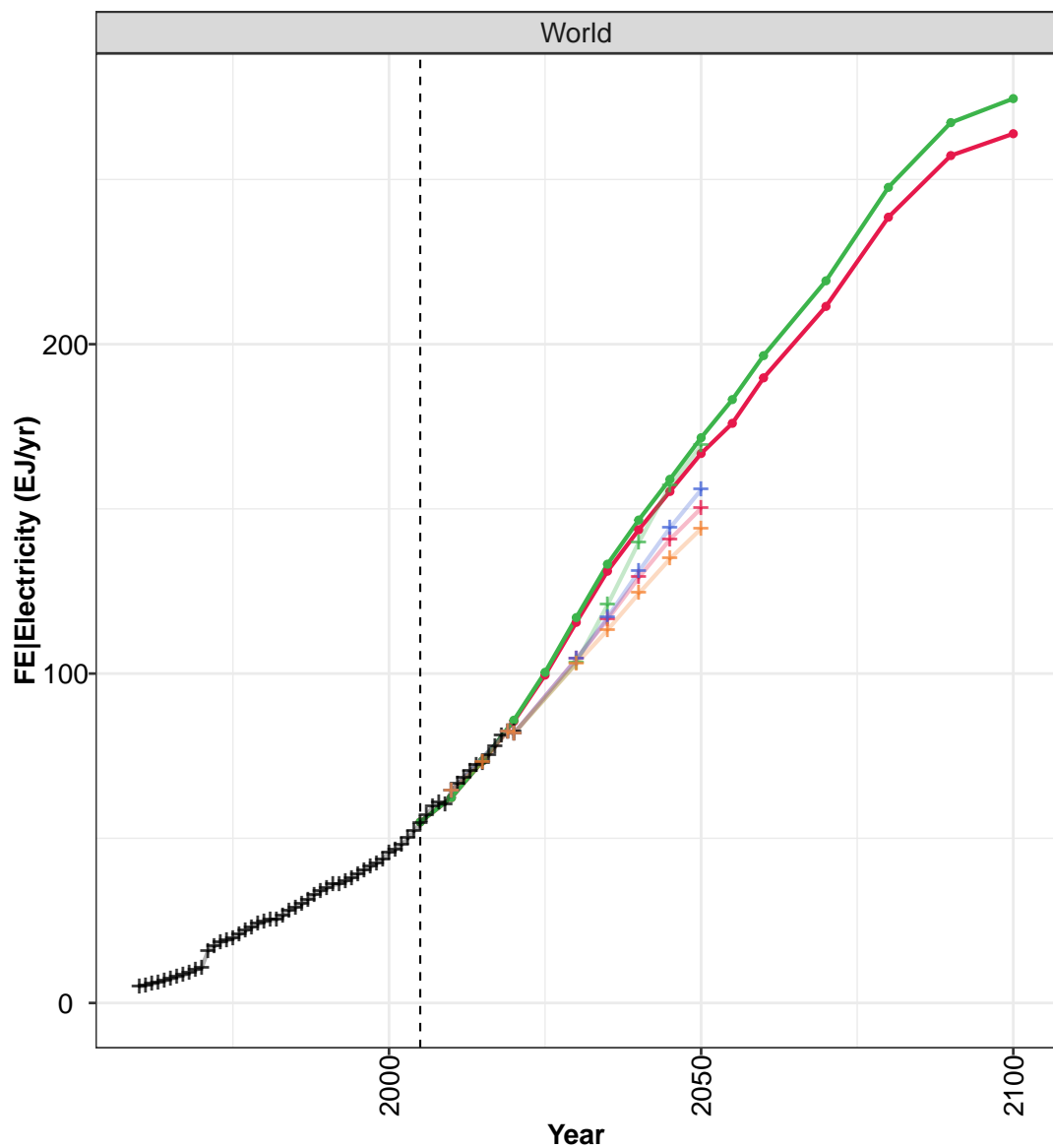


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + EU_ReferenceScenario_2016
- + Eurostat
- + IEA
- + IEA WEO 2021 APS
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS
- + IEA_WEO
- + INNOPATHS



Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

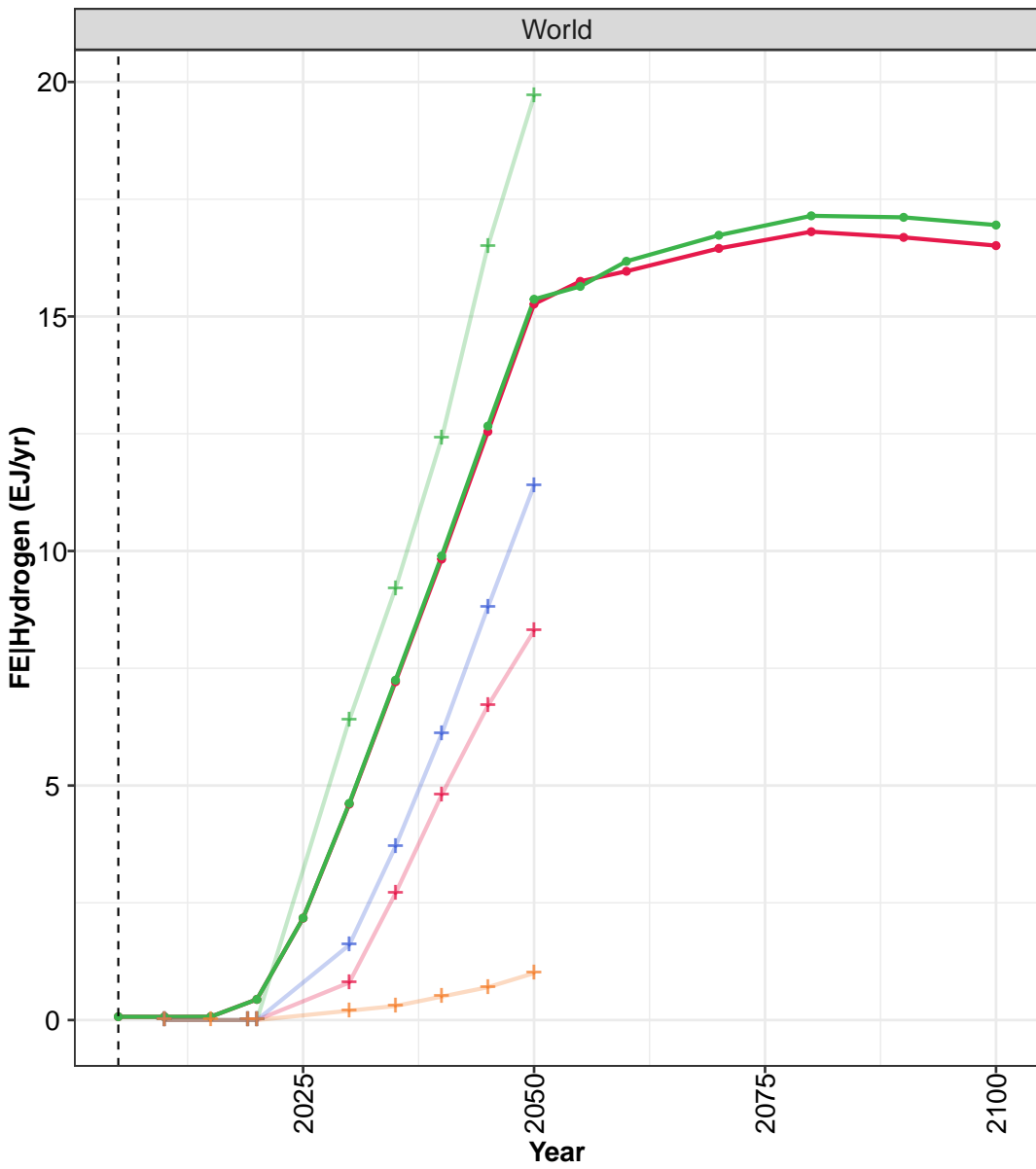
- + IEA
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS

Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + EU_ReferenceScenario_2016
- + Eurostat
- + IEA
- + IEA WEO 2021 APS
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS
- + IEA_WEO
- + INNOPATHS

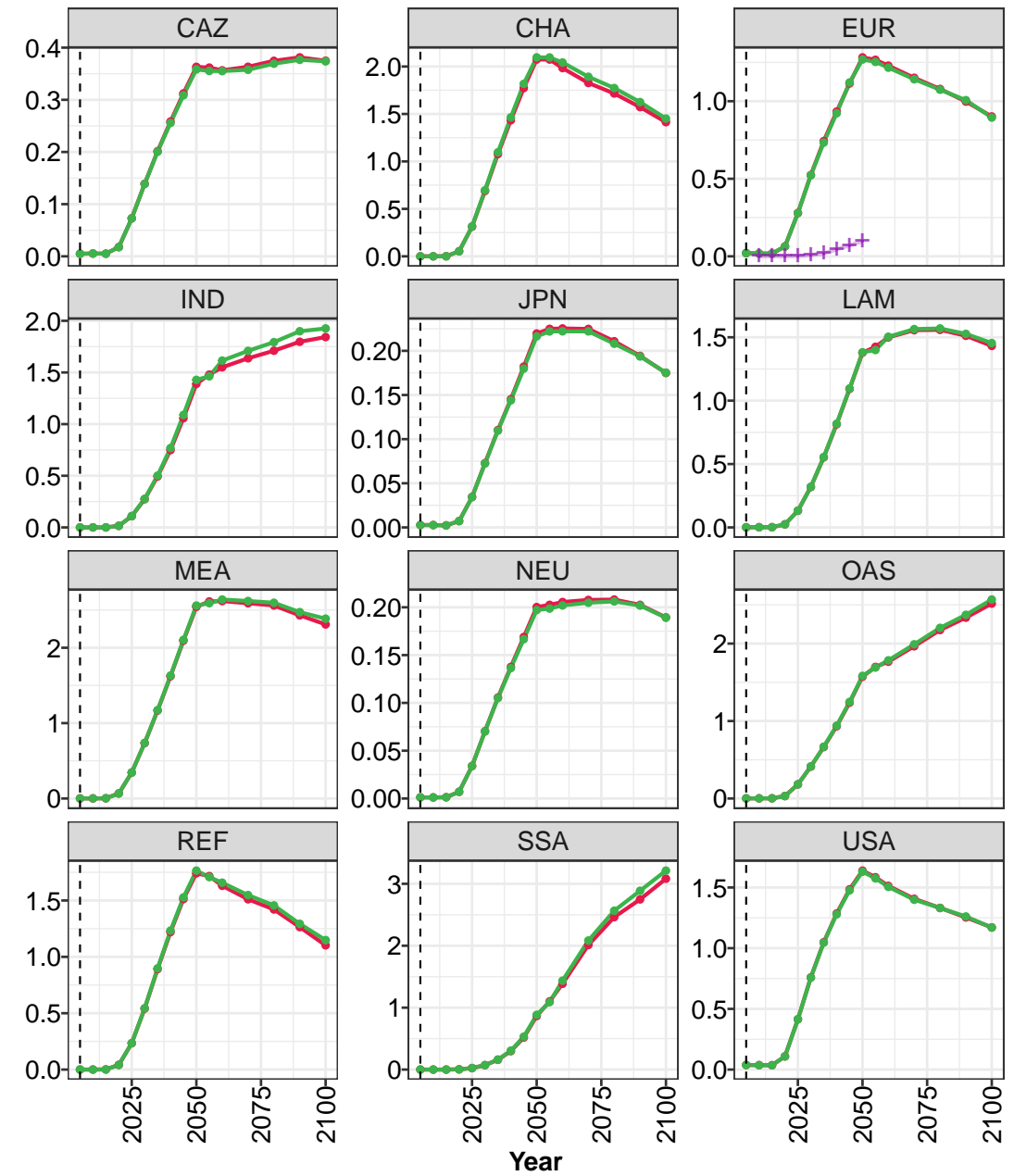


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS

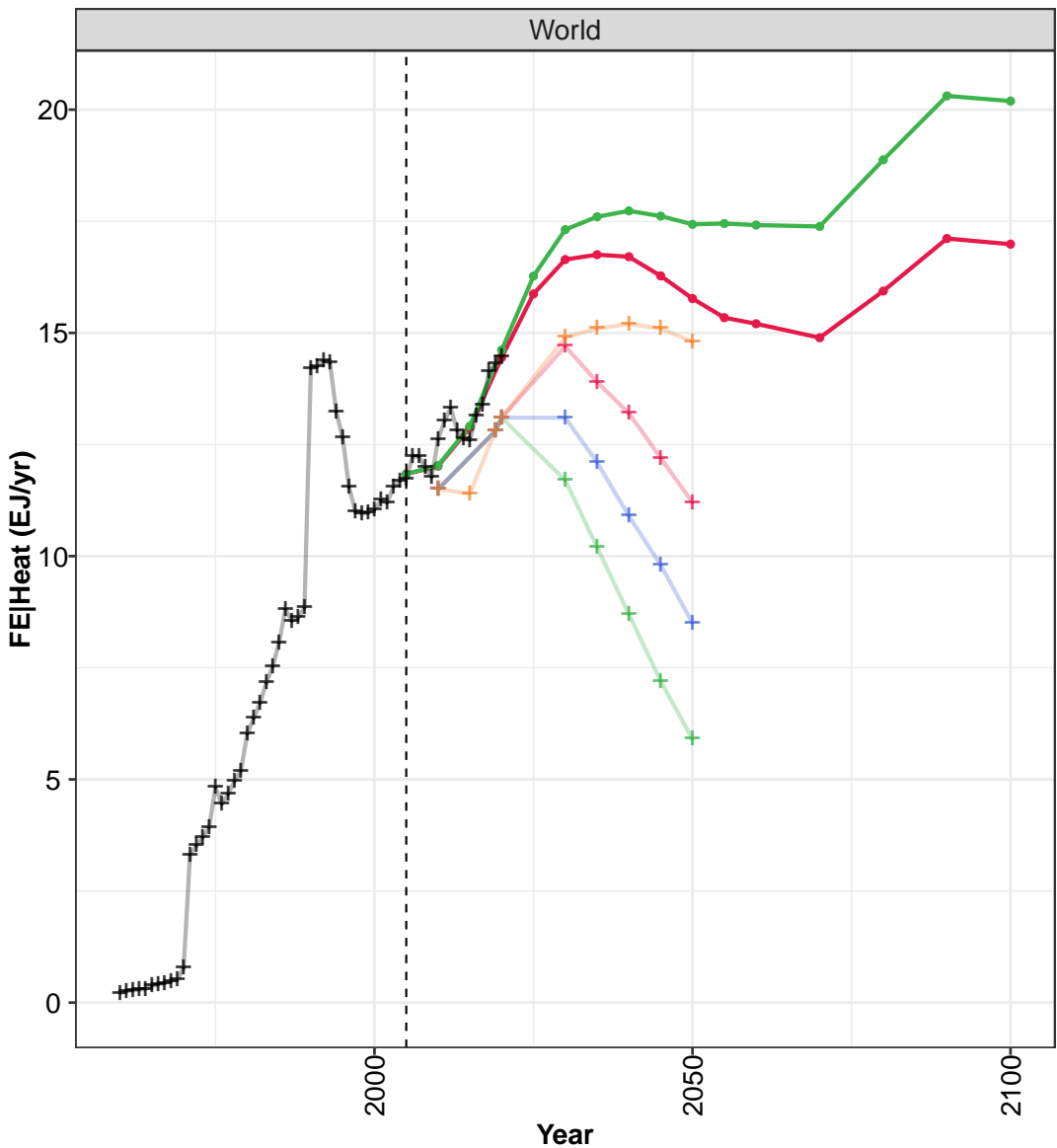


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + INNOPATHS

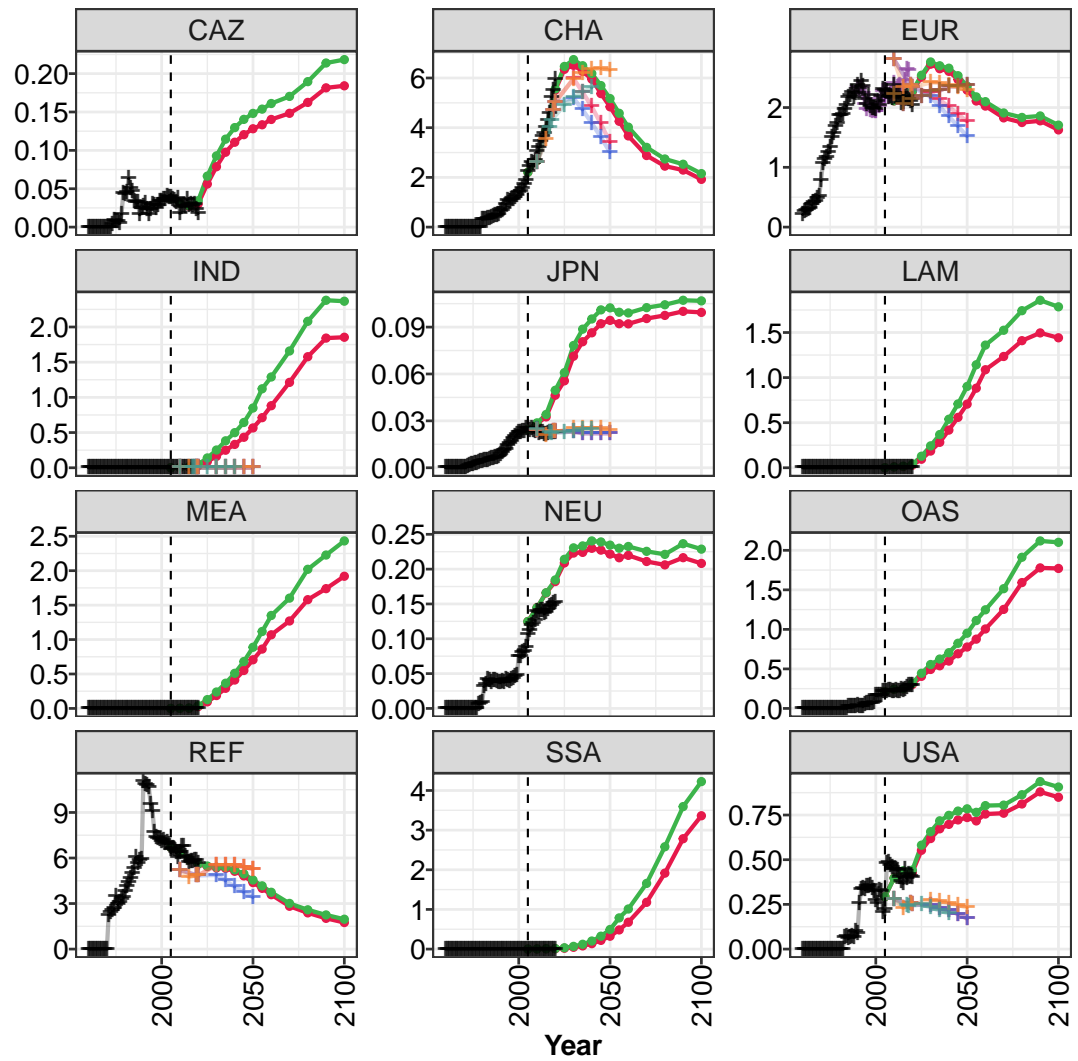


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + IEA
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS

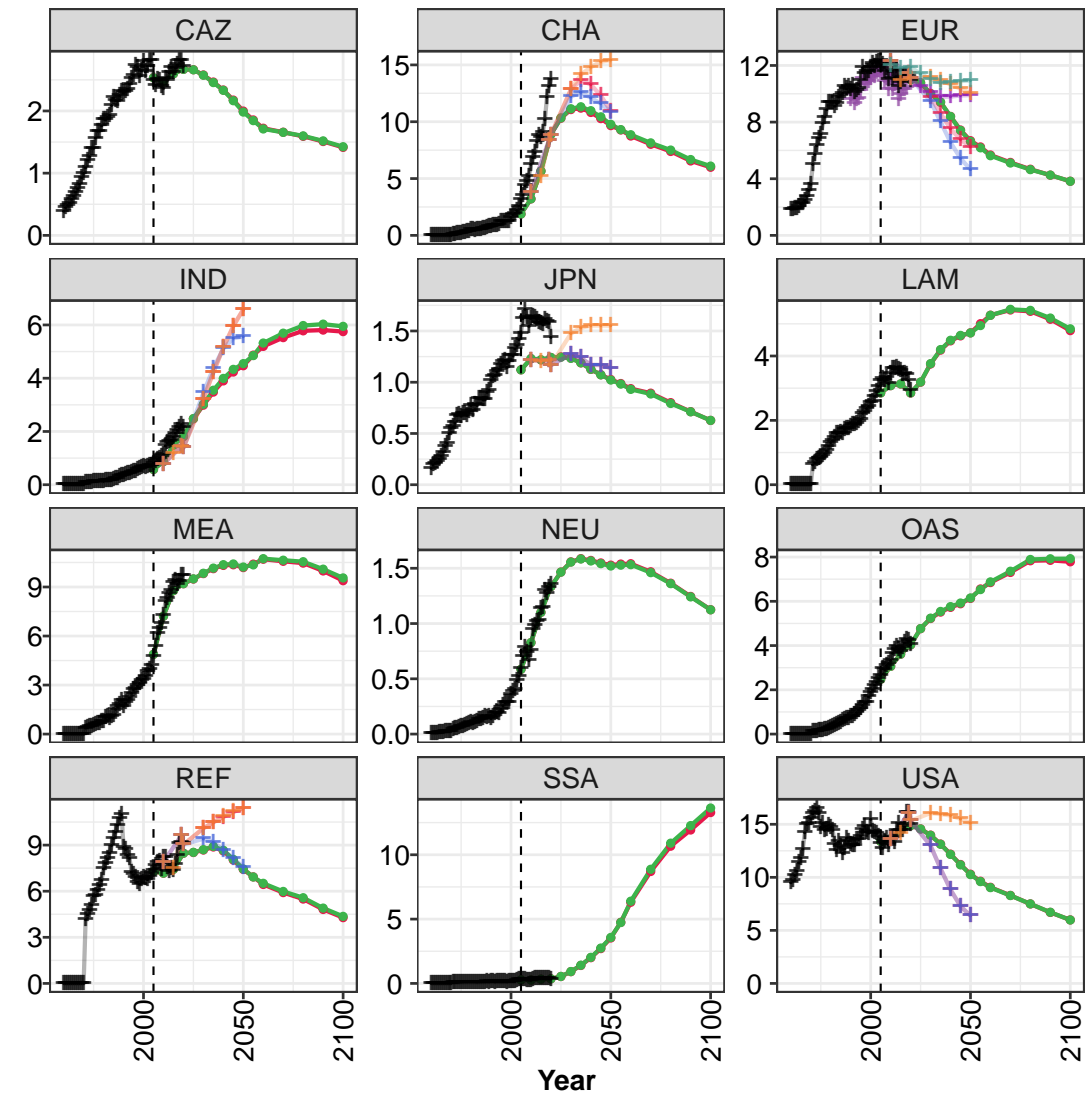
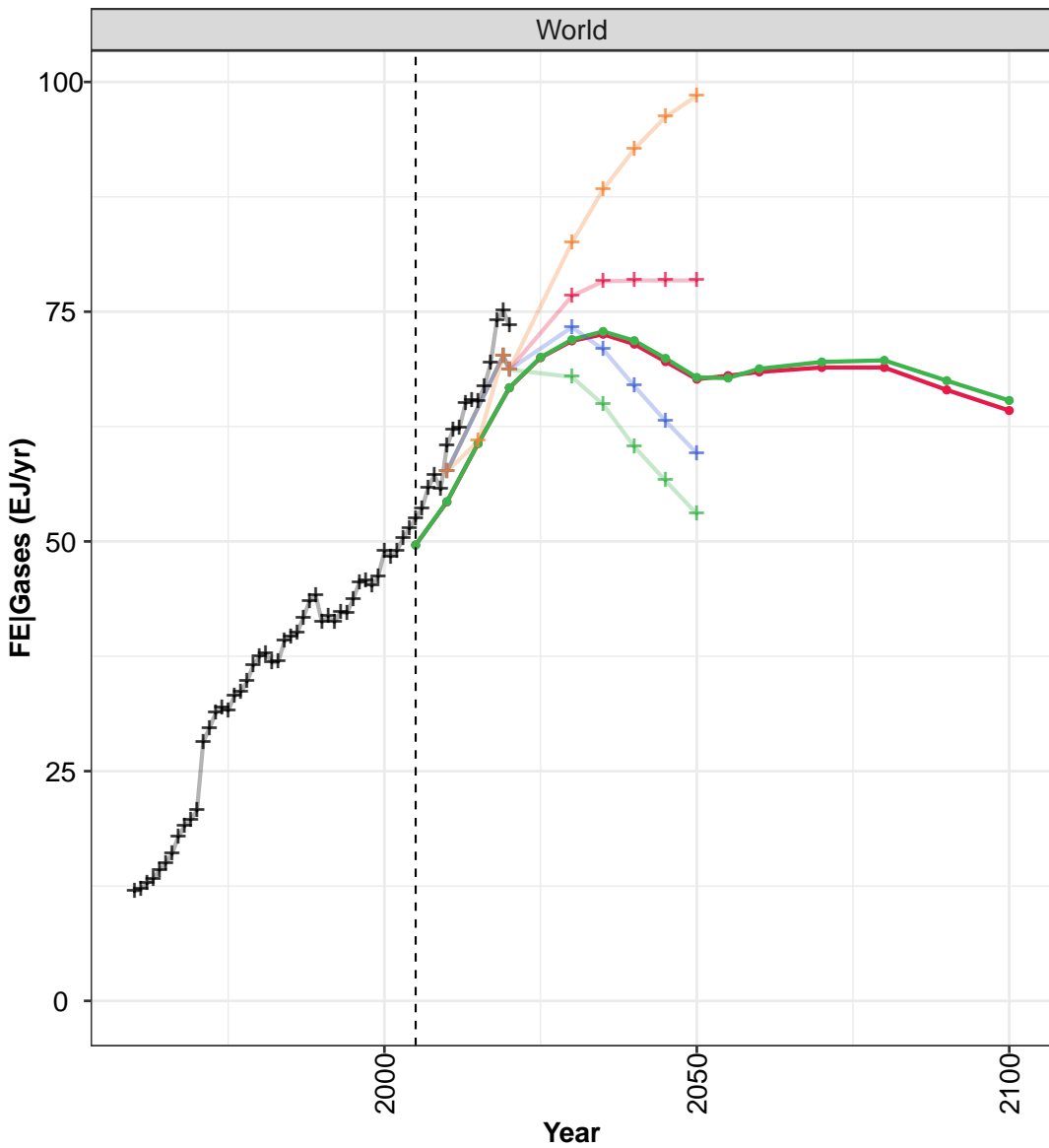


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + EU_ReferenceScenario_2016
- + Eurostat
- + IEA
- + IEA WEO 2021 APS
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS
- + IEA_WEO
- + INNOPATHS



Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

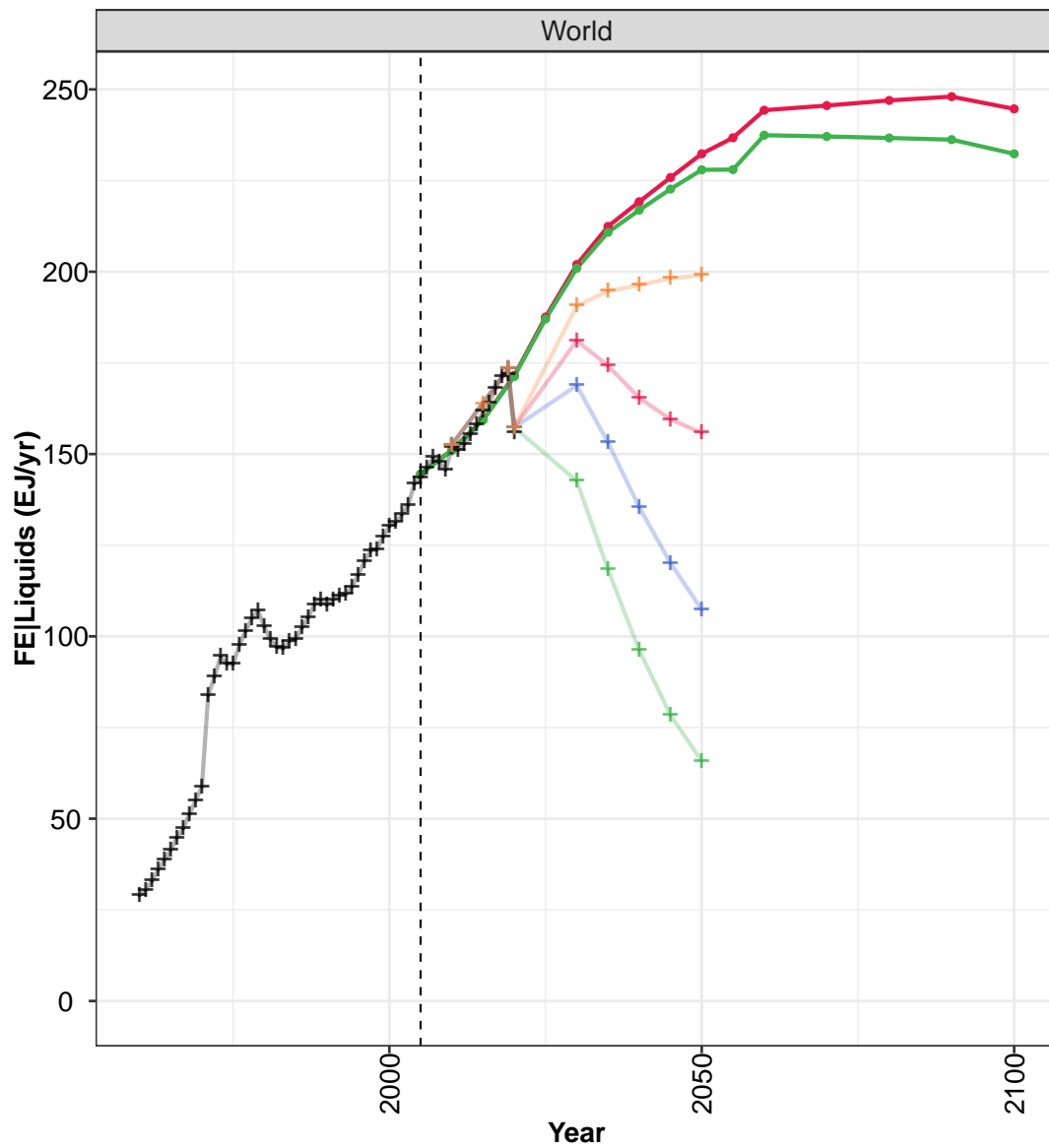
- + IEA
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS

Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + EU_ReferenceScenario_2016
- + Eurostat
- + IEA
- + IEA WEO 2021 APS
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS
- + INNOPATHS

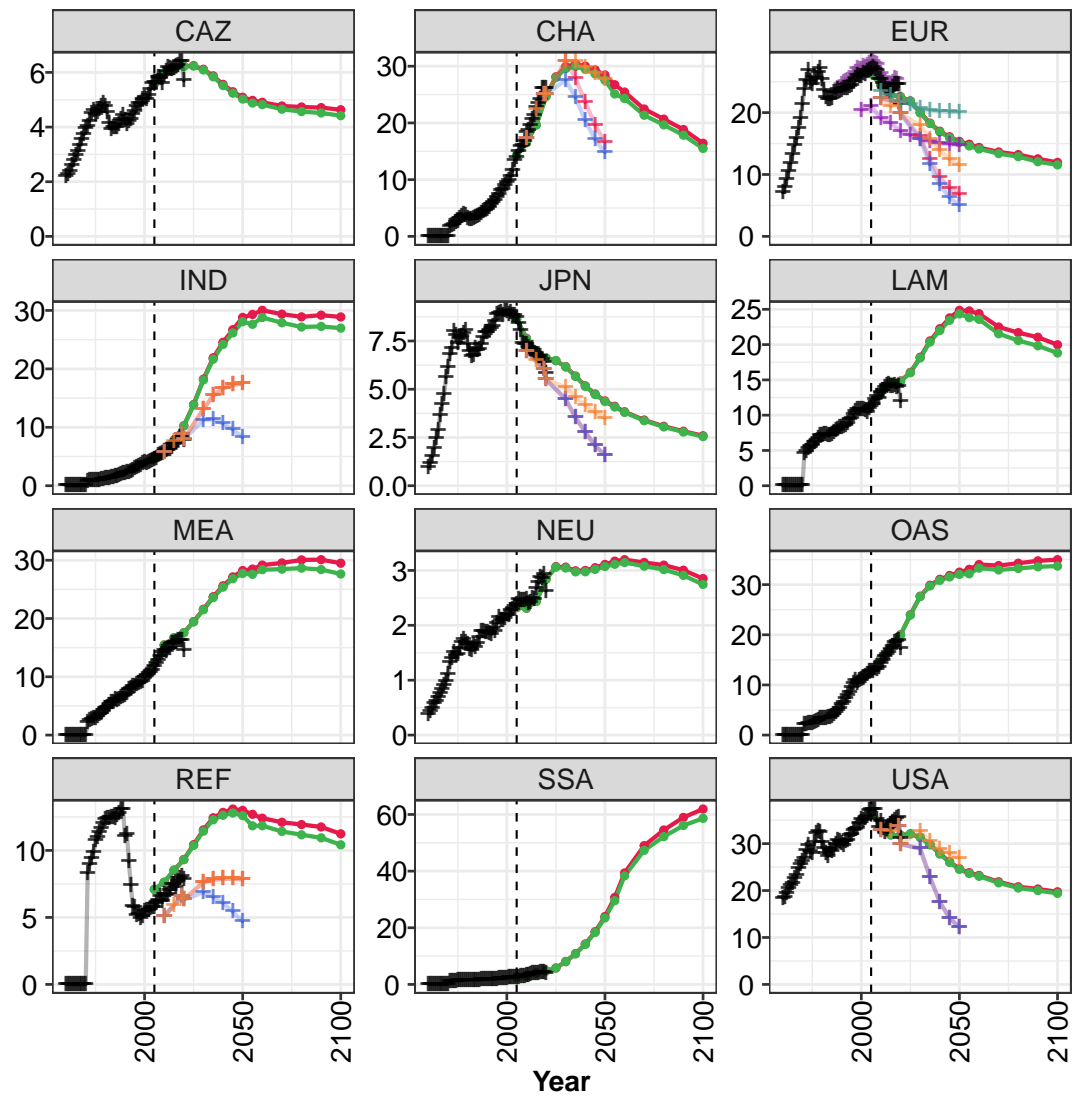


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + IEA
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS

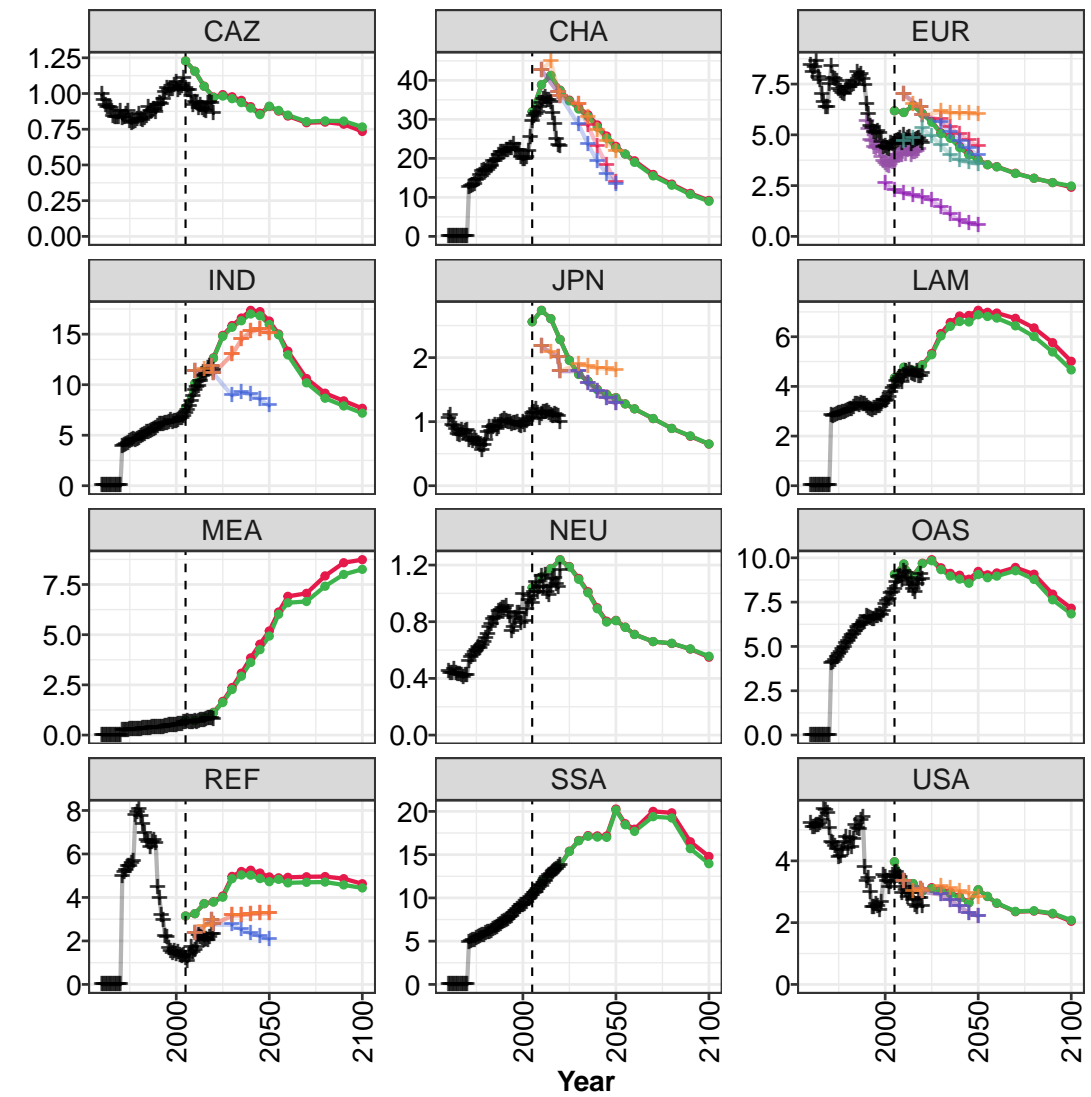
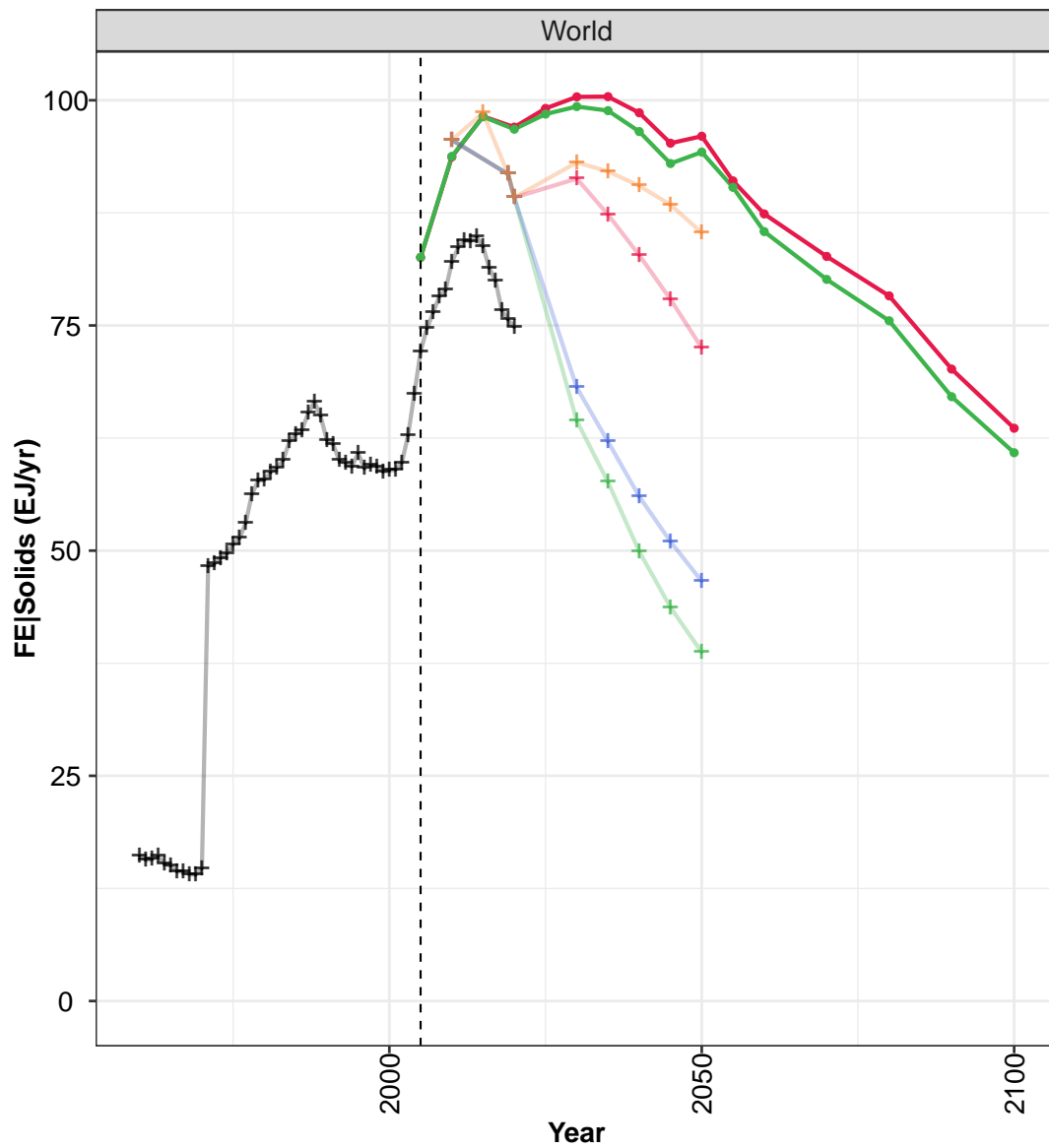


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + EU_ReferenceScenario_2016
- + Eurostat
- + IEA
- + IEA WEO 2021 APS
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS
- + INNOPATHS



Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + IEA
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS

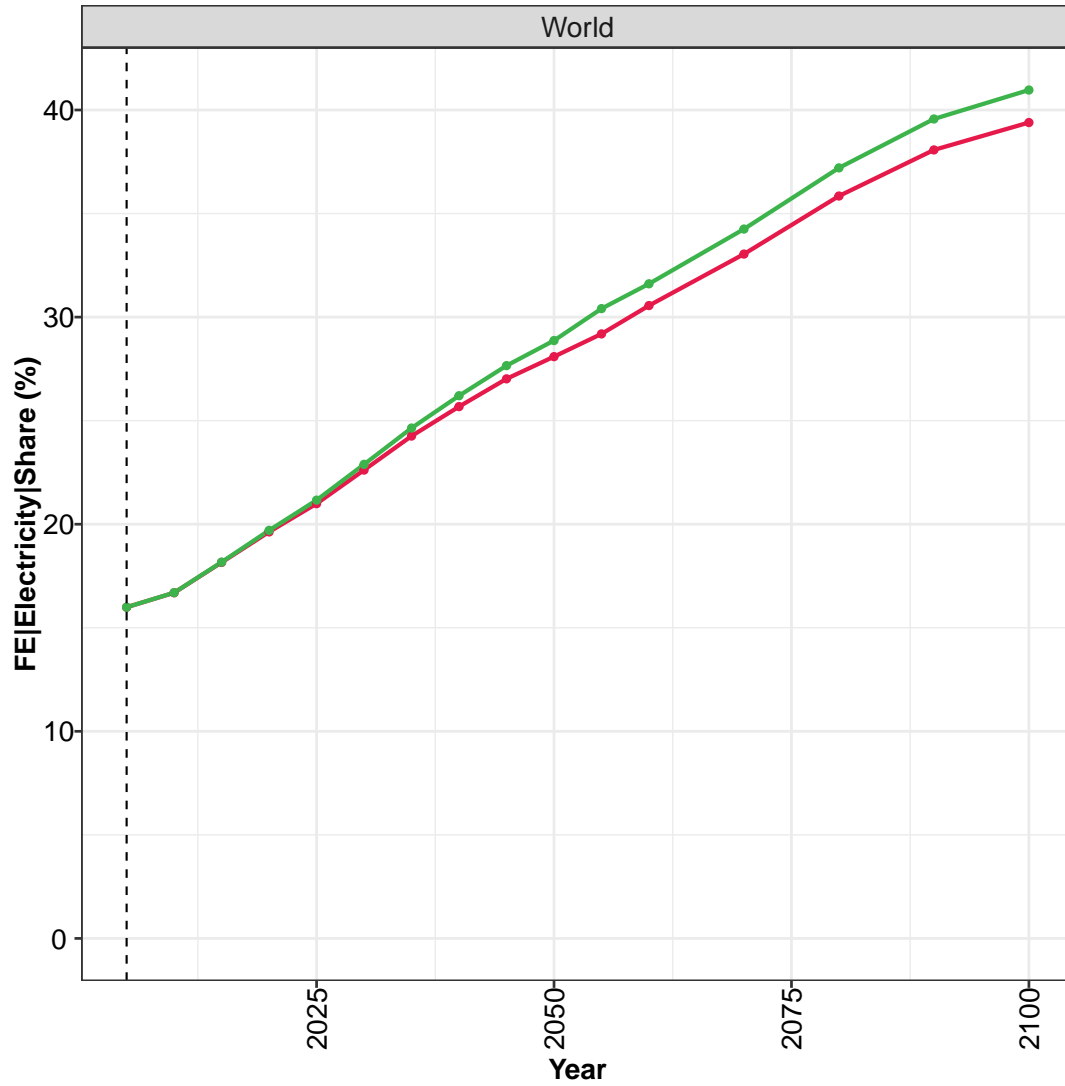
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

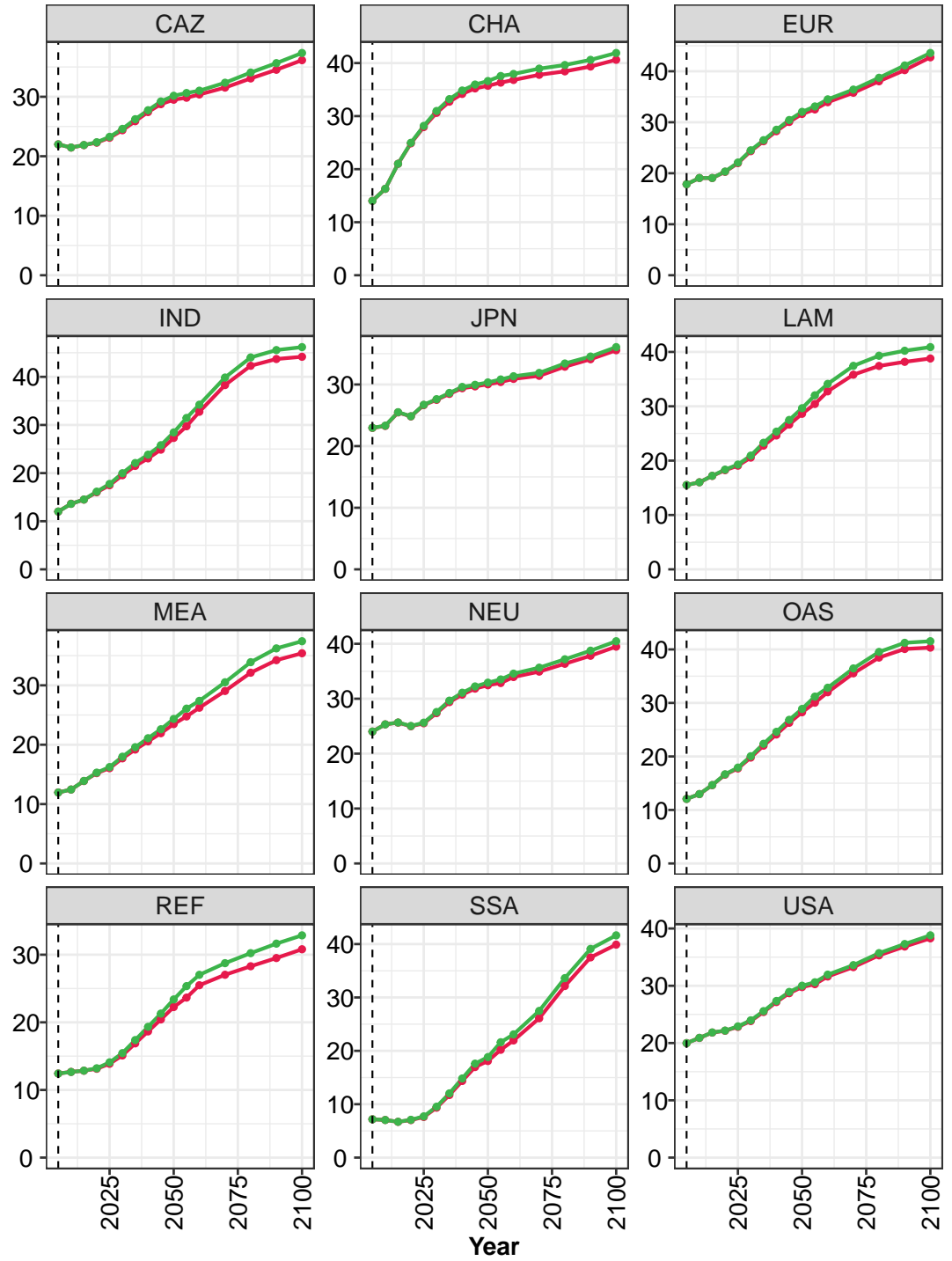
- + EU_ReferenceScenario_2016
- + Eurostat
- + IEA
- + IEA WEO 2021 APS
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS
- + INNOPATHS

5.1.1.3 FE Electricity Share



Model: REMIND

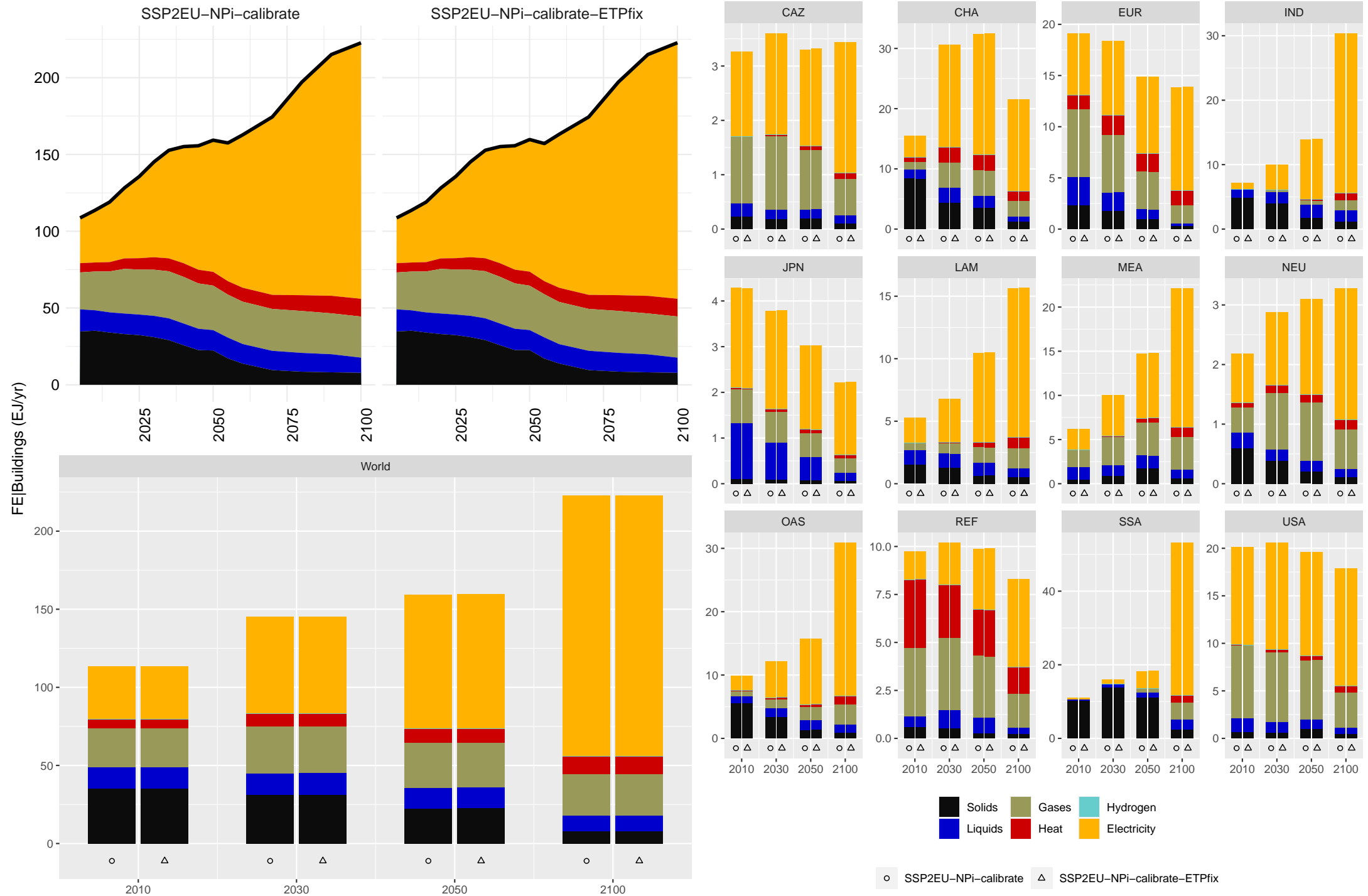
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

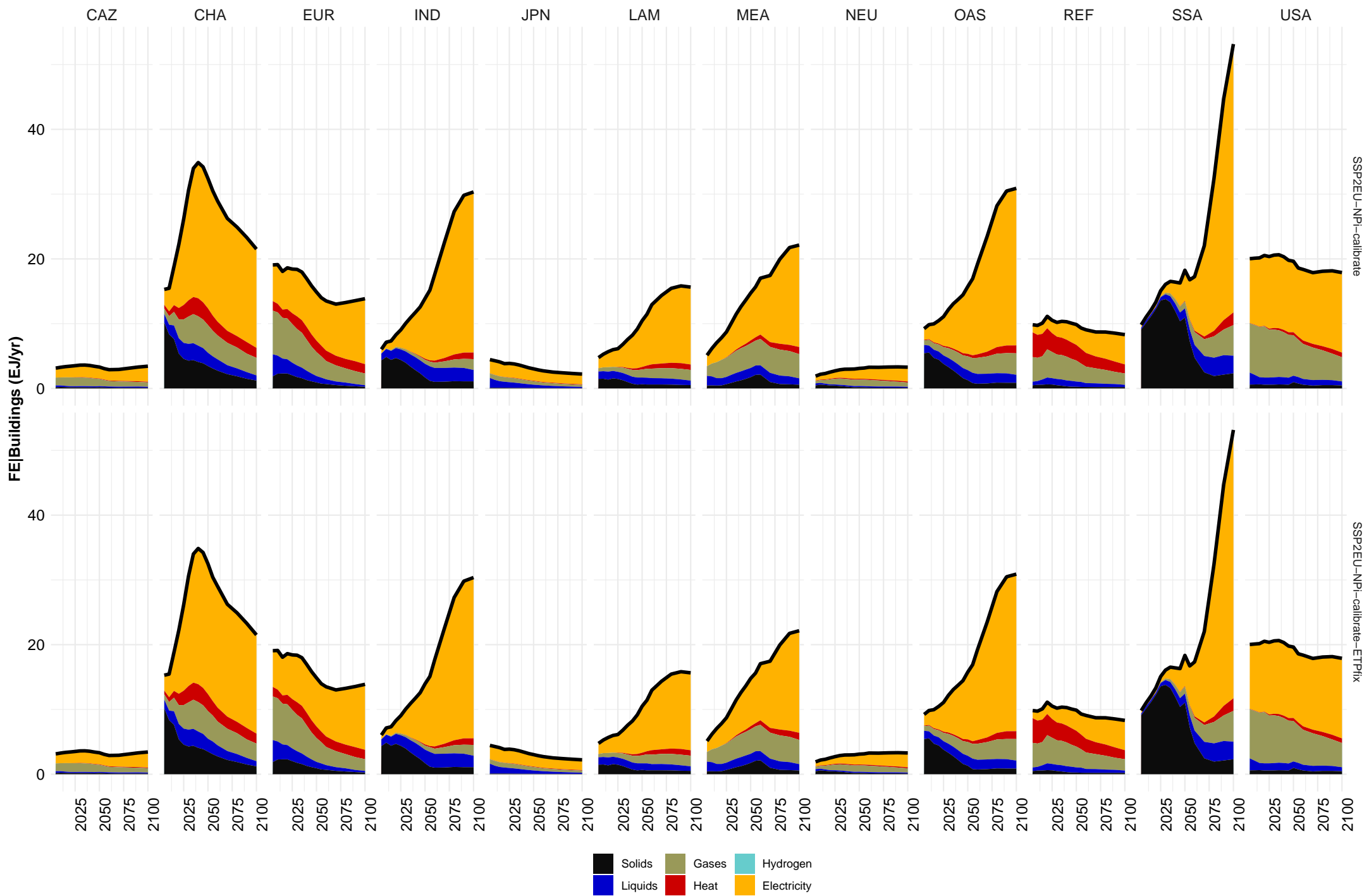


5.2 Buildings Final Energy

5.2.1 Basics

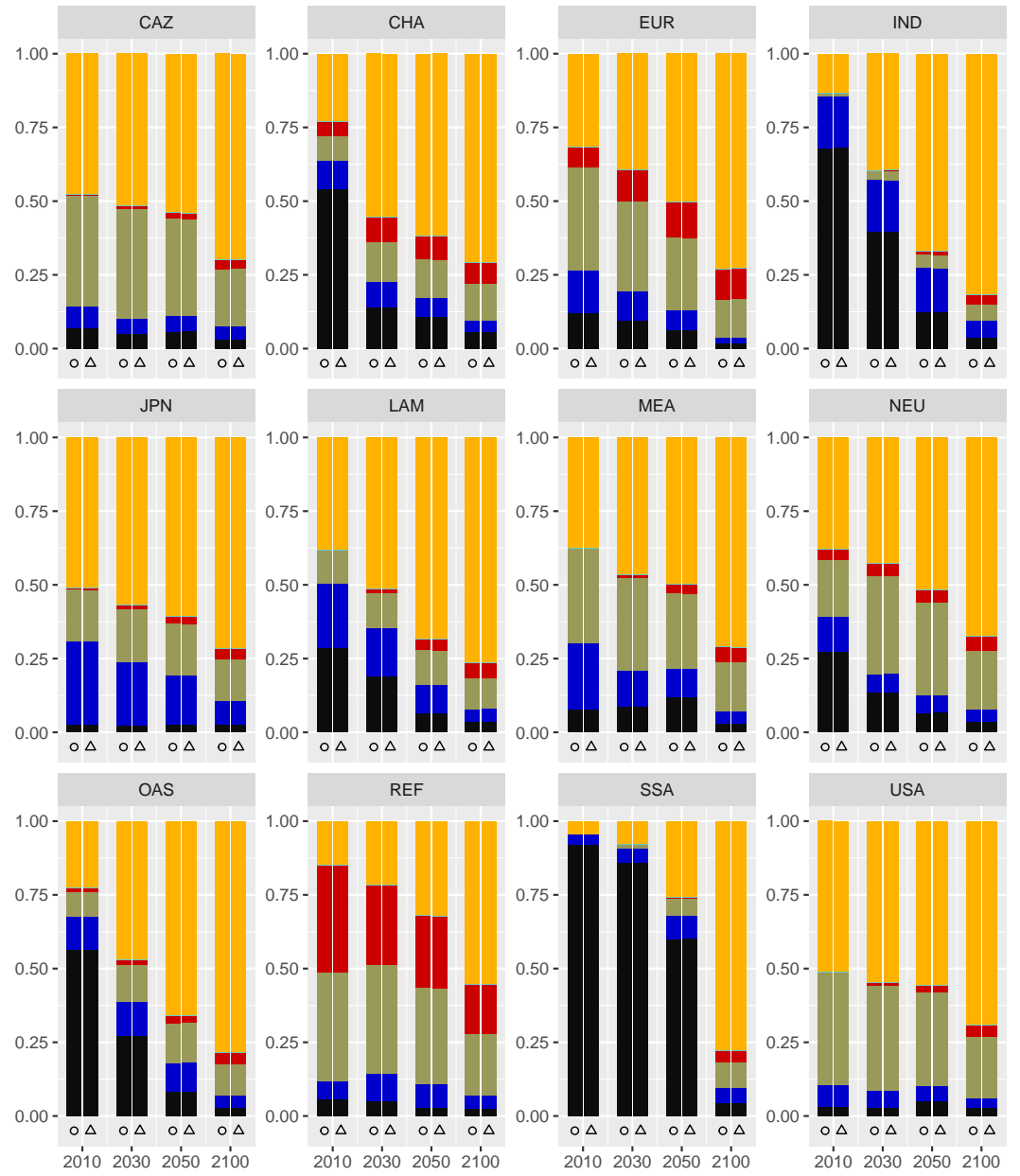
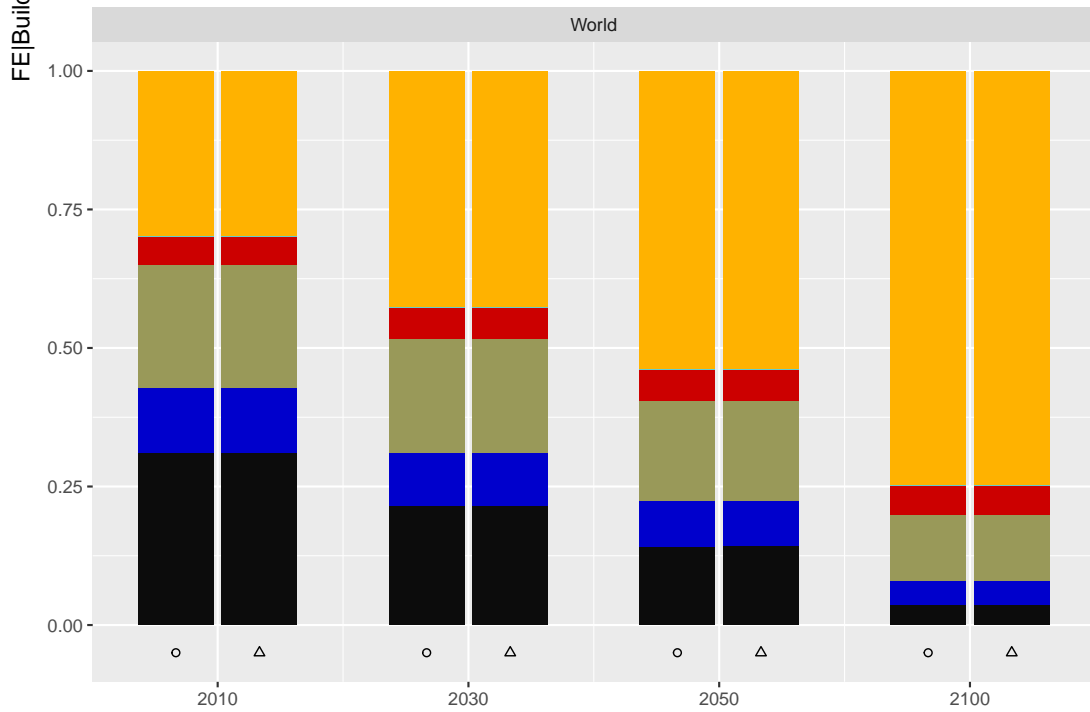
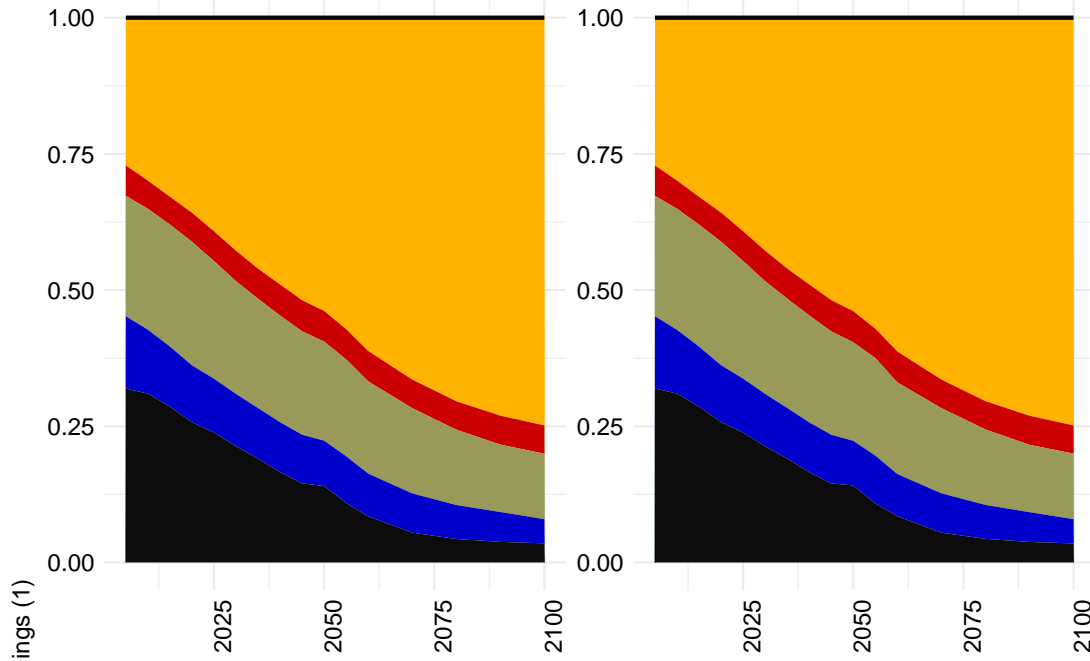
5.2.1.1 FE Buildings Area Plots





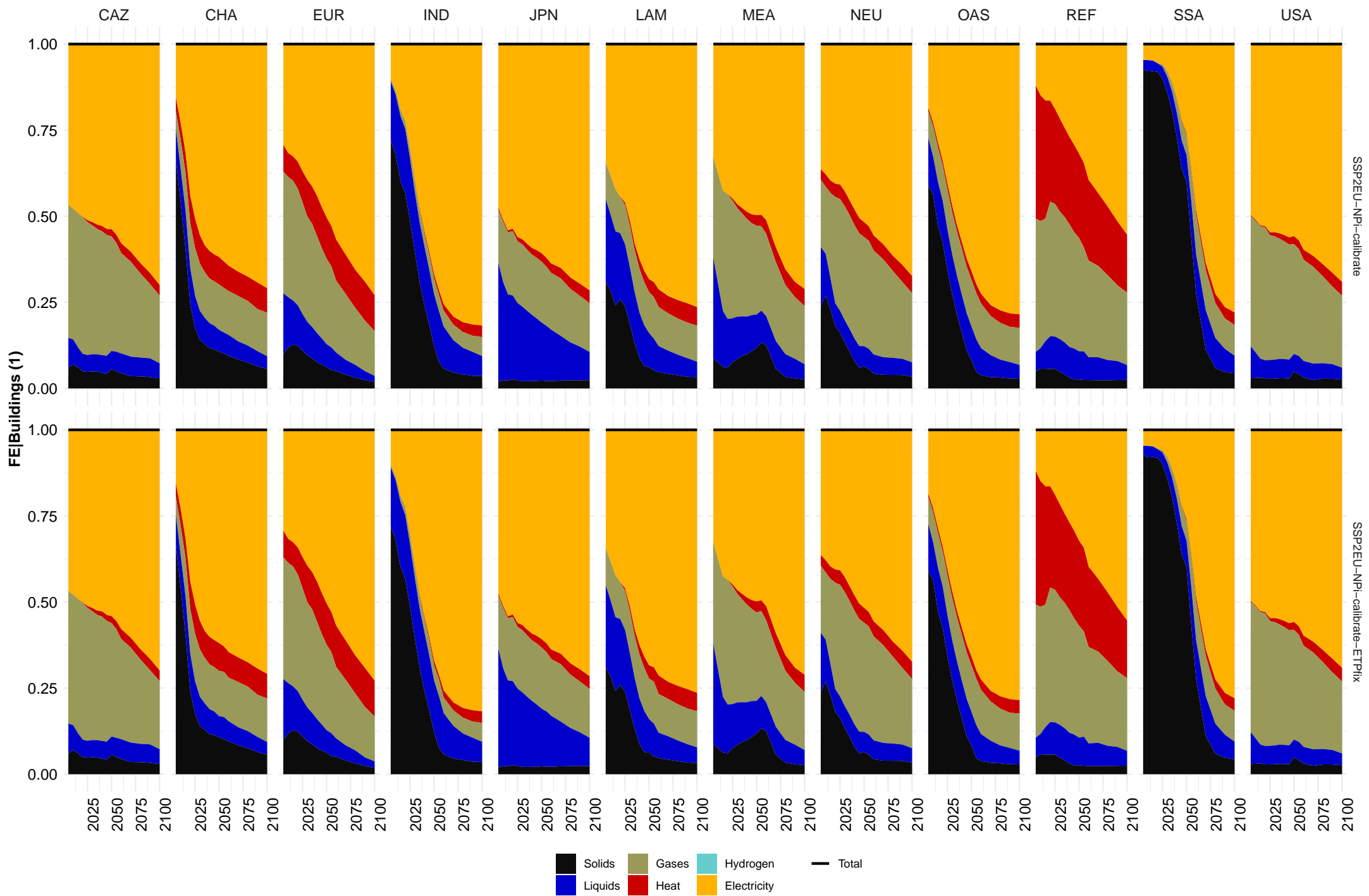
SSP2EU-NPi-calibrate

SSP2EU-NPi-calibrate-ETPfix



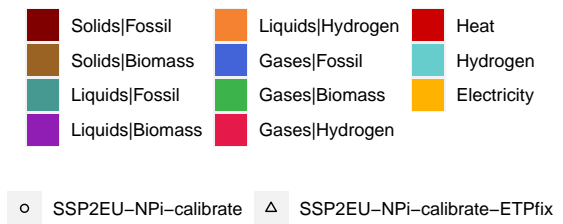
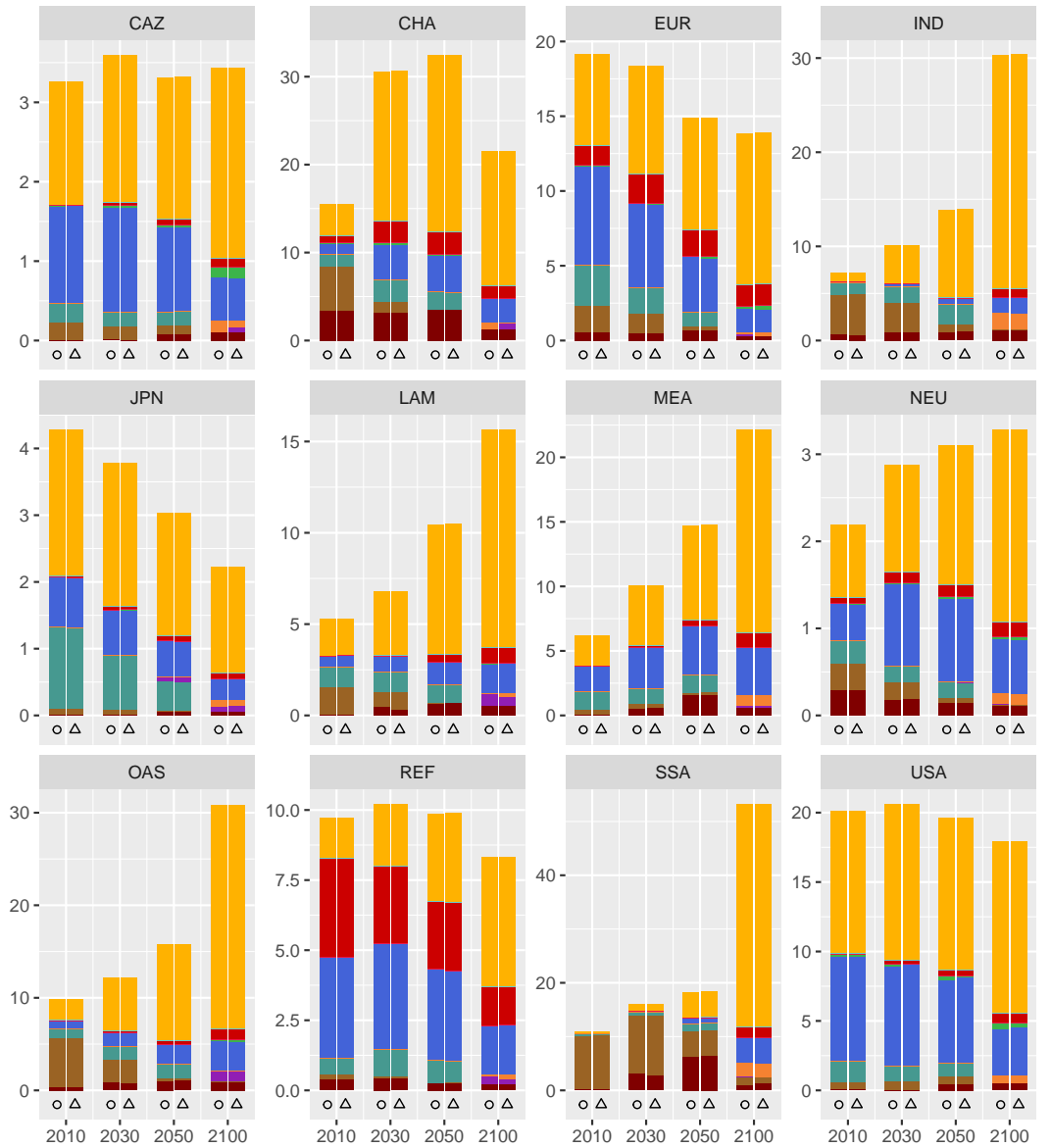
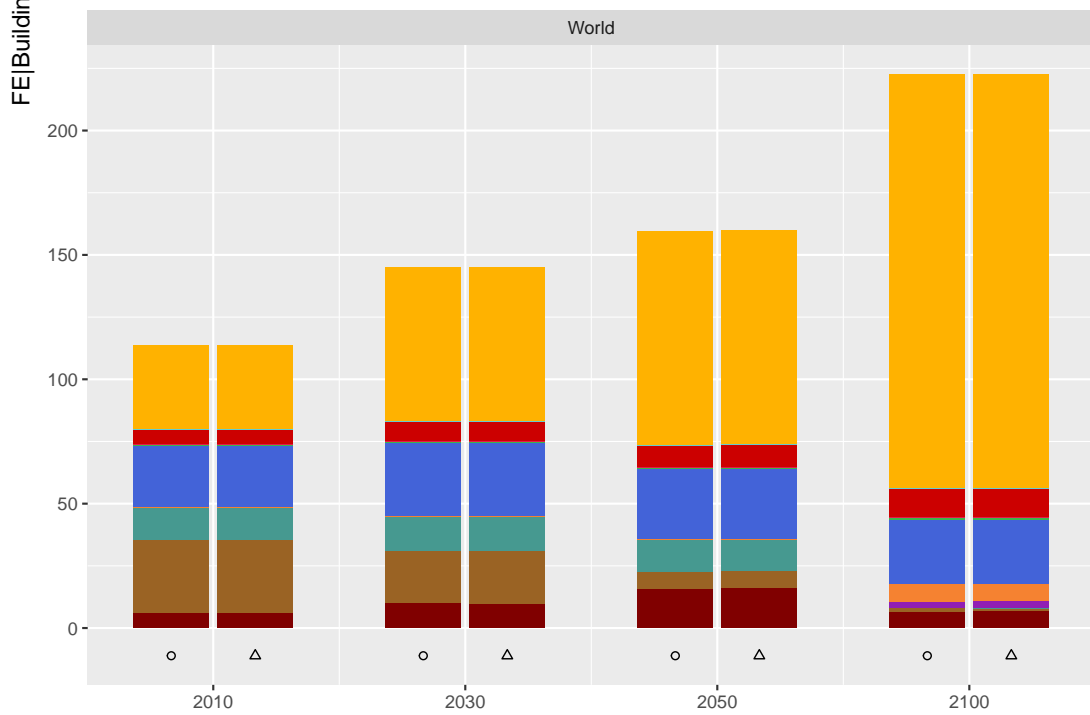
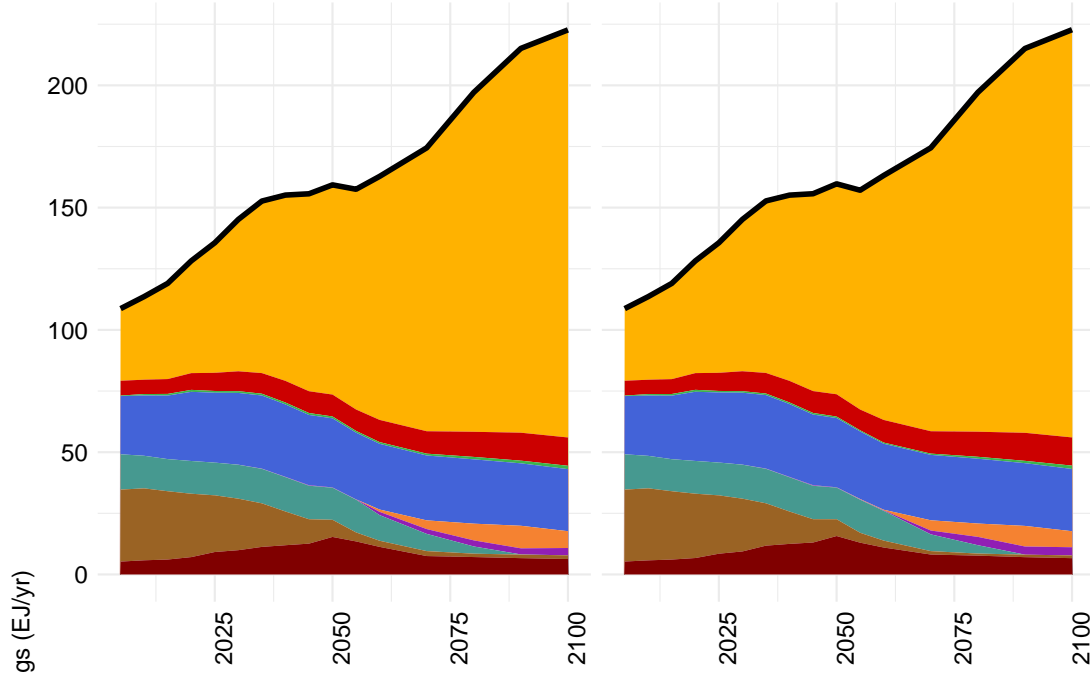
Solids
 Gases
 Hydrogen
 Liquids
 Heat
 Electricity

SSP2EU-NPi-calibrate
 SSP2EU-NPi-calibrate-ETPfix

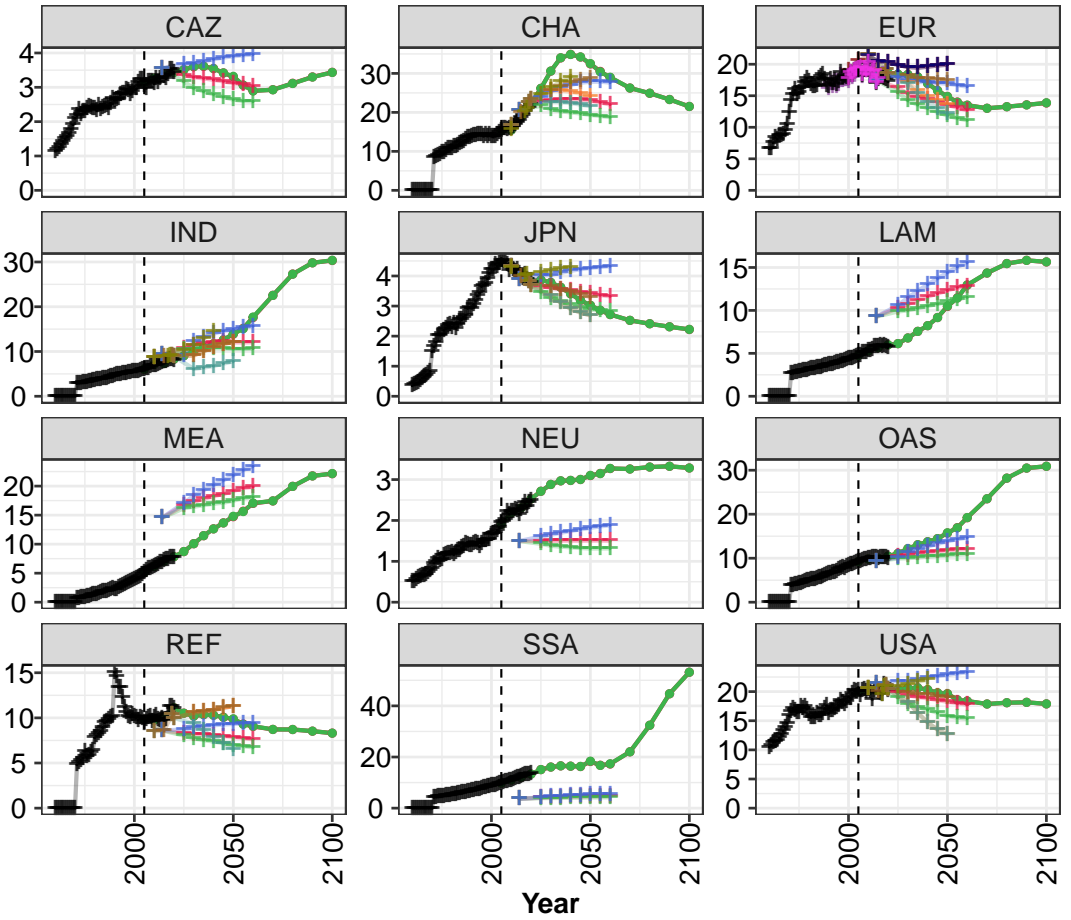
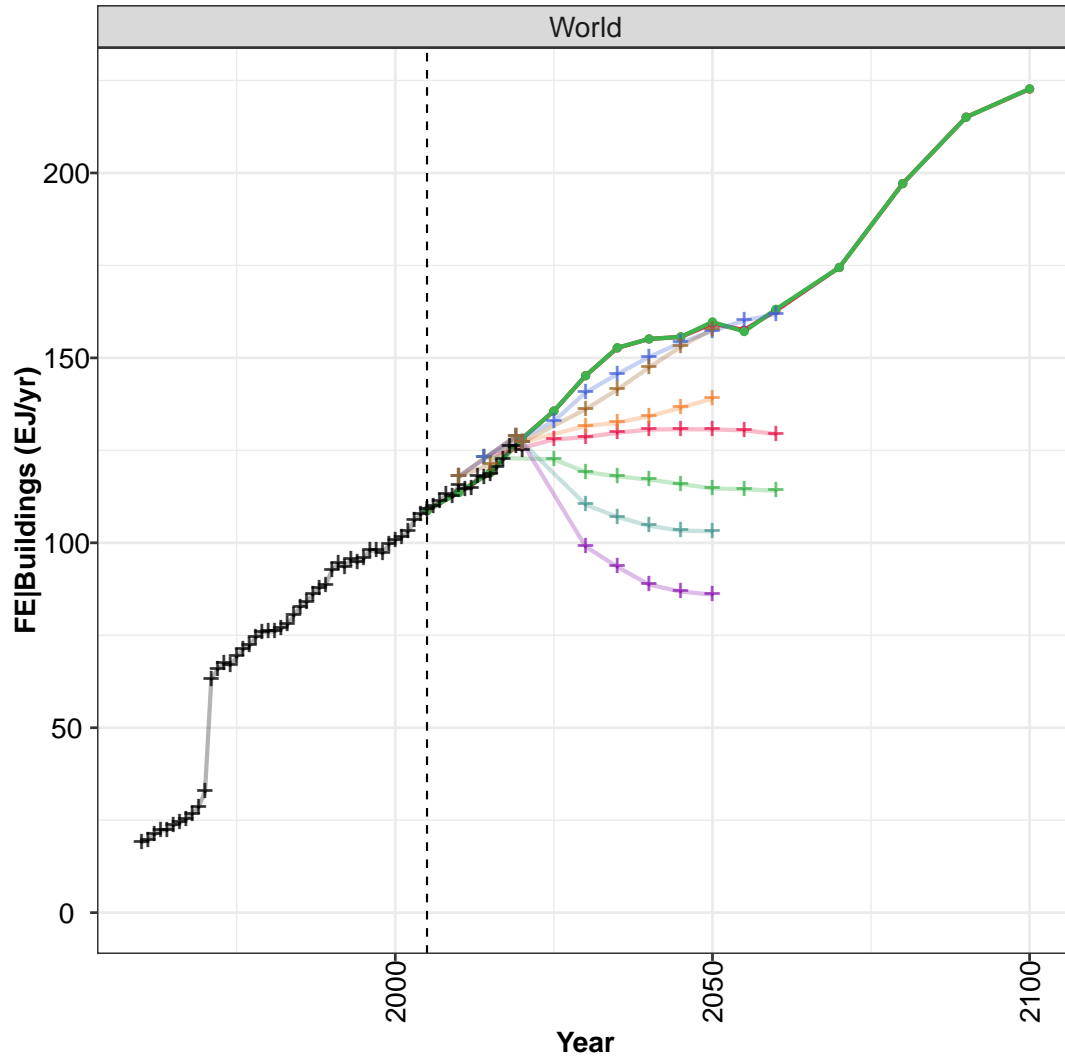


SSP2EU-NPi-calibrate

SSP2EU-NPi-calibrate-ETPfix



5.2.1.2 FE Buildings Line Plots



Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

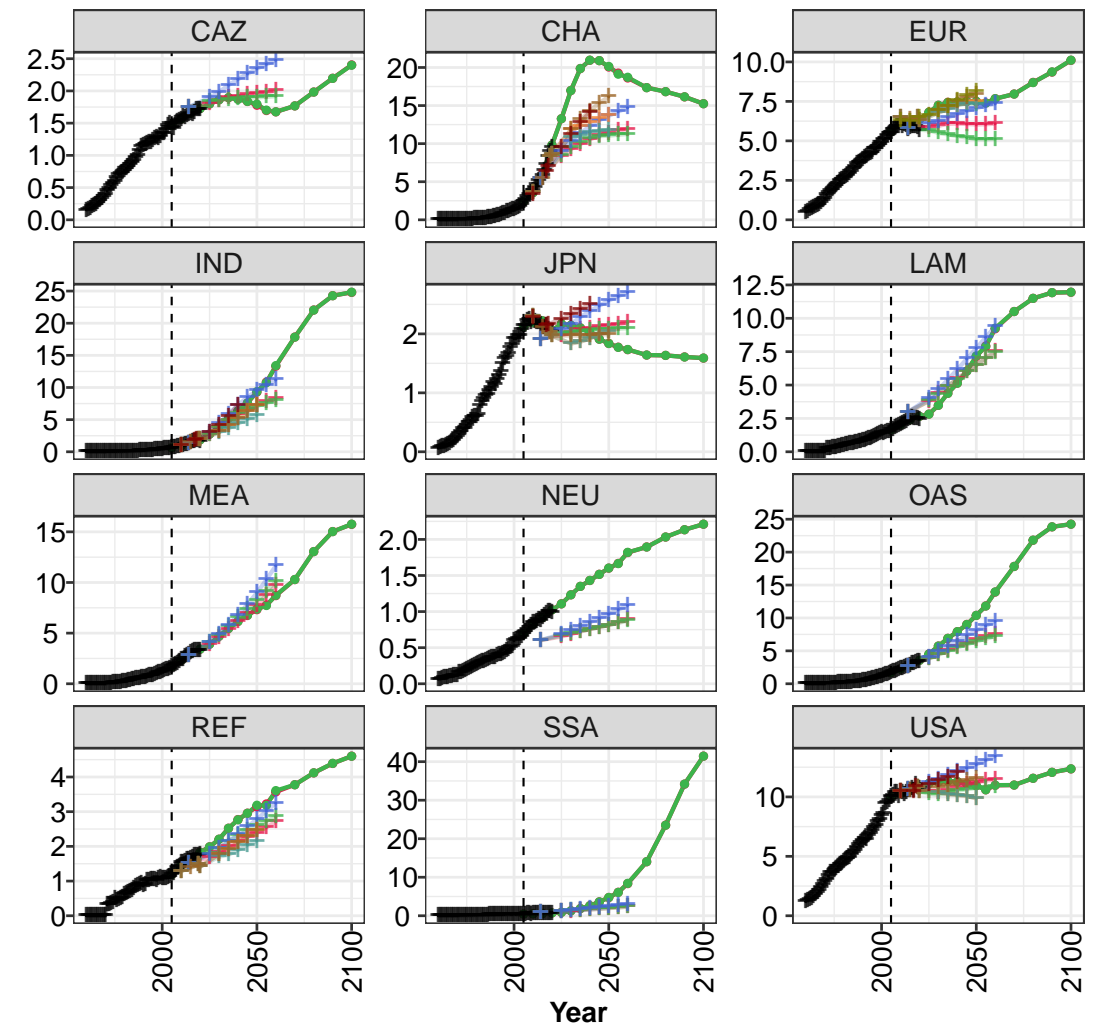
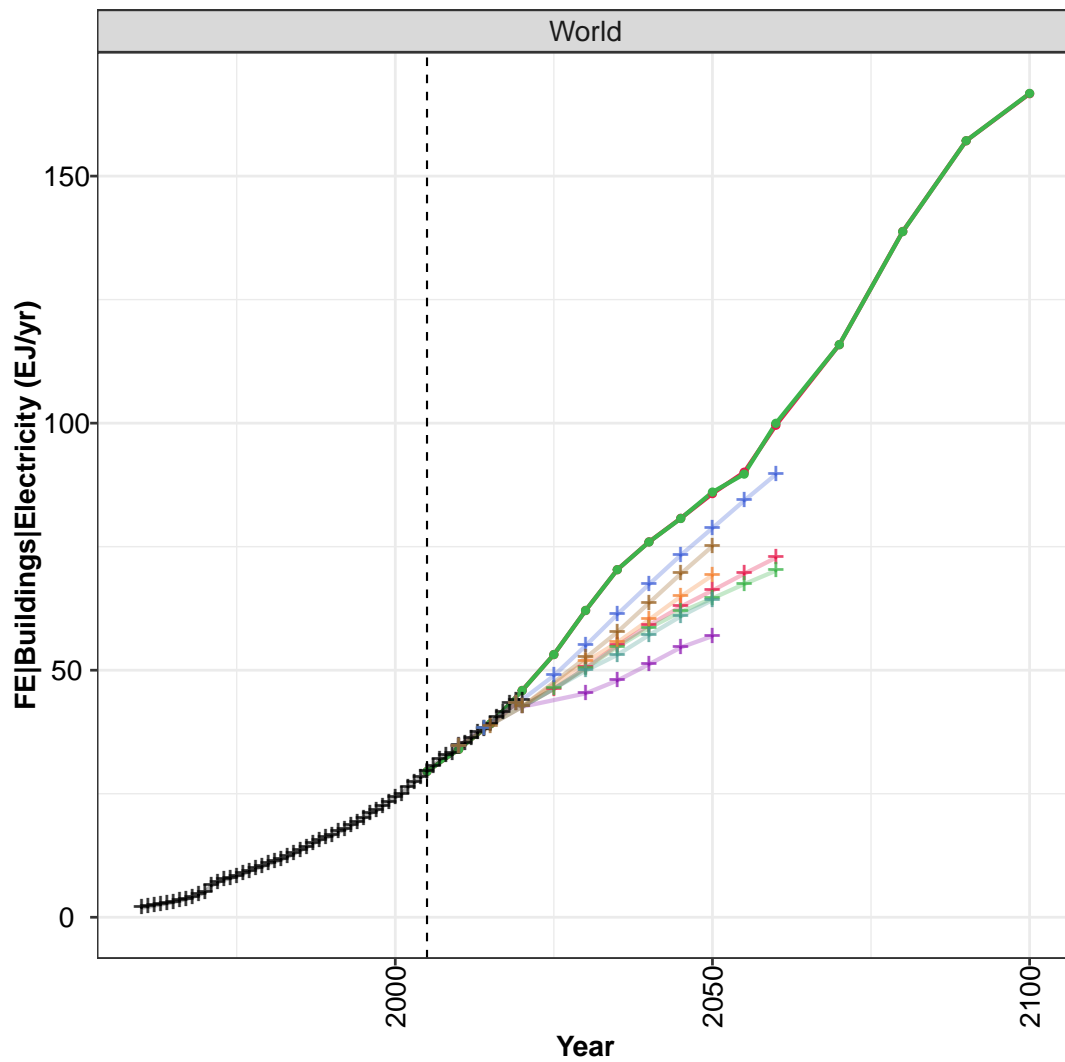
- + IEA
- + IEA ETP 2DS
- + IEA ETP B2DS
- + IEA ETP RTS
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS

Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + EU_ReferenceScenario_2016
- + Eurostat
- + IEA
- + IEA ETP 2DS
- + IEA ETP B2DS
- + IEA ETP RTS
- + IEA WEO 2021 APS
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS
- + IEA_WEO
- + INNOPATHS
- + JRC



Model: REMIND

- + SSP2EU-NPi-calibrate
- + SSP2EU-NPi-calibrate-ETPfix

Historical data

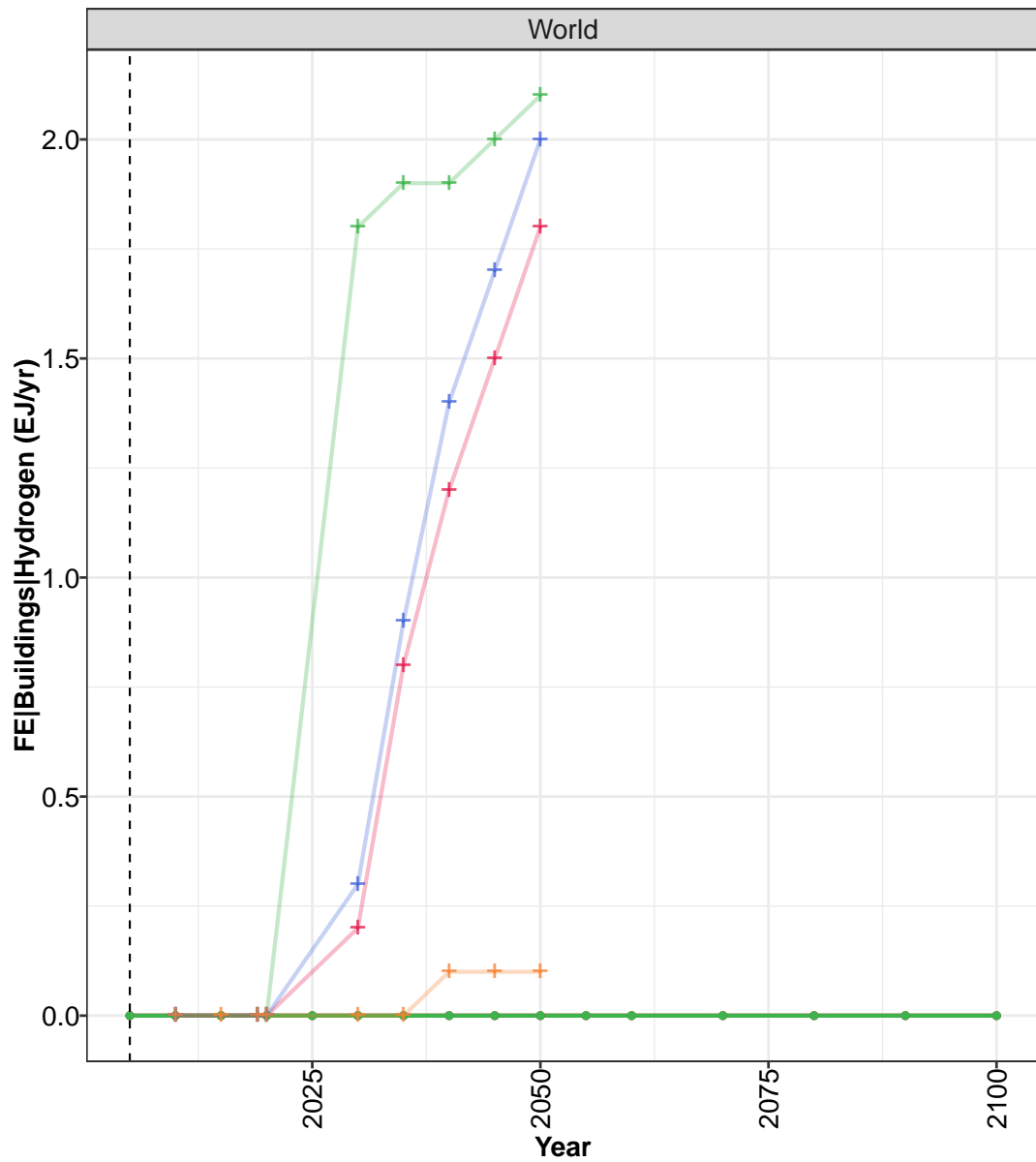
- + IEA
- + IEA ETP 2DS
- + IEA ETP B2DS
- + IEA ETP RTS
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS

Model: REMIND

- + SSP2EU-NPi-calibrate
- + SSP2EU-NPi-calibrate-ETPfix

Historical data

- + IEA
- + IEA ETP 2DS
- + IEA ETP B2DS
- + IEA ETP RTS
- + IEA WEO 2021 APS
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS
- + IEA_WEO
- + INNOPATHS

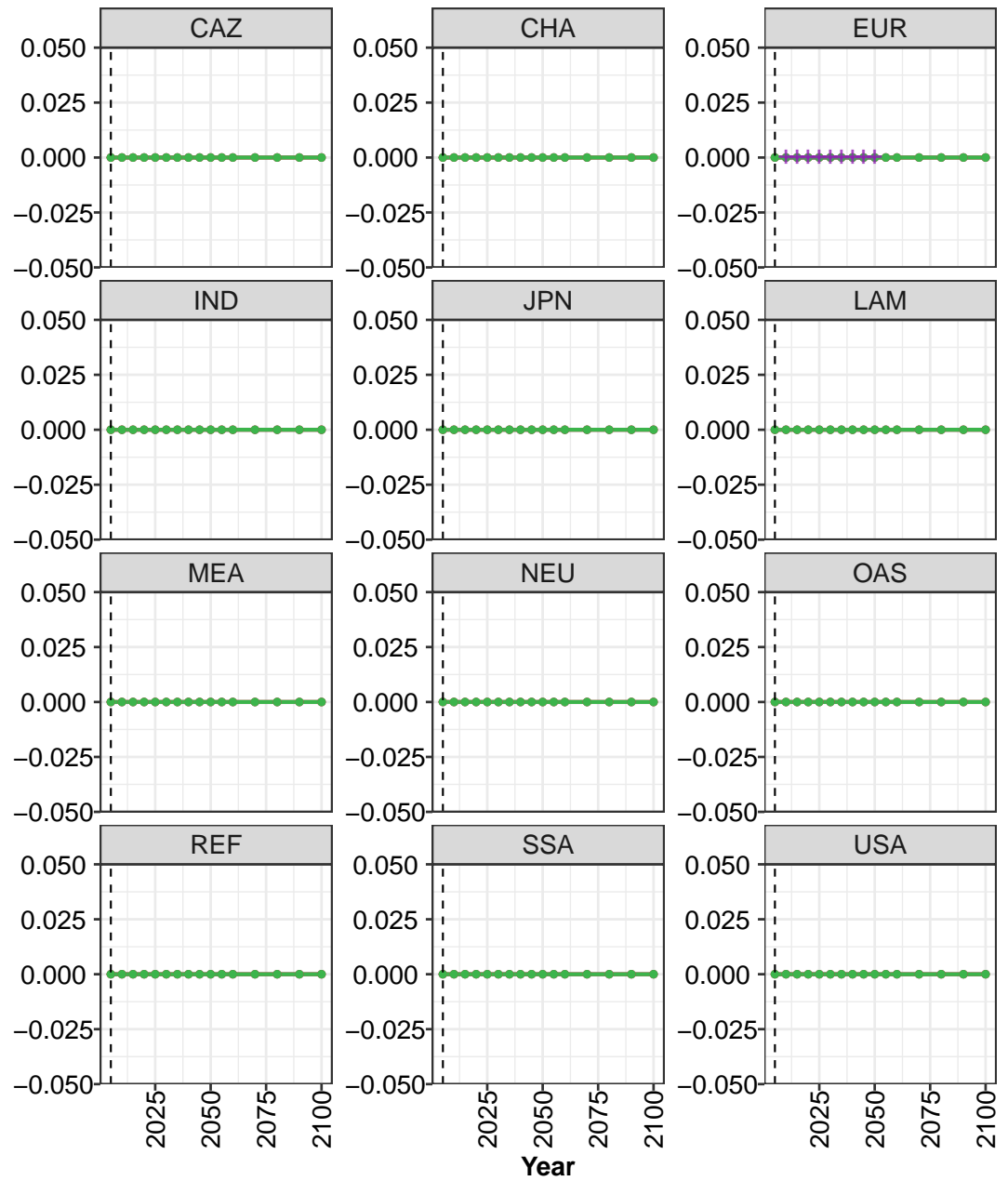


Model: REMIND

- +— SSP2EU-NPi-calibrate
- +— SSP2EU-NPi-calibrate-ETPfix

Historical data

- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS

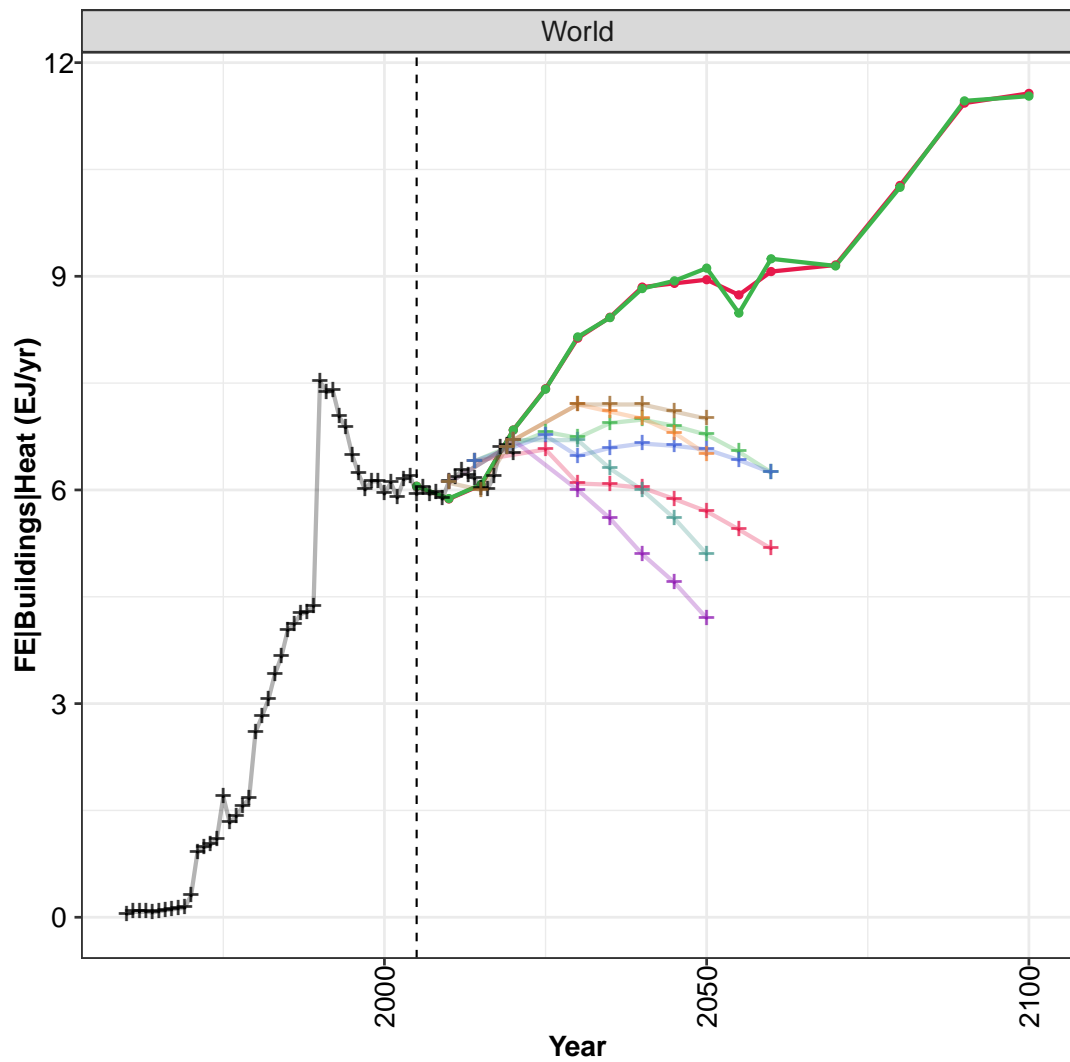


Model: REMIND

- +— SSP2EU-NPi-calibrate
- +— SSP2EU-NPi-calibrate-ETPfix

Historical data

- + INNOPATHS

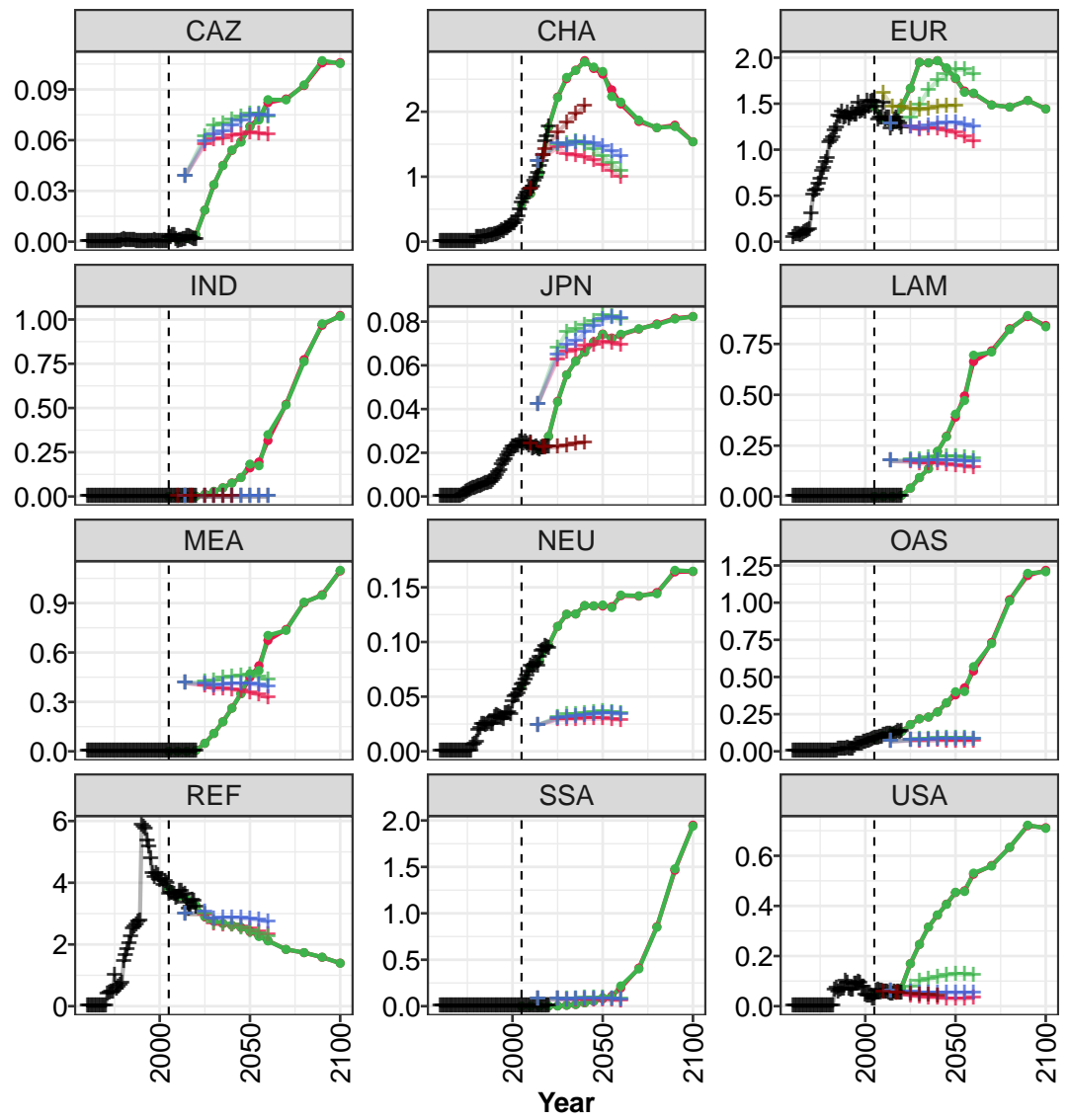


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + IEA
- + IEA ETP 2DS
- + IEA ETP B2DS
- + IEA ETP RTS
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS

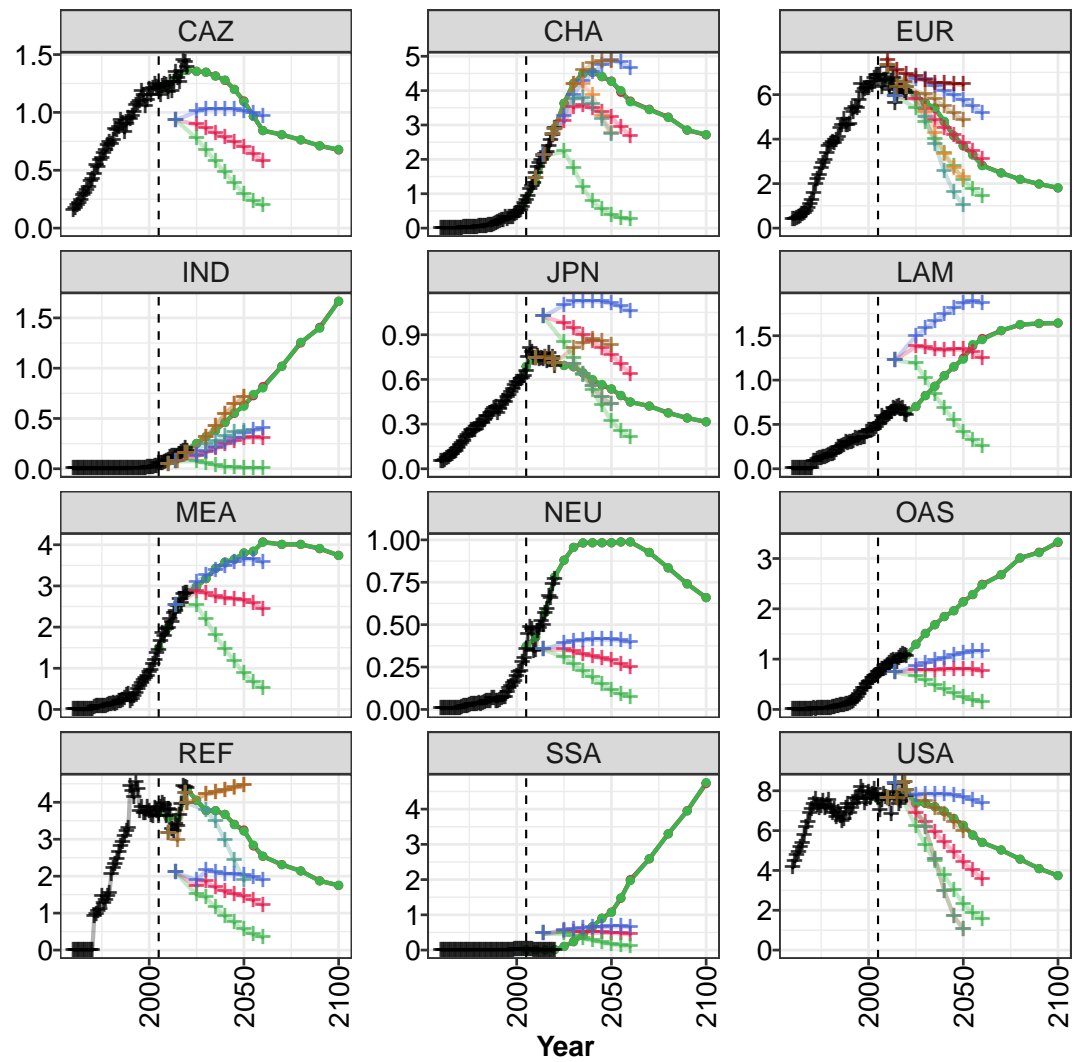
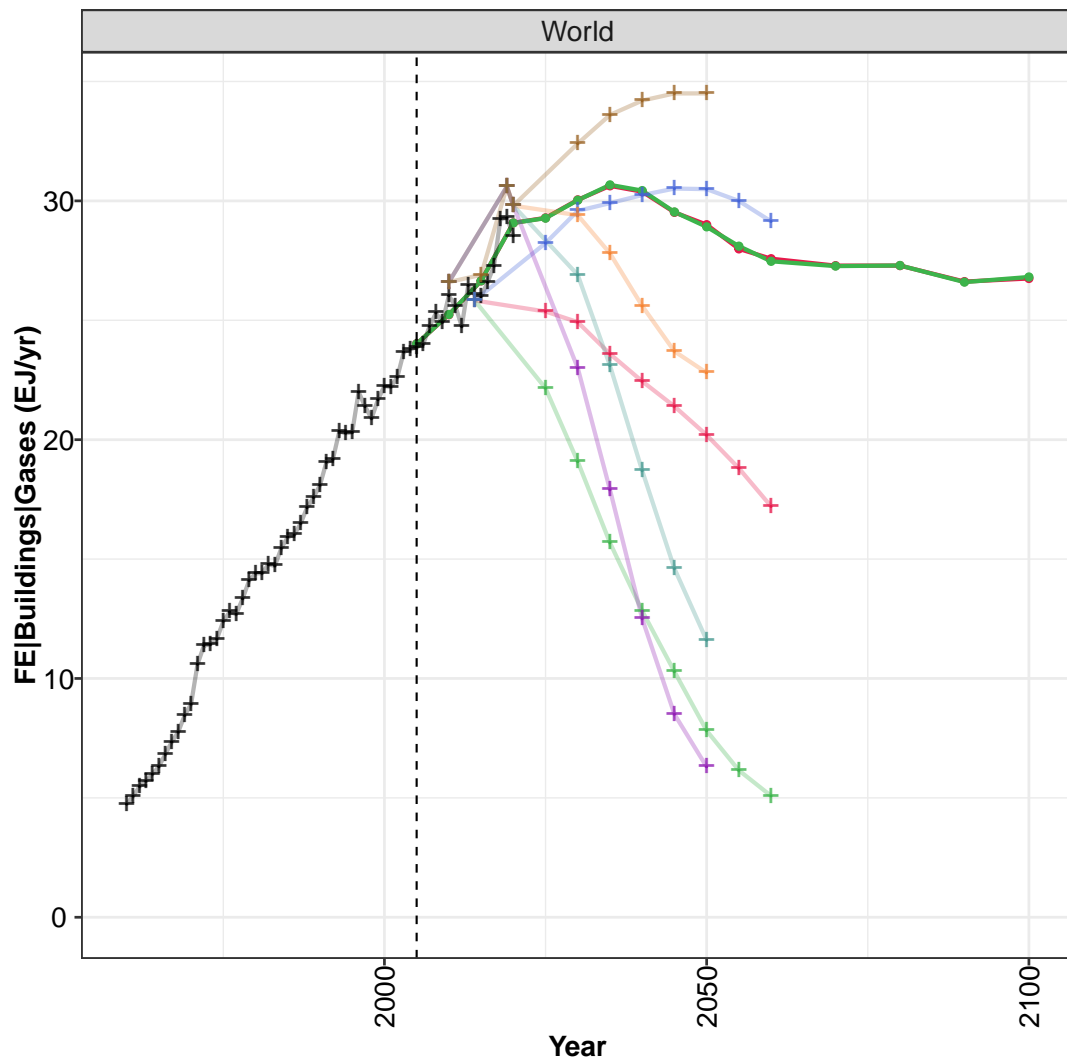


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + IEA
- + IEA ETP 2DS
- + IEA ETP B2DS
- + IEA ETP RTS
- + IEA_WEO
- + INNOPATHS



Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

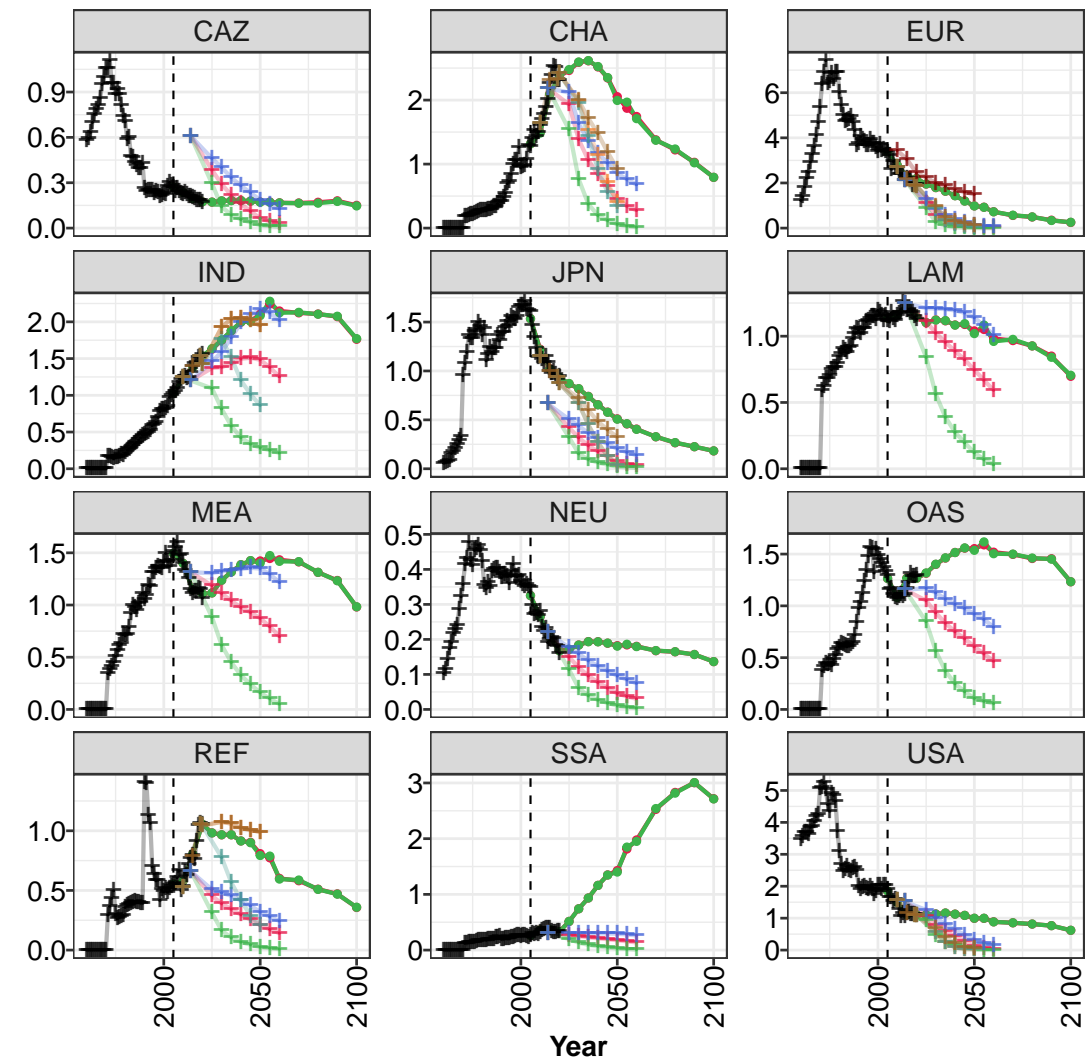
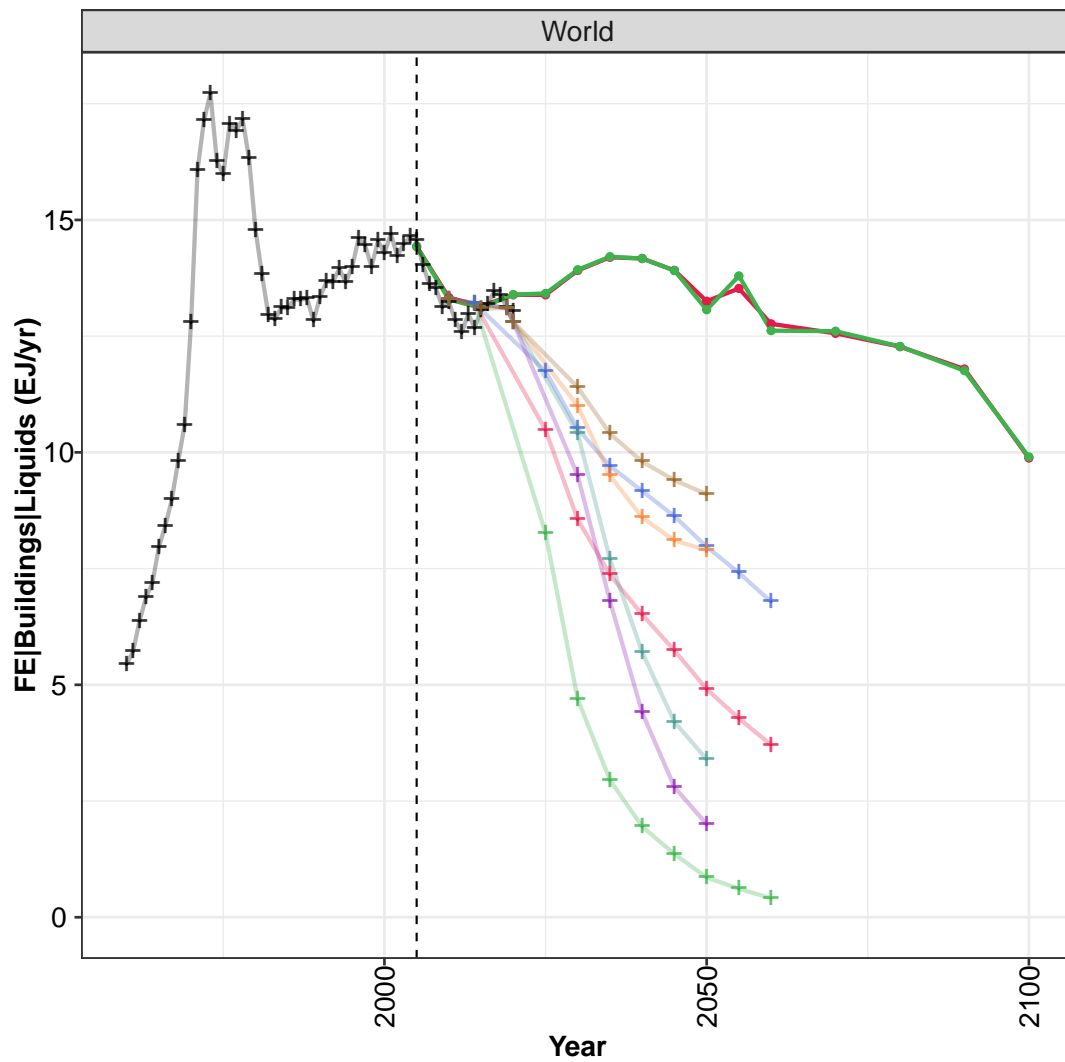
- + IEA
- + IEA ETP 2DS
- + IEA ETP B2DS
- + IEA ETP RTS
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS

Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + IEA
- + IEA ETP 2DS
- + IEA ETP B2DS
- + IEA ETP RTS
- + IEA WEO 2021 APS
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS
- + INNOPATHS



Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

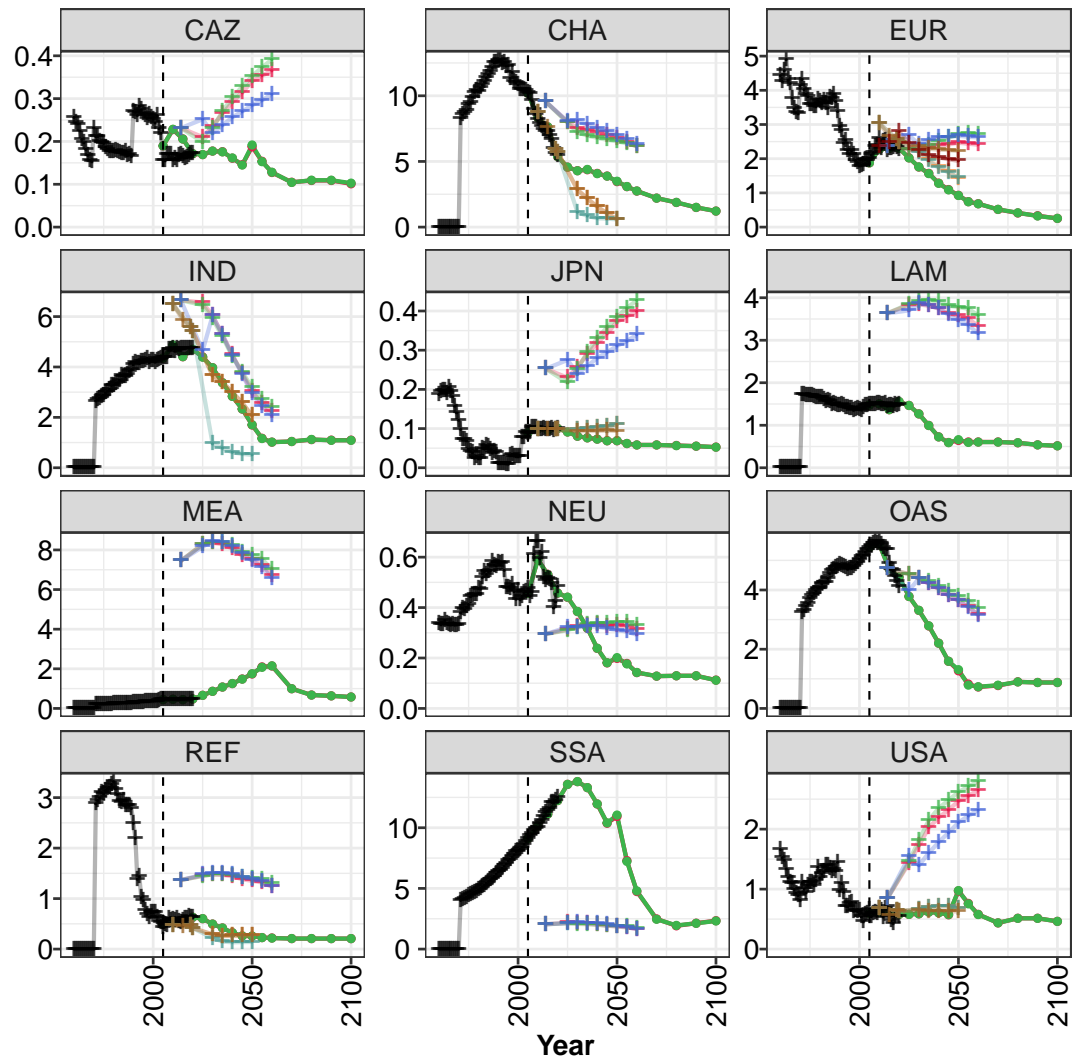
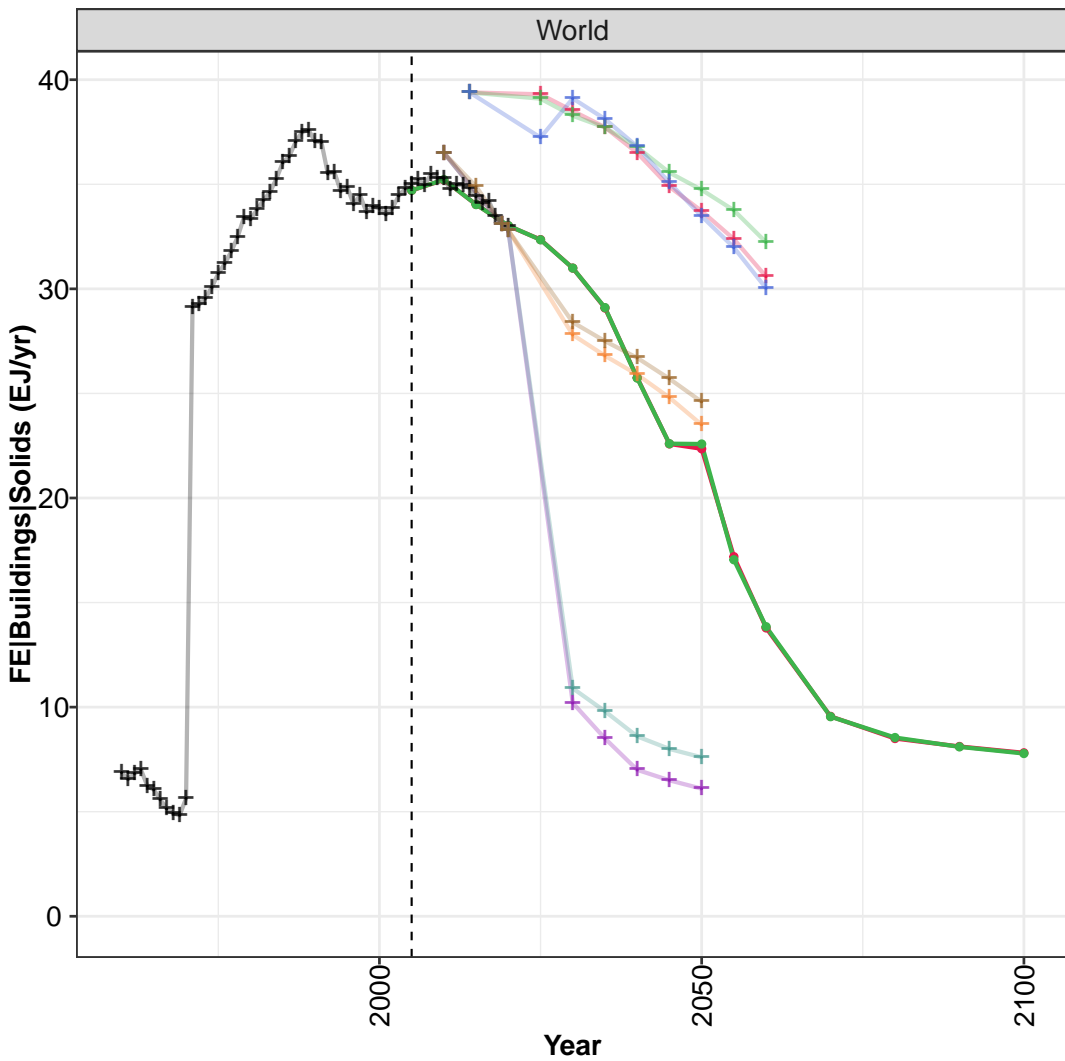
- + IEA
- + IEA ETP 2DS
- + IEA ETP B2DS
- + IEA ETP RTS
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS

Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + IEA
- + IEA ETP 2DS
- + IEA ETP B2DS
- + IEA ETP RTS
- + IEA WEO 2021 APS
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS
- + INNOPATHS



Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + IEA
- + IEA ETP 2DS
- + IEA ETP B2DS
- + IEA ETP RTS
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS

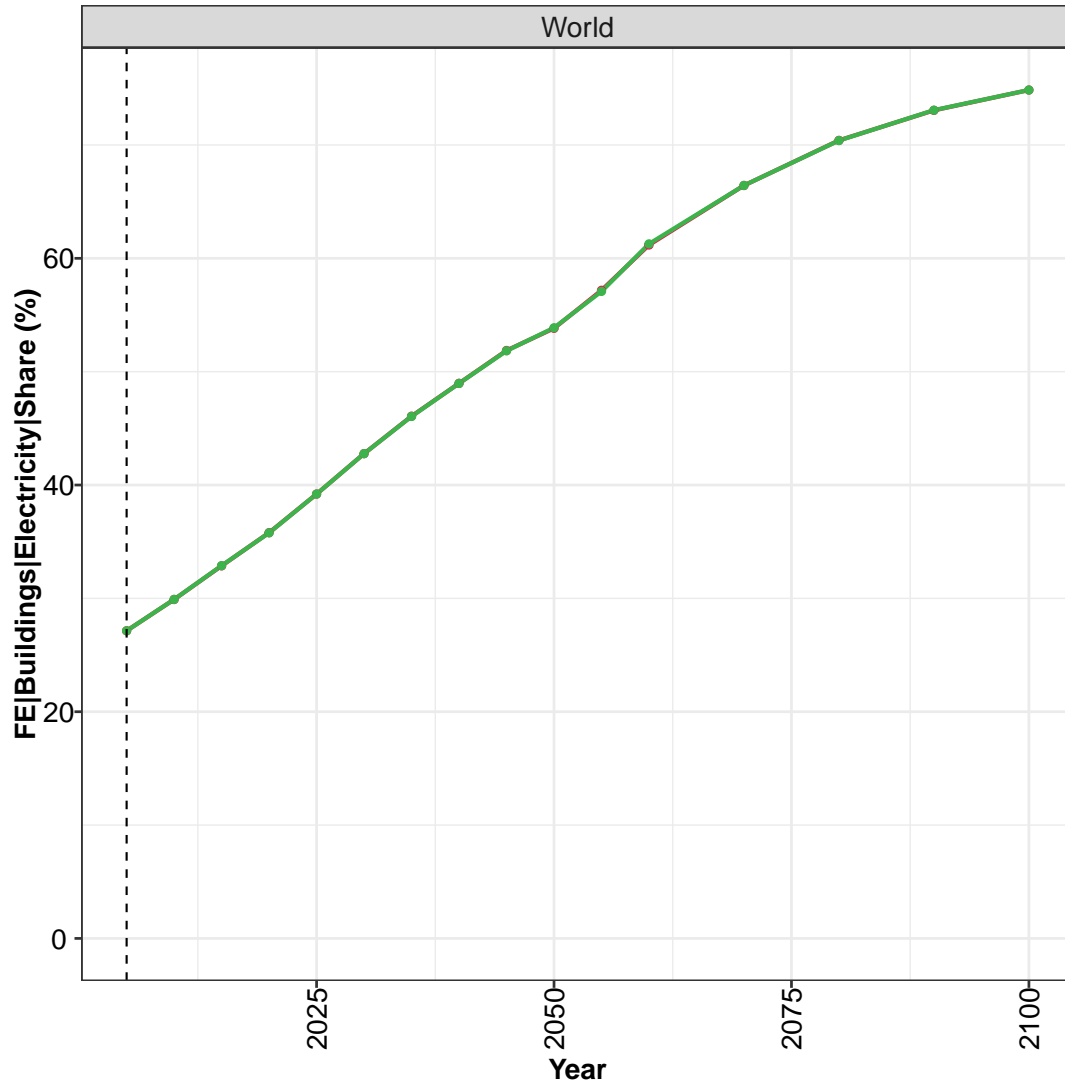
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

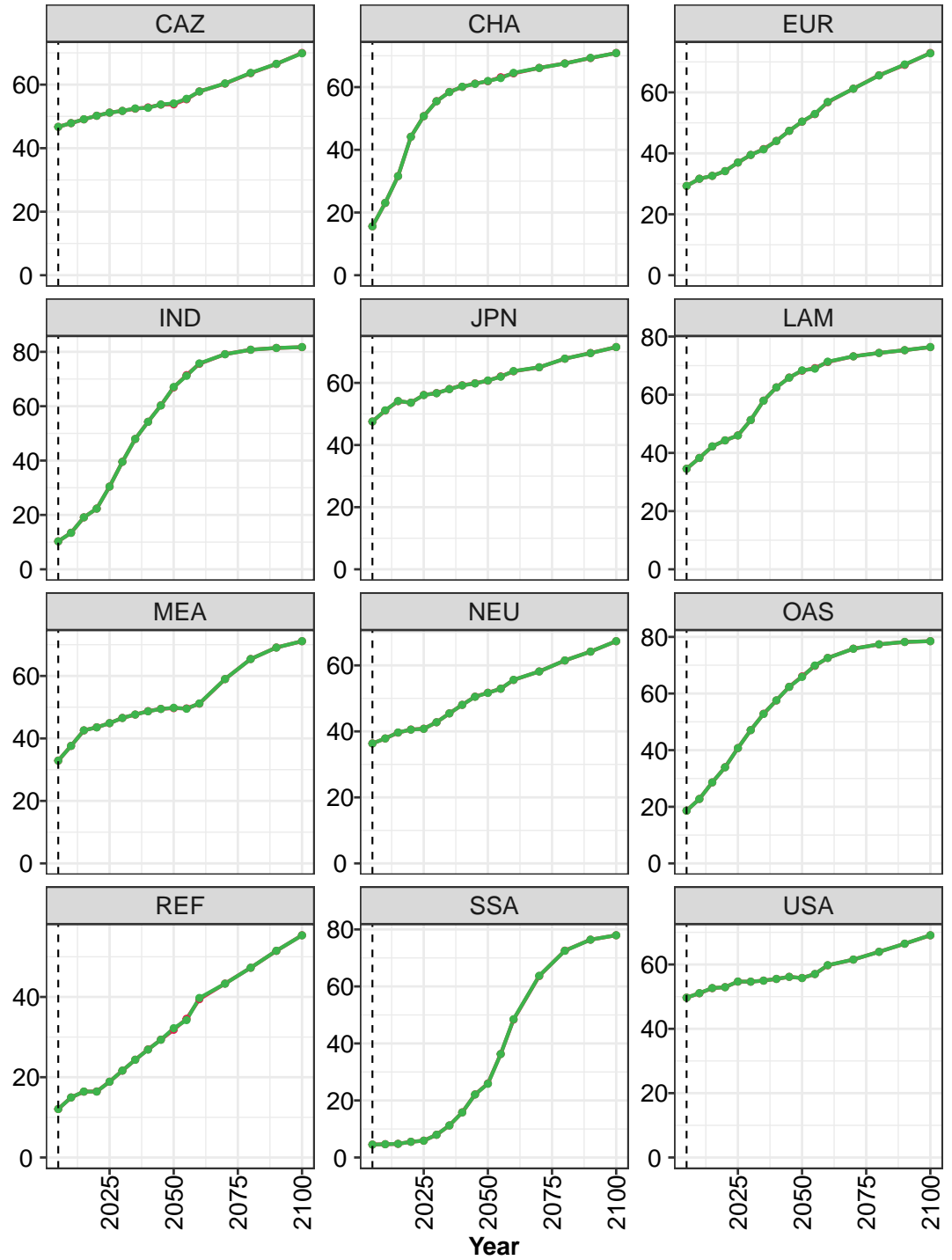
- + IEA
- + IEA ETP 2DS
- + IEA ETP B2DS
- + IEA ETP RTS
- + IEA WEO 2021 APS
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS
- + INNOPATHS

5.2.1.3 Electricity Share in Buildings Final Energy



Model: REMIND

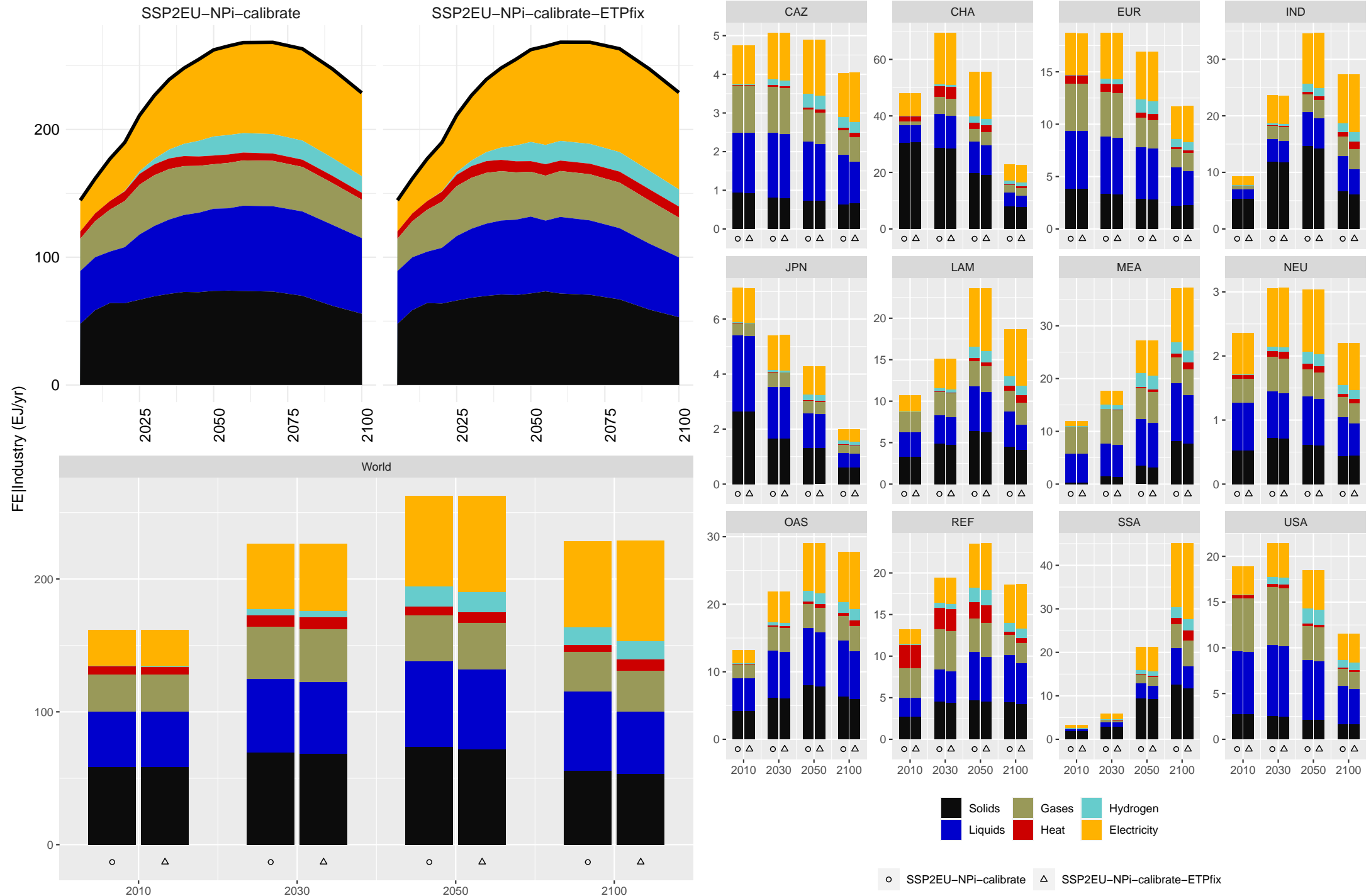
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

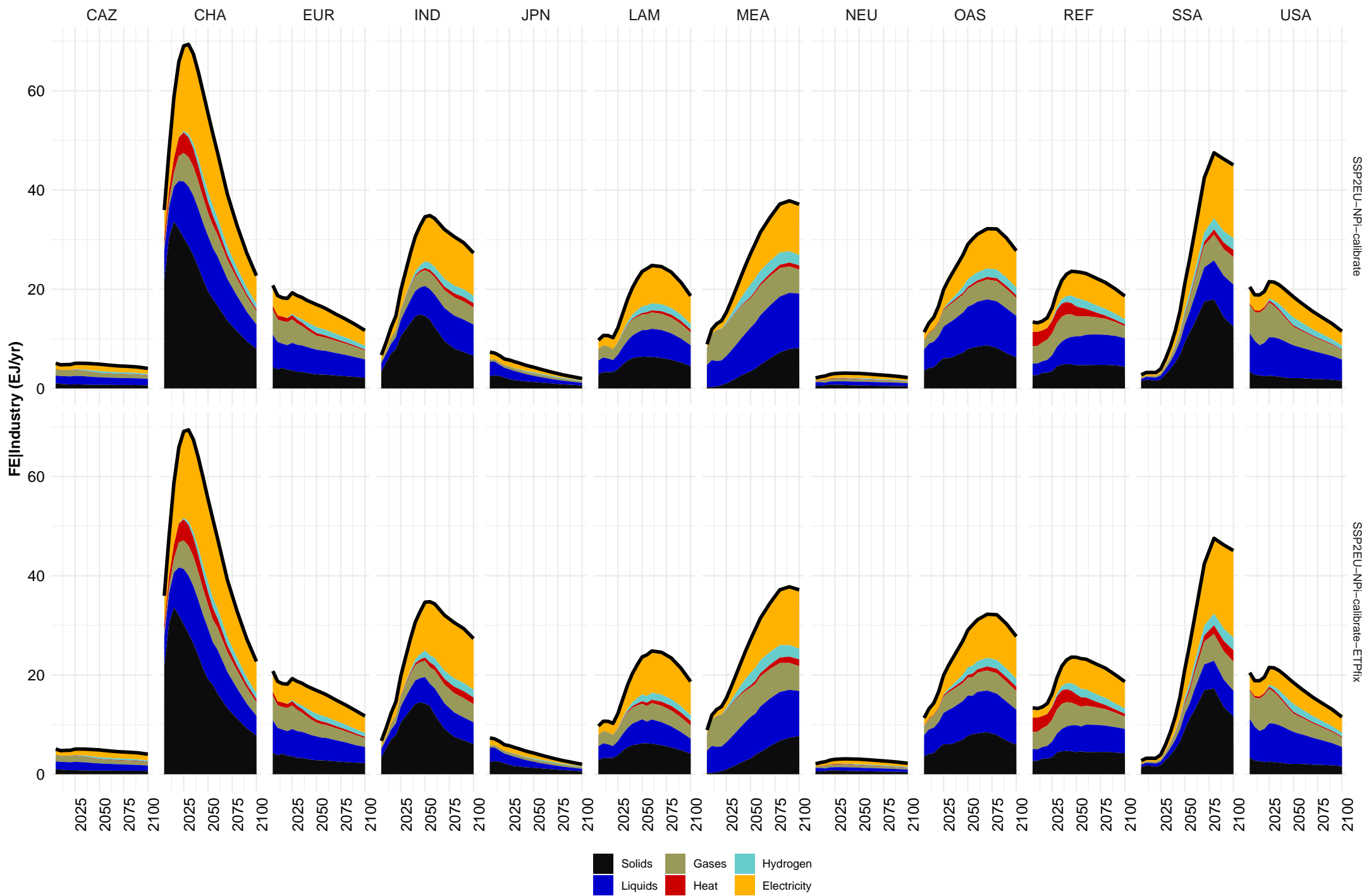


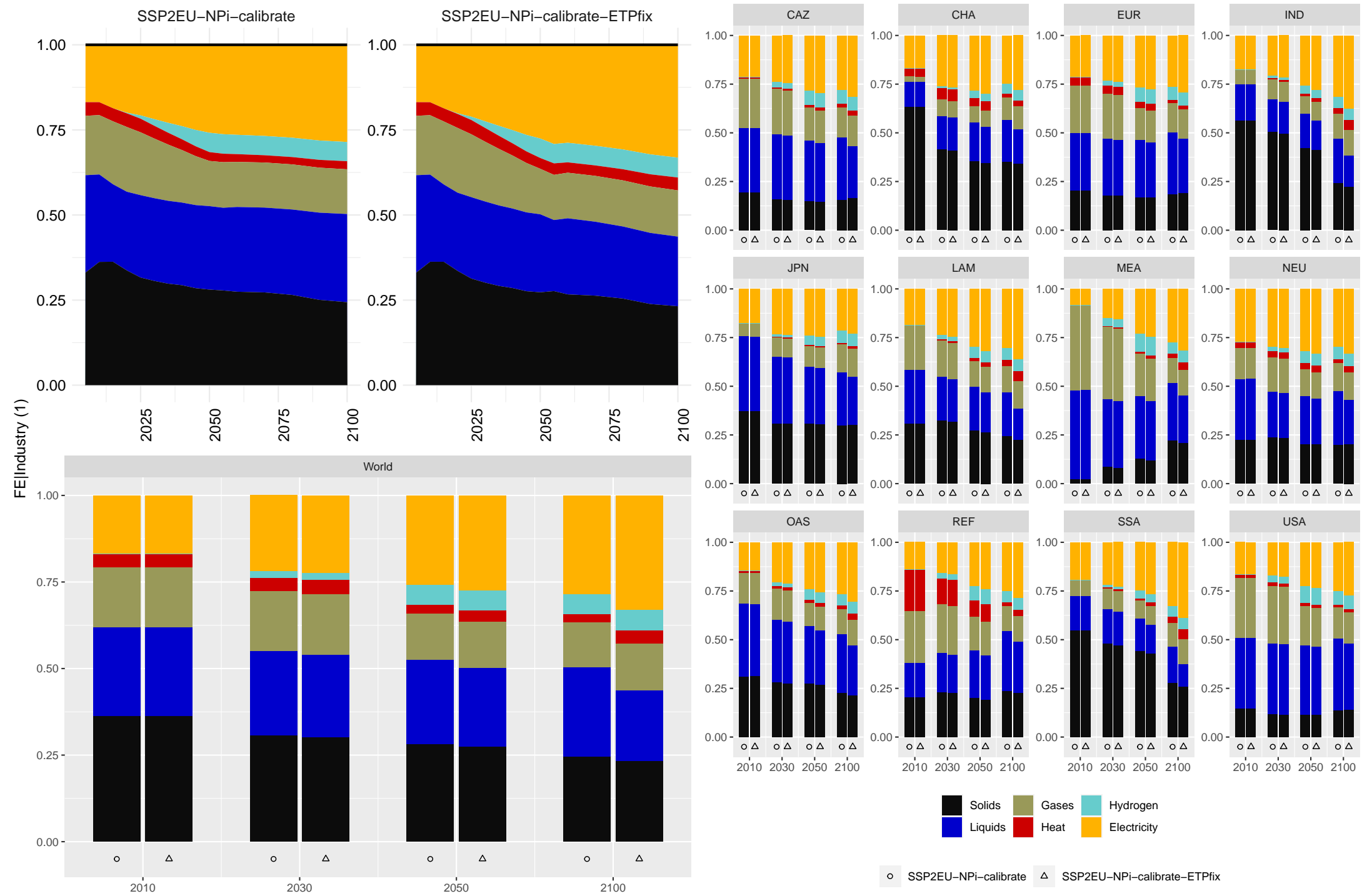
5.3 Industry Final Energy

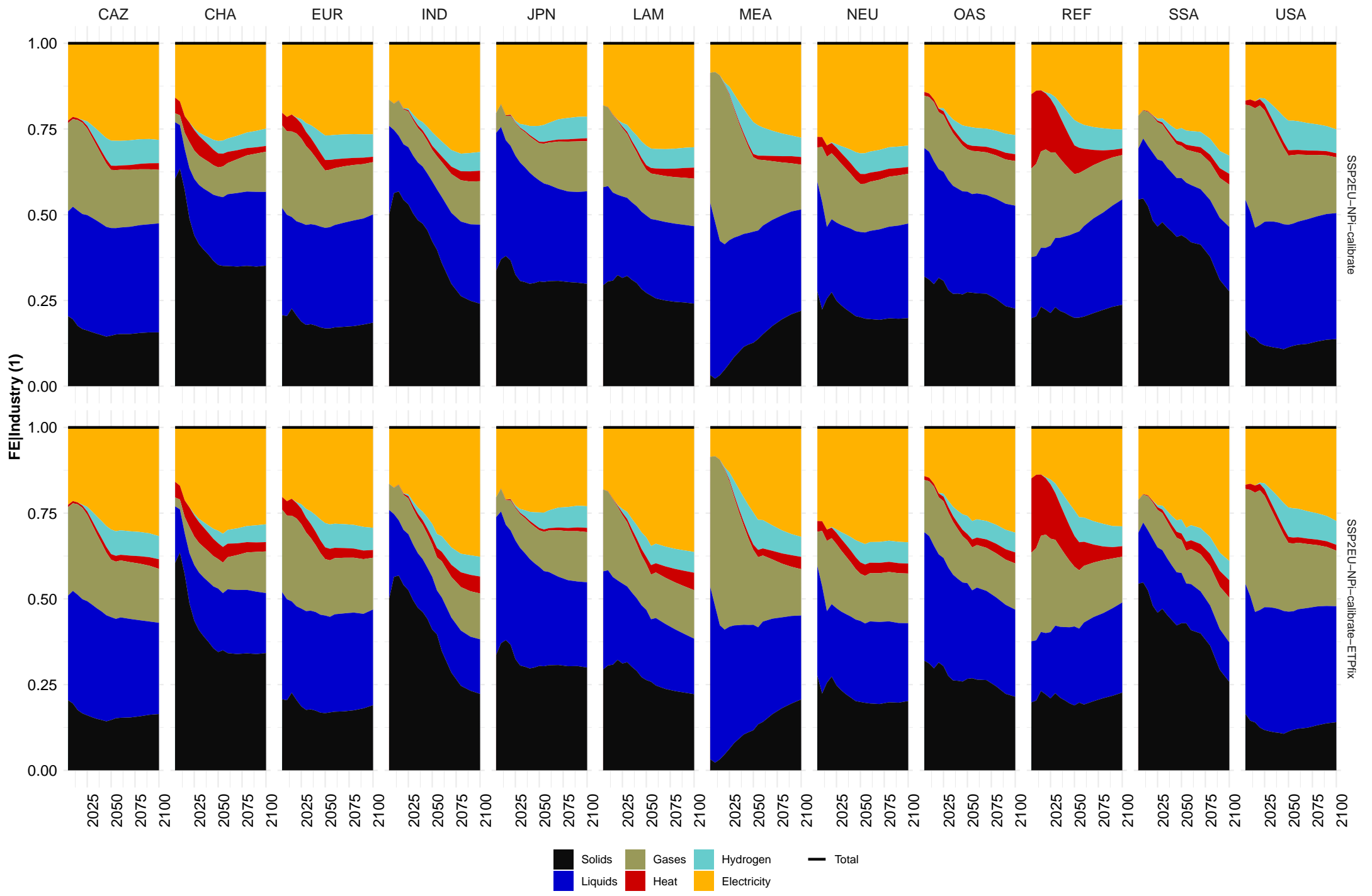
5.3.1 Basics

5.3.1.1 FE Industry Area Plots



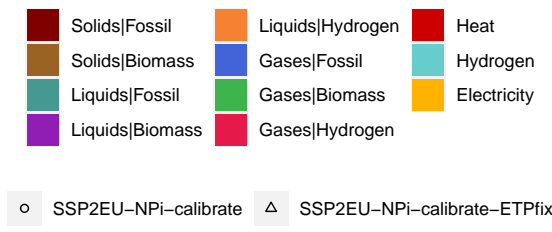
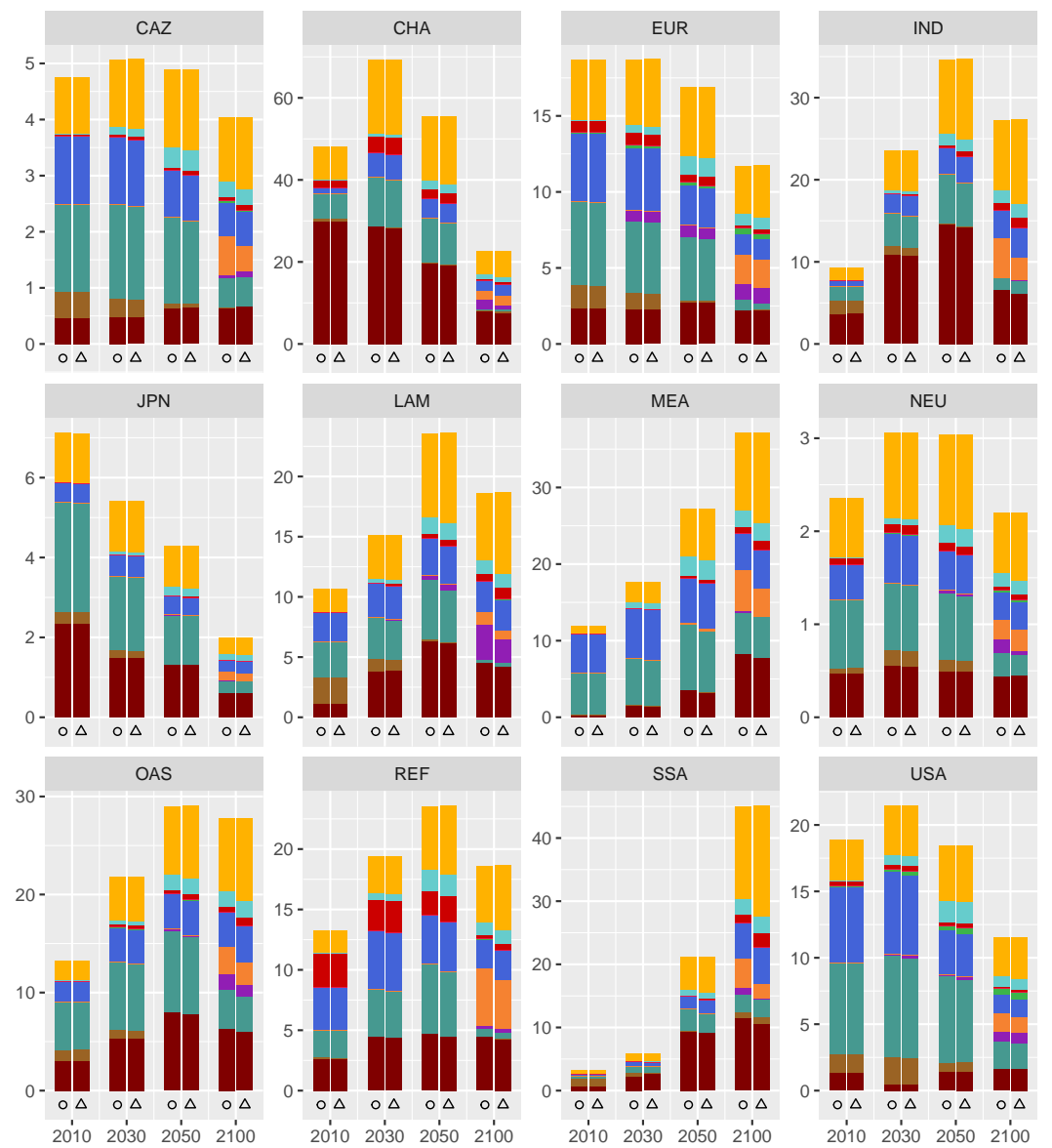
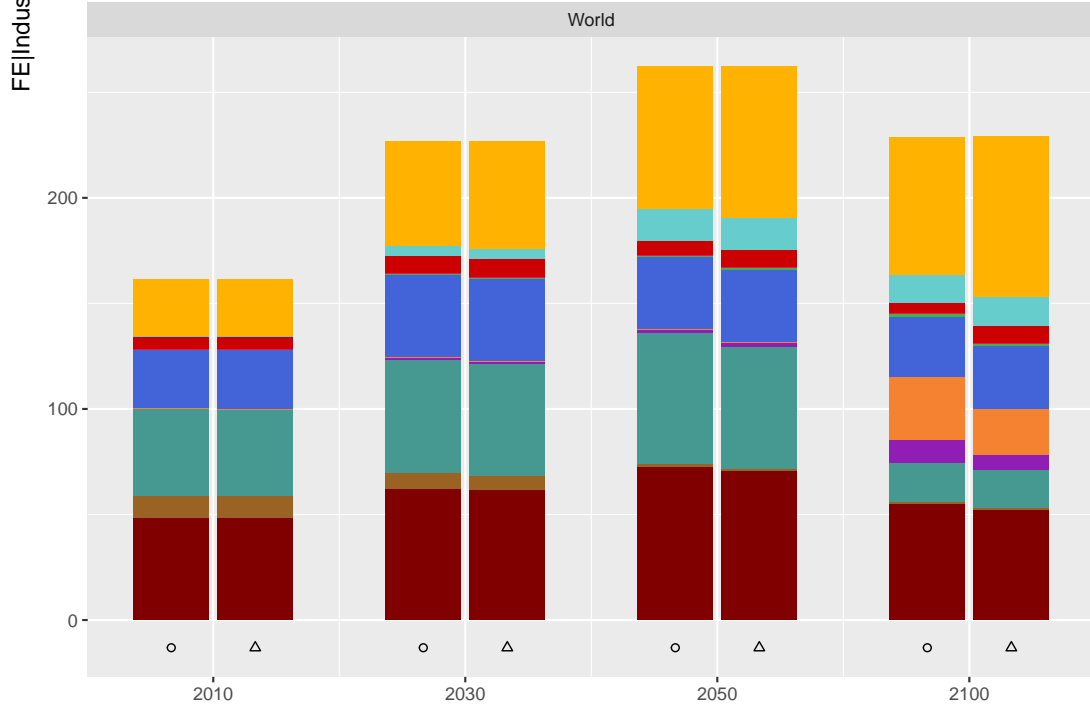
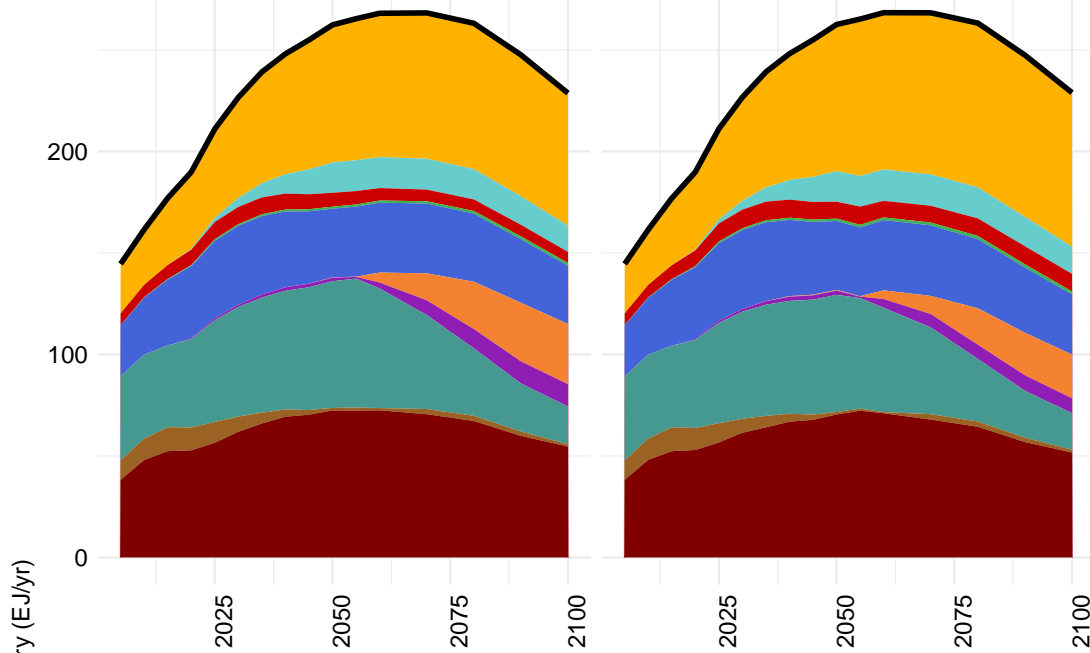


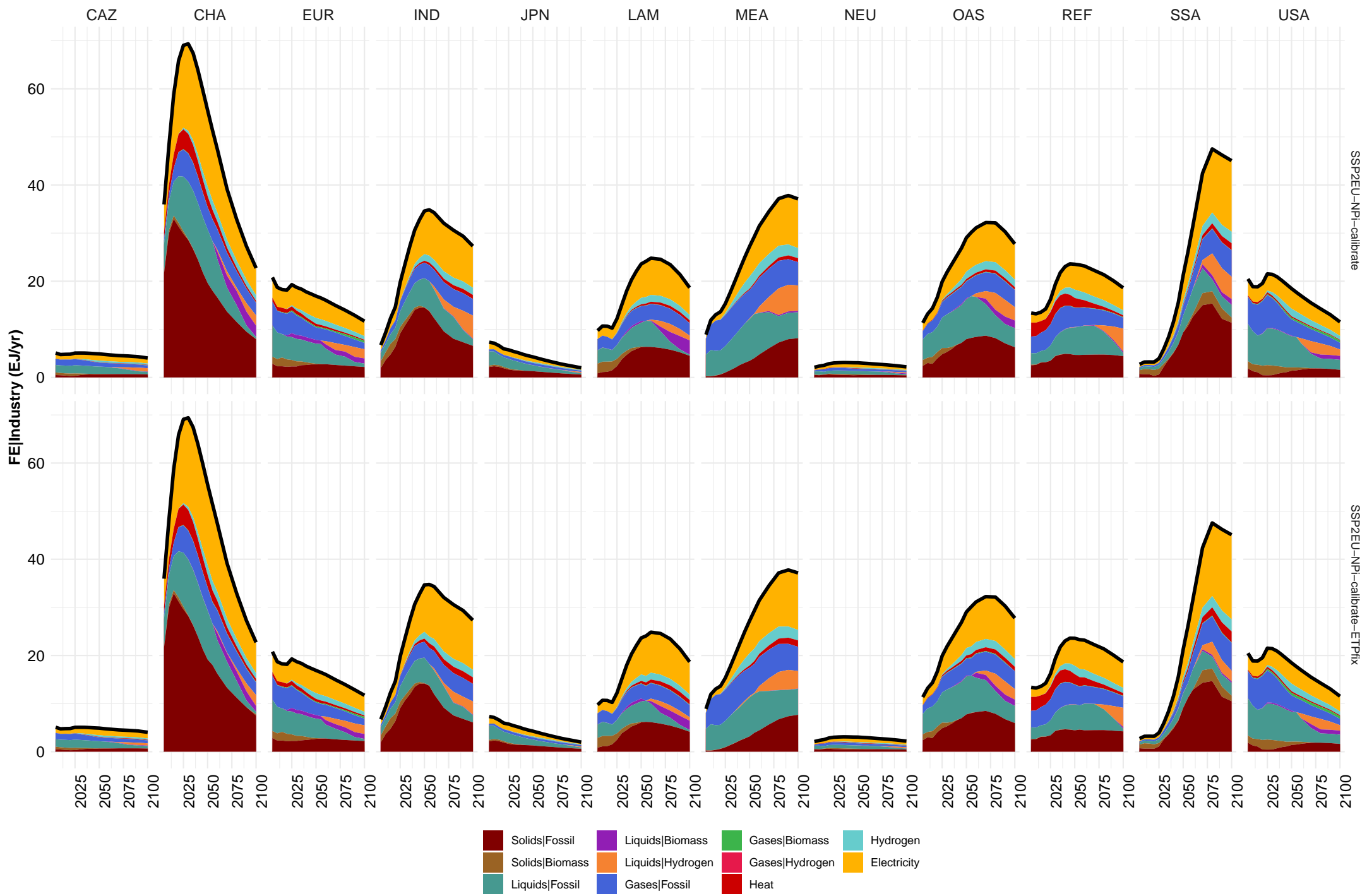




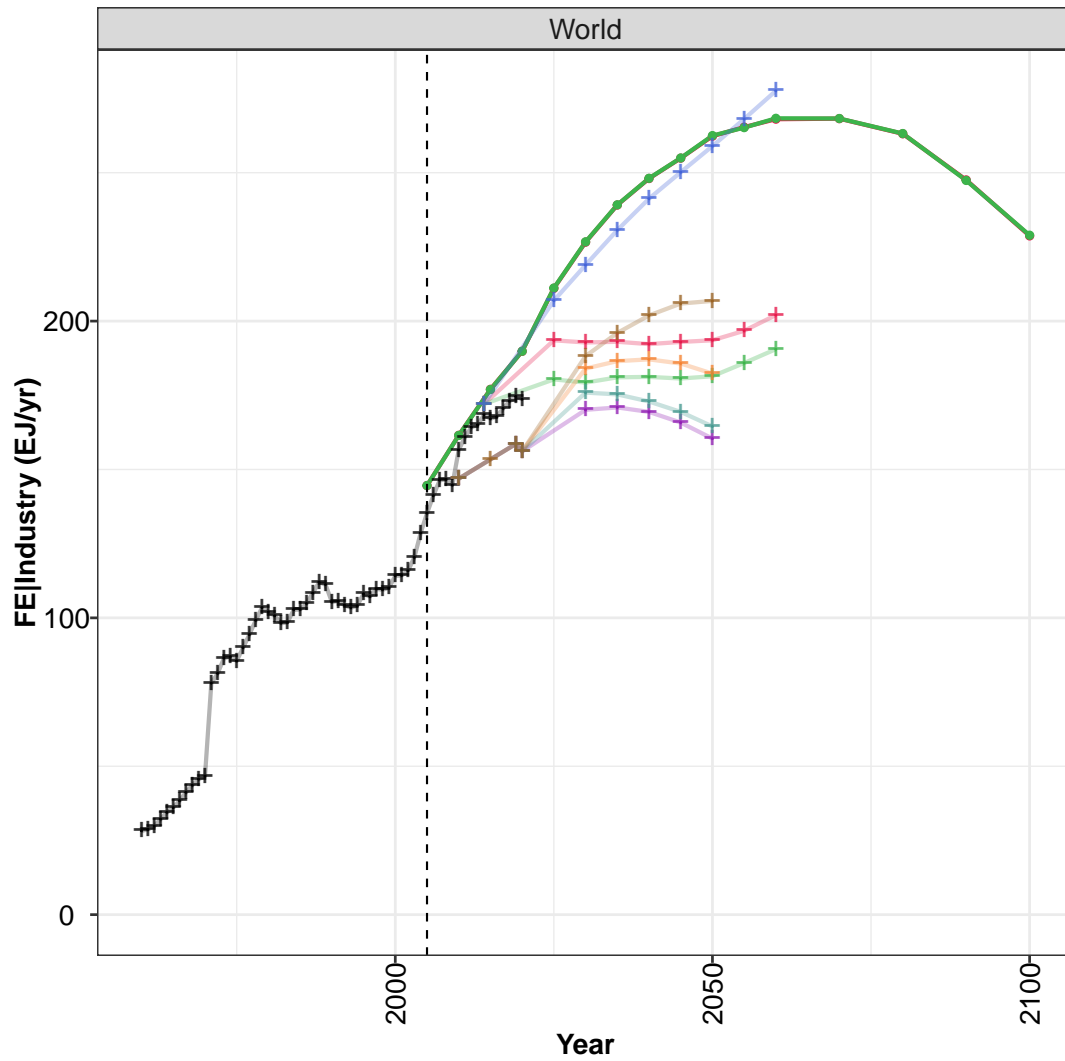
SSP2EU-NPi-calibrate

SSP2EU-NPi-calibrate-ETPfix





5.3.1.2 FE Industry Line Plots

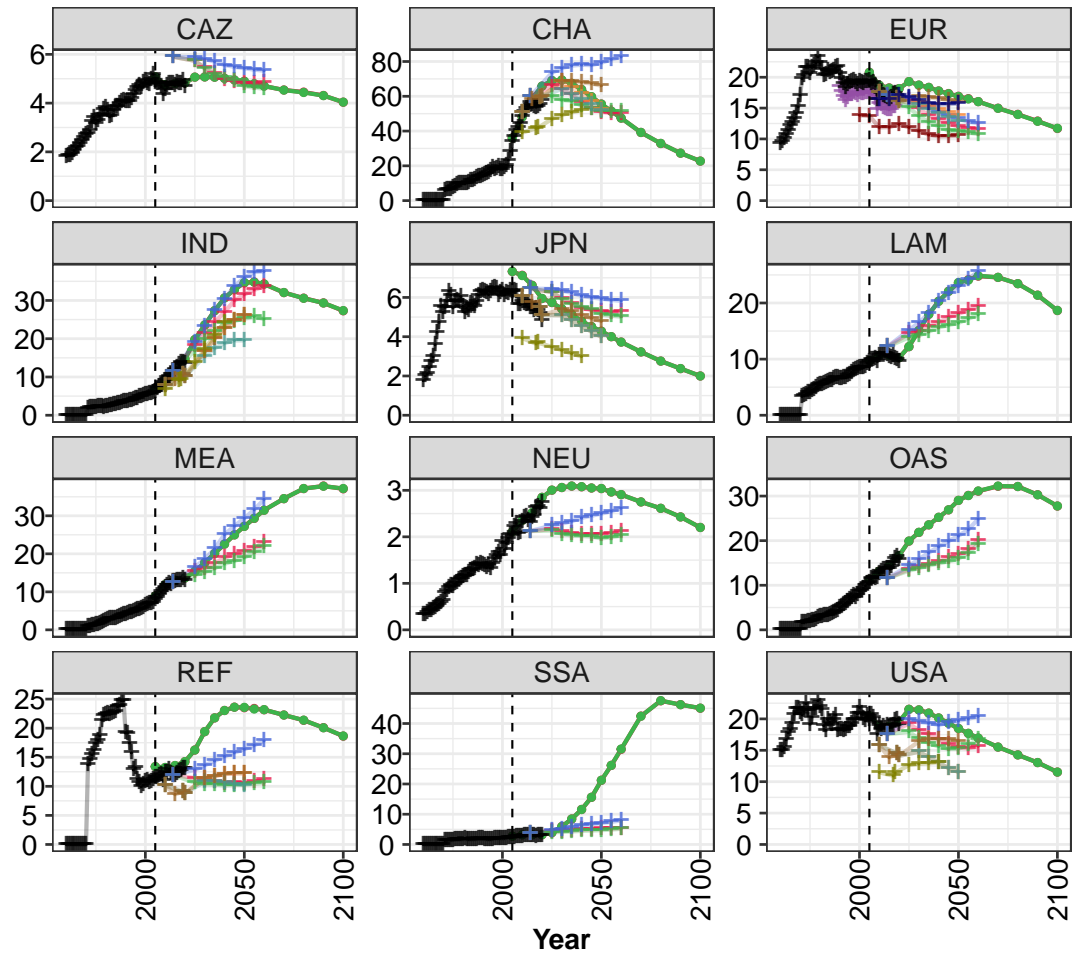


Model: REMIND

- +— SSP2EU-NPi-calibrate
- +— SSP2EU-NPi-calibrate-ETPfix

Historical data

- + IEA
- + IEA ETP 2DS
- + IEA ETP B2DS
- + IEA ETP RTS
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS

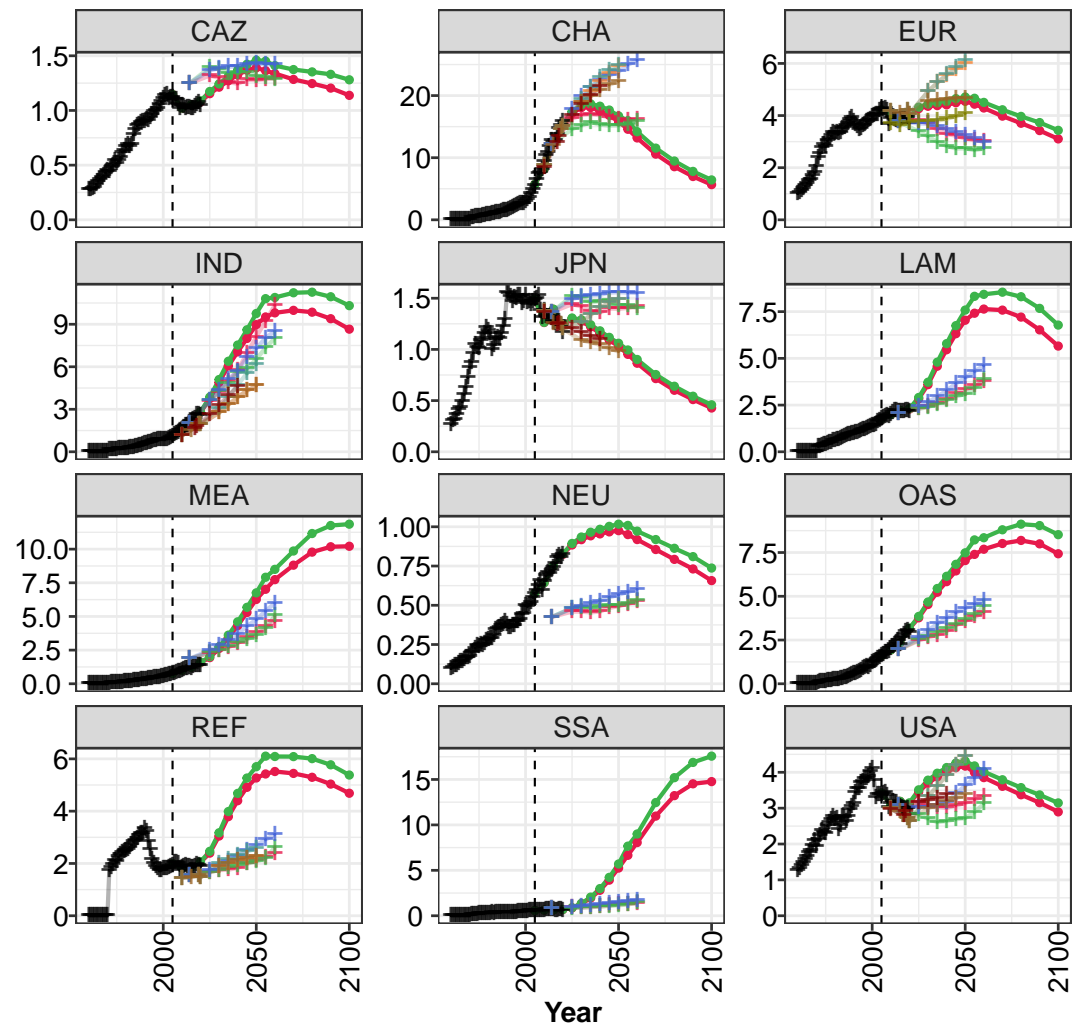
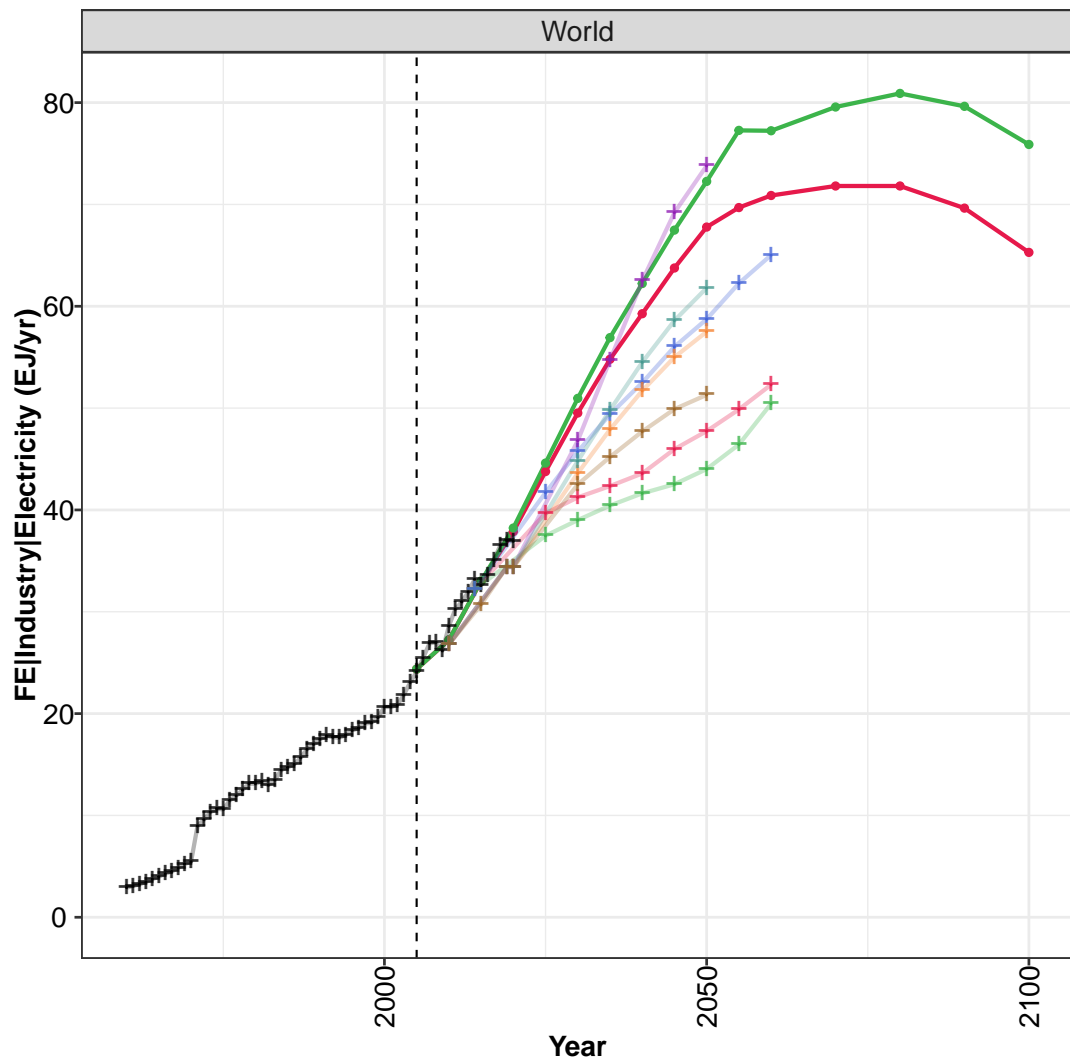


Model: REMIND

- +— SSP2EU-NPi-calibrate
- +— SSP2EU-NPi-calibrate-ETPfix

Historical data

- + EU_ReferenceScenario_2016
- + Eurostat
- + IEA
- + IEA ETP 2DS
- + IEA ETP B2DS
- + IEA ETP RTS
- + IEA WEO 2021 APS
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS
- + IEA_WEO
- + INNOPATHS



Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

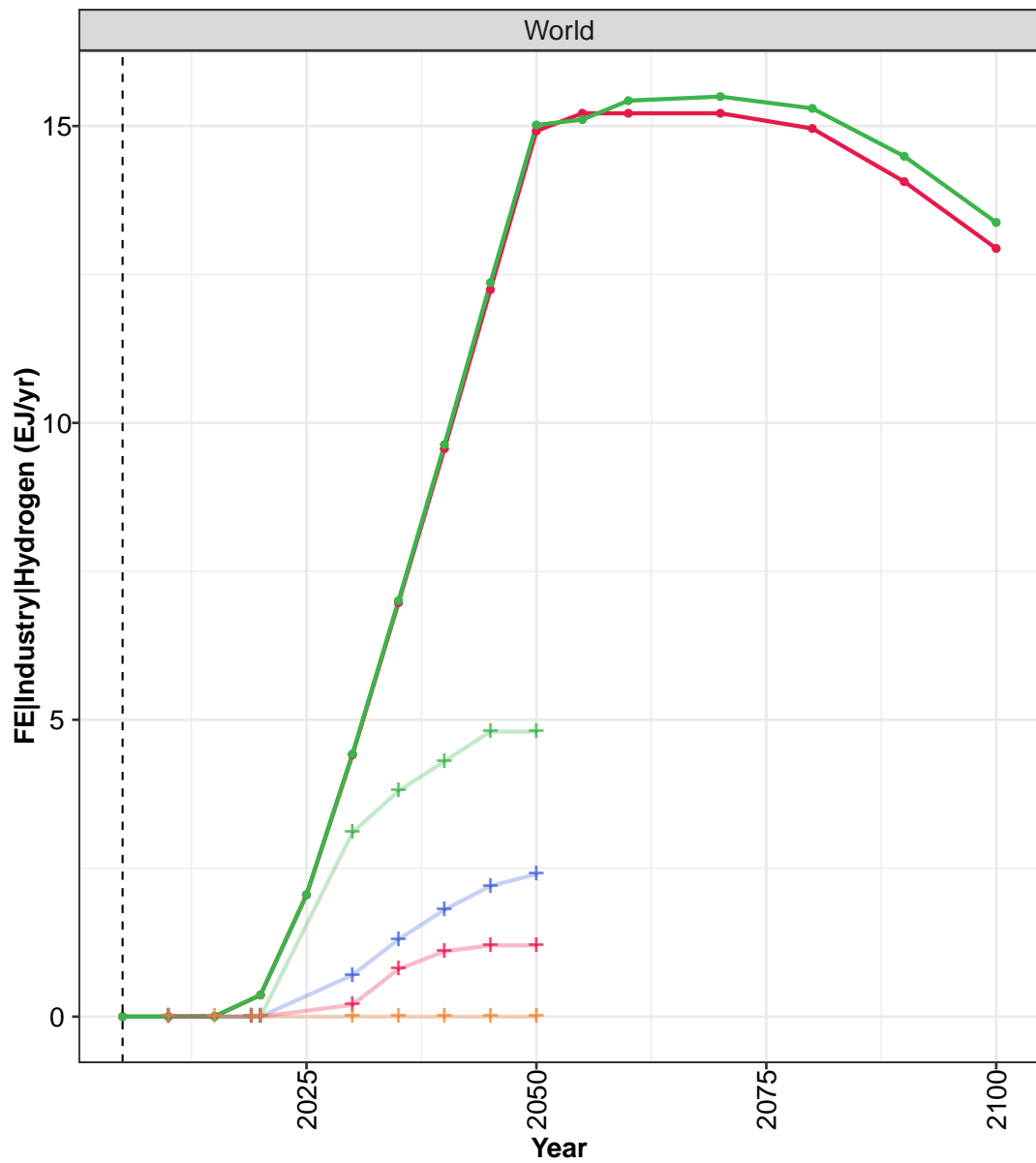
- + IEA
- + IEA ETP 2DS
- + IEA ETP B2DS
- + IEA ETP RTS
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS

Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + IEA
- + IEA ETP 2DS
- + IEA ETP B2DS
- + IEA ETP RTS
- + IEA WEO 2021 APS
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS
- + IEA_WEO
- + INNOPATHS

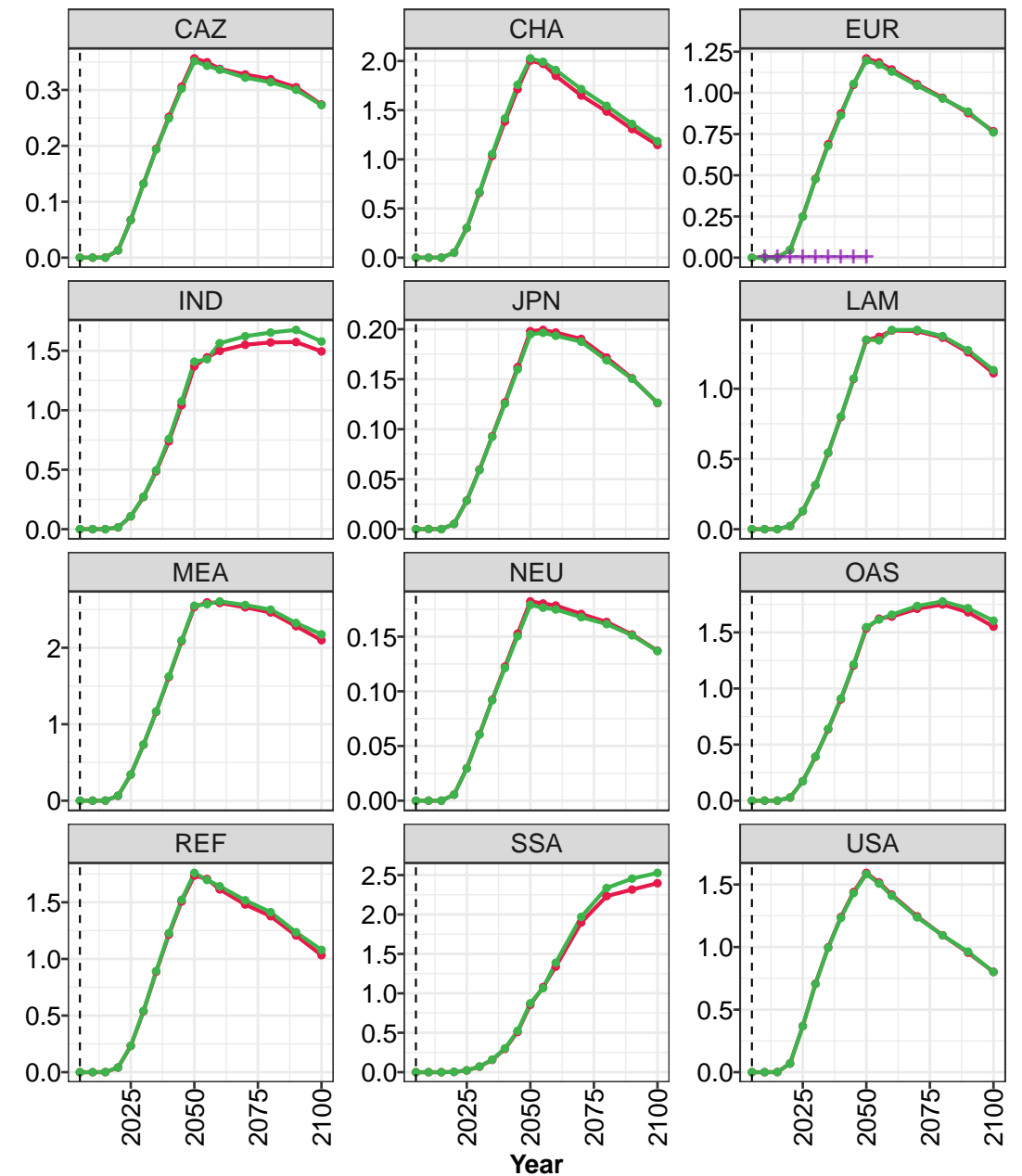


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS

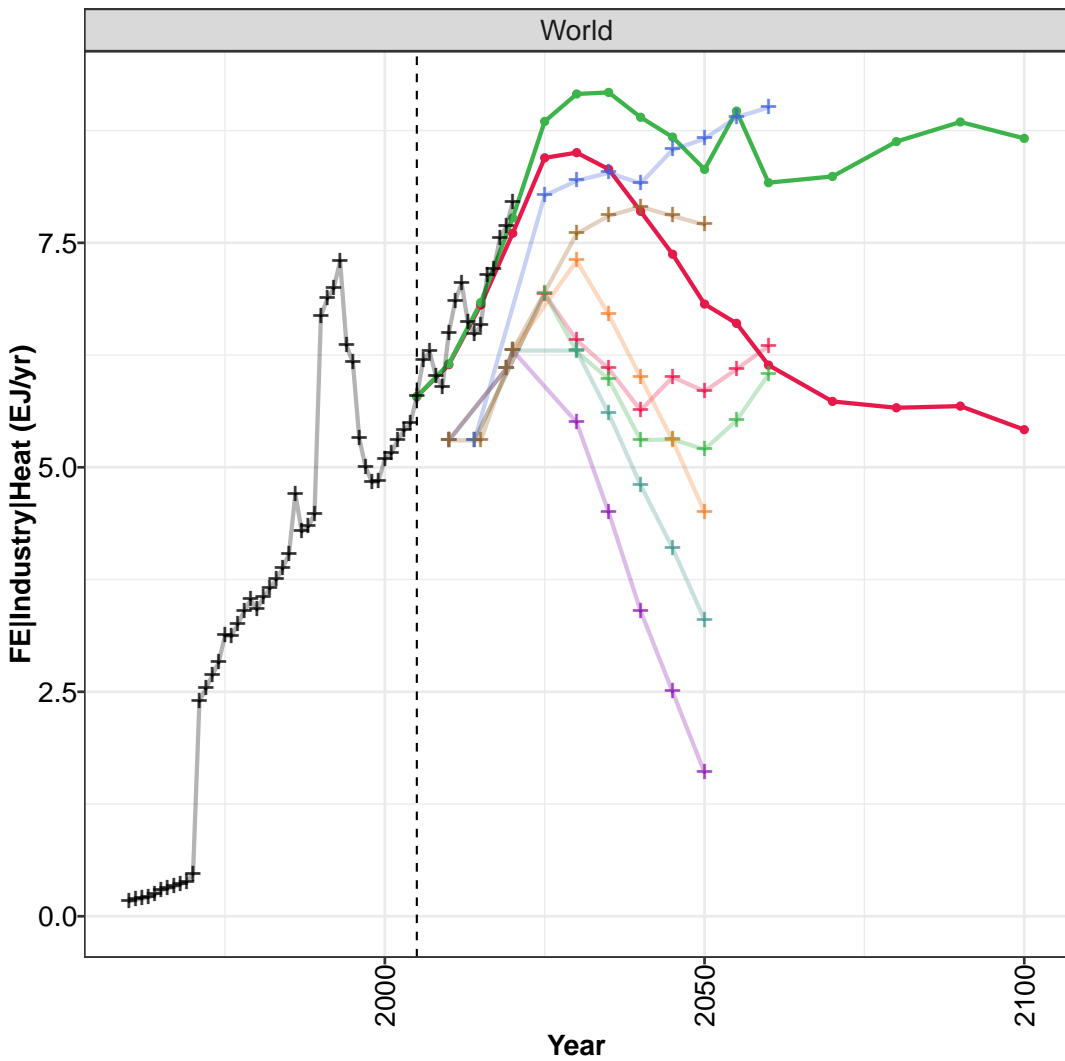


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + INNOPATHS

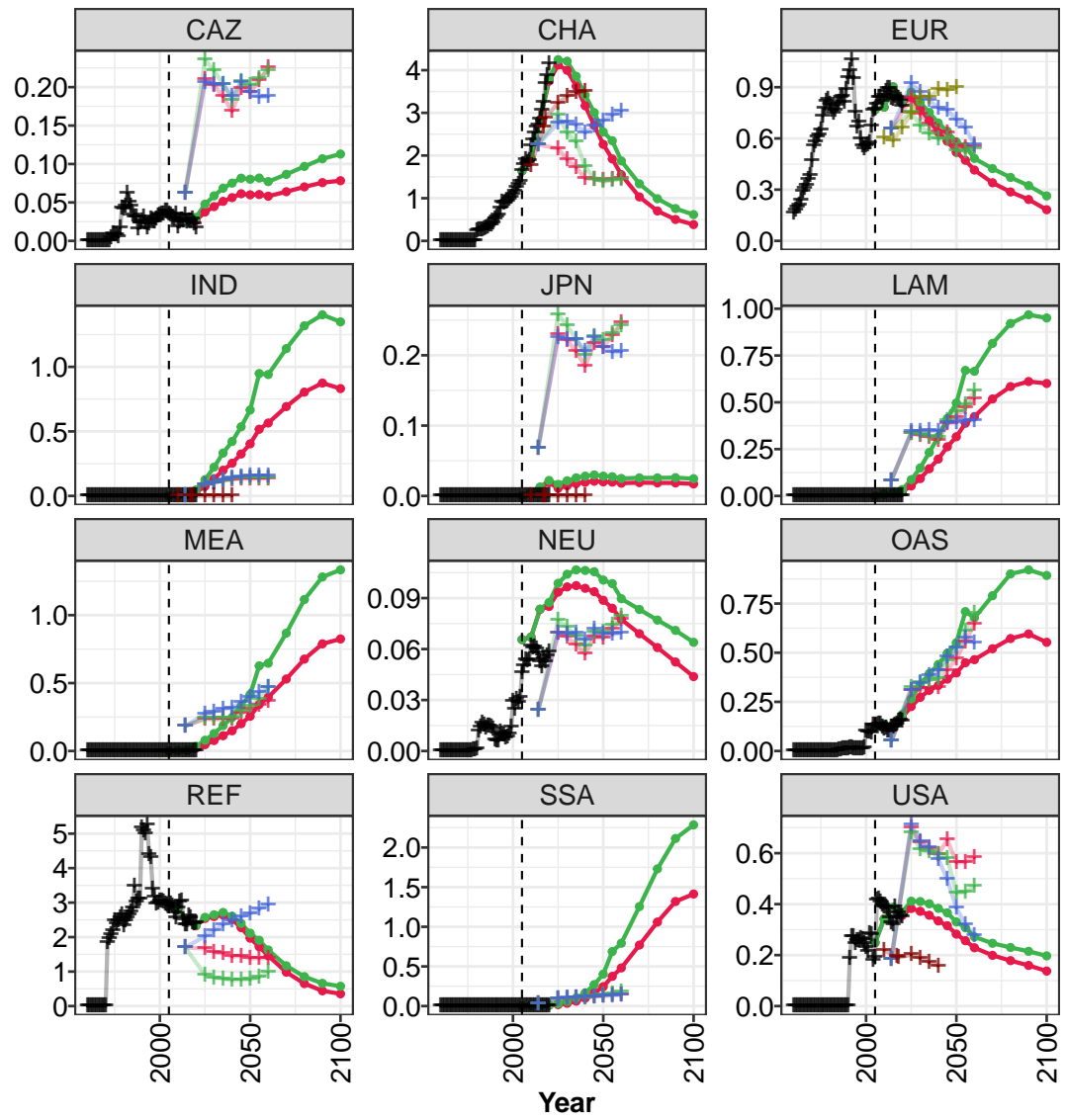


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + IEA
- + IEA ETP 2DS
- + IEA ETP B2DS
- + IEA ETP RTS
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS

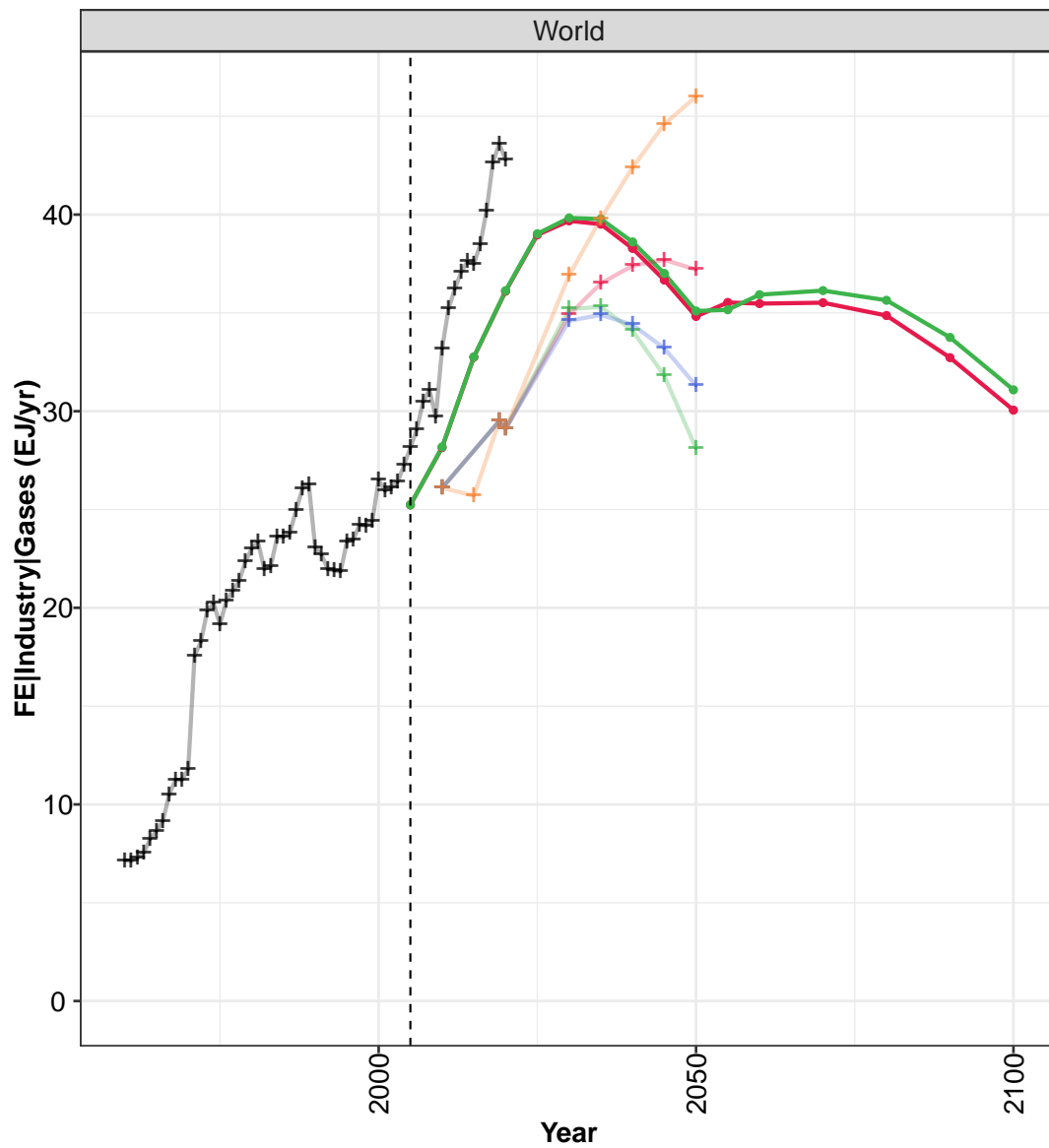


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + IEA
- + IEA ETP 2DS
- + IEA ETP B2DS
- + IEA ETP RTS
- + IEA_WEO
- + INNOPATHS

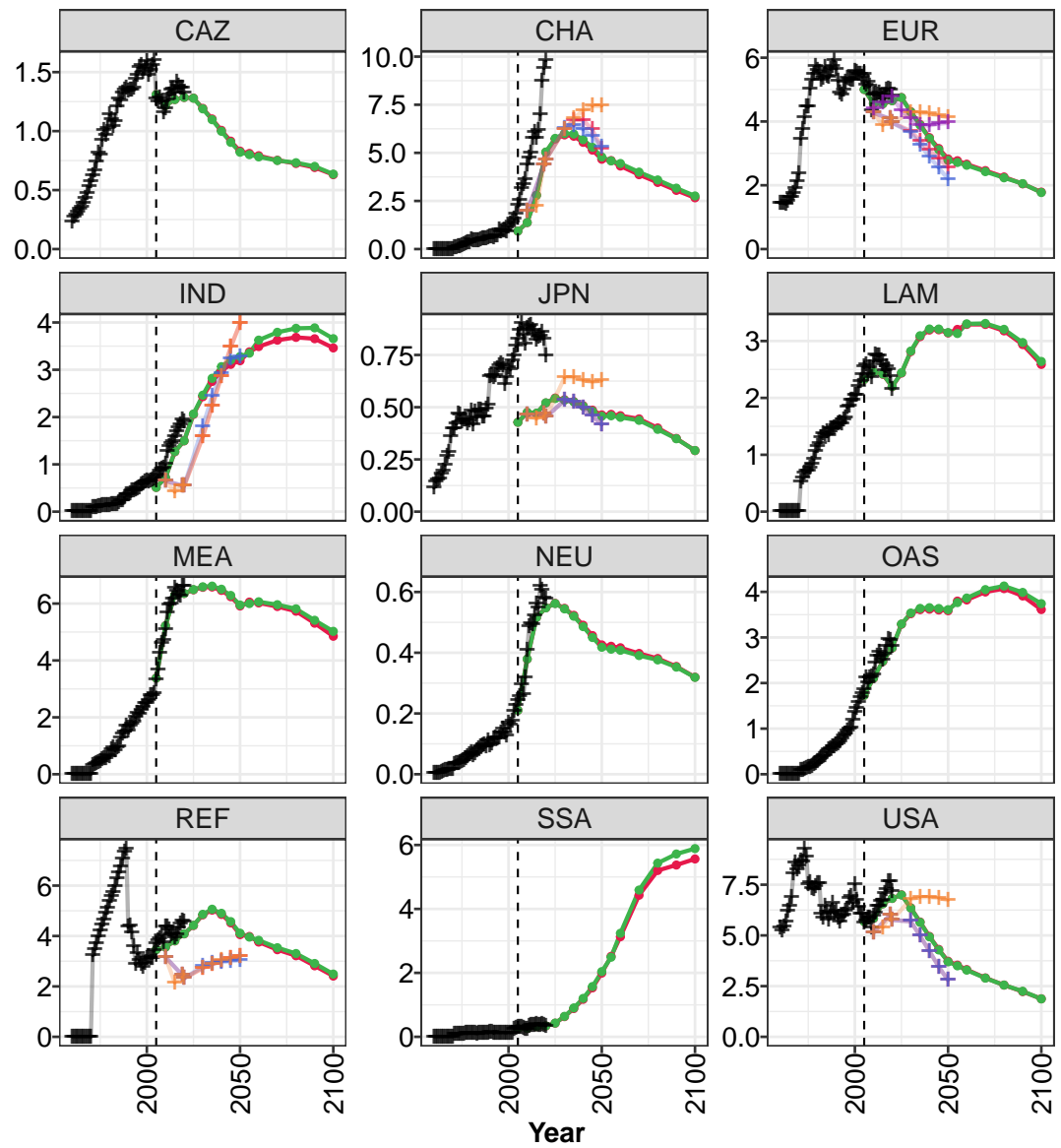


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + IEA
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS

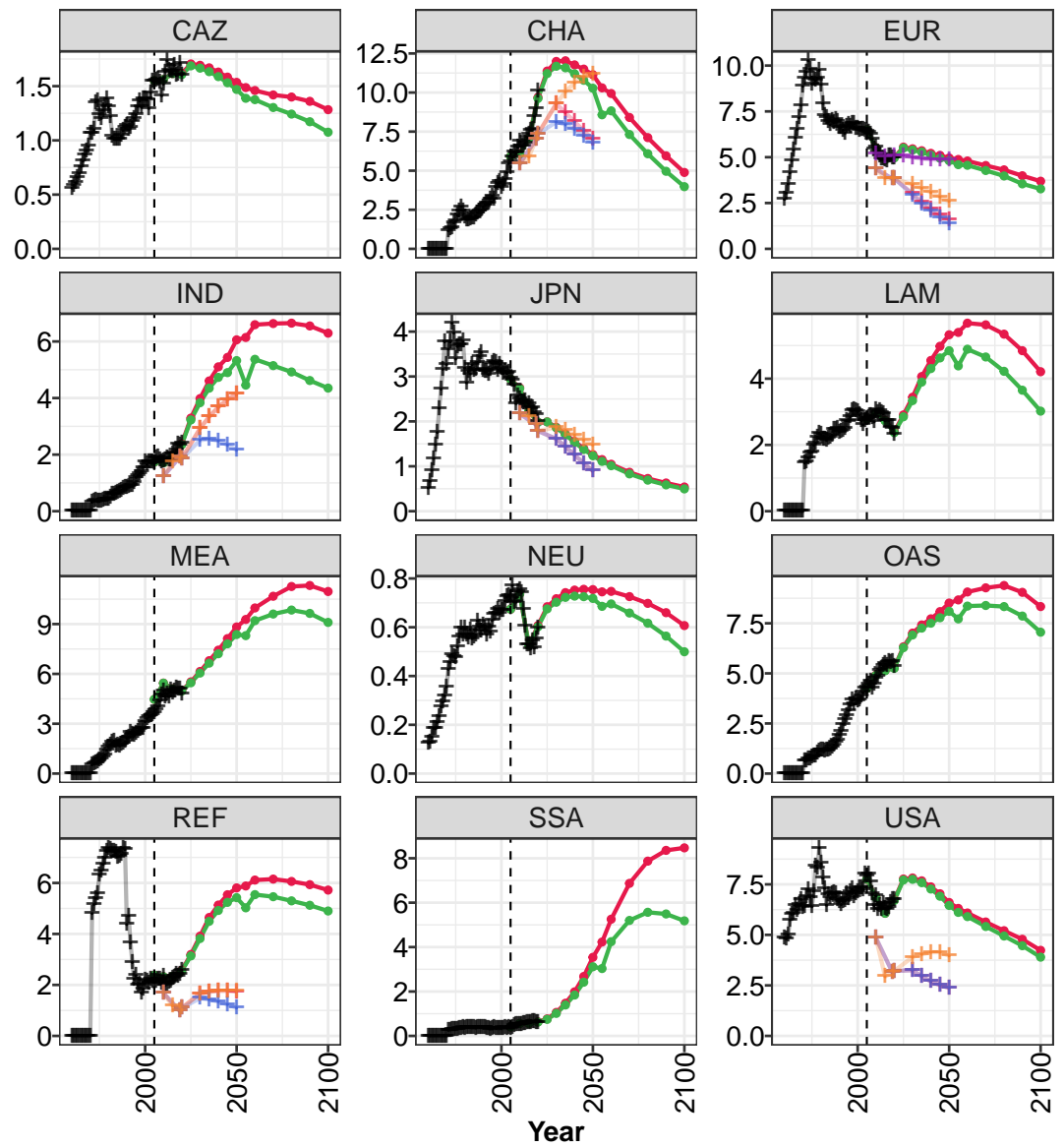
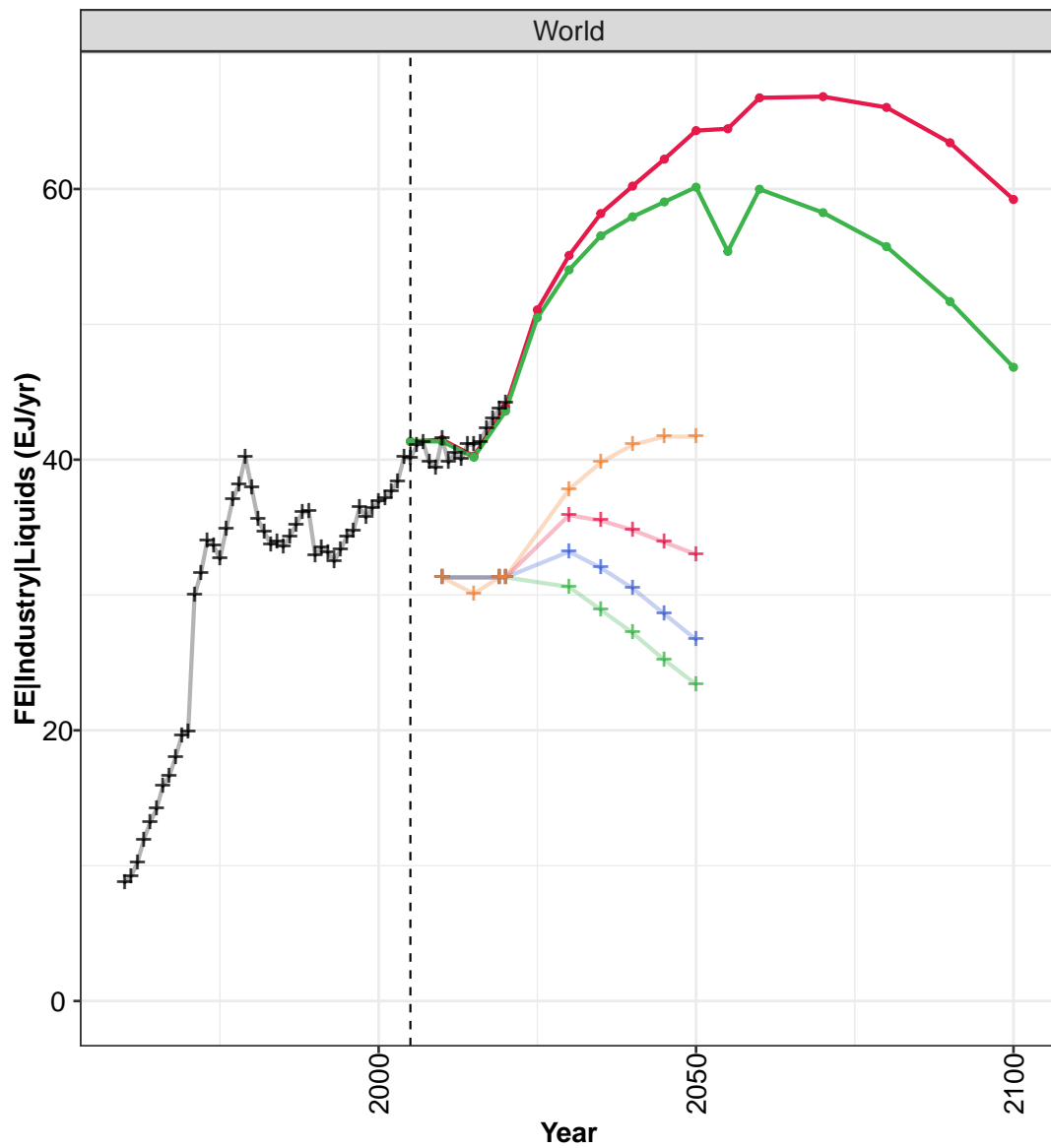


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + IEA
- + IEA WEO 2021 APS
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS
- + INNOPATHS



Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

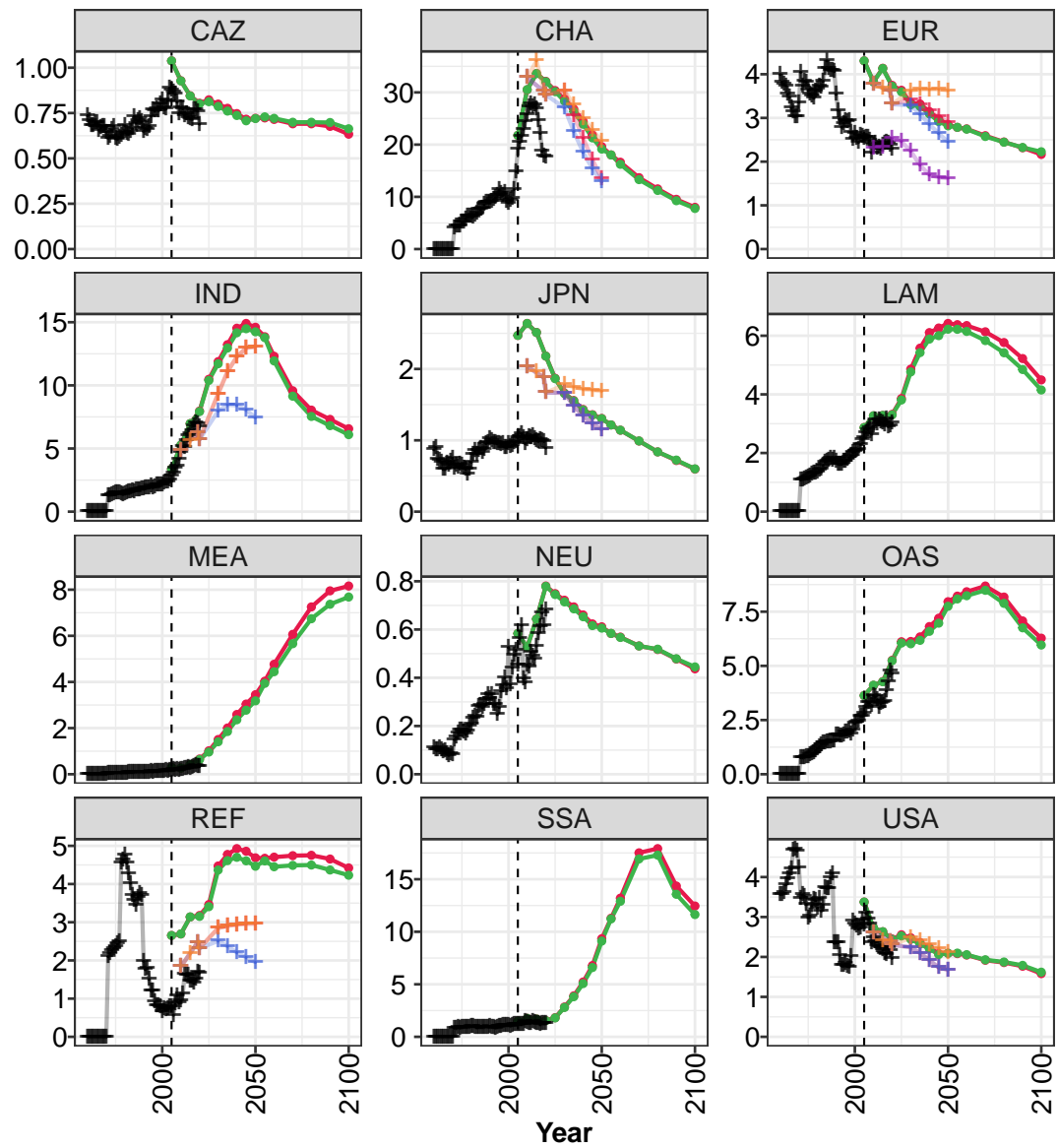
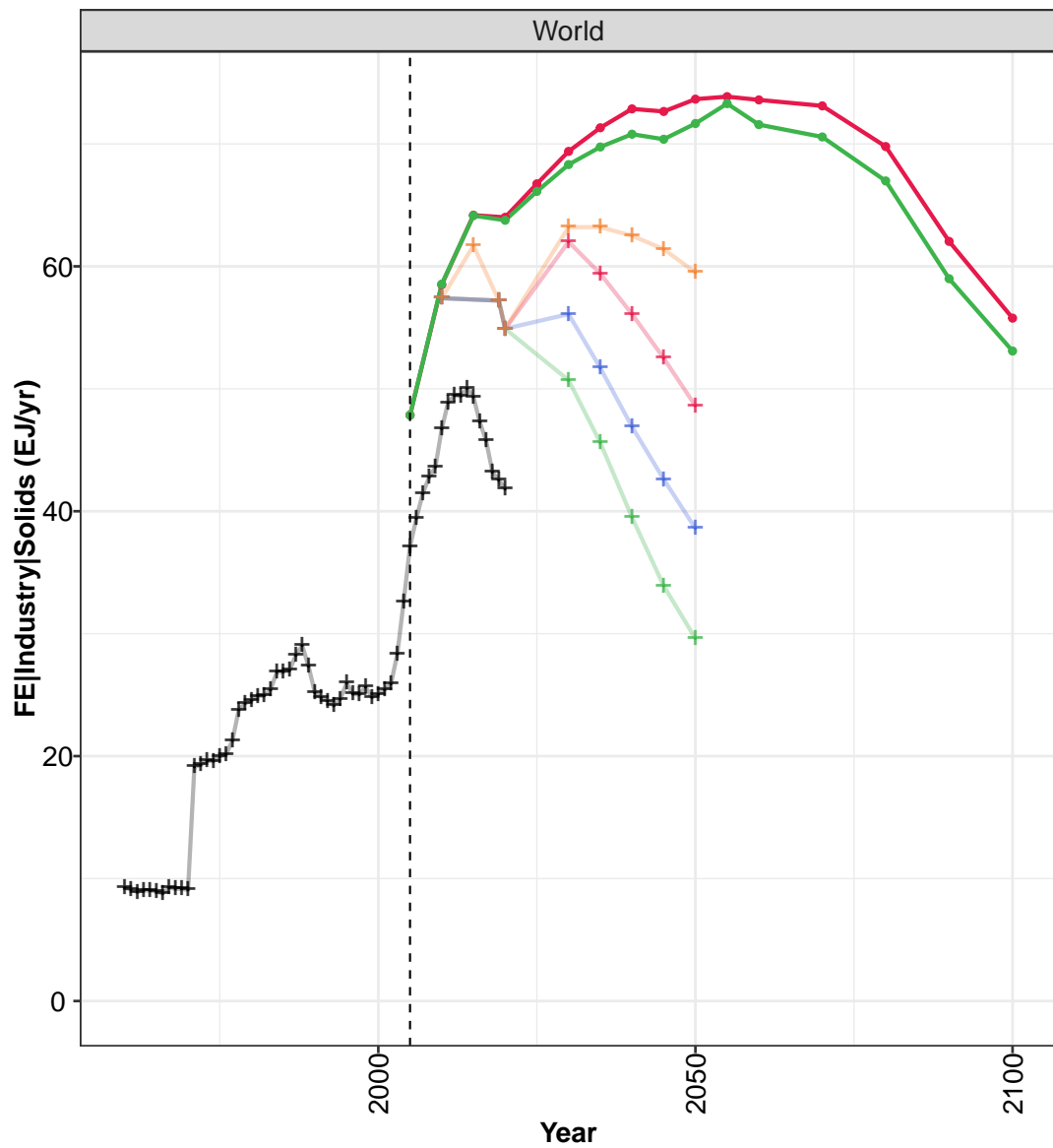
- + IEA
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS

Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + IEA
- + IEA WEO 2021 APS
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS
- + INNOPATHS



Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + IEA
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS

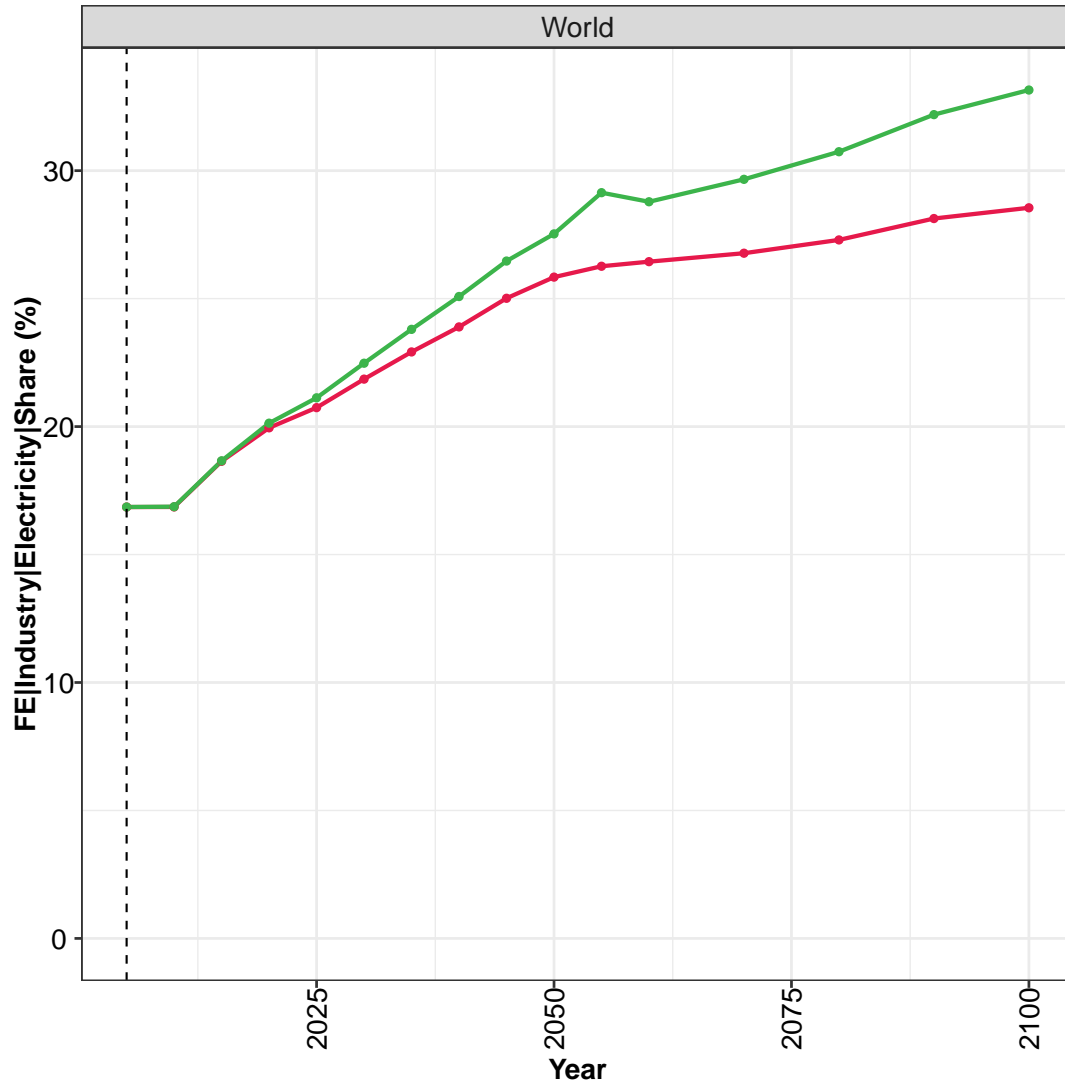
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

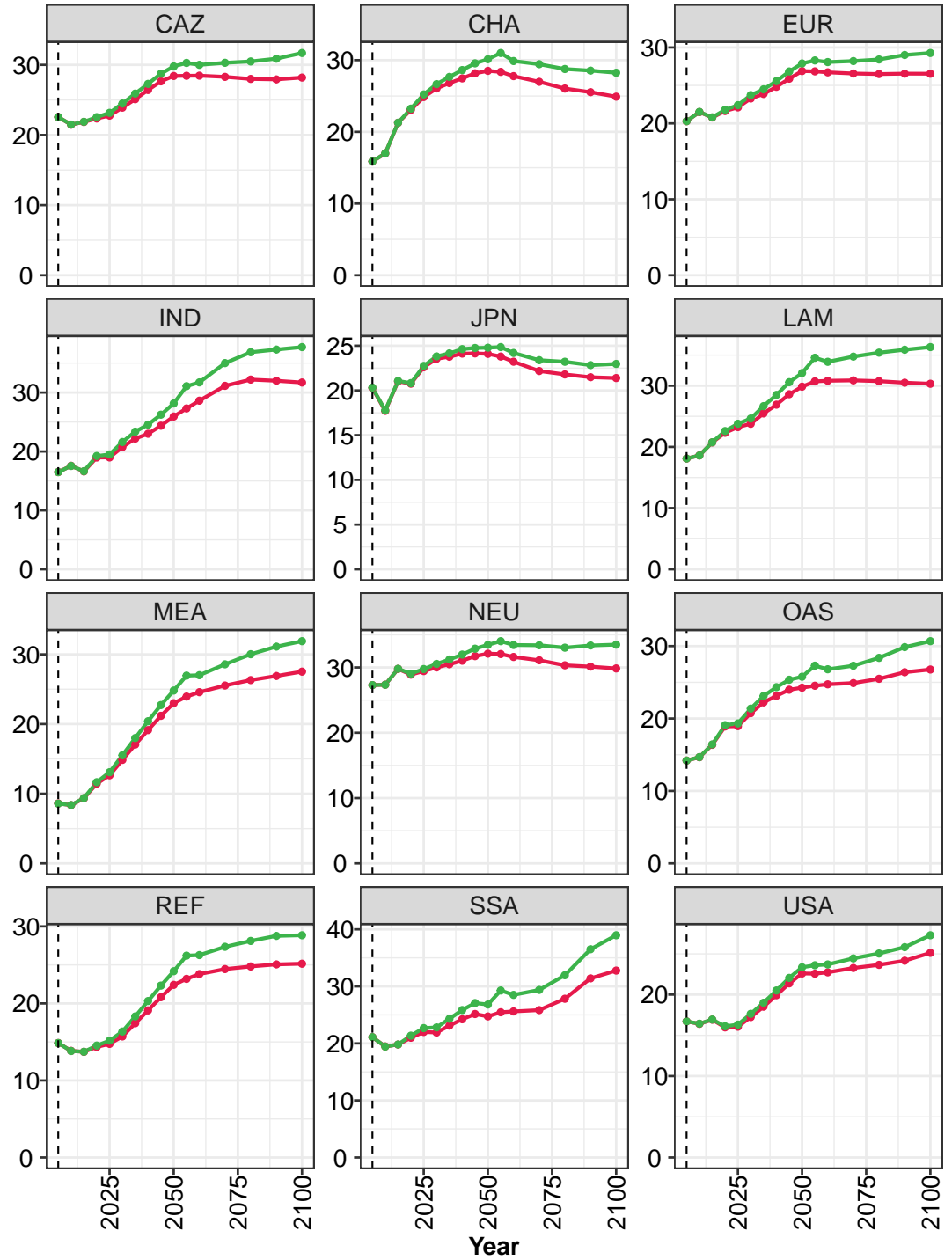
- + IEA
- + IEA WEO 2021 APS
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS
- + INNOPATHS

5.3.1.3 Electricity Share in Industry Final Energy

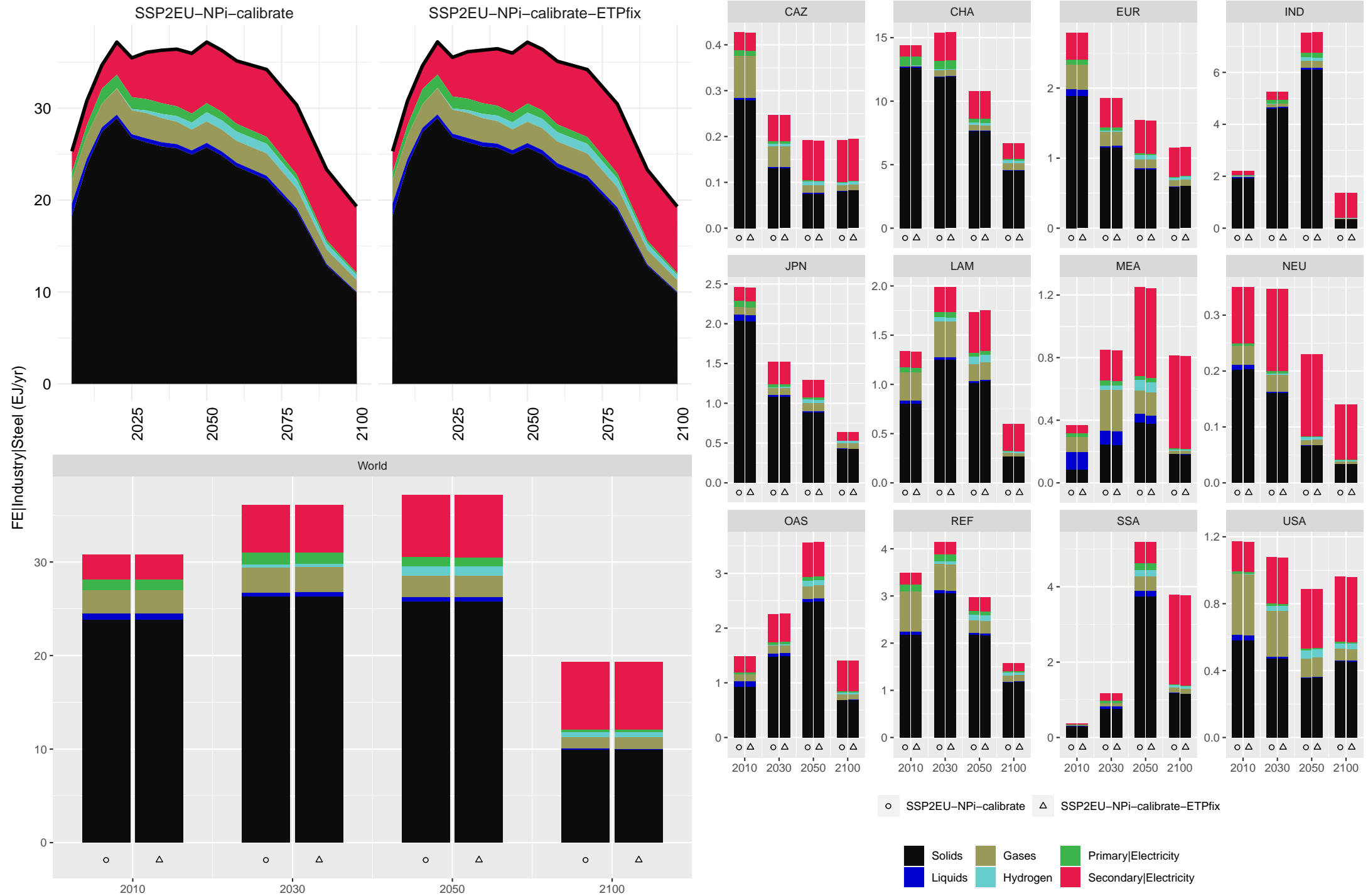


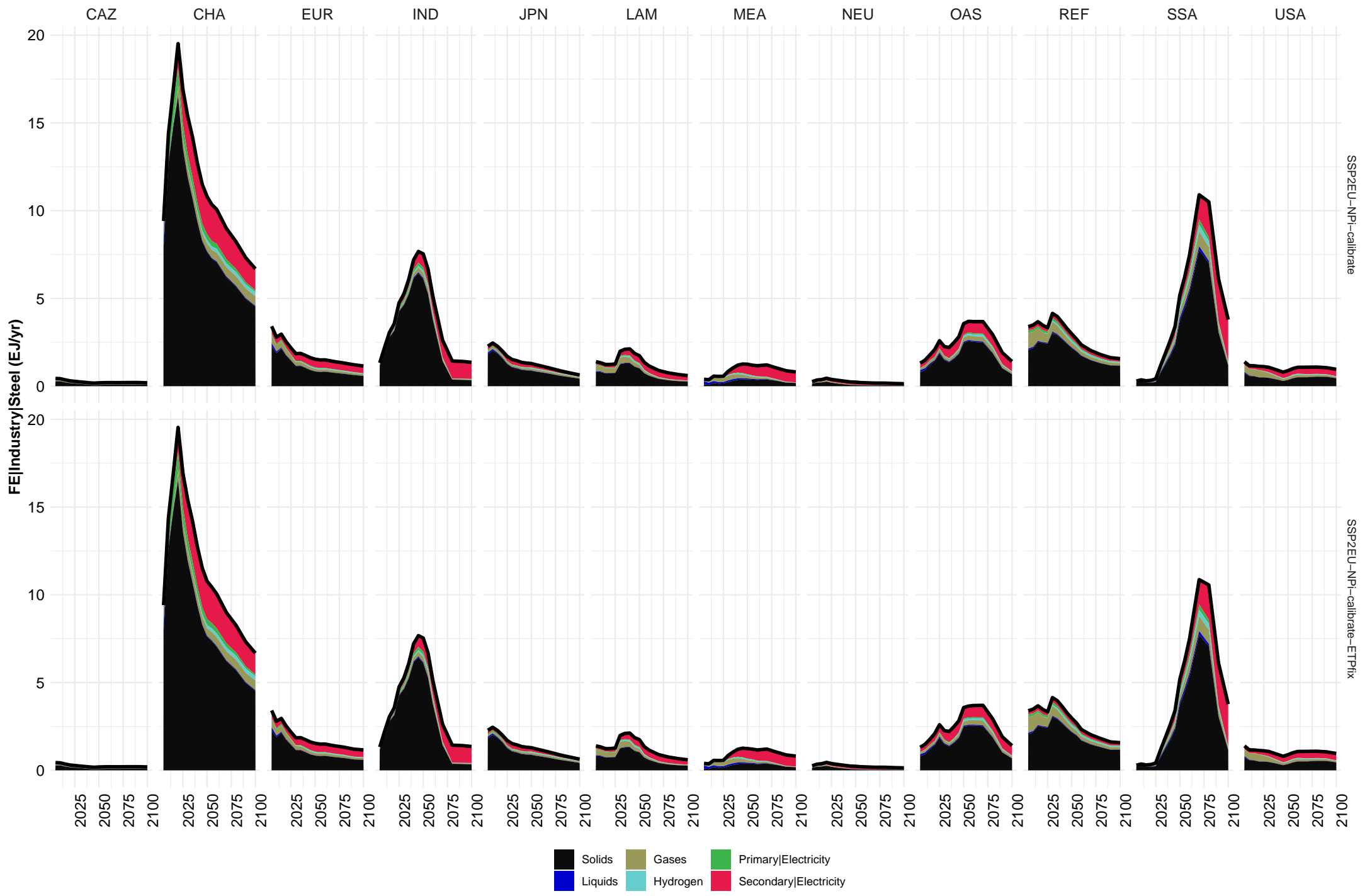
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



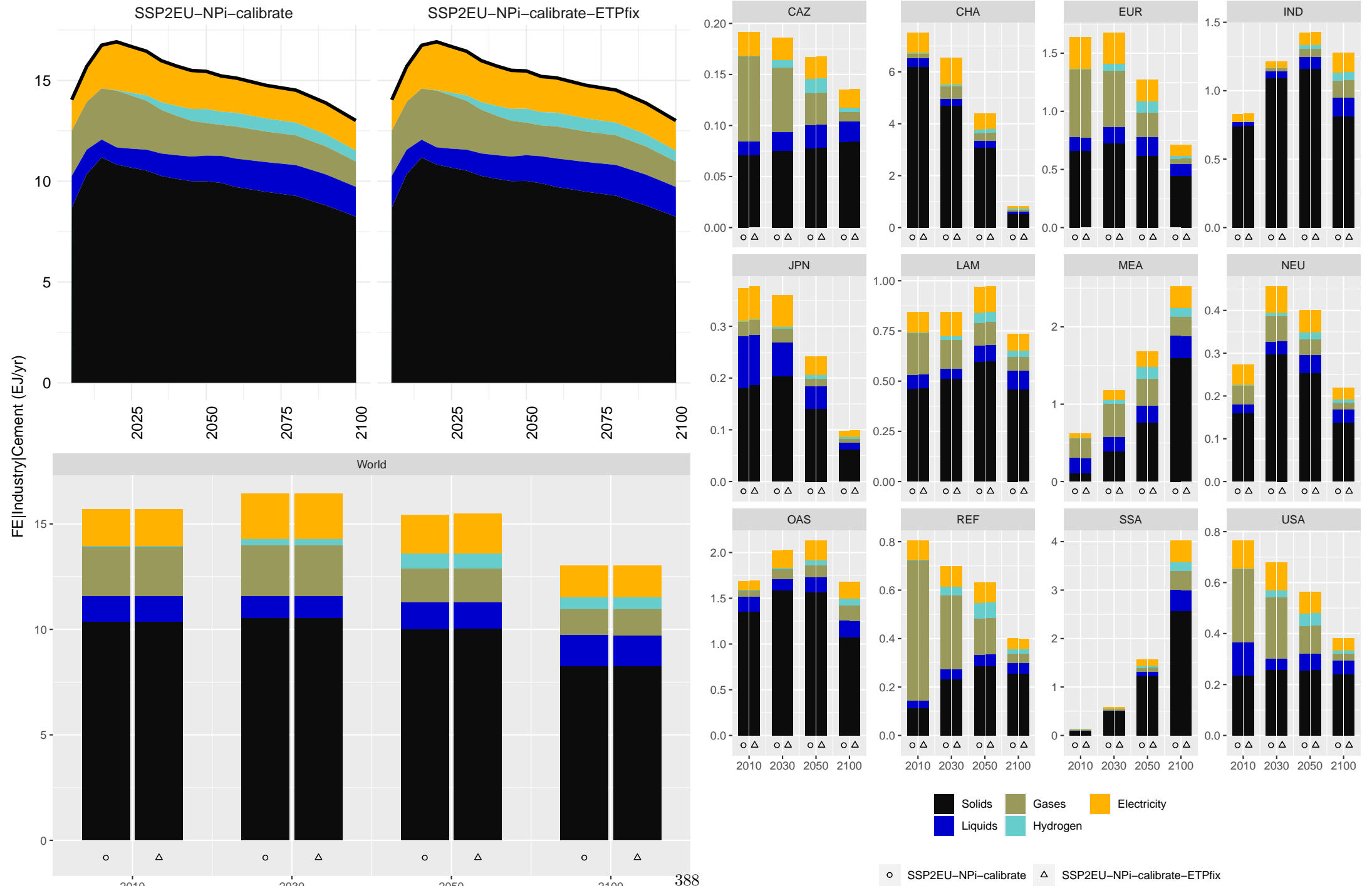
5.3.2 FE mix Steel

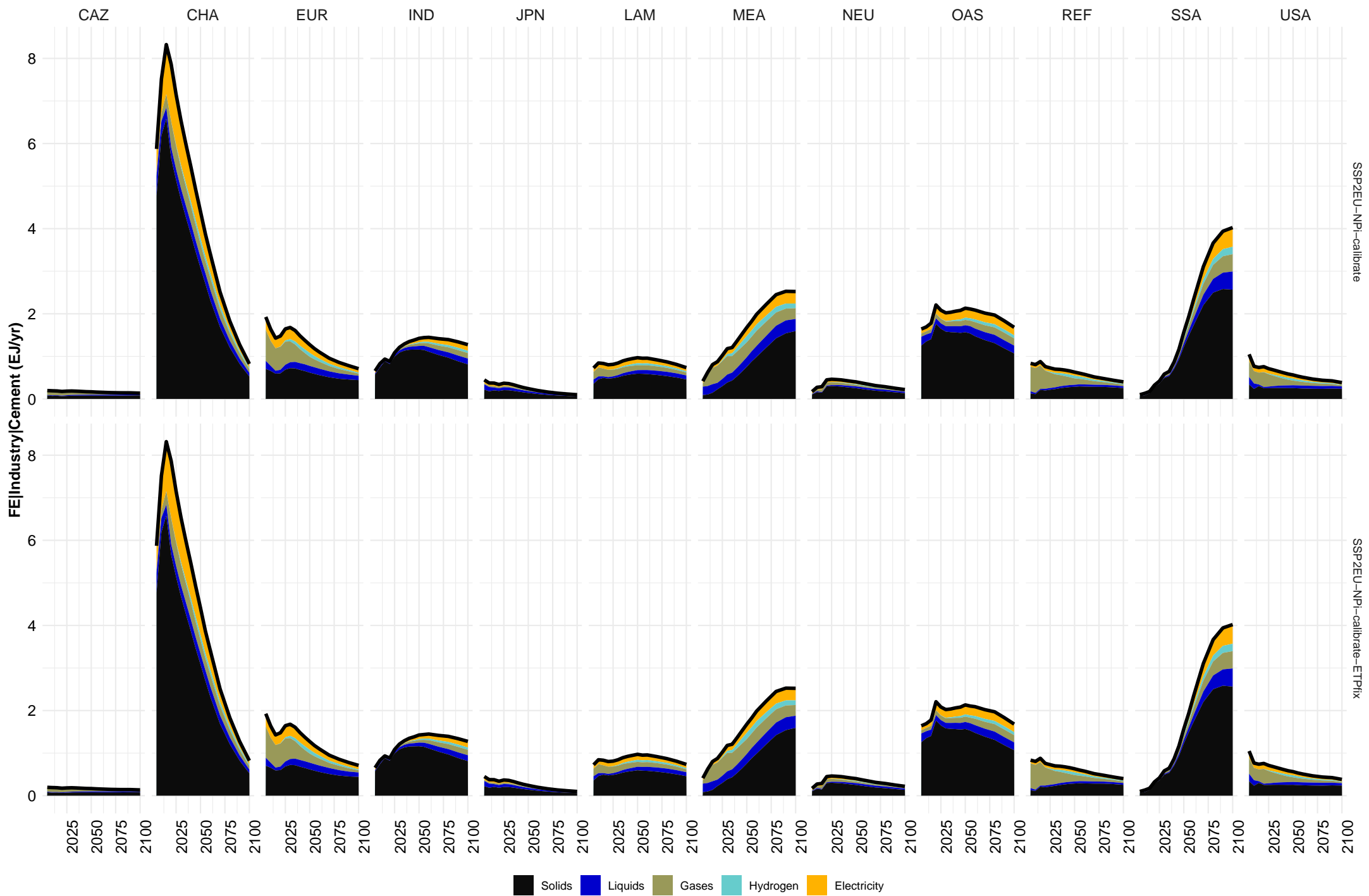




5.3.3 FE mix Steel using process-based steel modeling by route

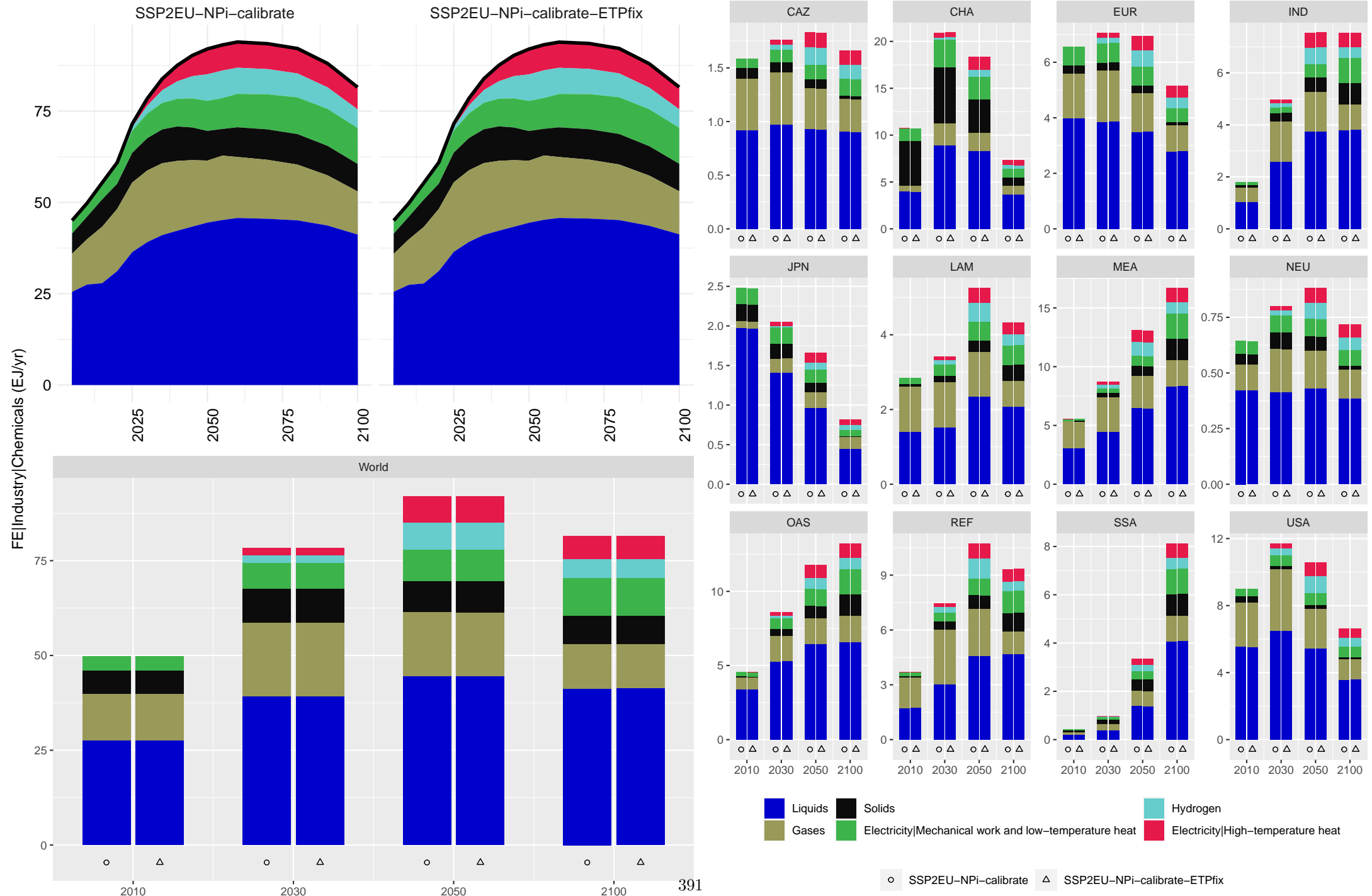
5.3.4 FE mix Cement

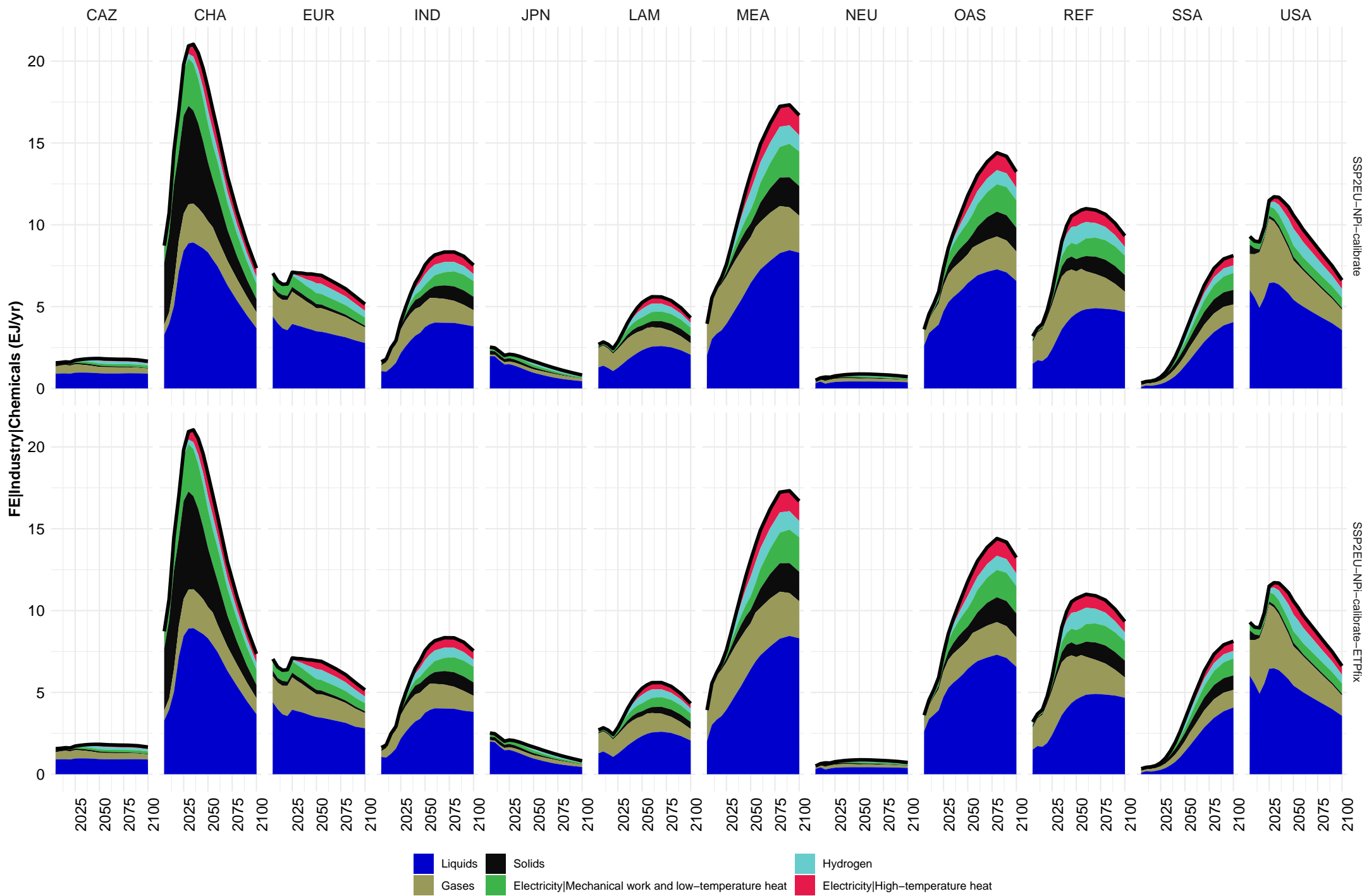




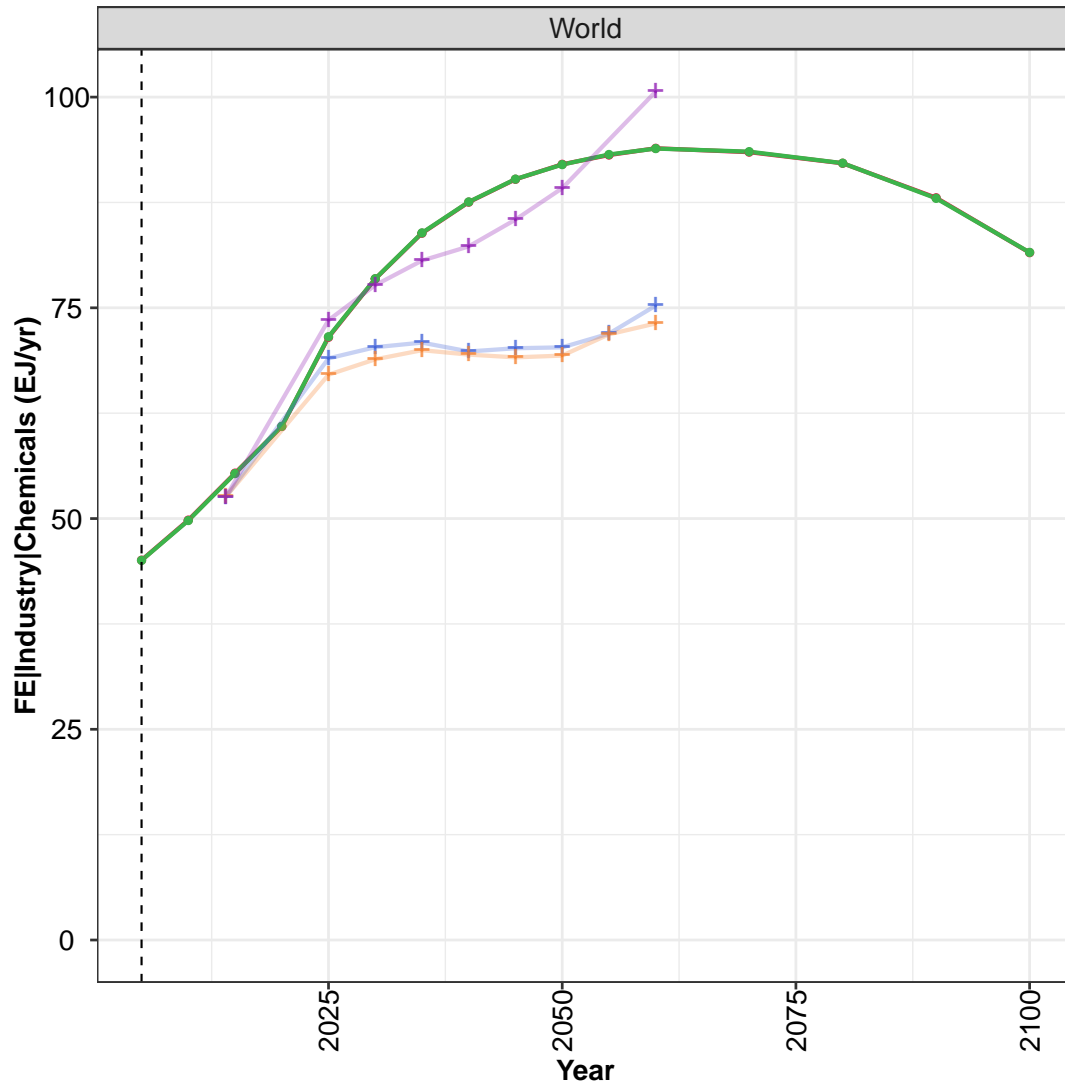
5.3.5 FE mix Non-metallic minerals

5.3.6 FE mix Chemicals





5.3.7 FE Total Chemicals

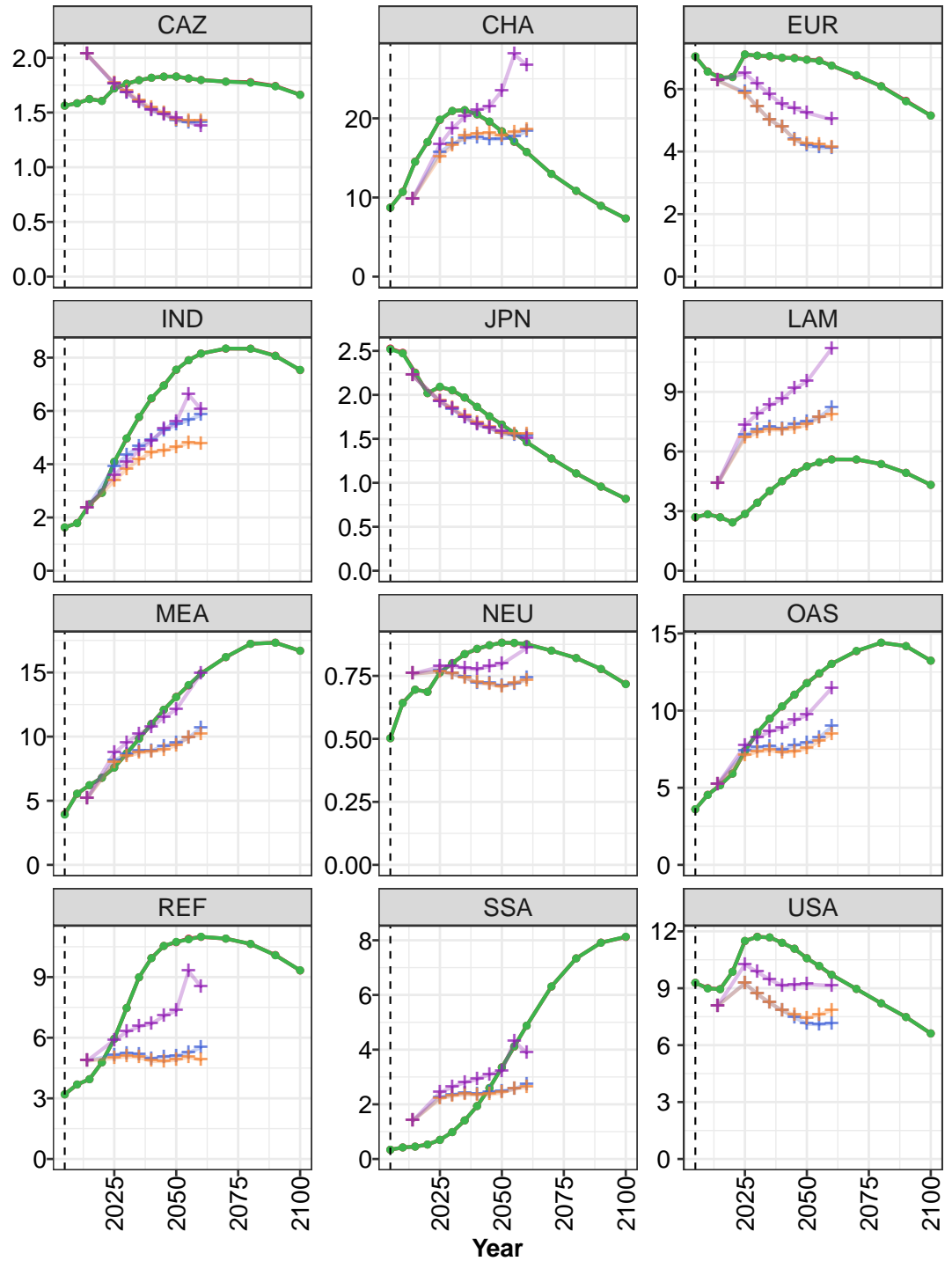


Model: REMIND

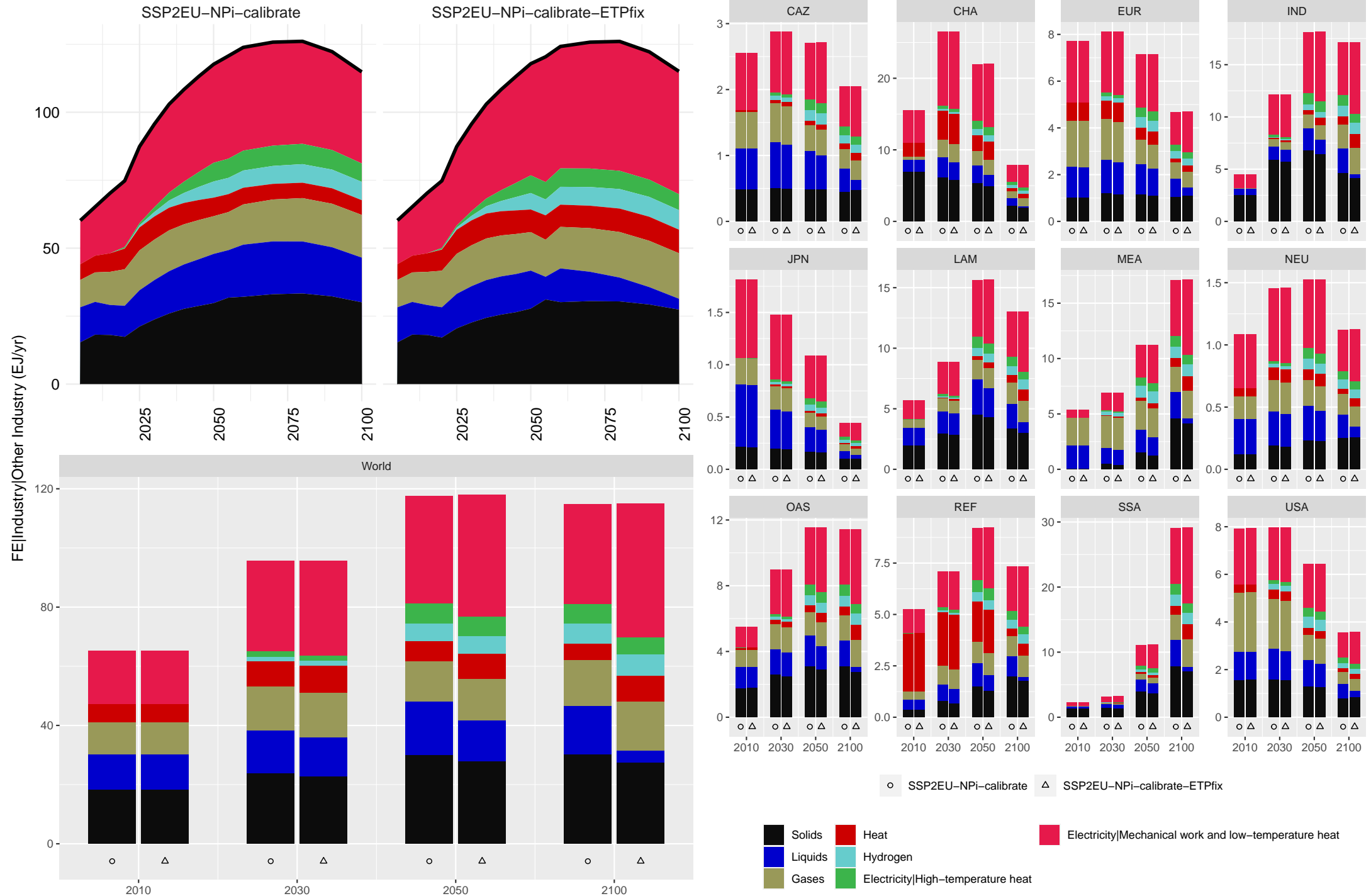
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

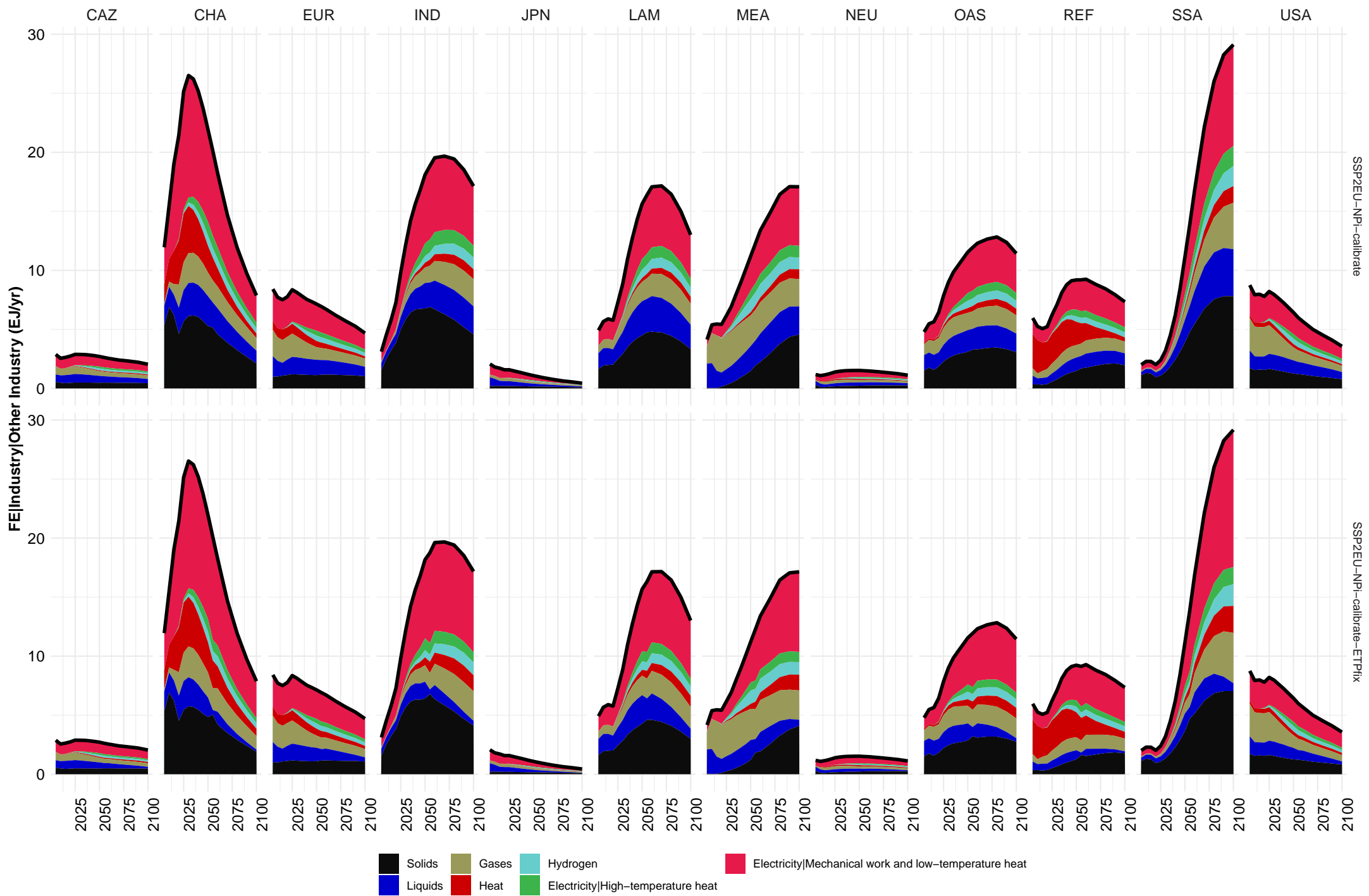
Historical data

- + IEA ETP 2DS
- + IEA ETP B2DS
- + IEA ETP RTS

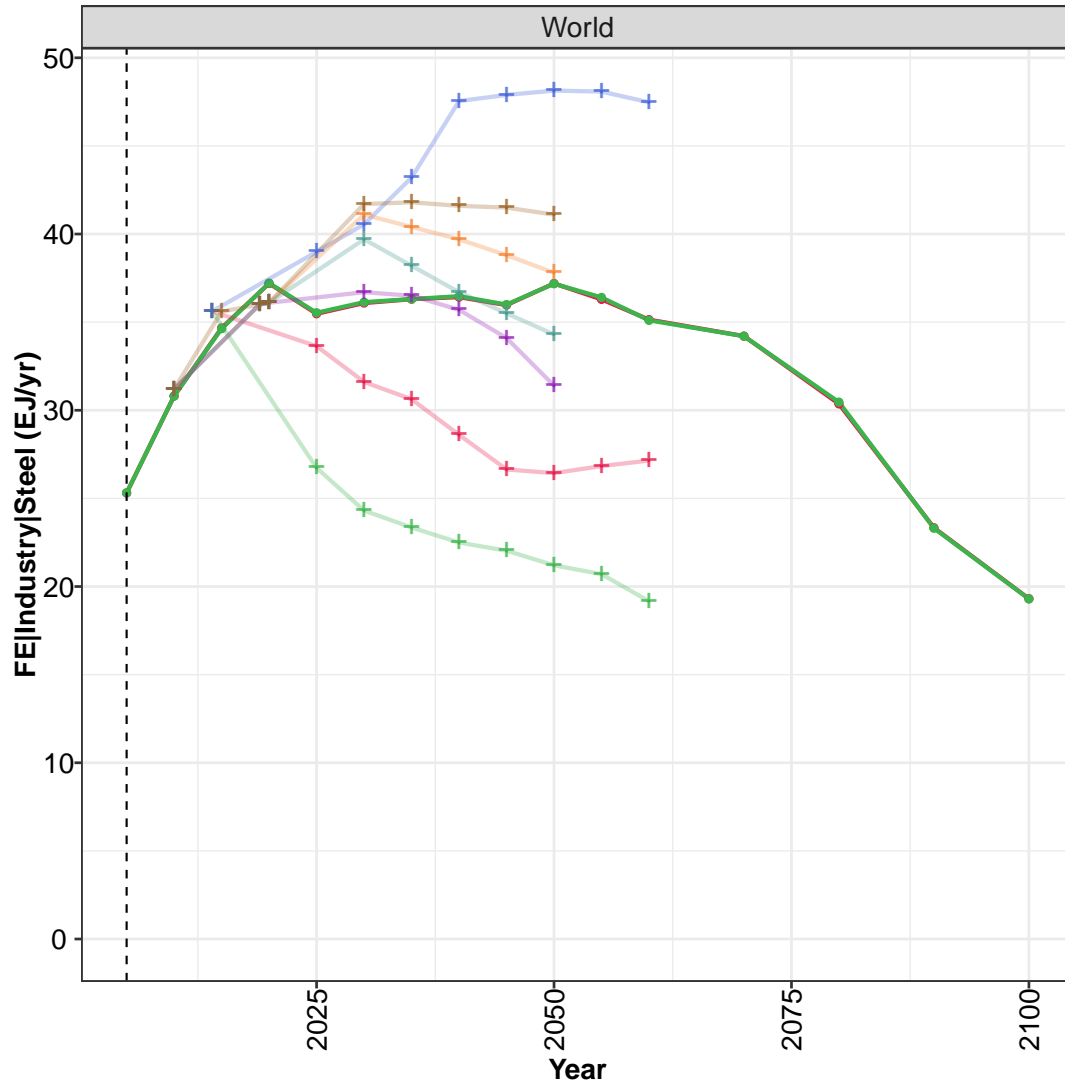


5.3.8 FE mix Other Industry





5.3.9 FE Industry line plots

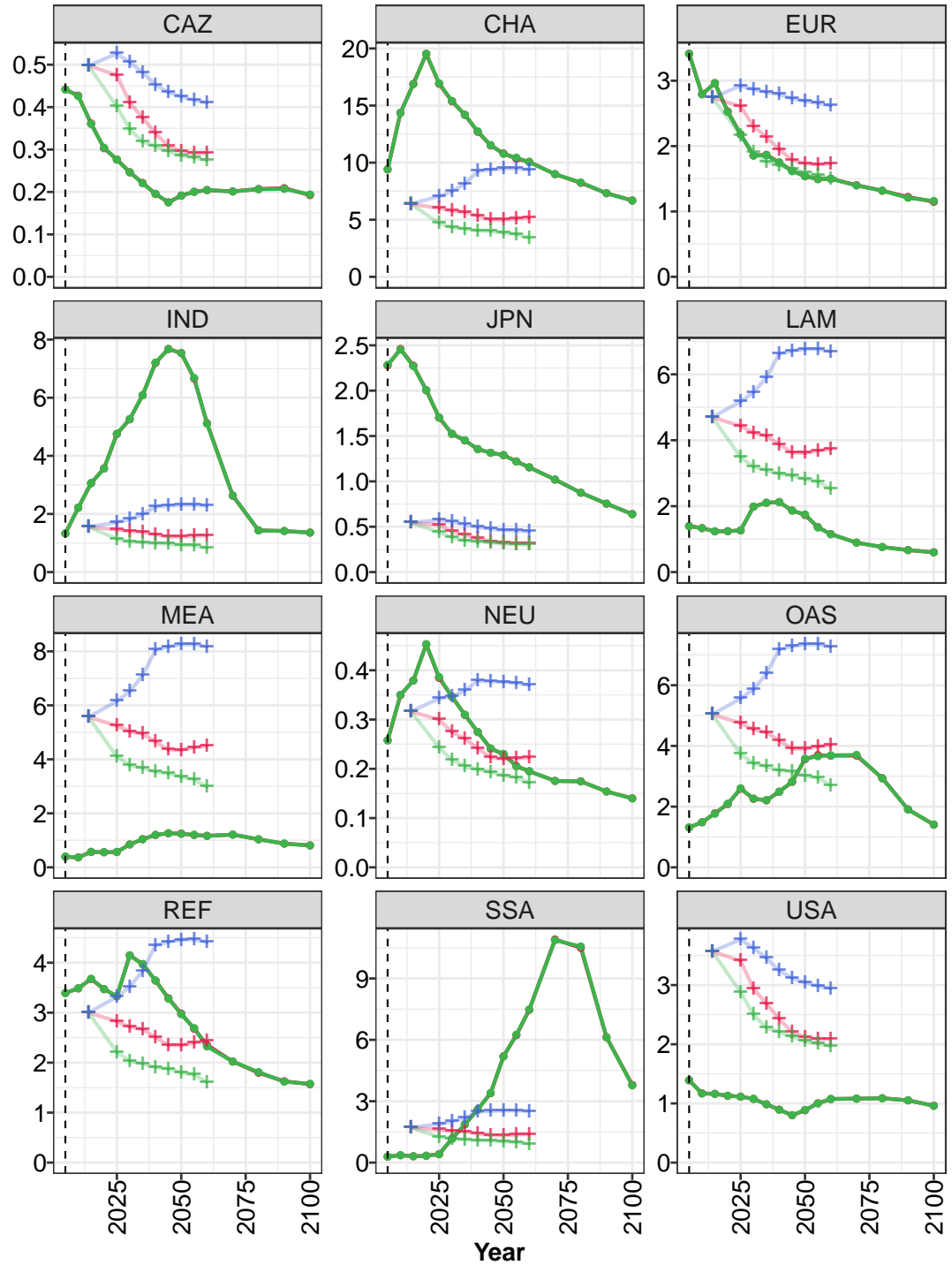


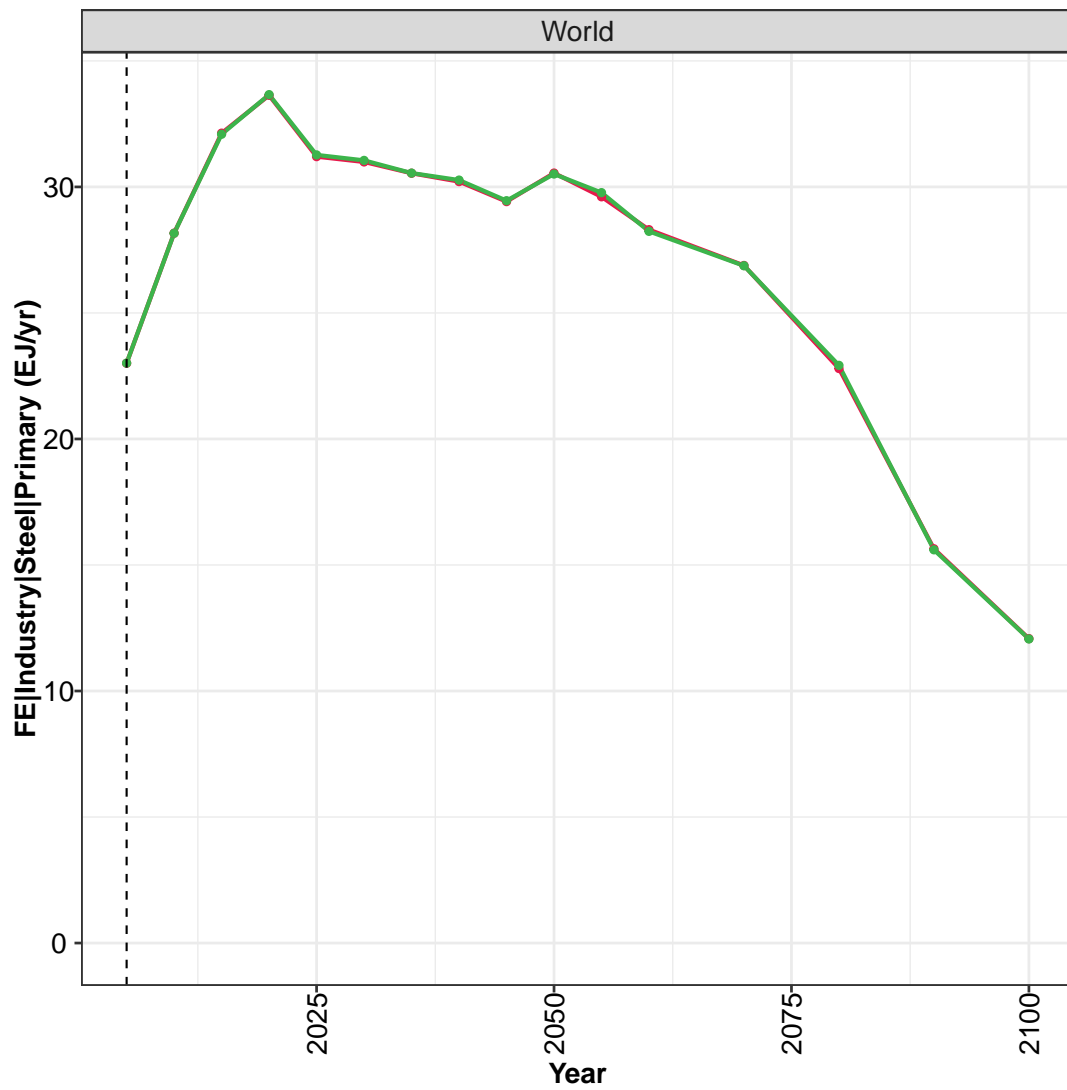
Model: REMIND

- +— SSP2EU-NPi-calibrate
- +— SSP2EU-NPi-calibrate-ETPfix

Historical data

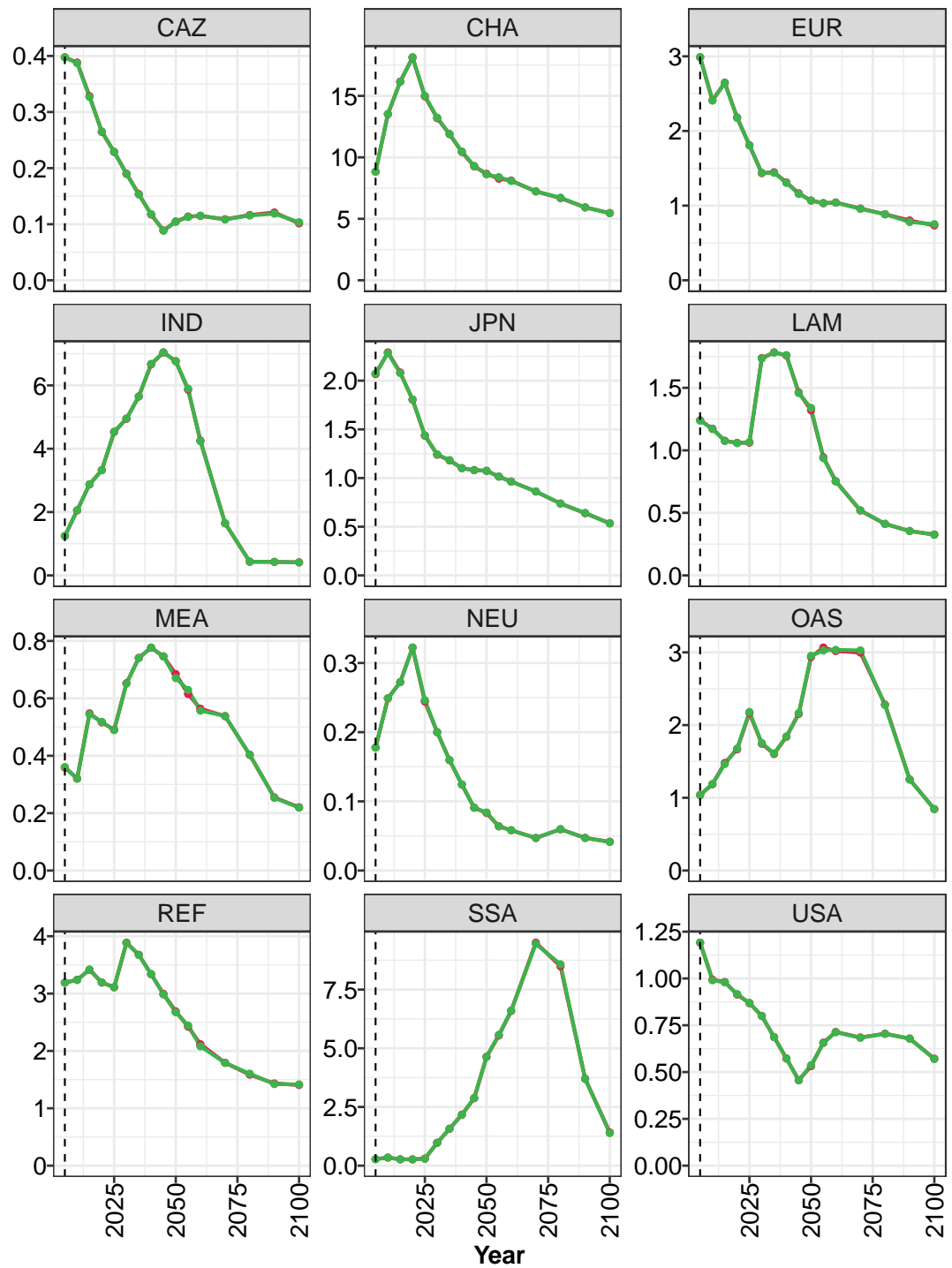
- + IEA ETP 2DS
- + IEA ETP B2DS
- + IEA ETP RTS
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS

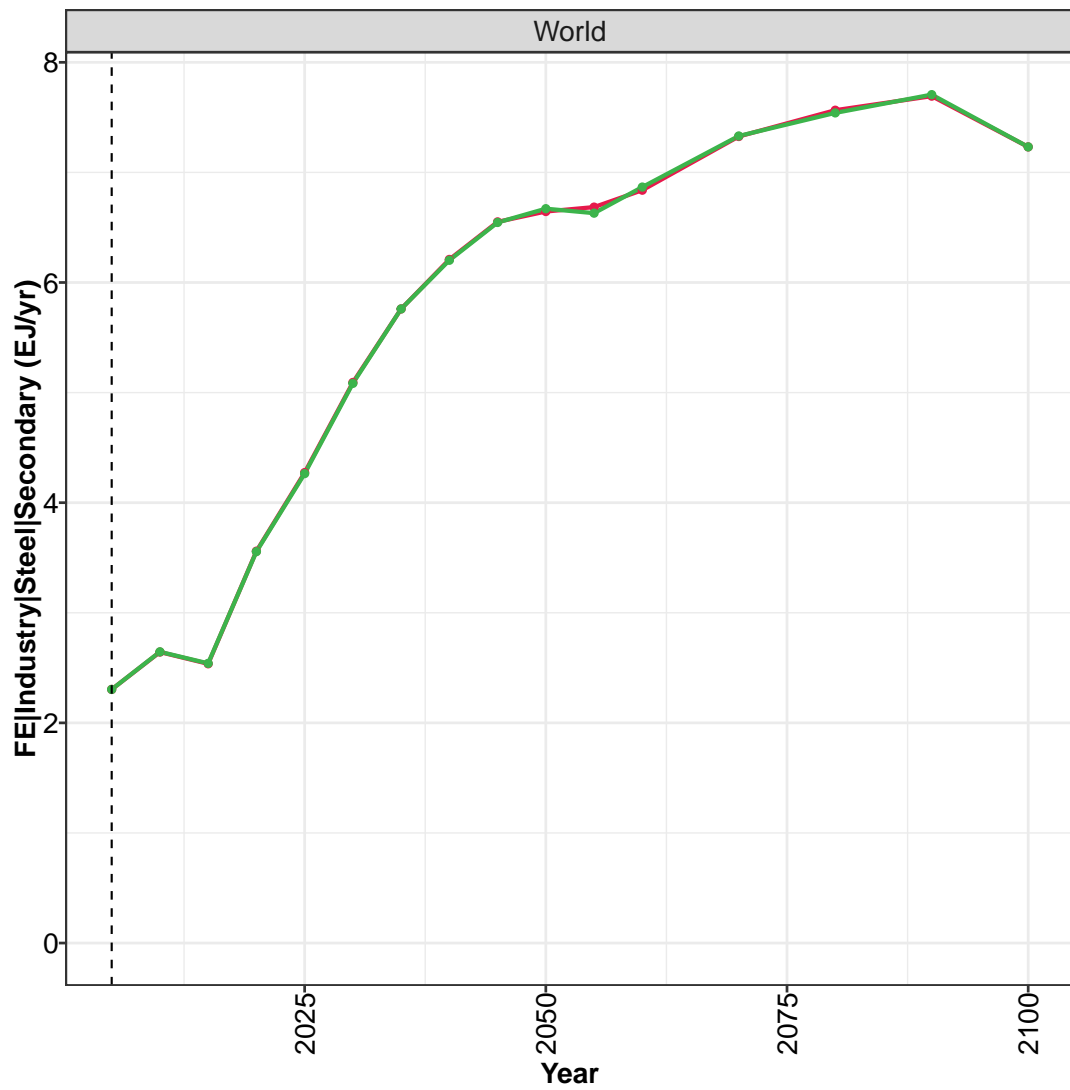




Model: REMIND

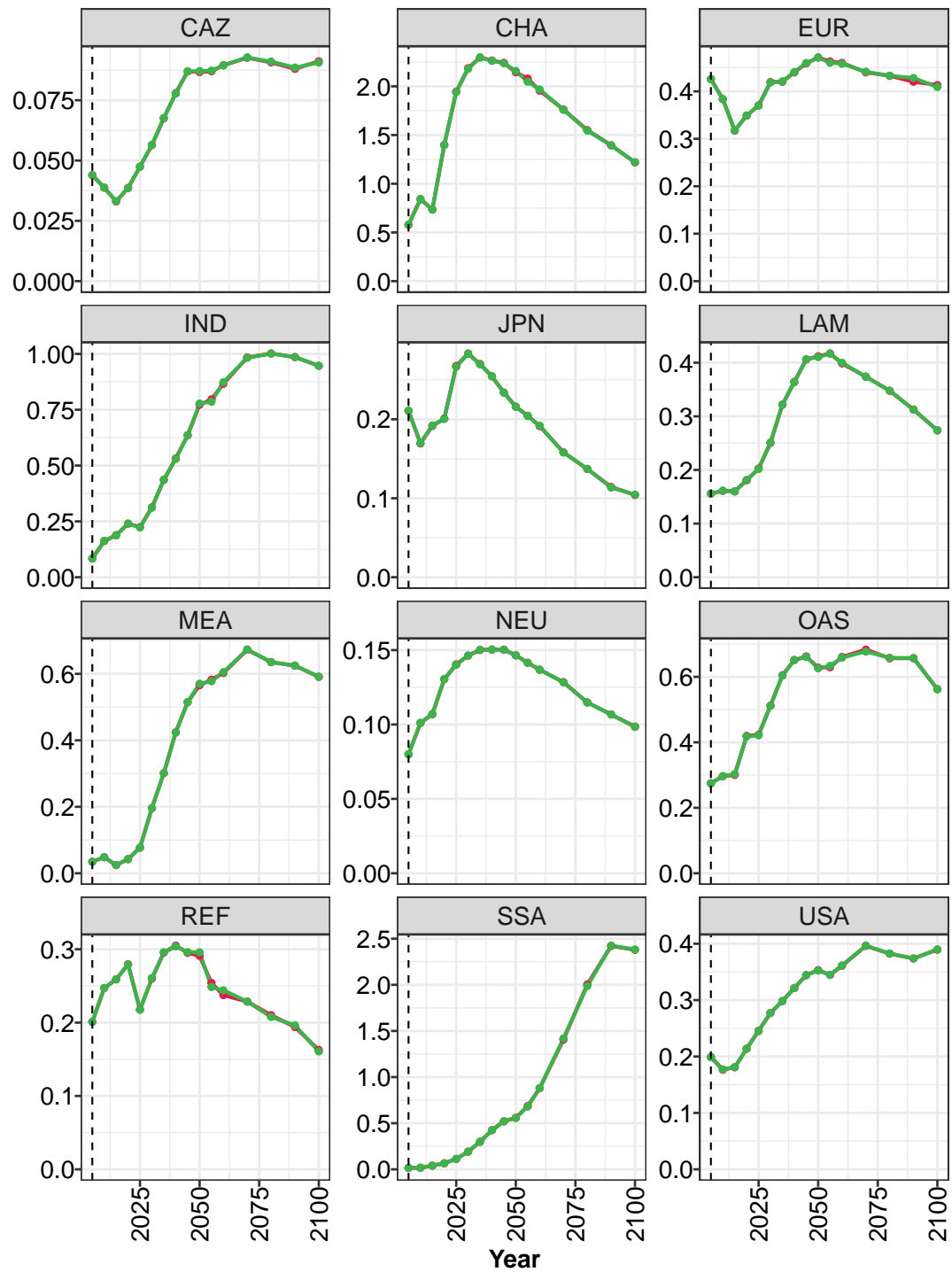
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

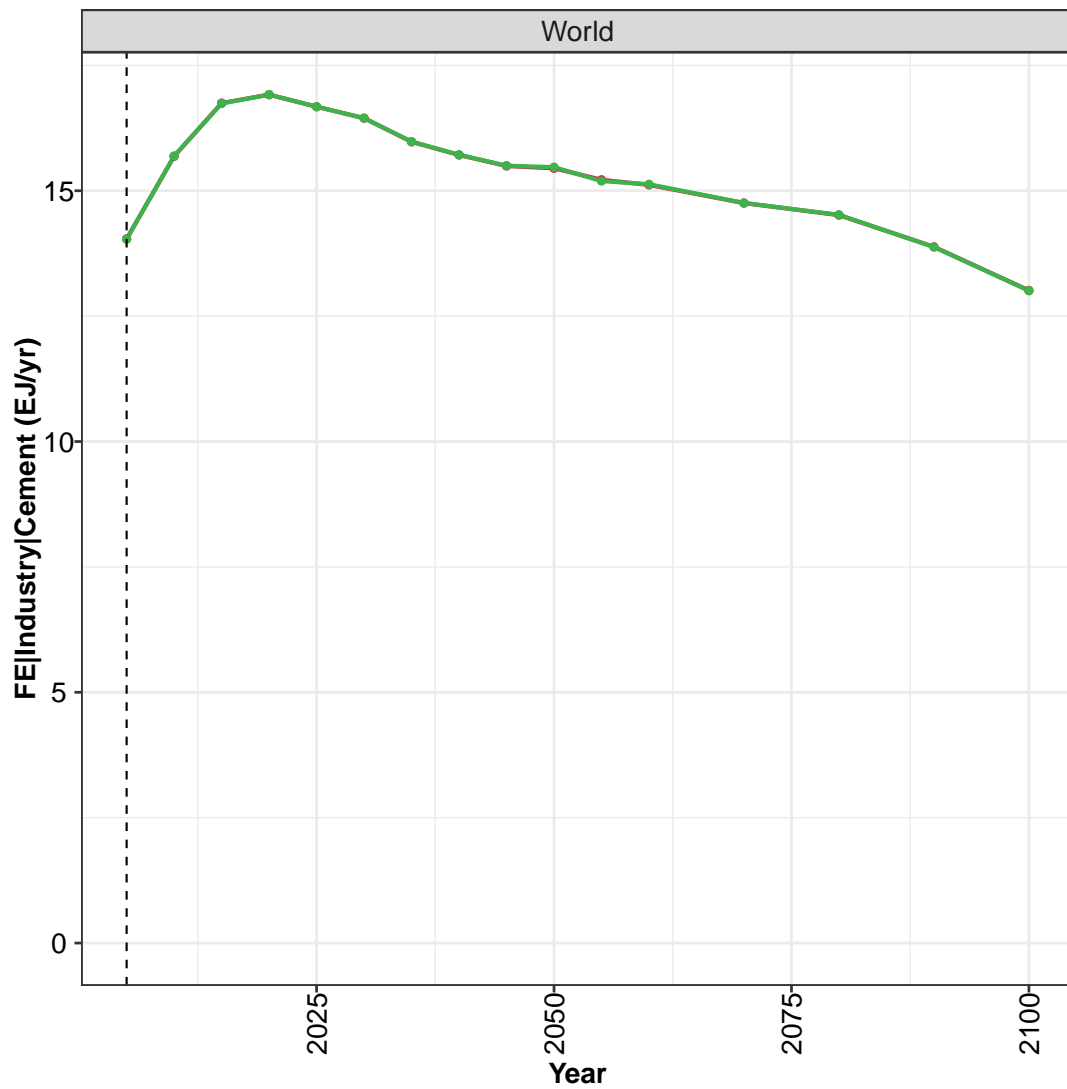




Model: REMIND

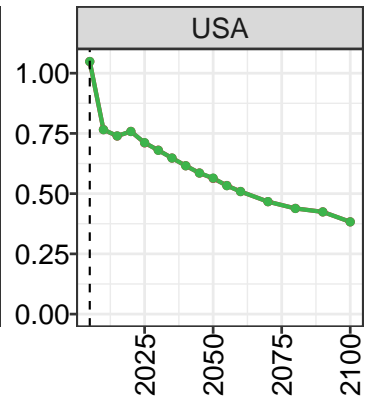
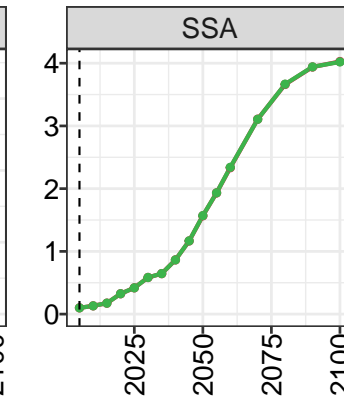
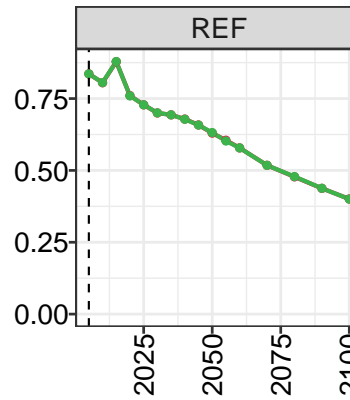
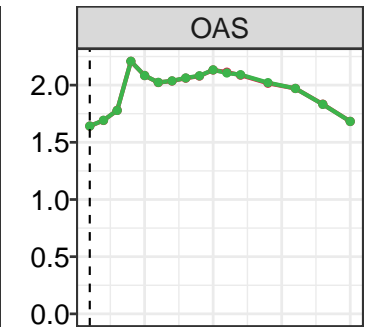
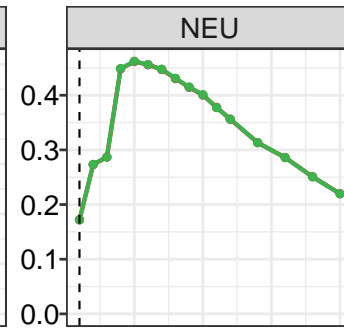
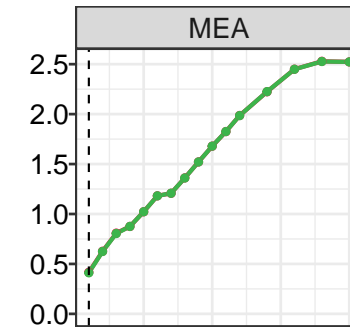
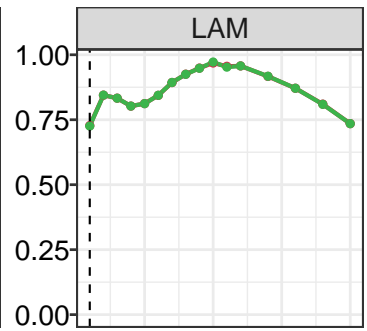
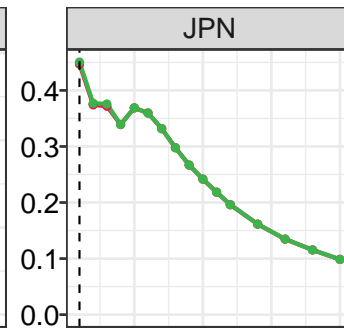
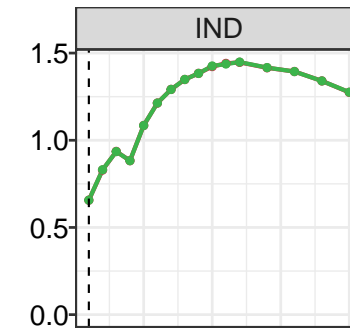
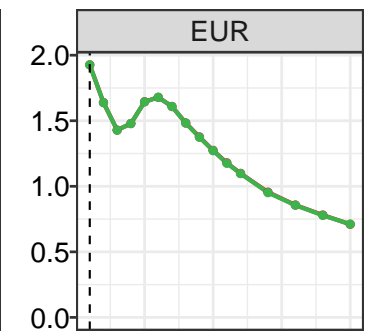
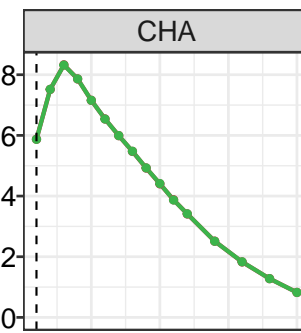
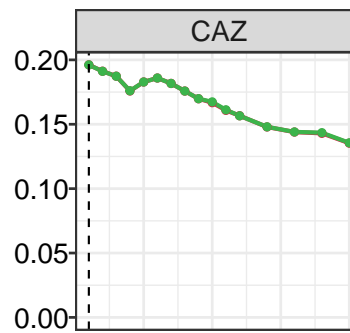
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

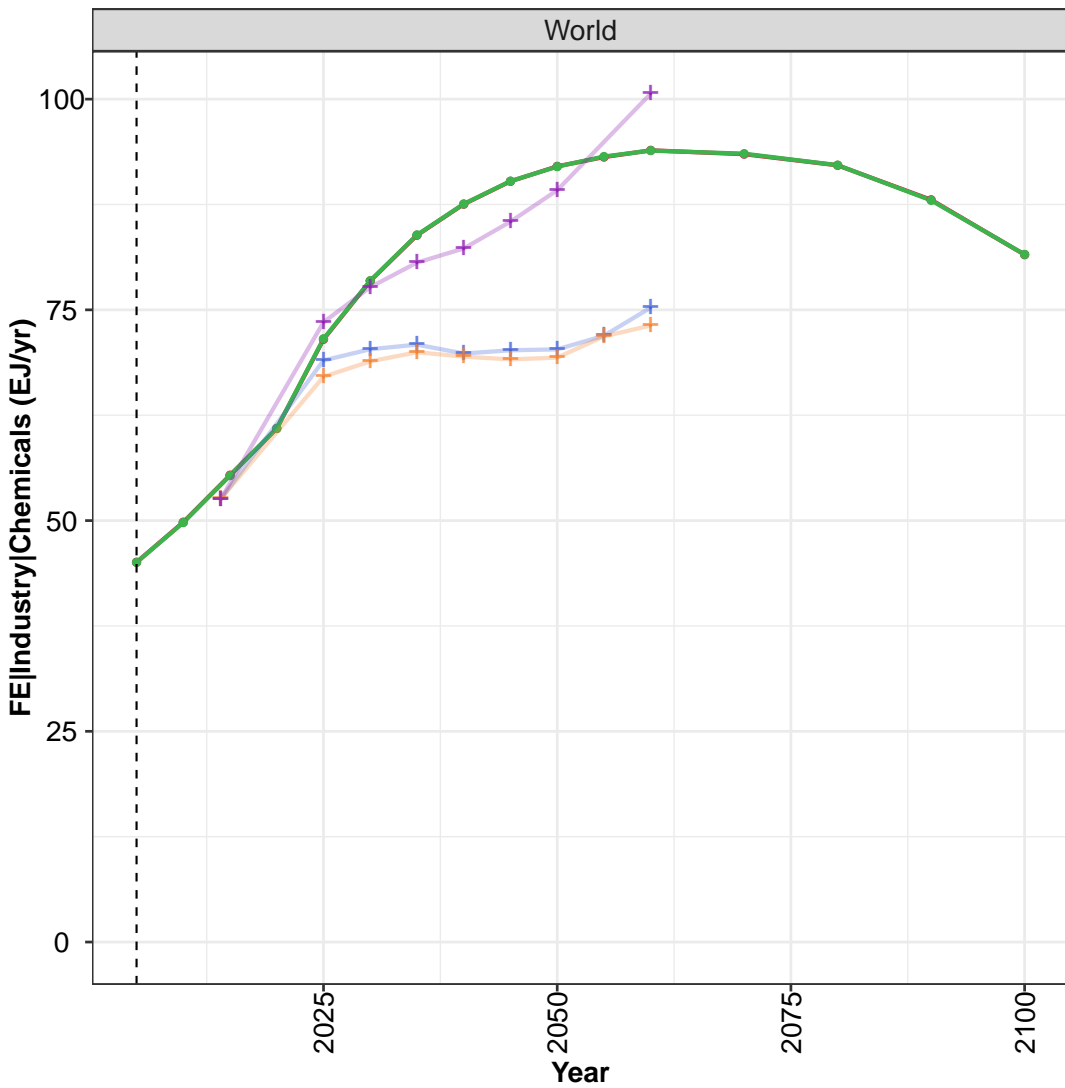




Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



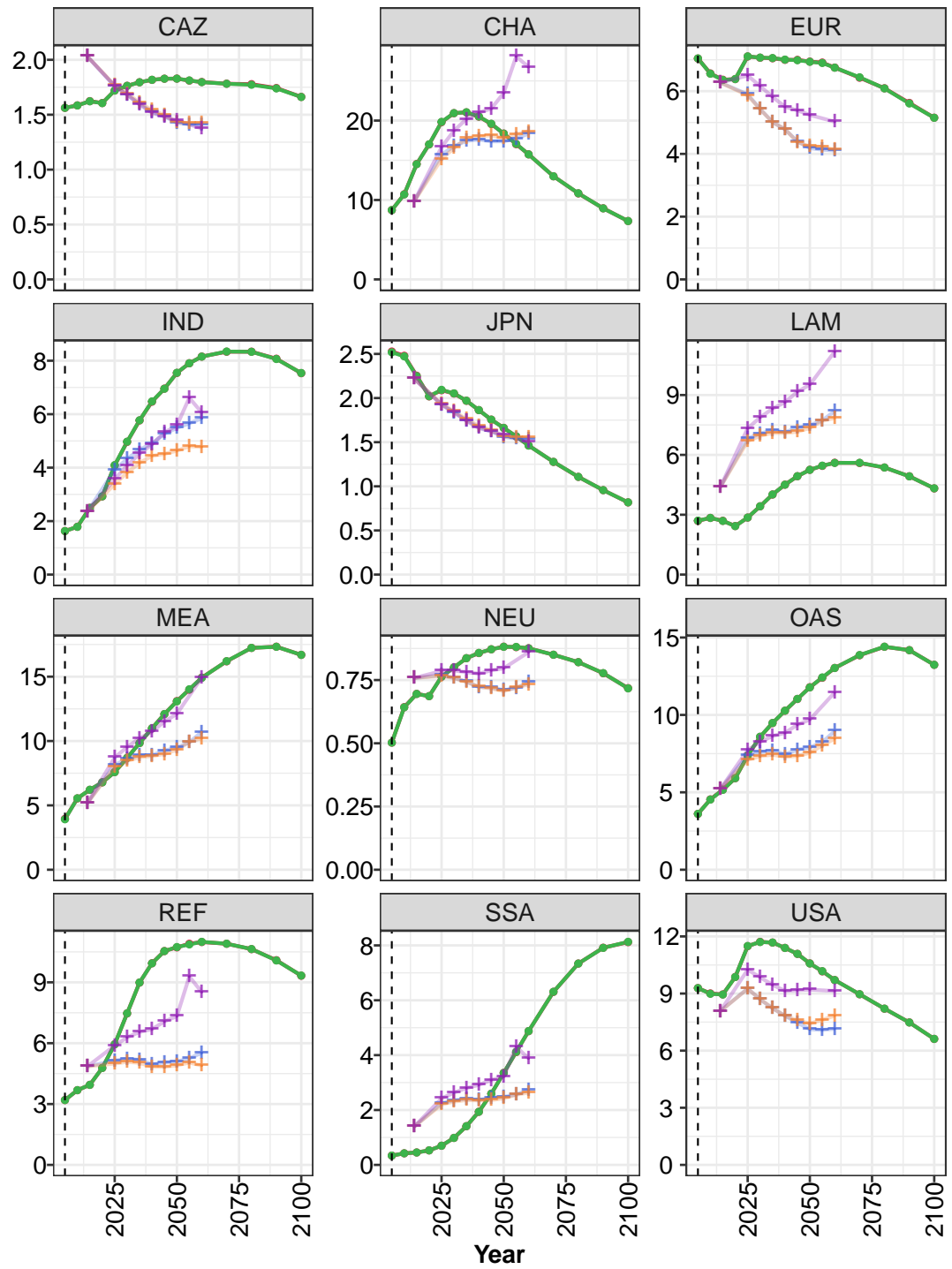


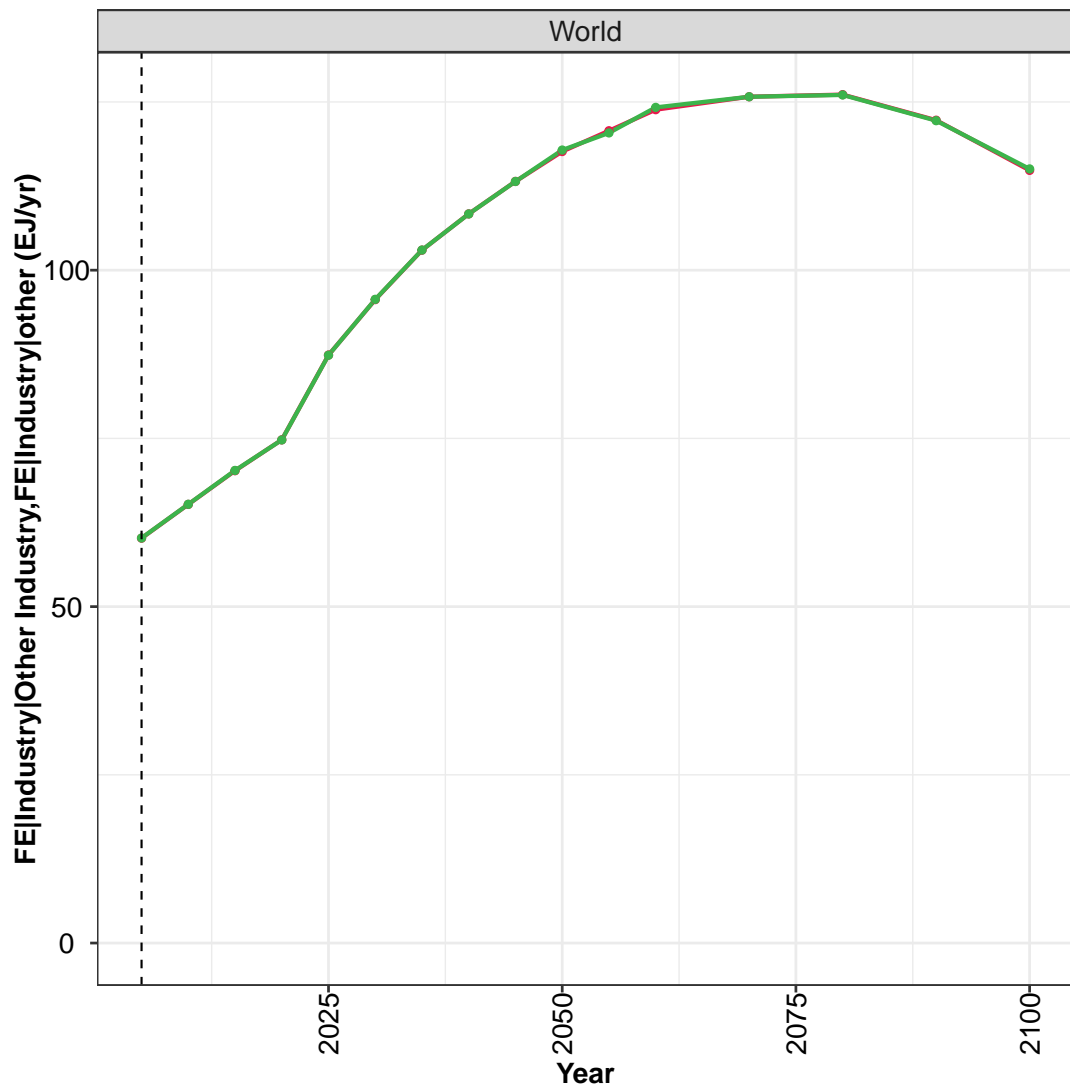
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

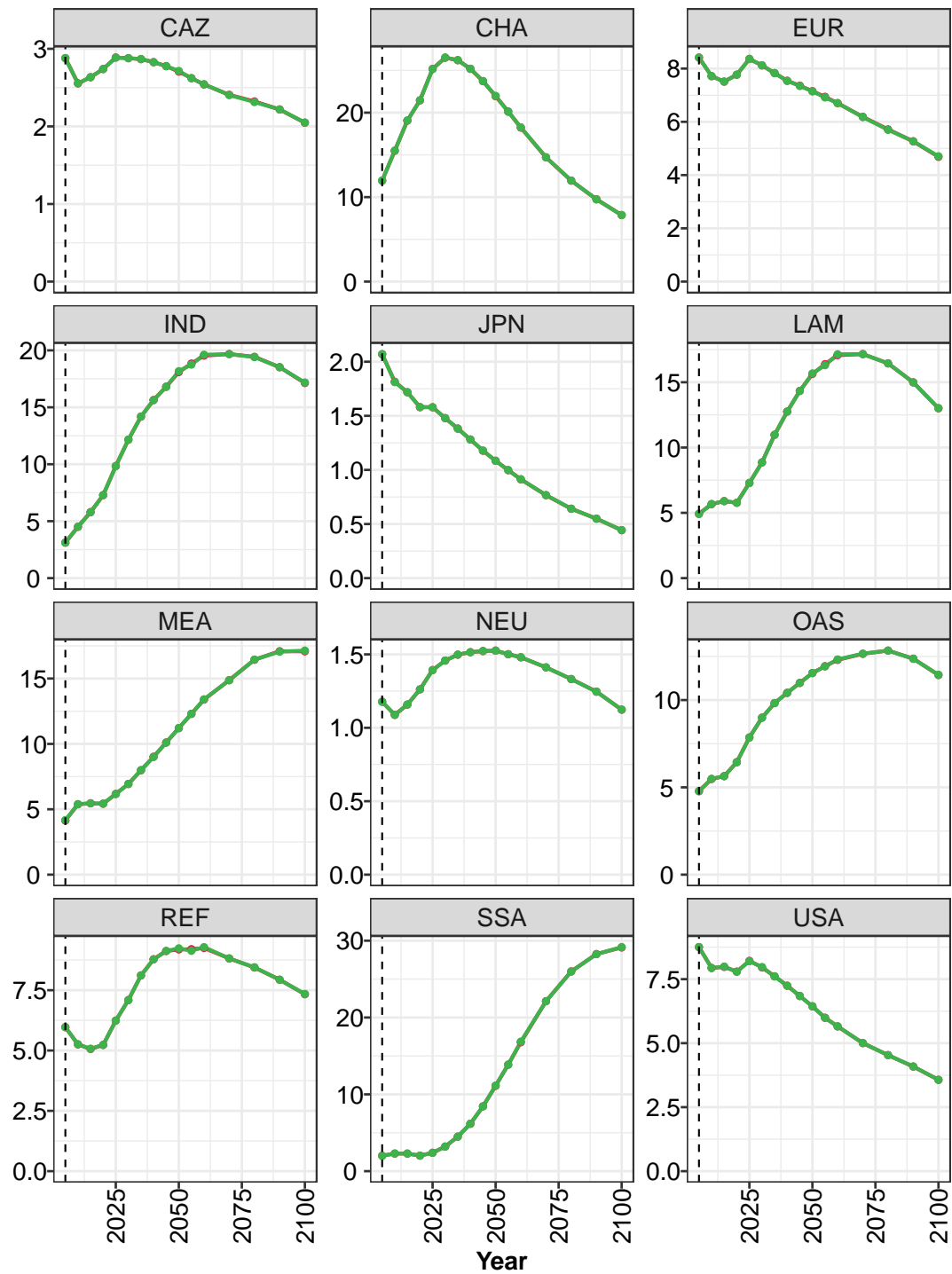
- + IEA ETP 2DS
- + IEA ETP B2DS
- + IEA ETP RTS



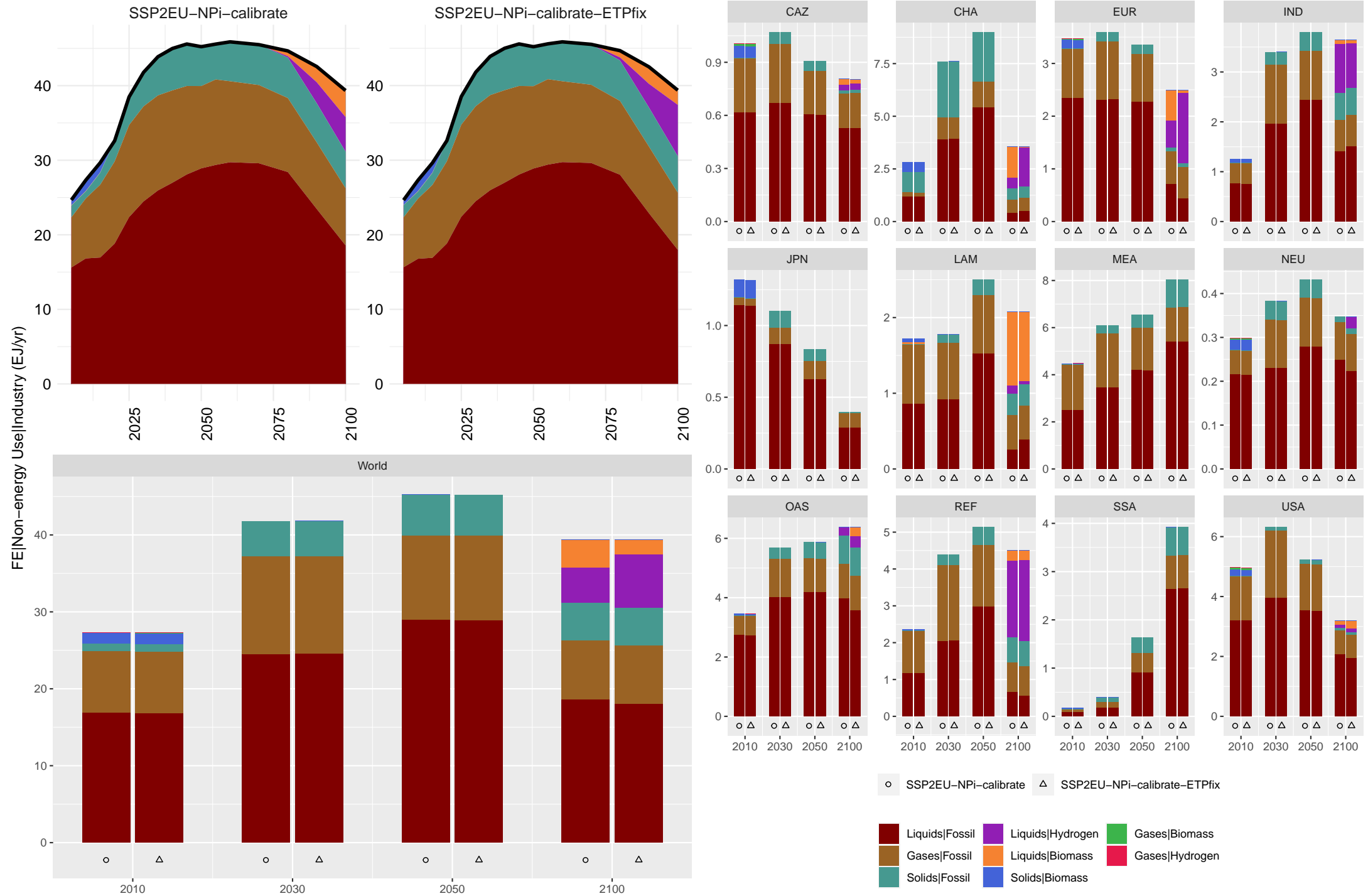


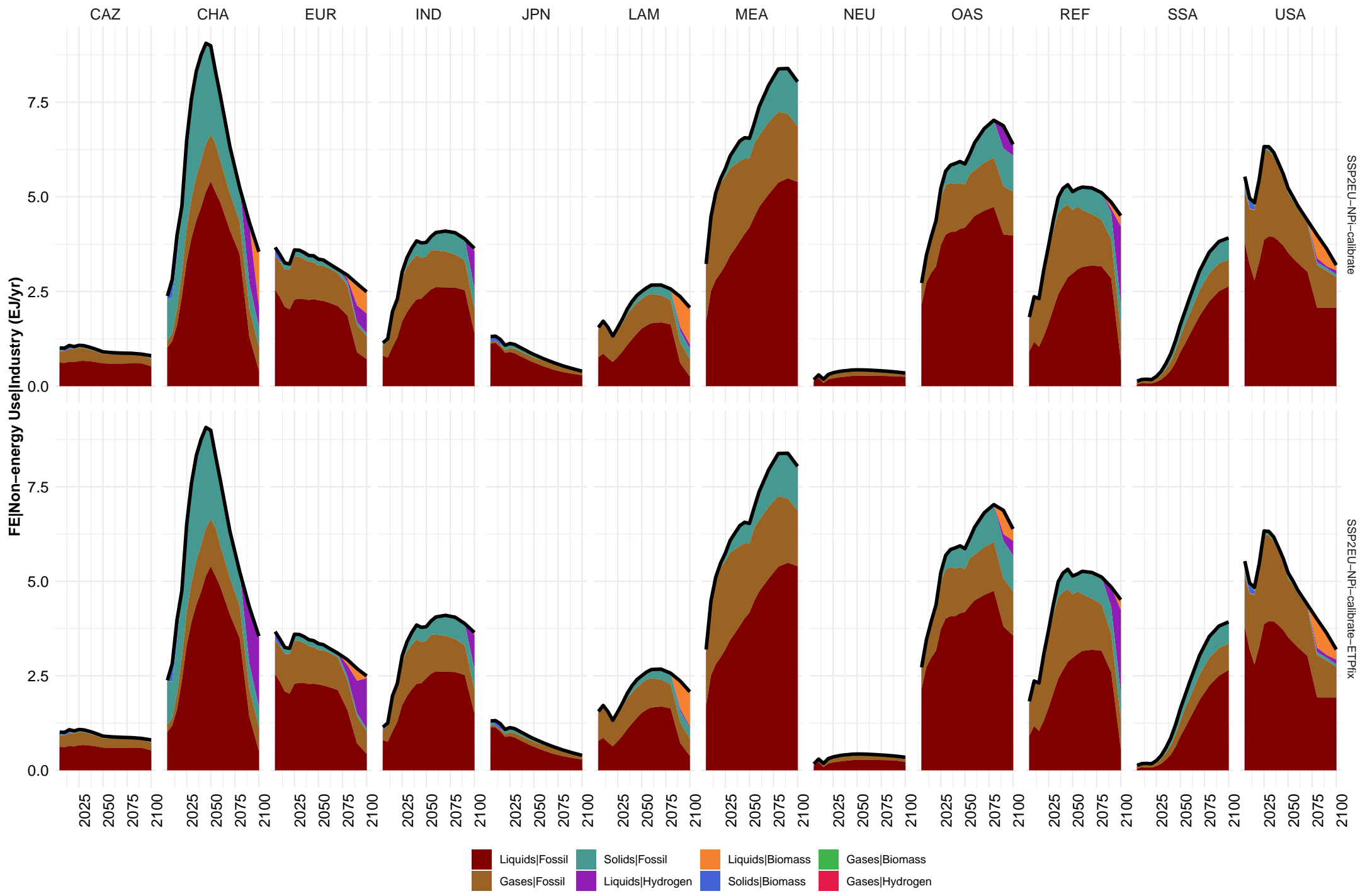
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

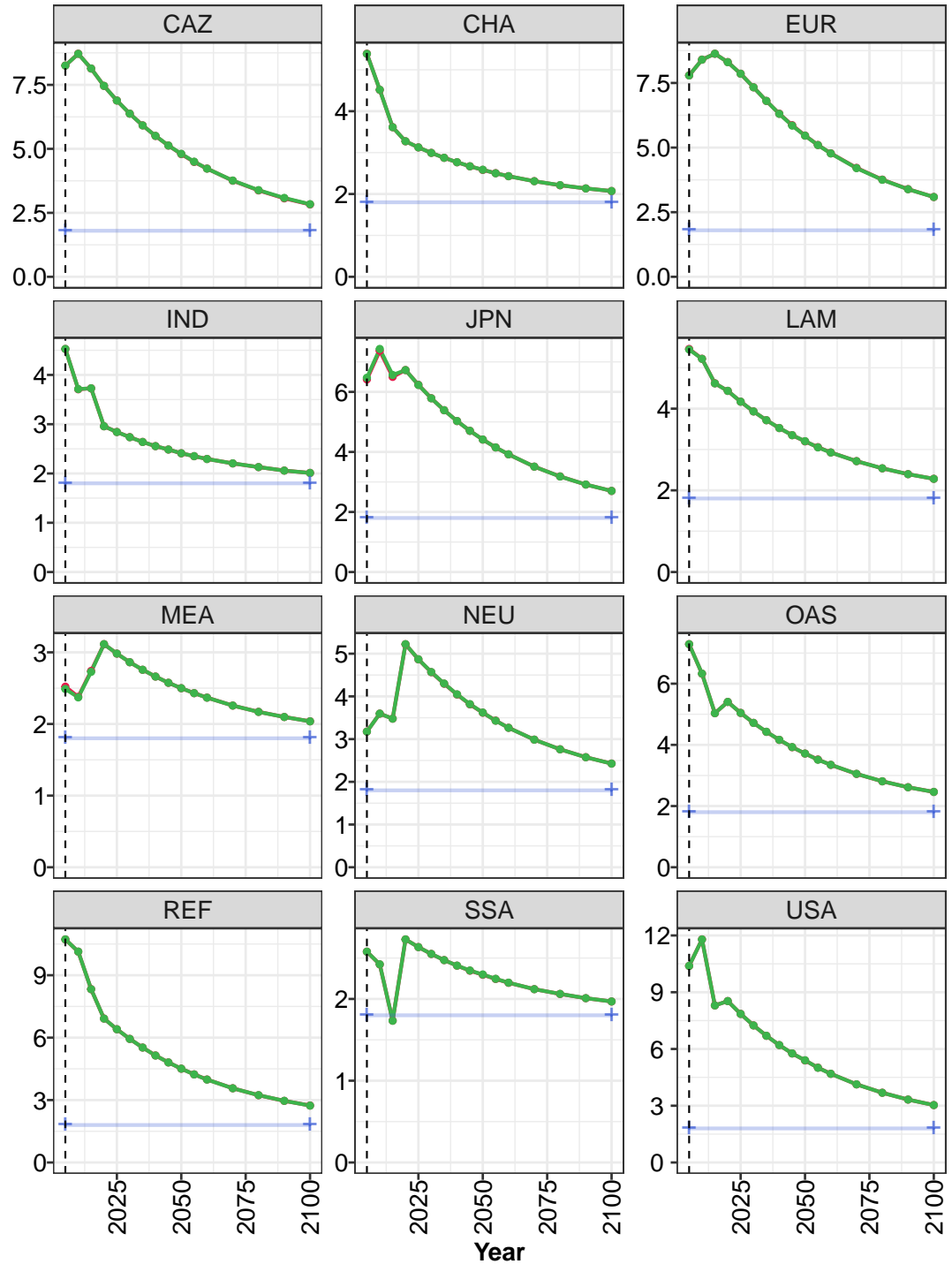
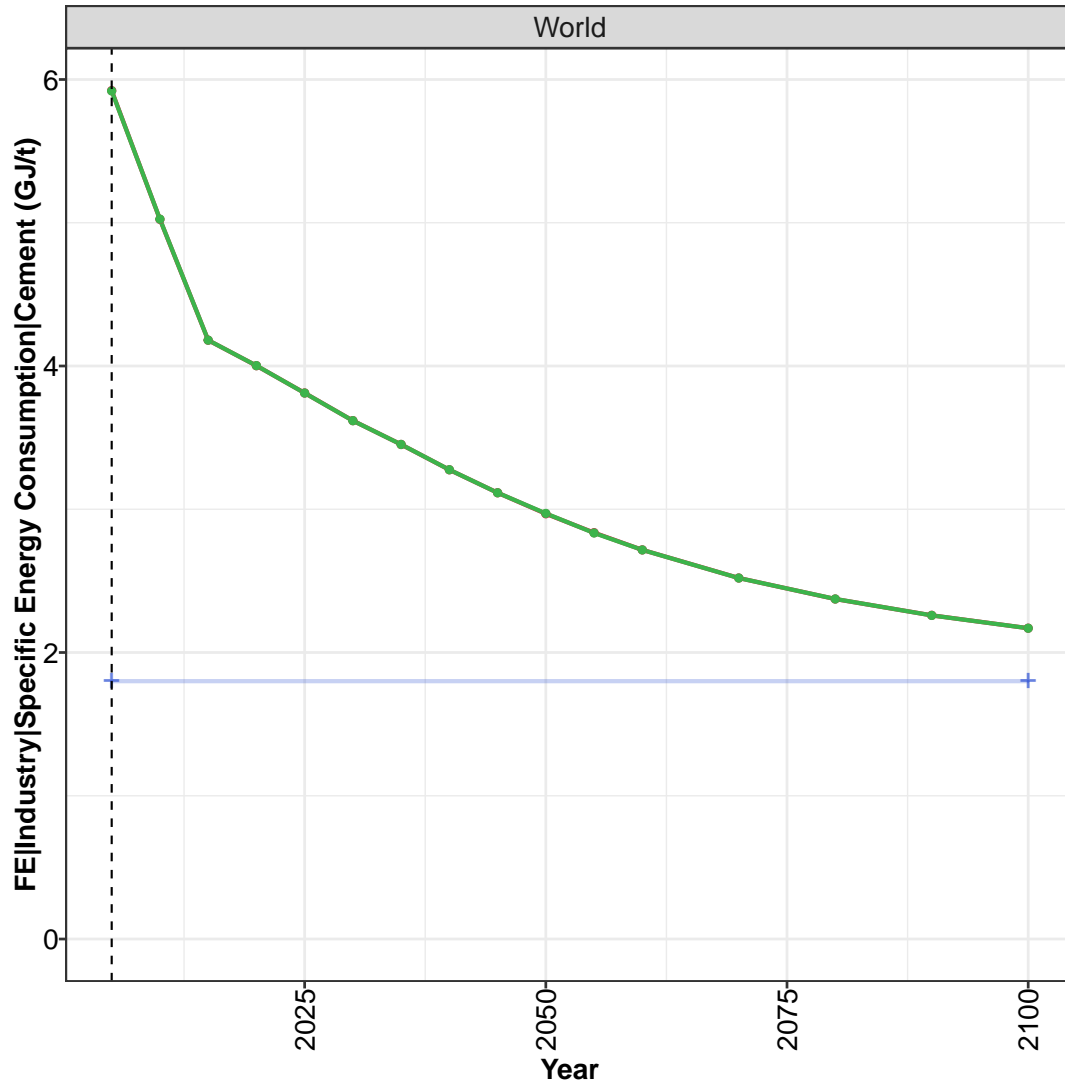


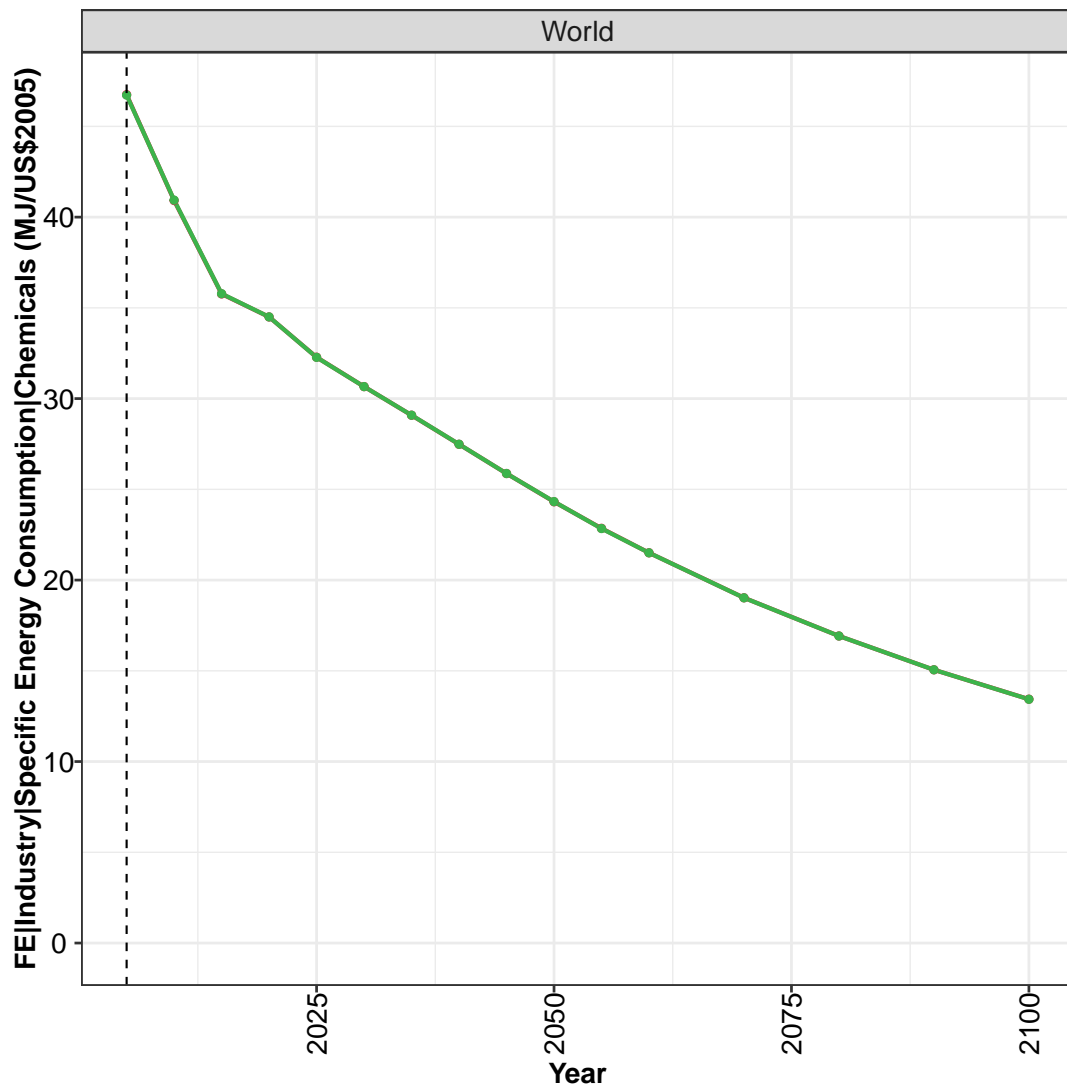
5.3.10 FE Non-energy Use Industry per carrier and SE origin





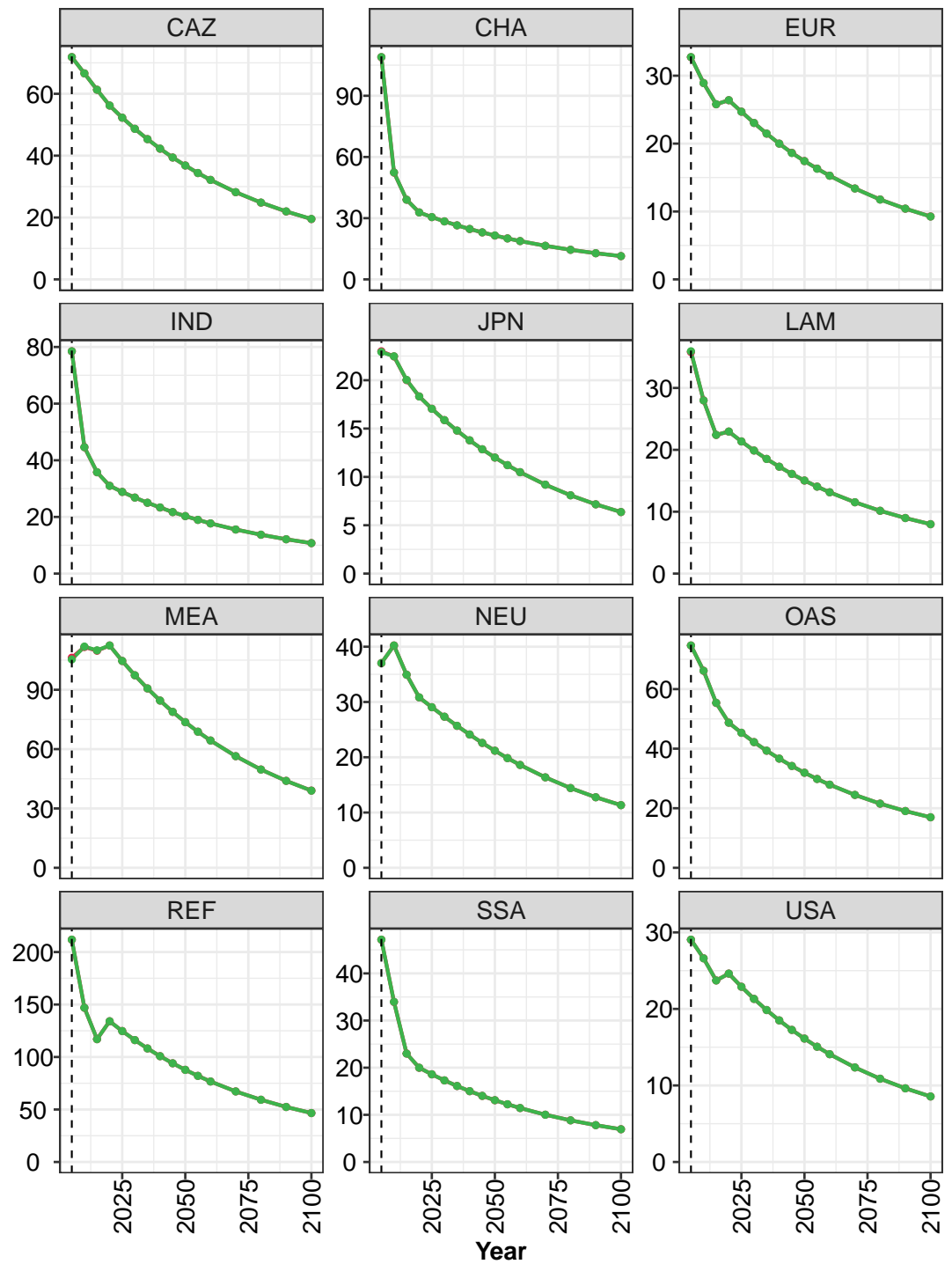
5.3.11 Specific Energy Consumption

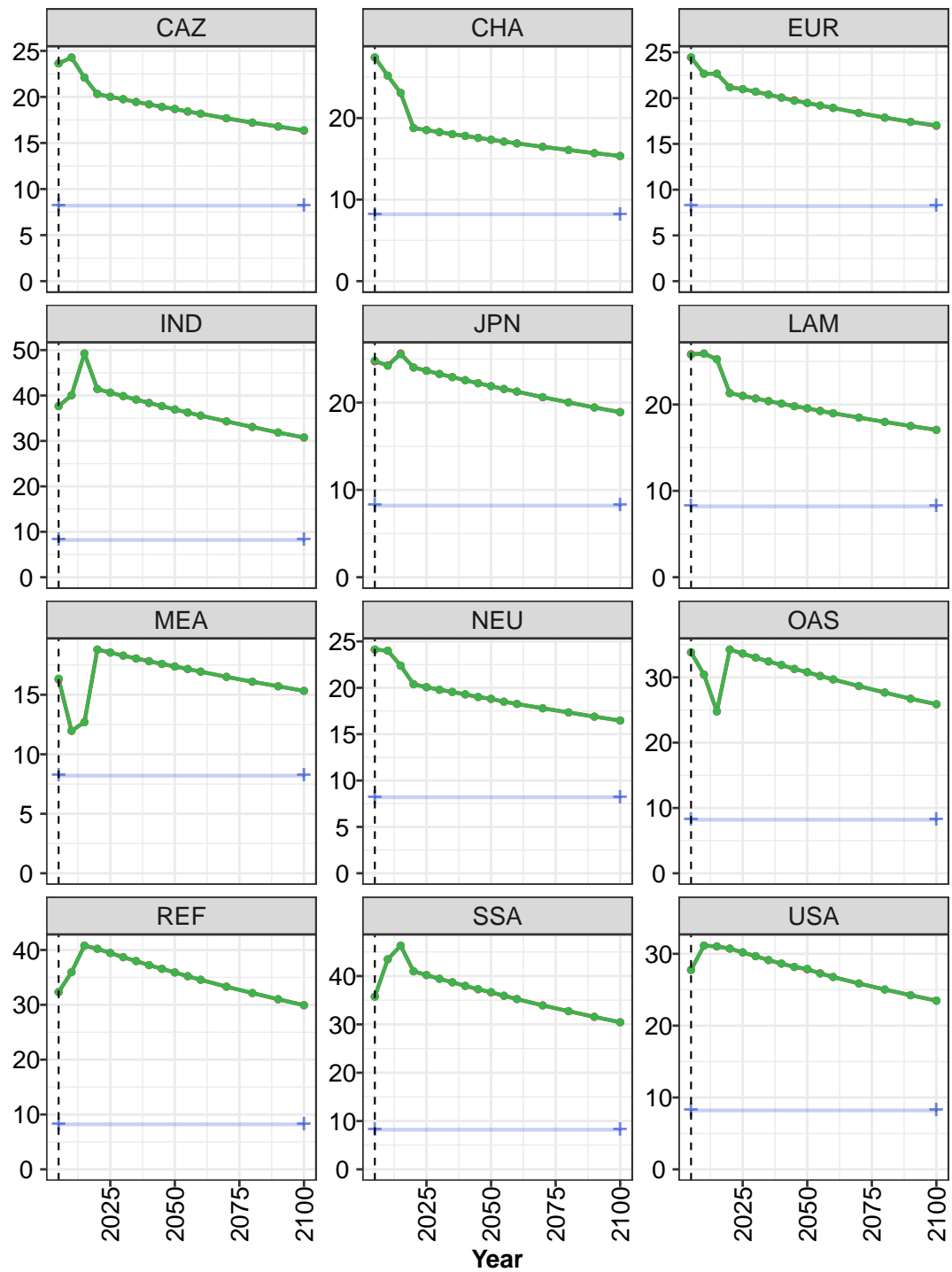
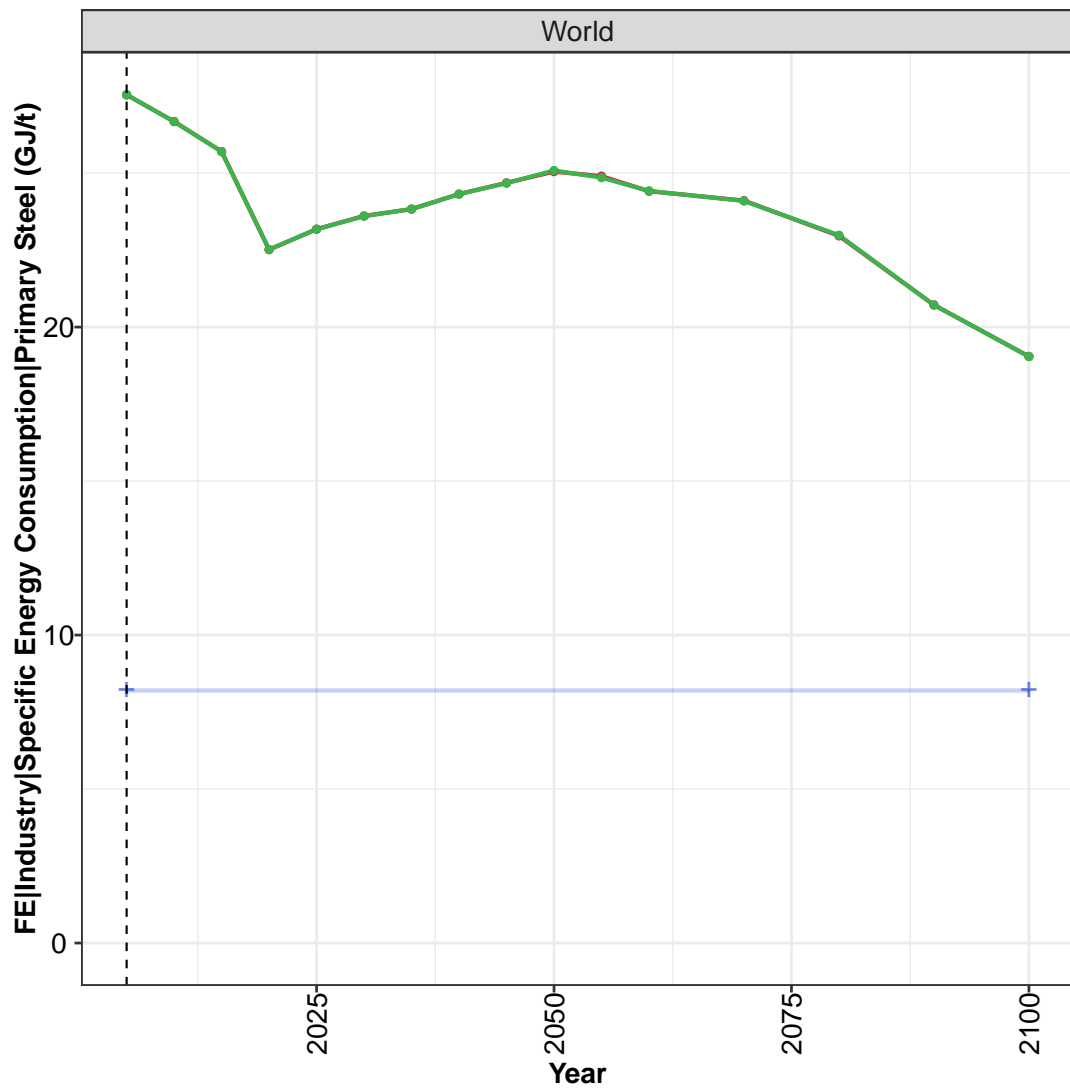




Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



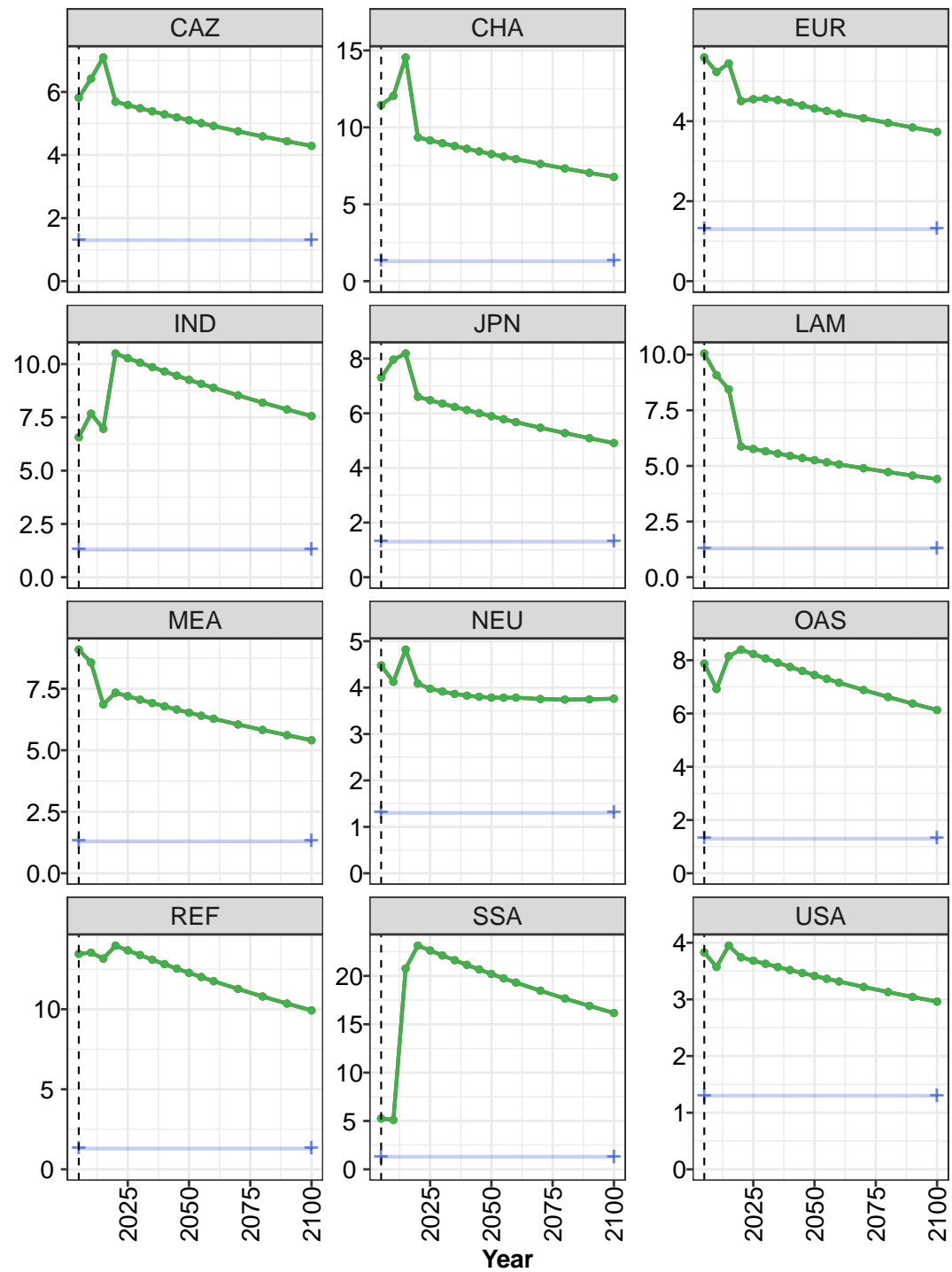
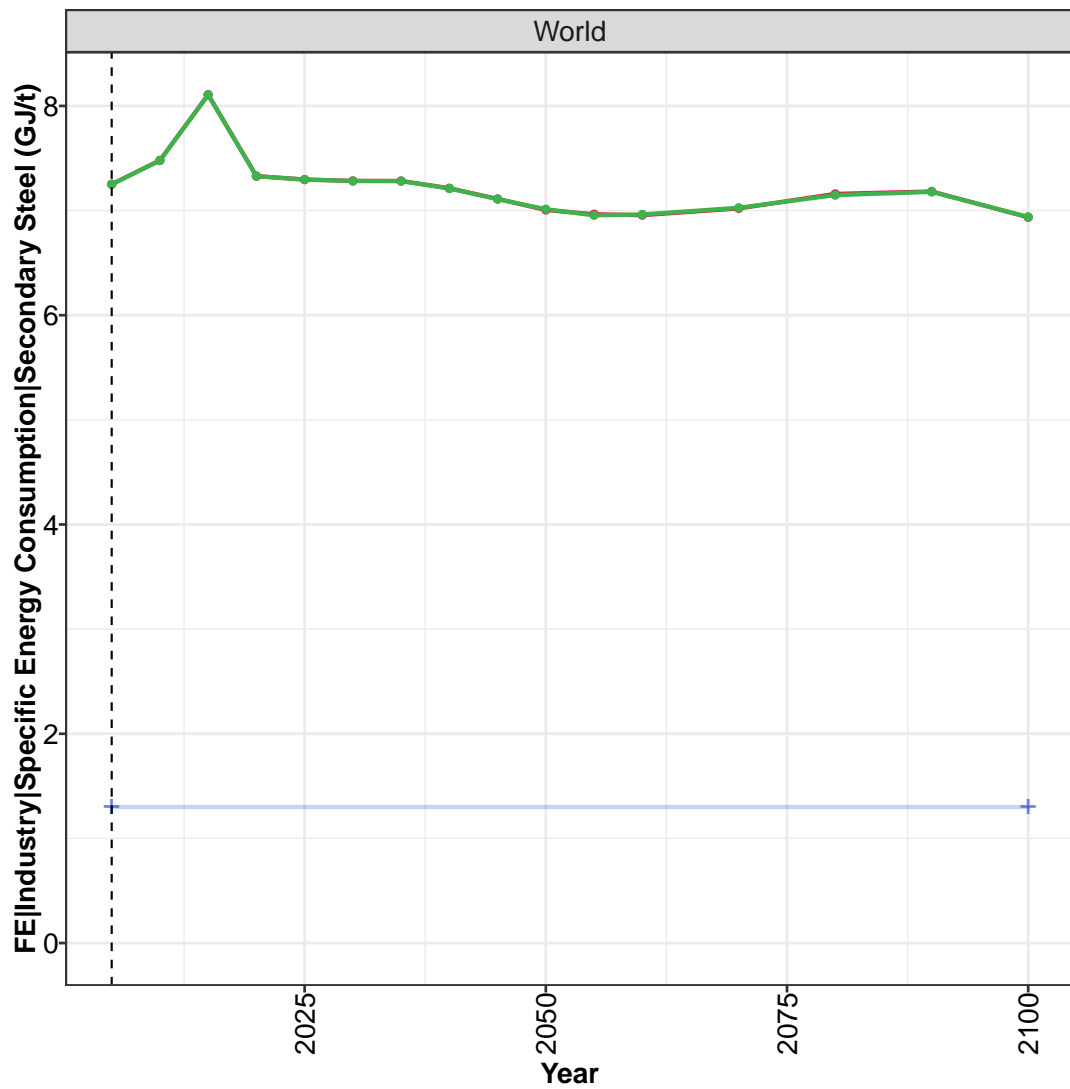


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + Thermodynamic limit for primary steel

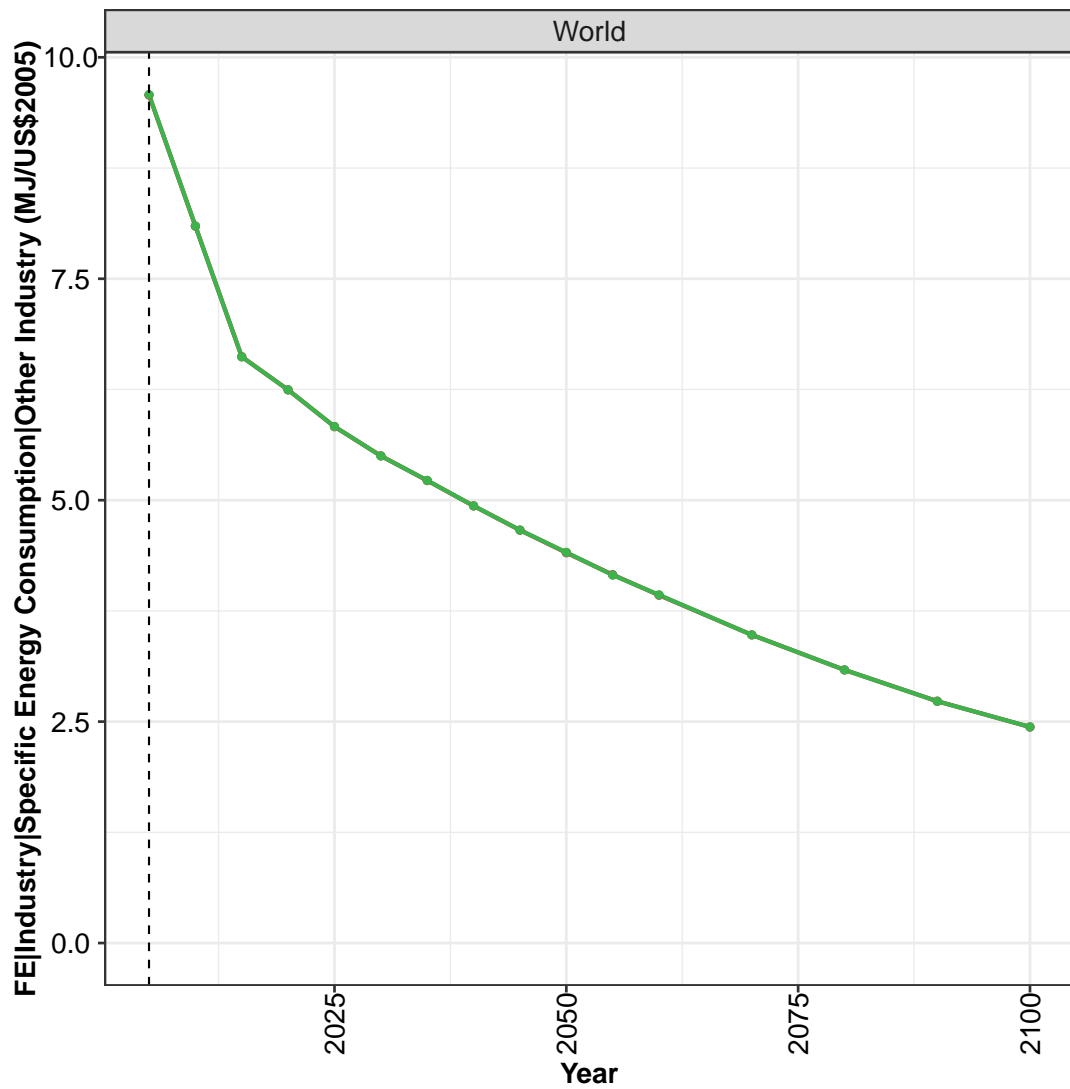


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

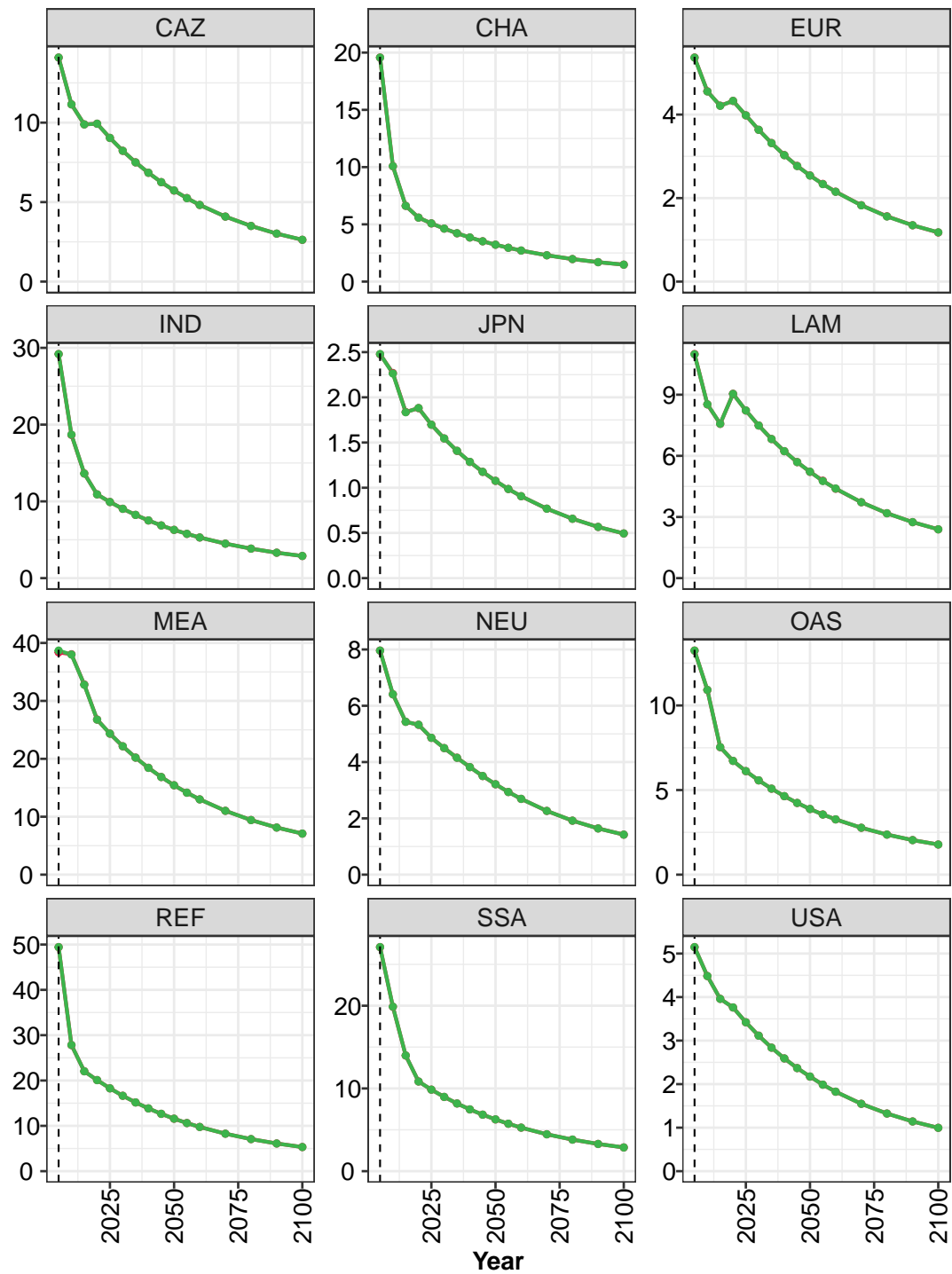
Historical data

- + Thermodynamic limit for secondary steel



Model: REMIND

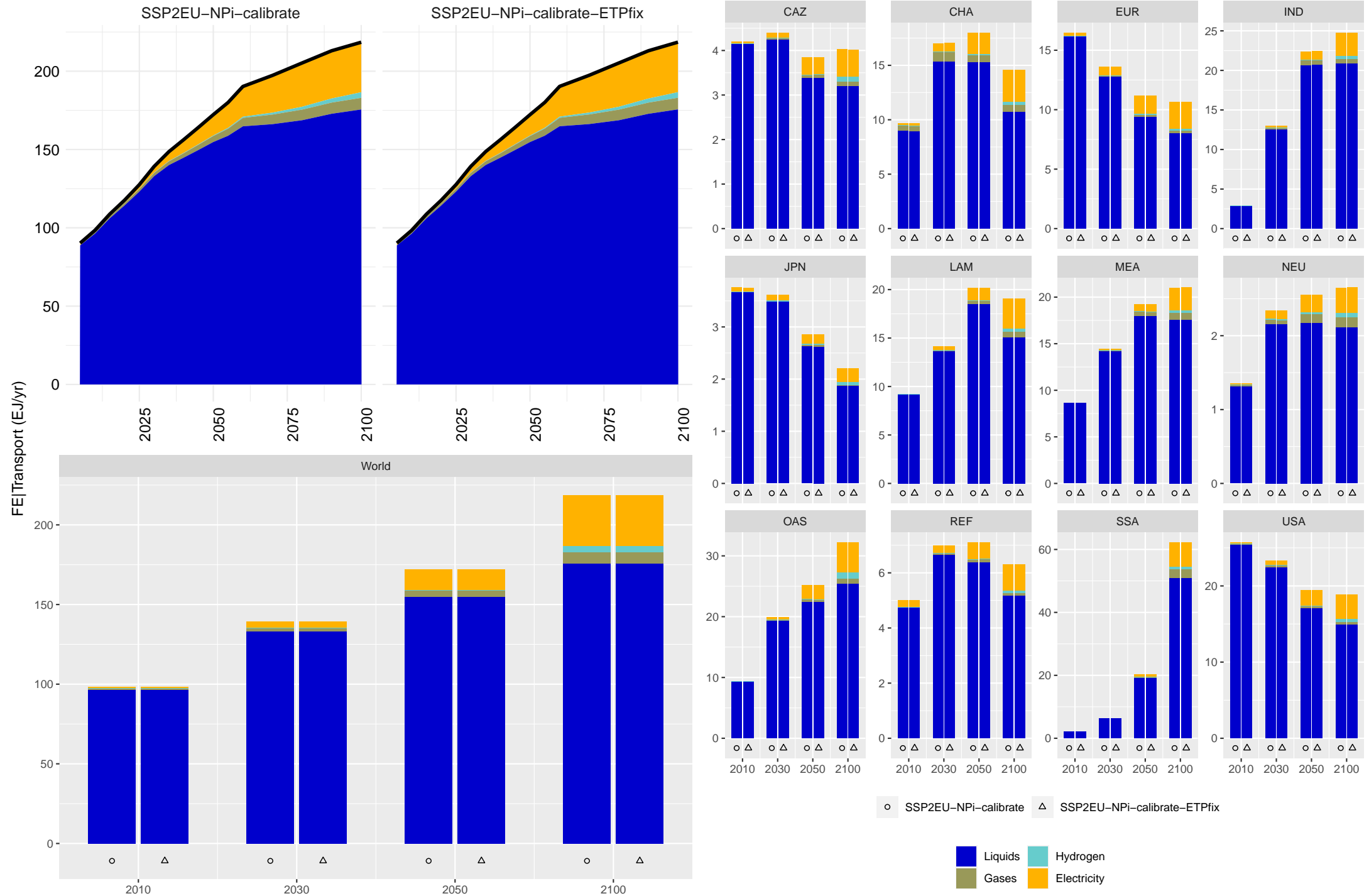
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

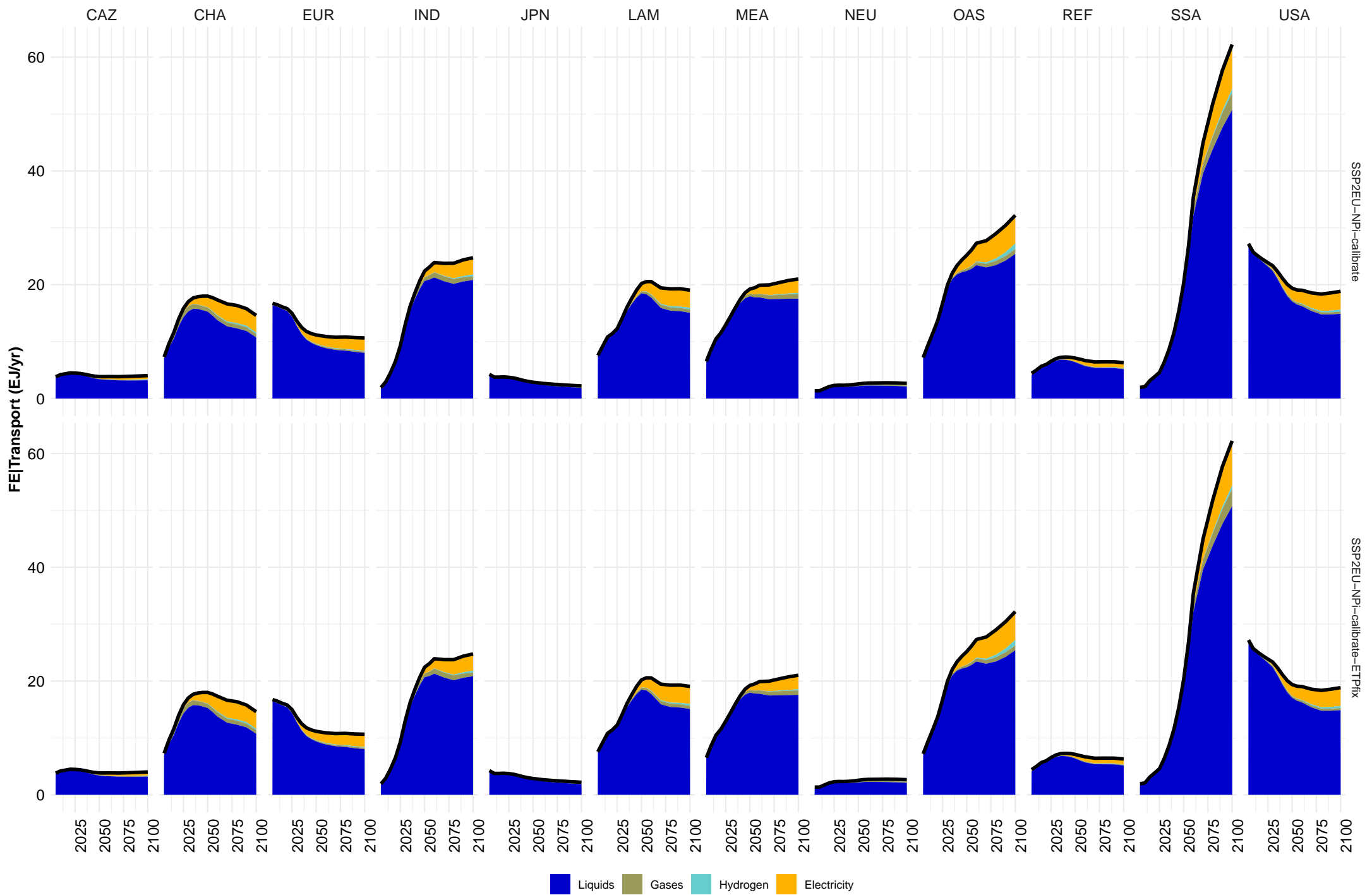


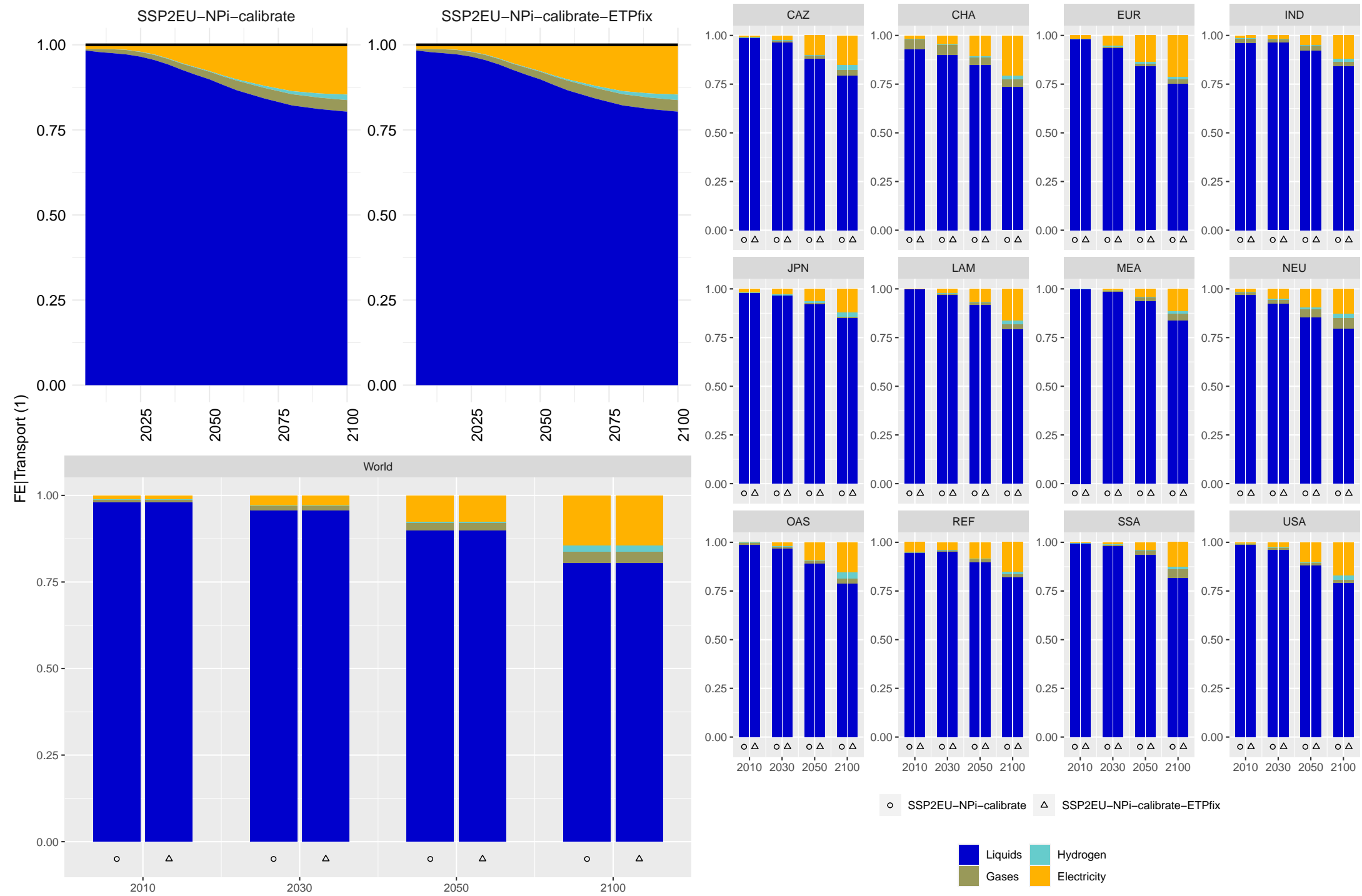
5.4 Transport Final Energy

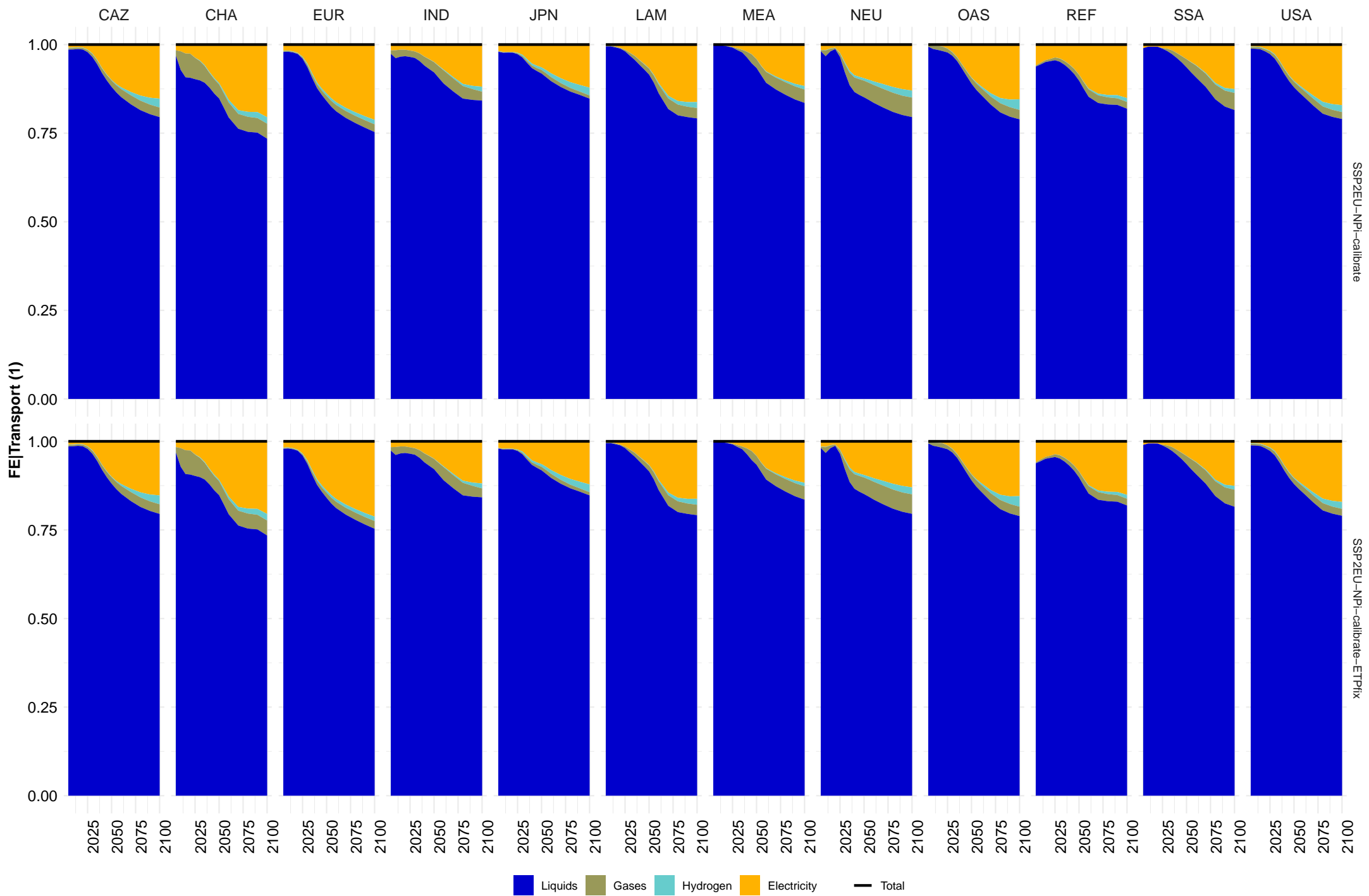
5.4.1 Basics – with Bunkers

5.4.1.1 FE Transport Area Plots – with Bunkers



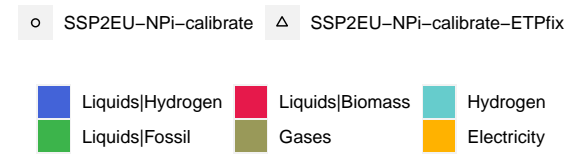
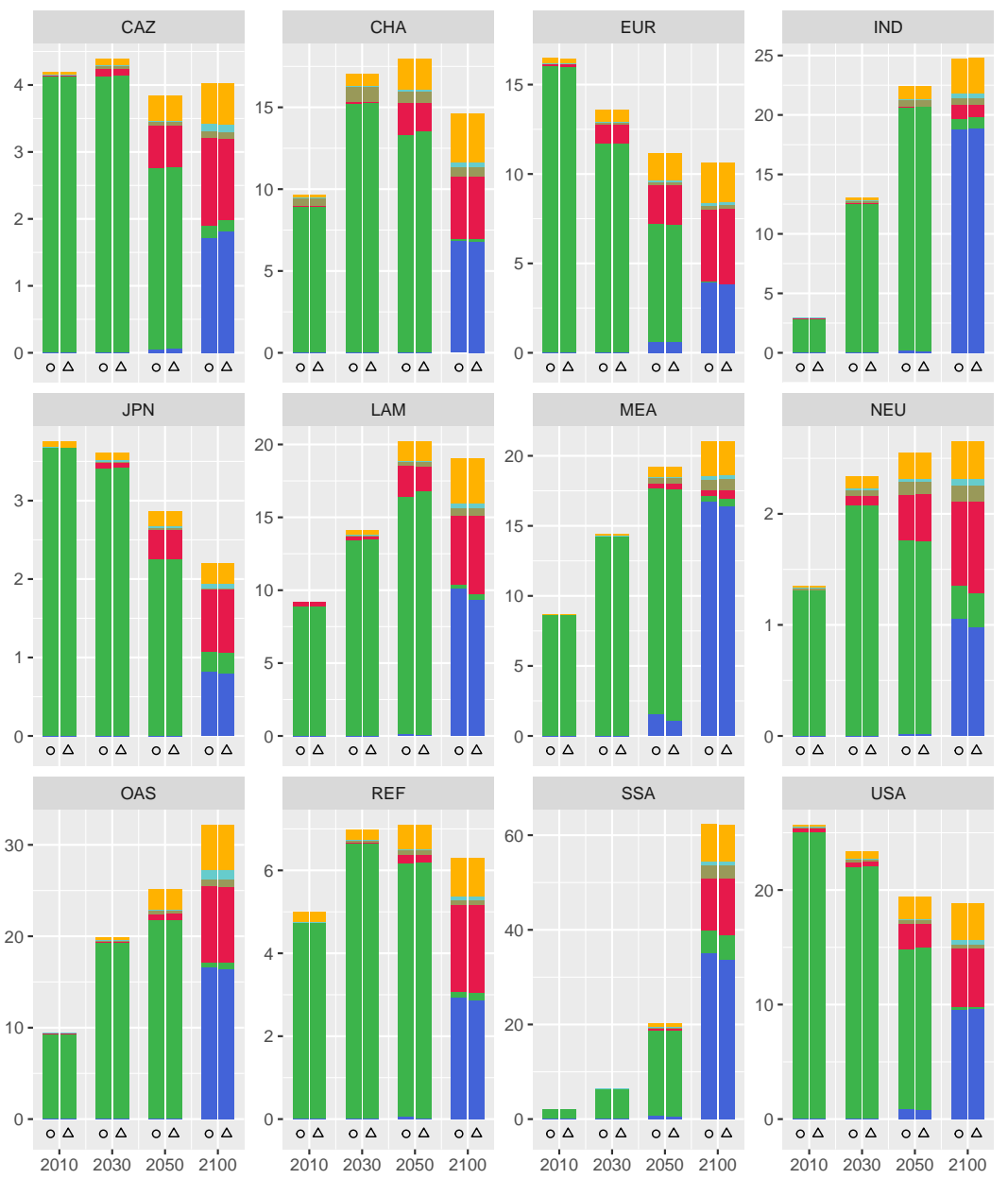
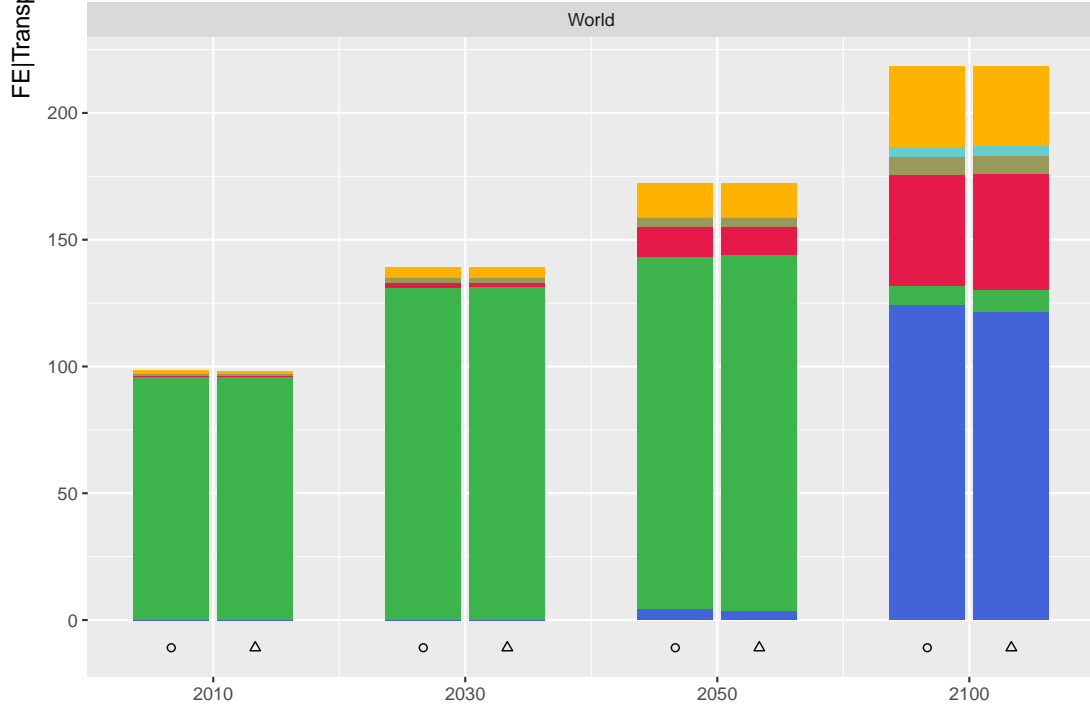
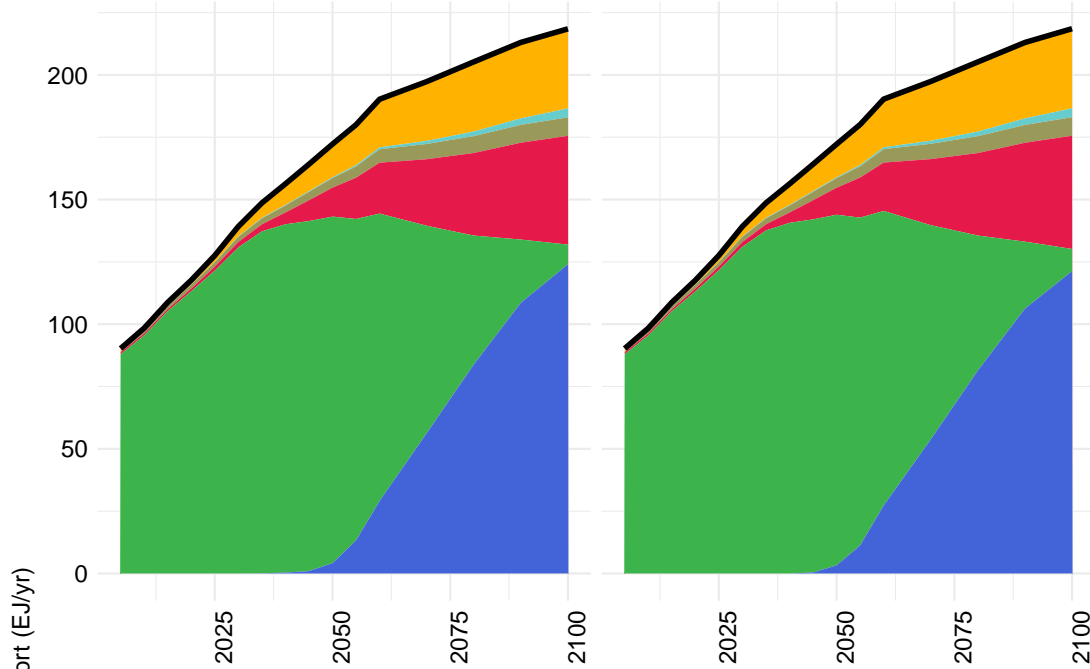


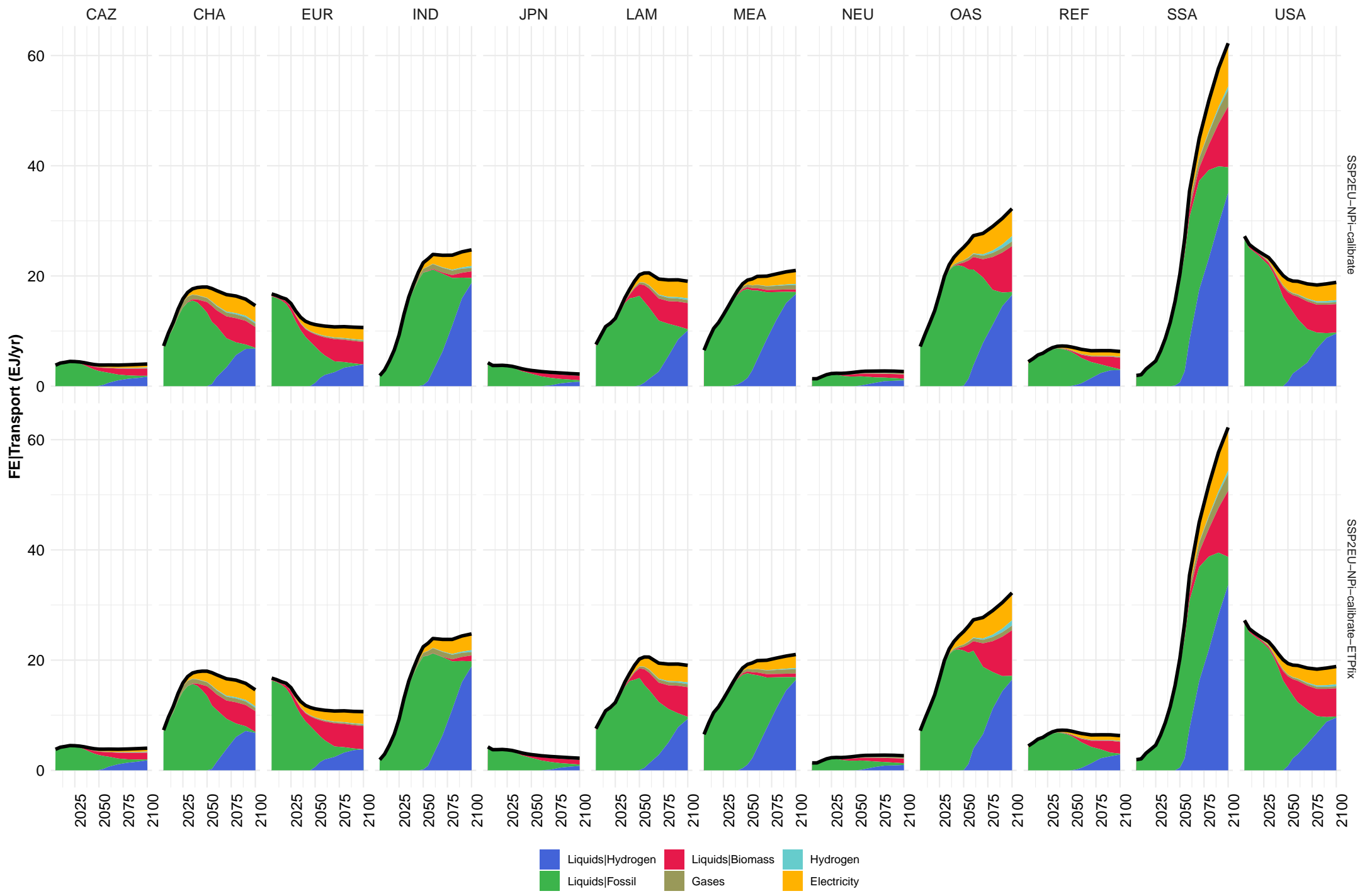




SSP2EU-NPi-calibrate

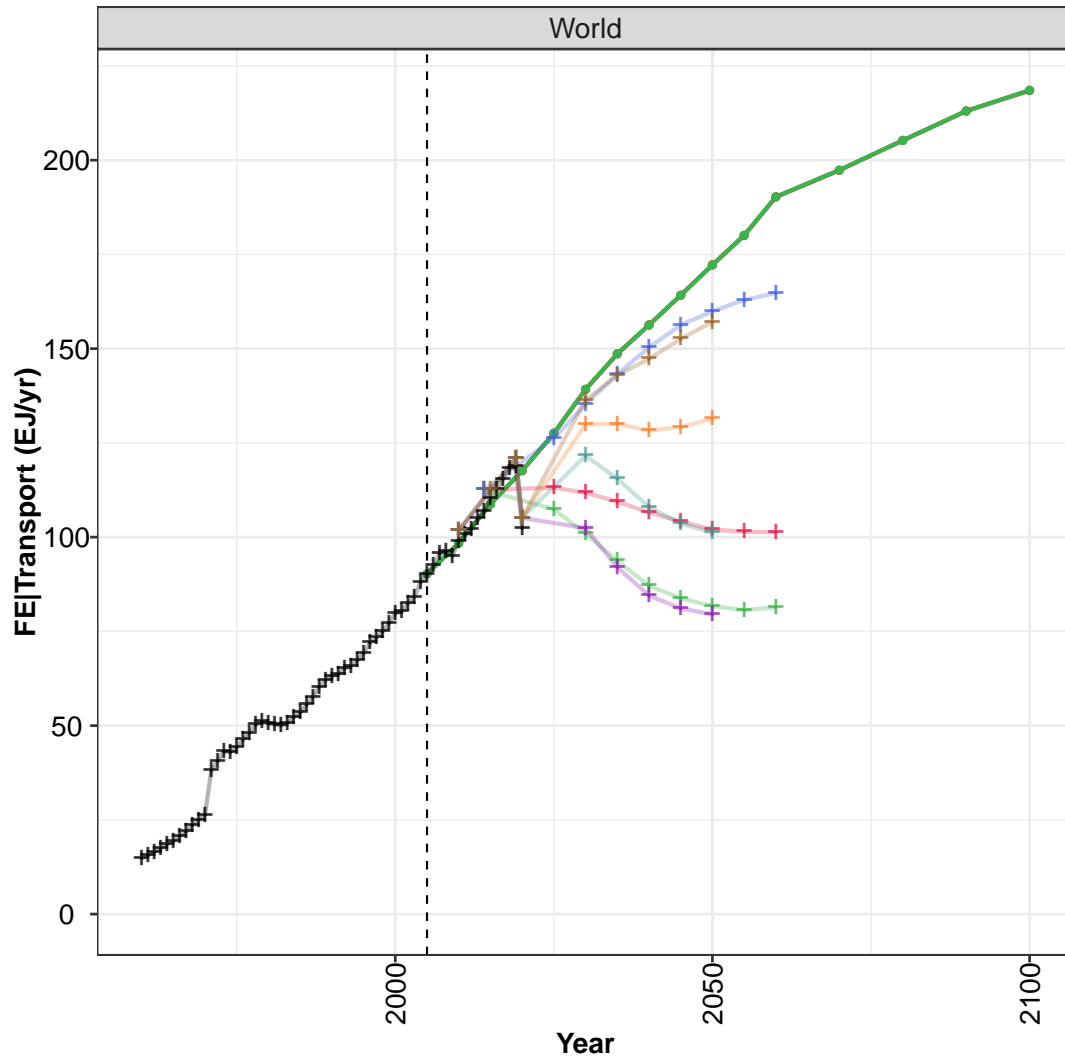
SSP2EU-NPi-calibrate-ETPfix





5.4.1.2 FE Transport Liquid Area Plots – with Bunkers

5.4.1.3 FE Transport Line Plots – with Bunkers

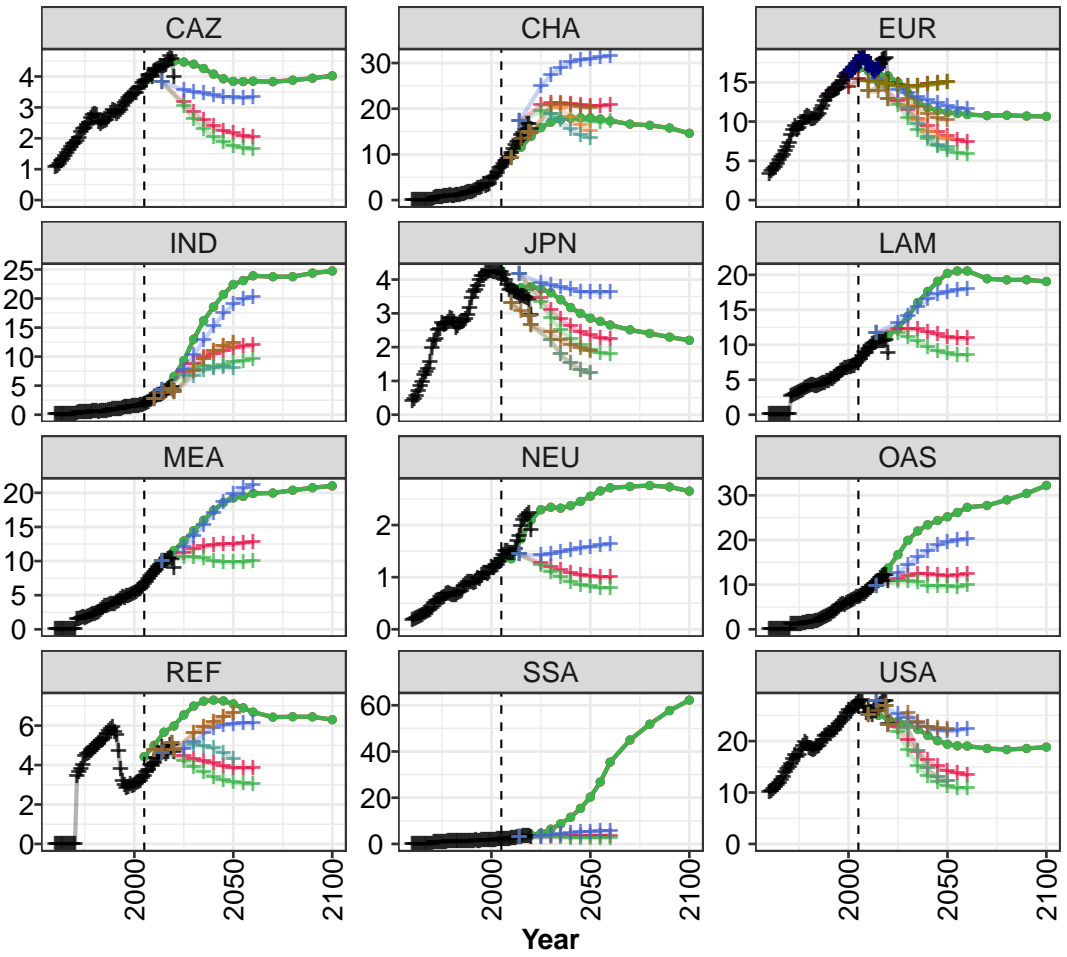


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + IEA
- + IEA ETP 2DS
- + IEA ETP B2DS
- + IEA ETP RTS
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS

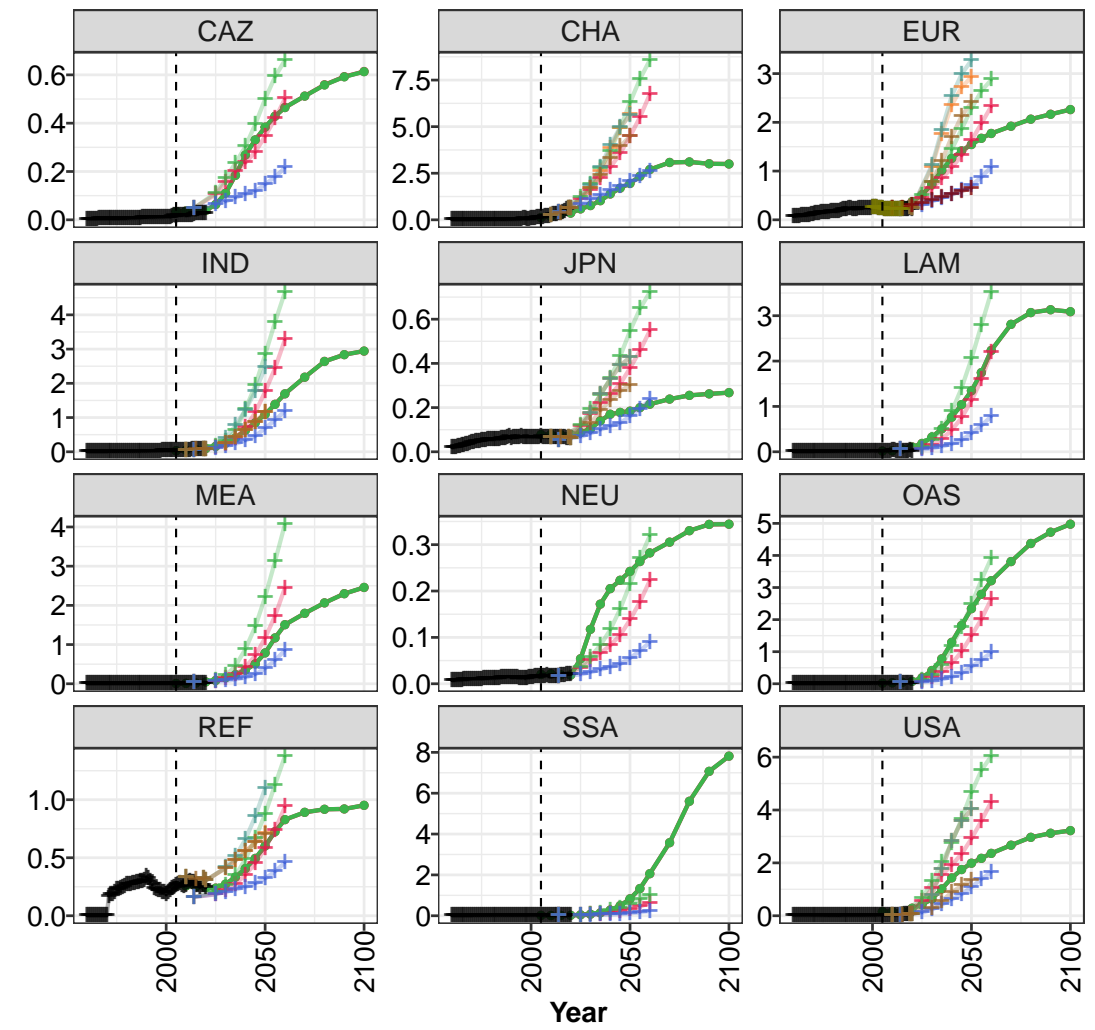
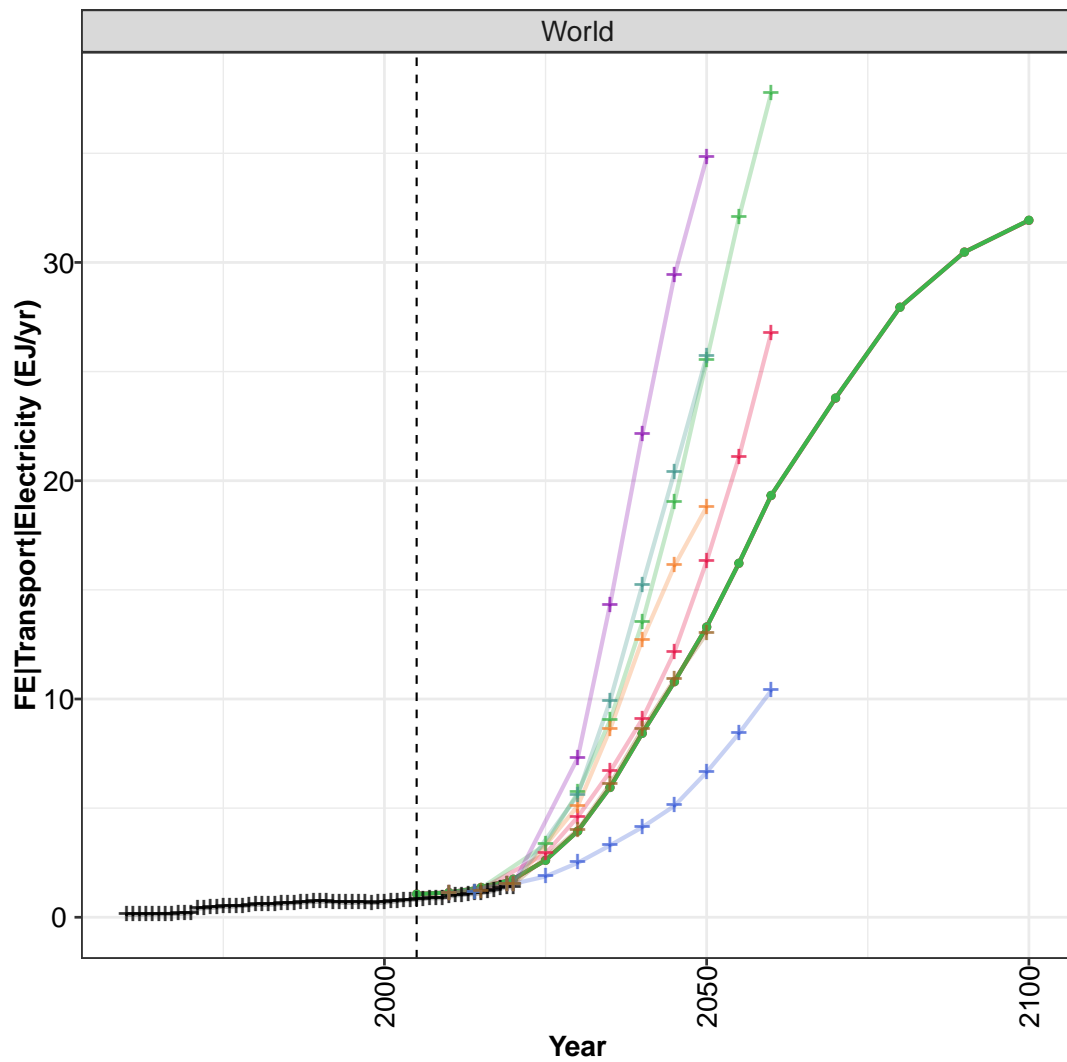


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + EU_ReferenceScenario_2016
- + Eurostat
- + IEA
- + IEA ETP 2DS
- + IEA ETP B2DS
- + IEA ETP RTS
- + IEA WEO 2021 APS
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS
- + INNOPATHS
- + JRC



Model: REMIND

- +— SSP2EU-NPi-calibrate
- +— SSP2EU-NPi-calibrate-ETPfix

Historical data

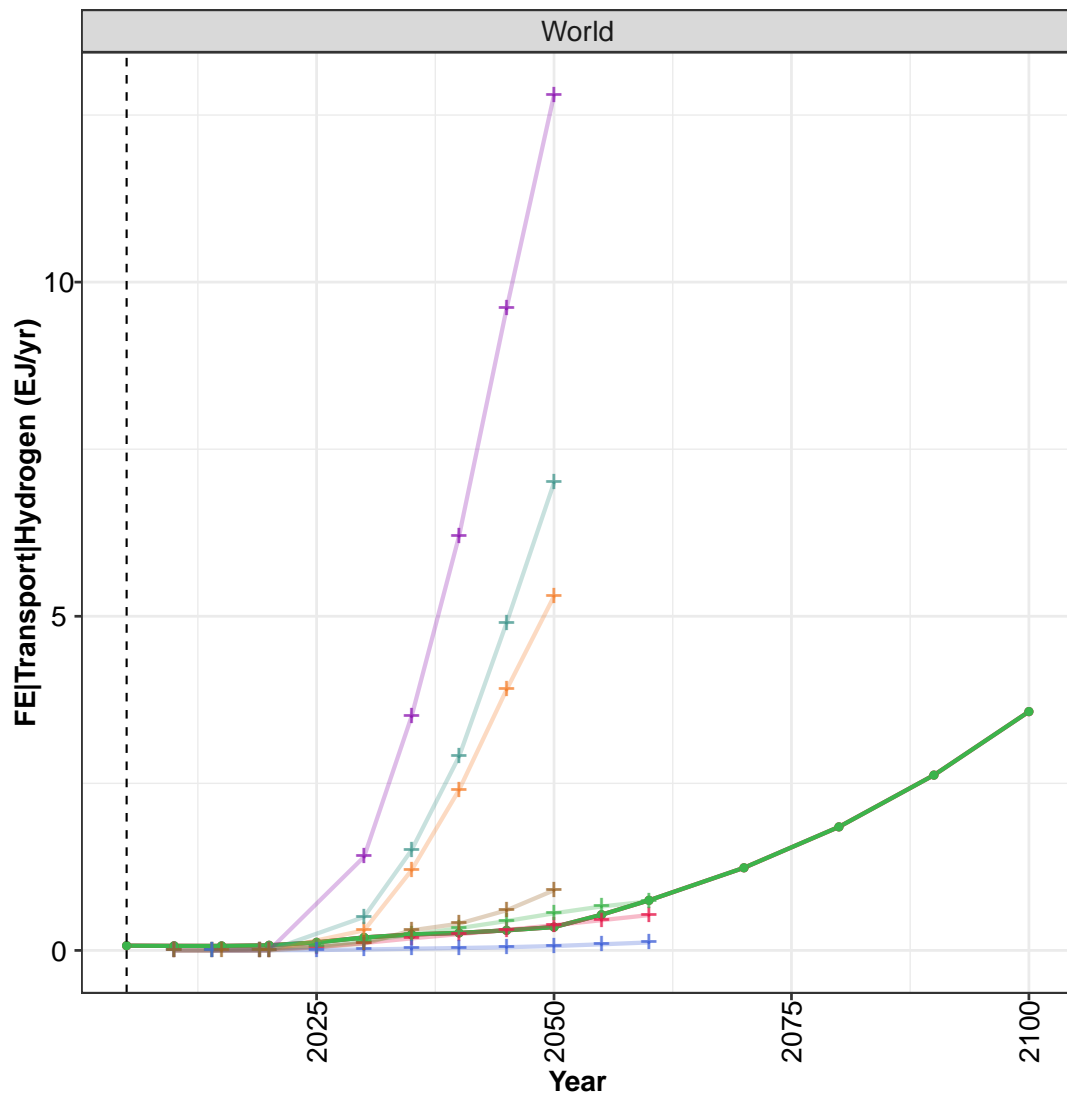
- + IEA
- + IEA ETP 2DS
- + IEA ETP B2DS
- + IEA ETP RTS
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS

Model: REMIND

- +— SSP2EU-NPi-calibrate
- +— SSP2EU-NPi-calibrate-ETPfix

Historical data

- + IEA
- + IEA ETP 2DS
- + IEA ETP B2DS
- + IEA ETP RTS
- + IEA WEO 2021 APS
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS
- + INNOPATHS
- + JRC

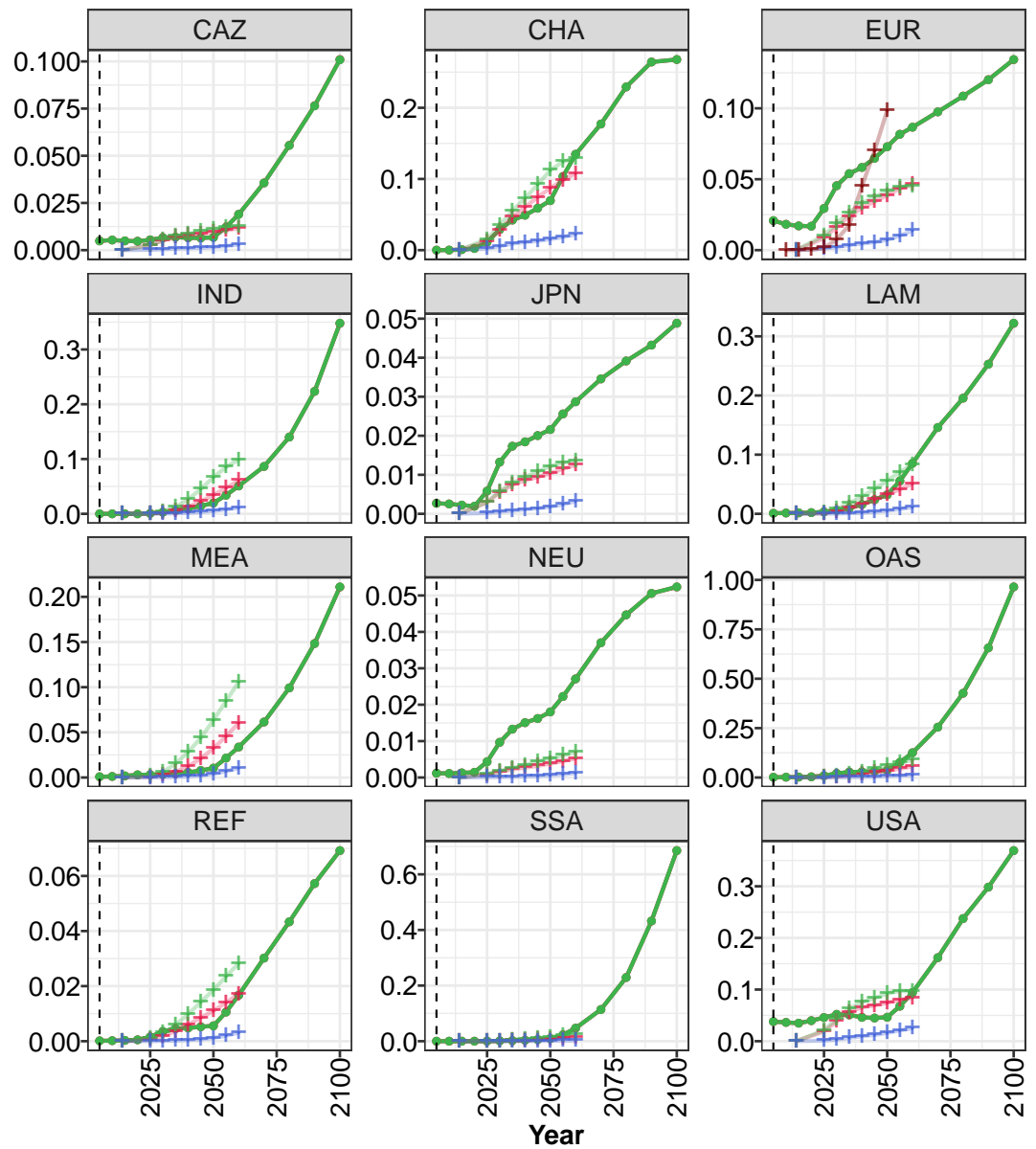


Model: REMIND

- +— SSP2EU-NPi-calibrate
- +— SSP2EU-NPi-calibrate-ETPfix

Historical data

- + IEA ETP 2DS
- + IEA ETP B2DS
- + IEA ETP RTS
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS

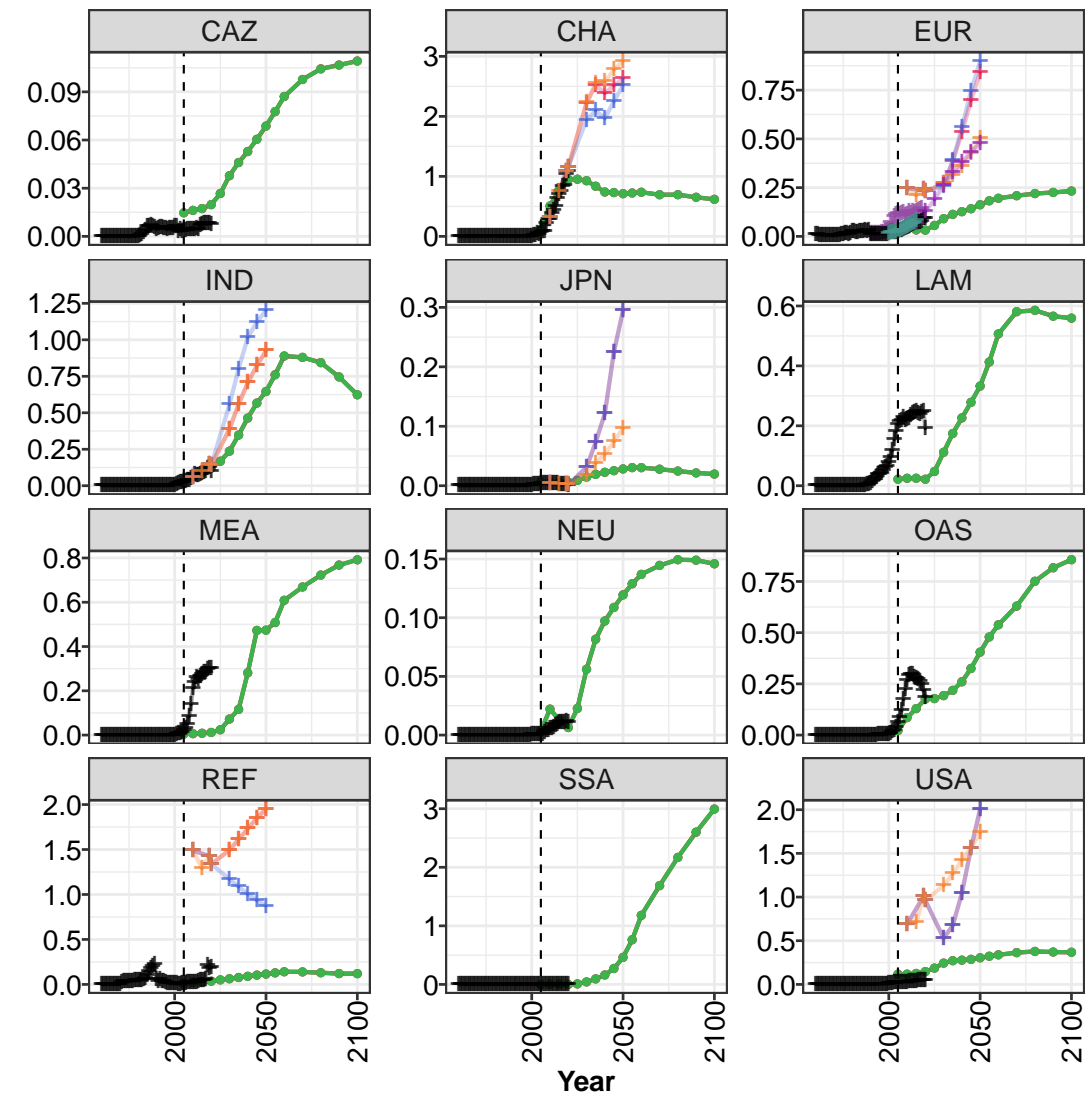
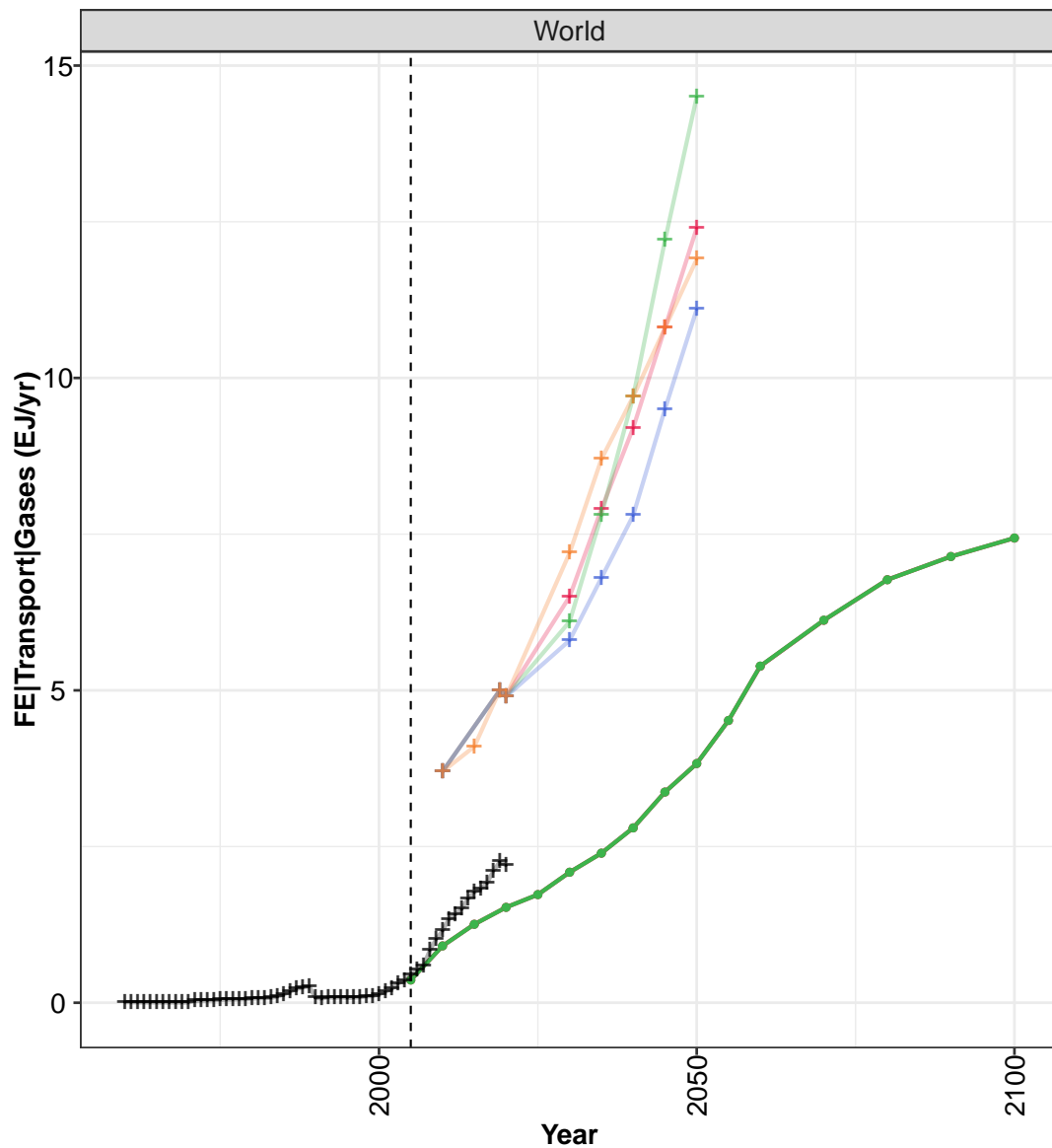


Model: REMIND

- +— SSP2EU-NPi-calibrate
- +— SSP2EU-NPi-calibrate-ETPfix

Historical data

- + IEA ETP 2DS
- + IEA ETP B2DS
- + IEA ETP RTS
- + INNOPATHS



Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

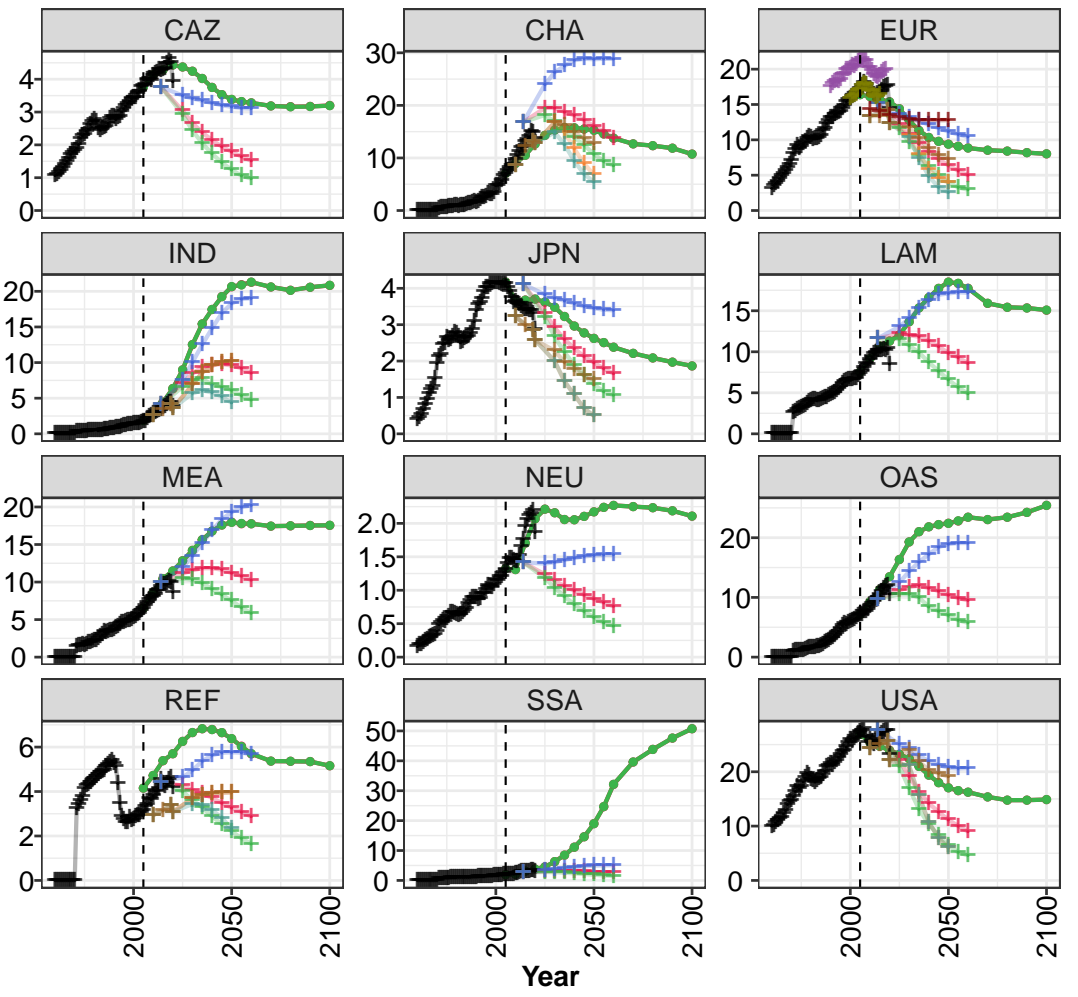
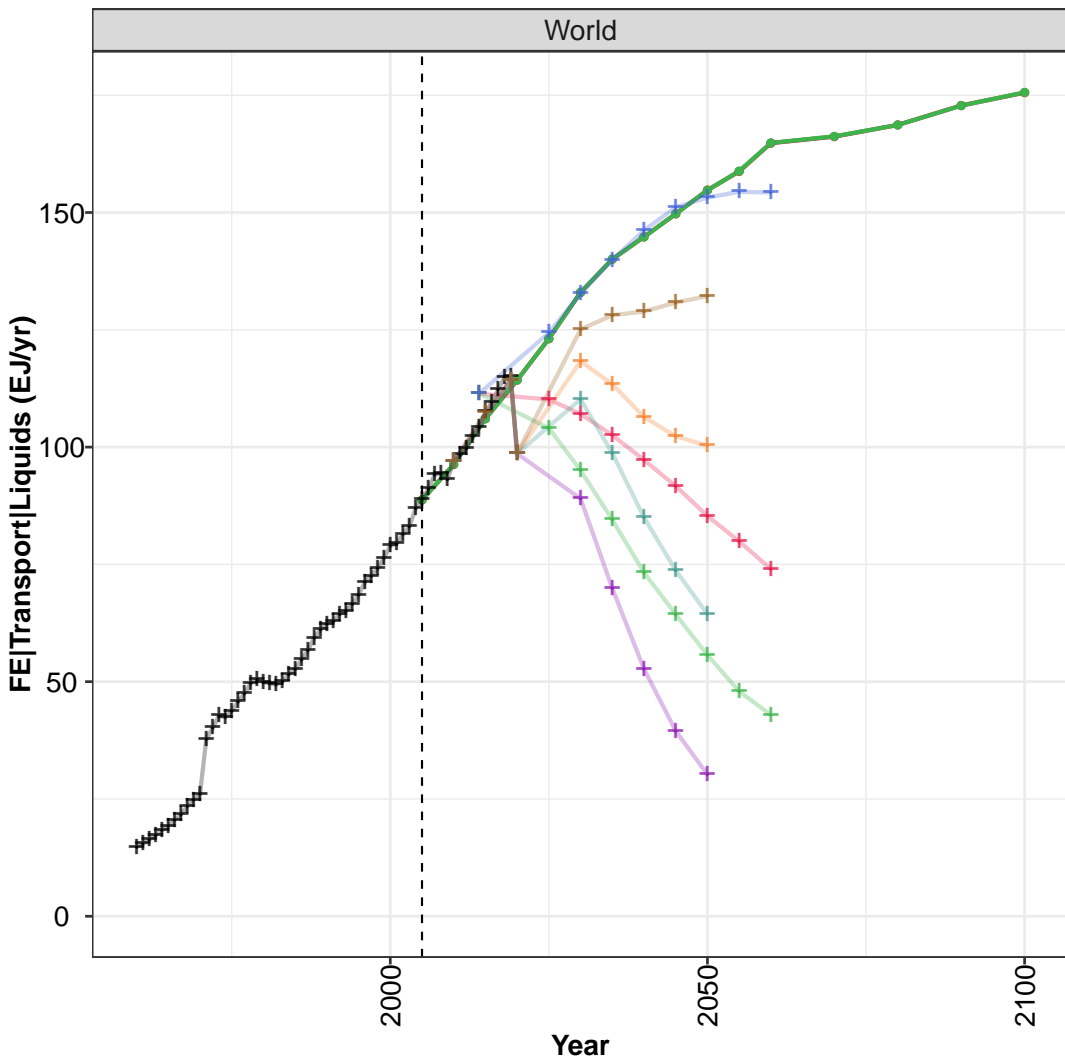
- IEA
- IEA WEO 2021 APS
- IEA WEO 2021 Net2050
- IEA WEO 2021 SDS
- IEA WEO 2021 SPS

Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- Eurostat
- IEA
- IEA WEO 2021 APS
- IEA WEO 2021 SDS
- IEA WEO 2021 SPS
- INNOPATHS
- JRC



Model: REMIND

- +— SSP2EU-NPi-calibrate
- +— SSP2EU-NPi-calibrate-ETPfix

Historical data

- + IEA
- + IEA ETP 2DS
- + IEA ETP B2DS
- + IEA ETP RTS
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS

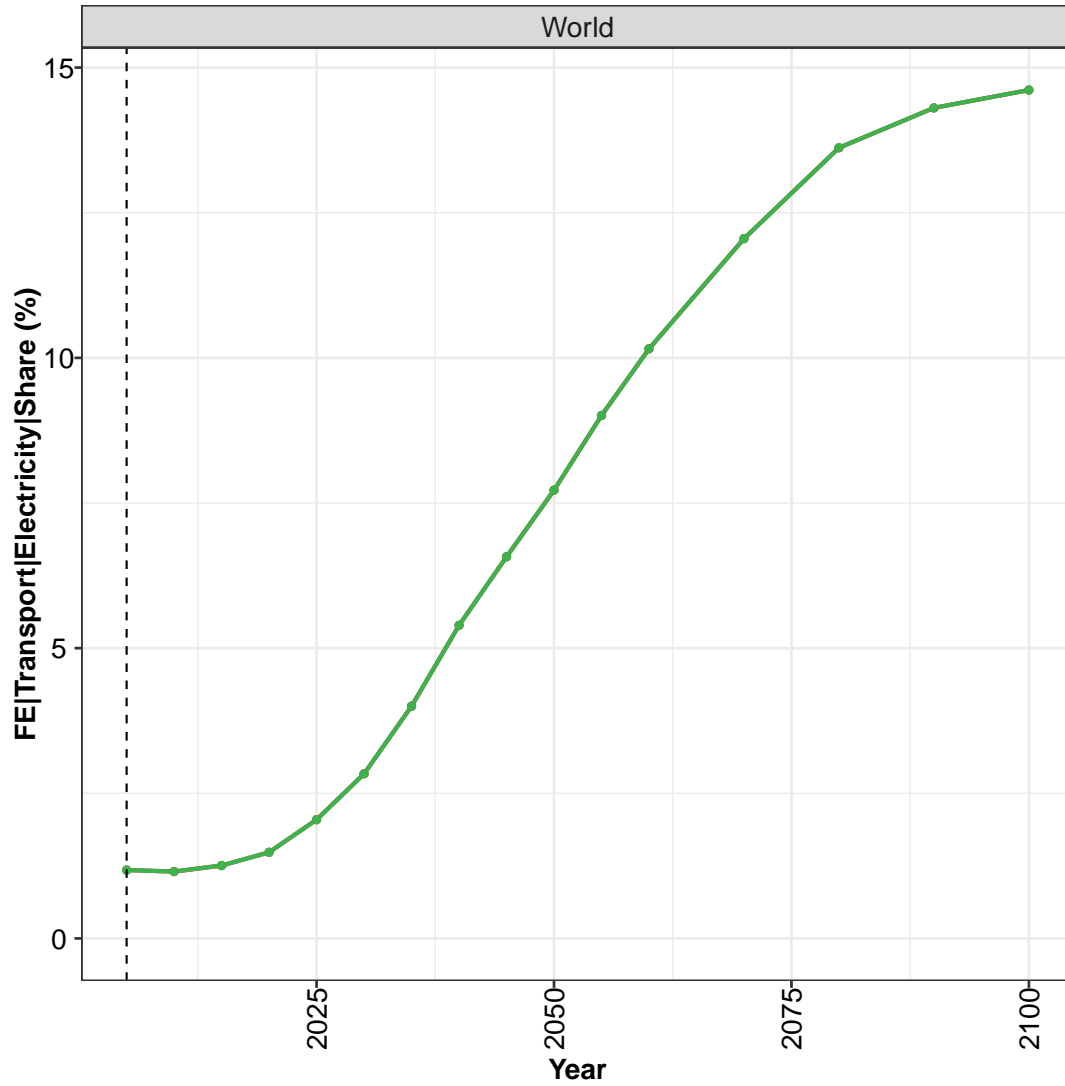
Model: REMIND

- +— SSP2EU-NPi-calibrate
- +— SSP2EU-NPi-calibrate-ETPfix

Historical data

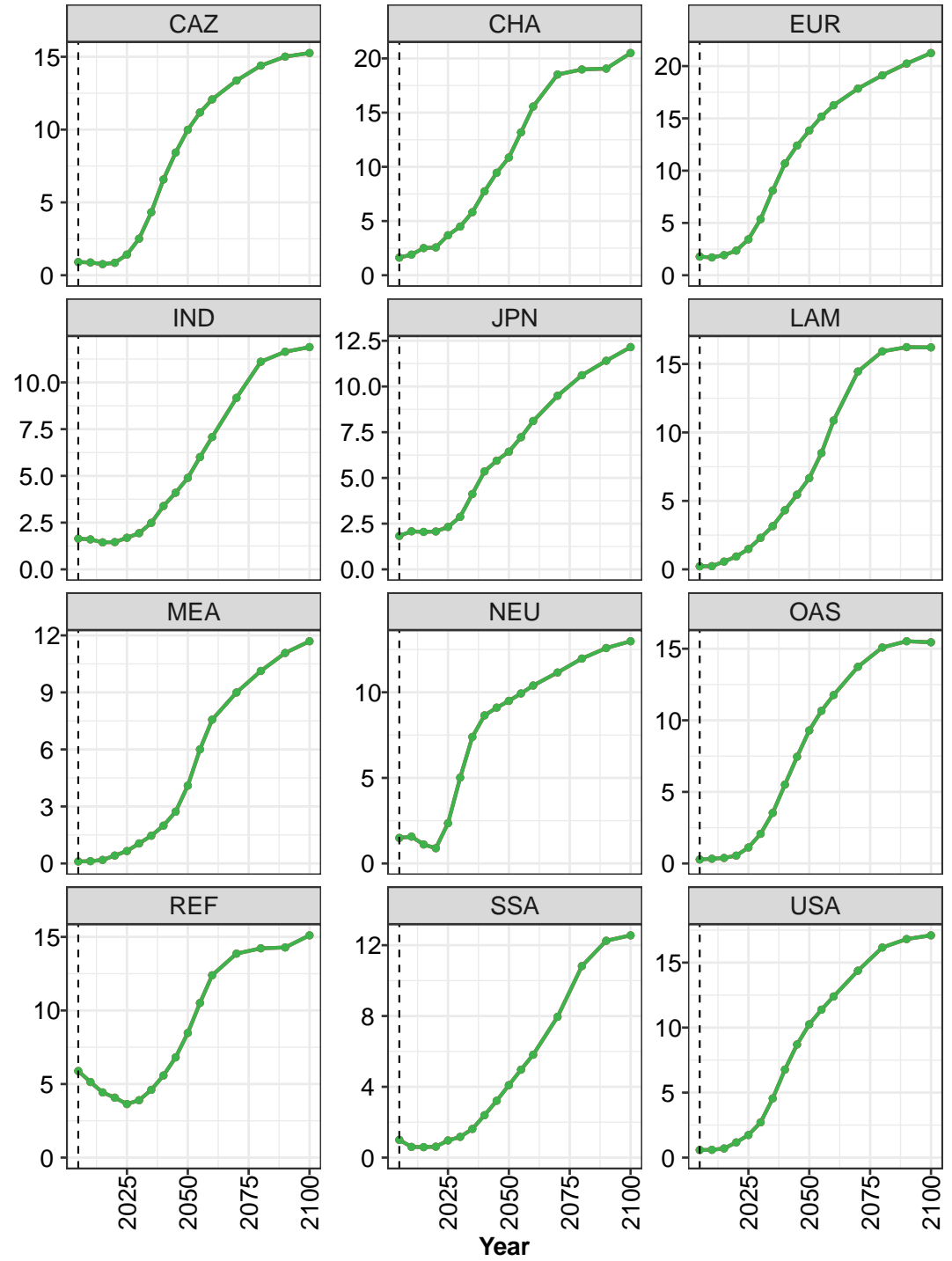
- + Eurostat
- + IEA
- + IEA ETP 2DS
- + IEA ETP B2DS
- + IEA ETP RTS
- + IEA WEO 2021 APS
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS
- + INNOPATHS
- + JRC

5.4.1.4 Electricity Share in Transport Final Energy

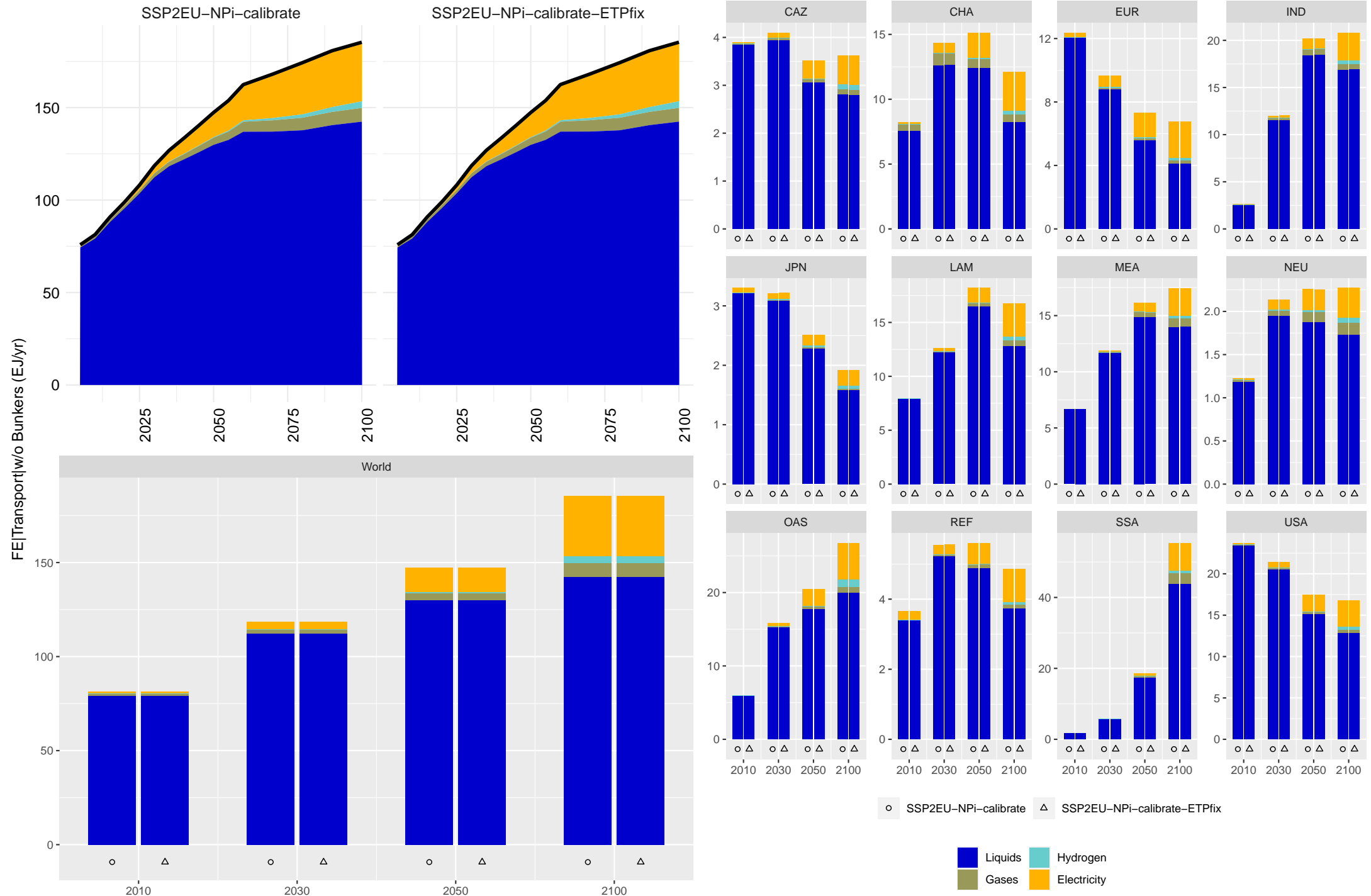


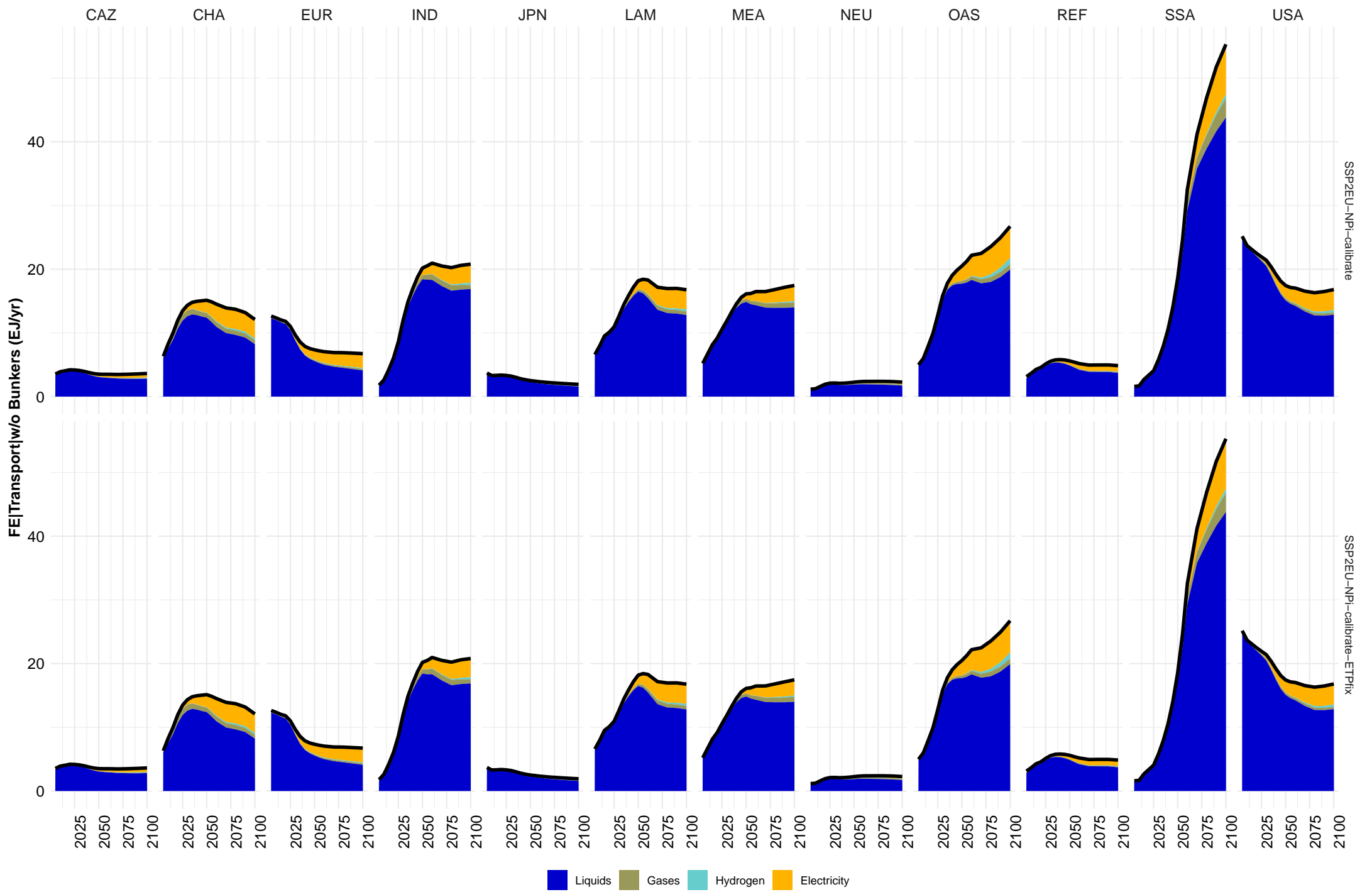
Model: REMIND

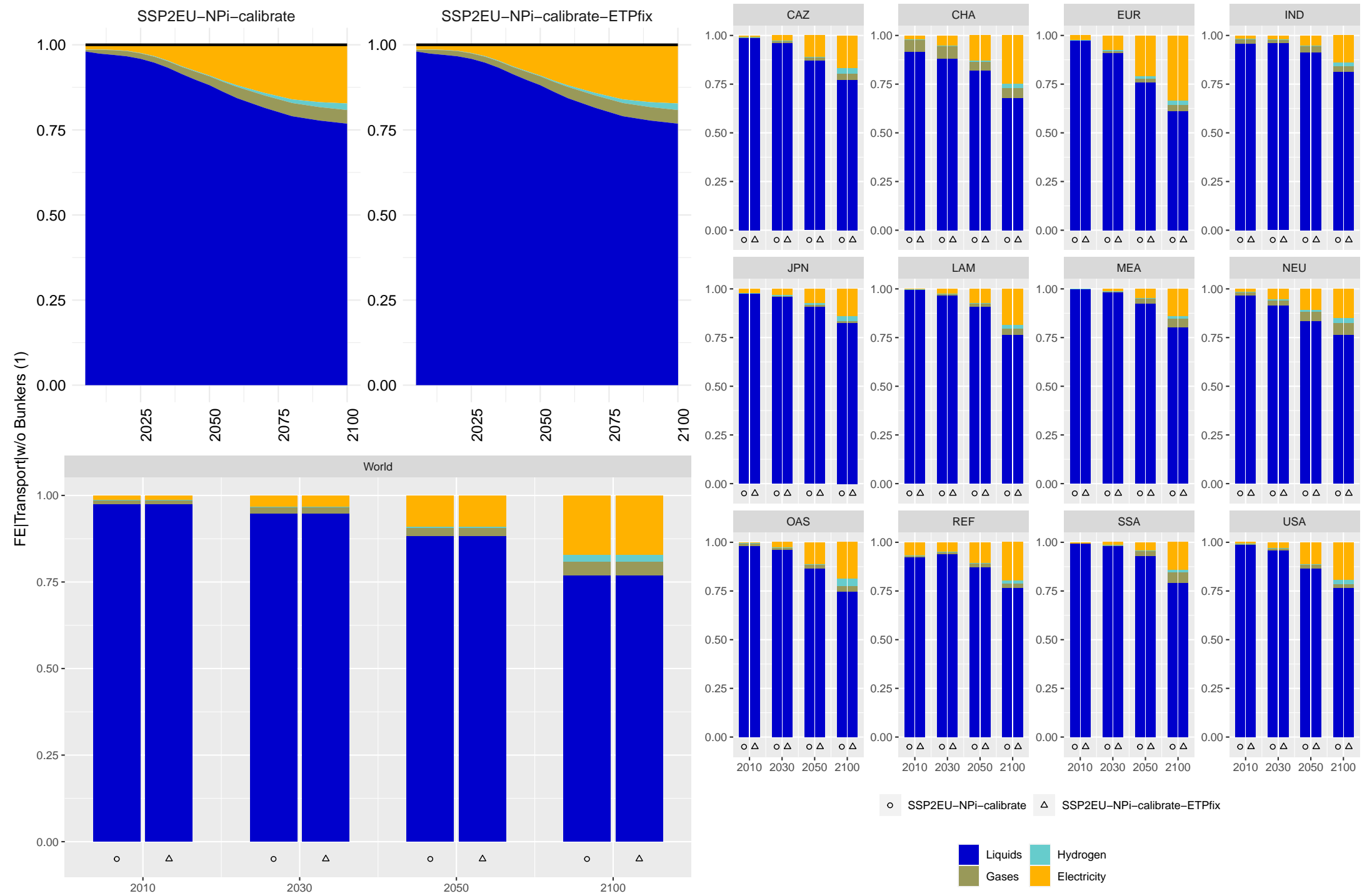
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- SSP2EU-NPi-calibrate-ETPfix

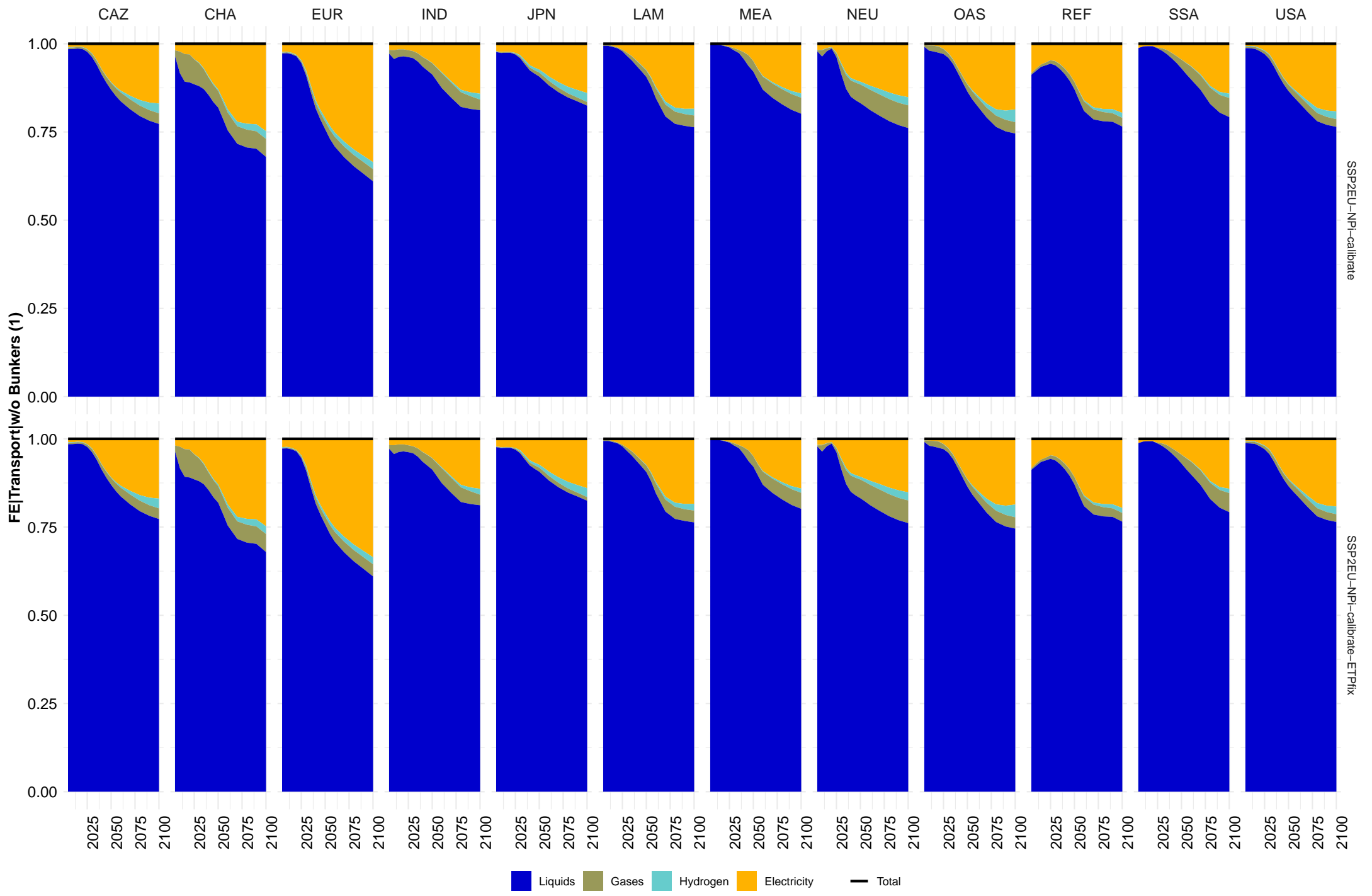


5.4.2.1 FE Transport Area Plots – w/o Bunkers



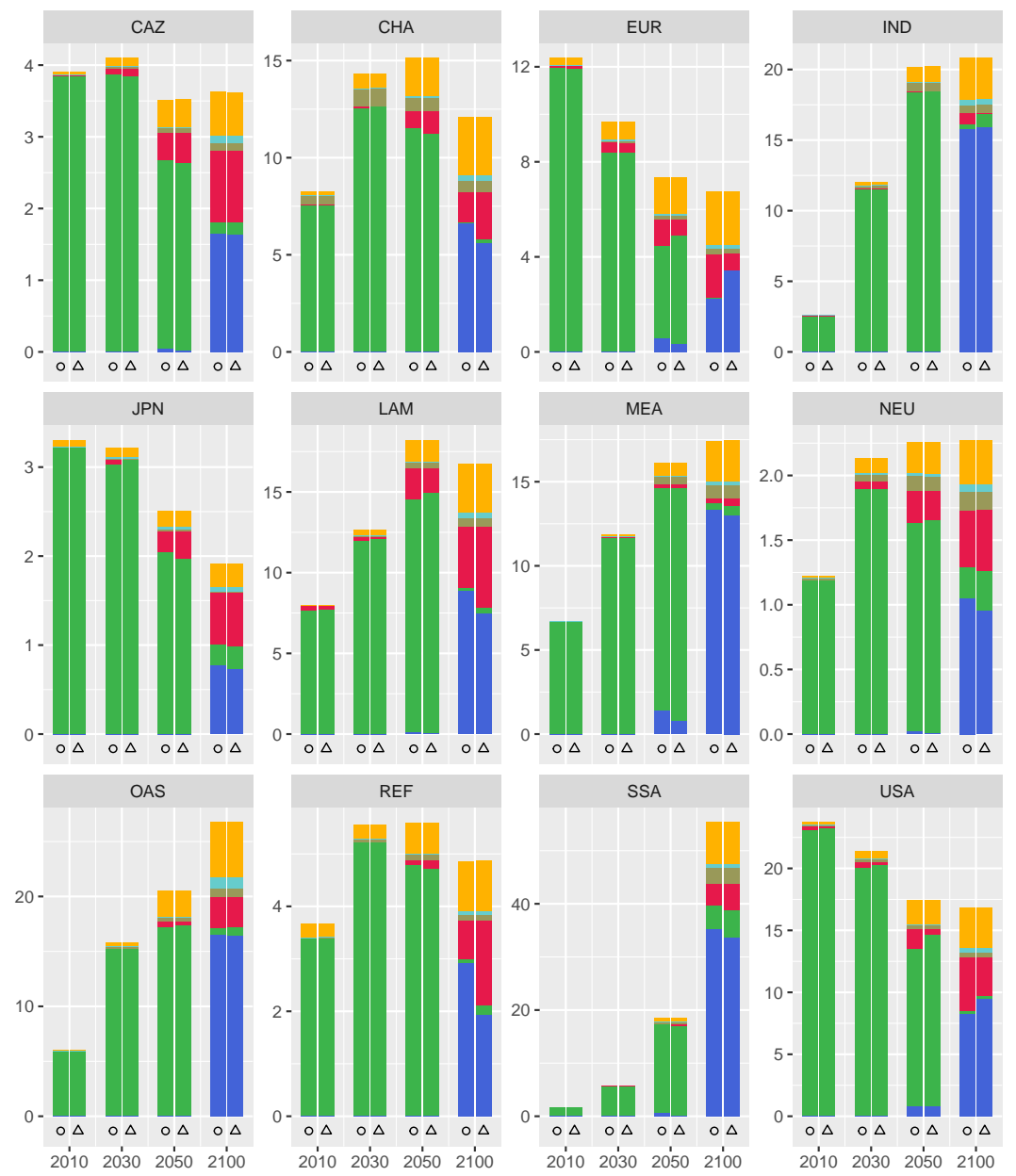
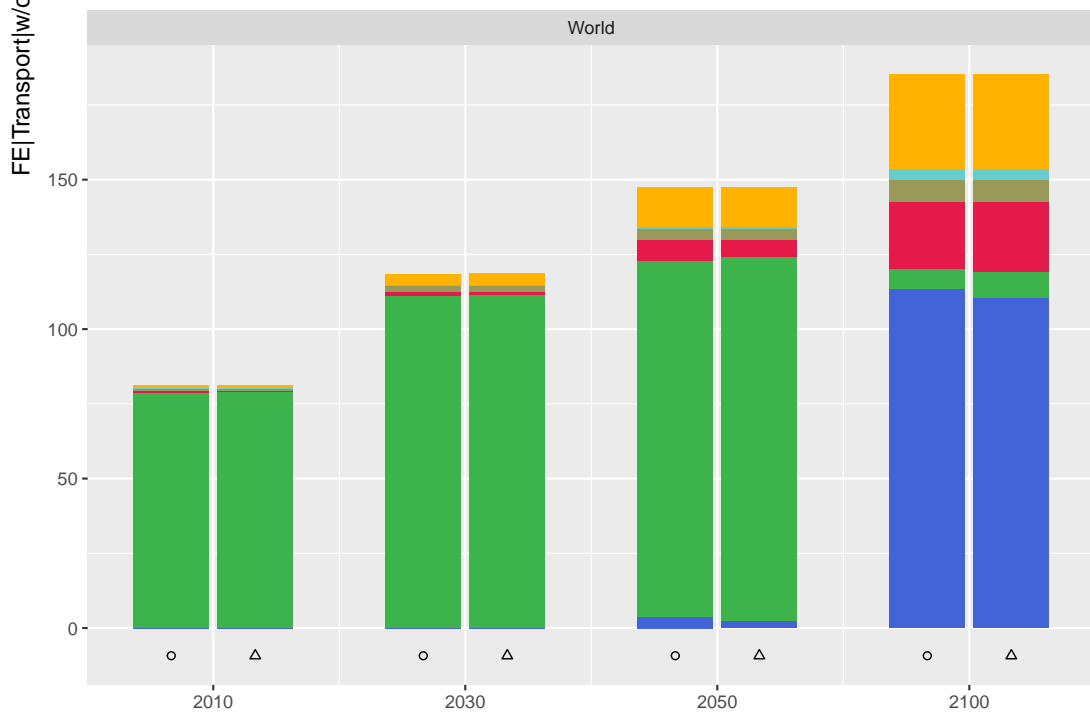
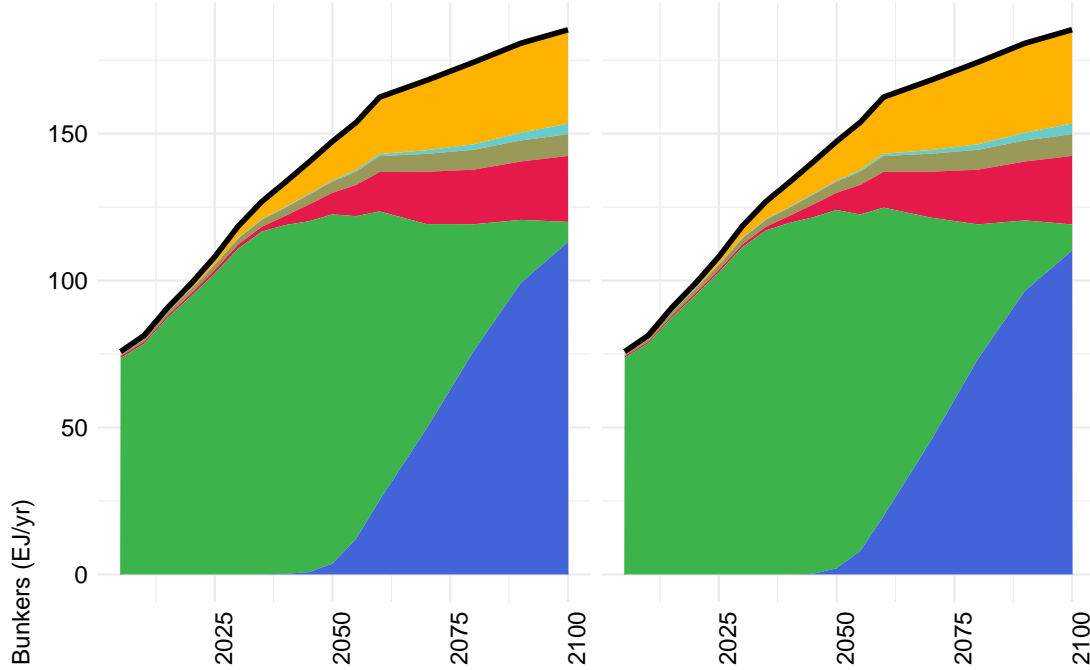






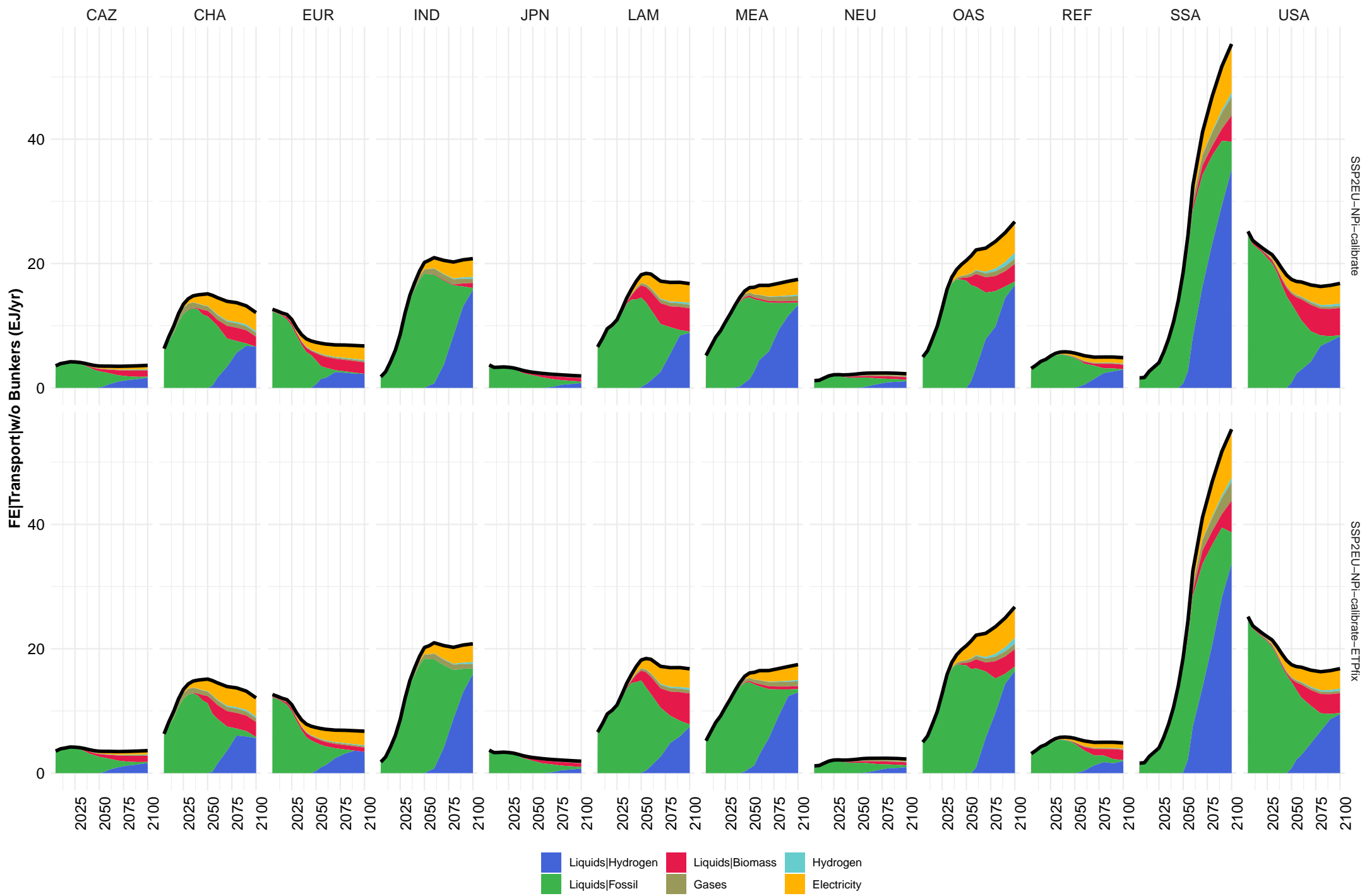
SSP2EU-NPi-calibrate

SSP2EU-NPi-calibrate-ETPfix

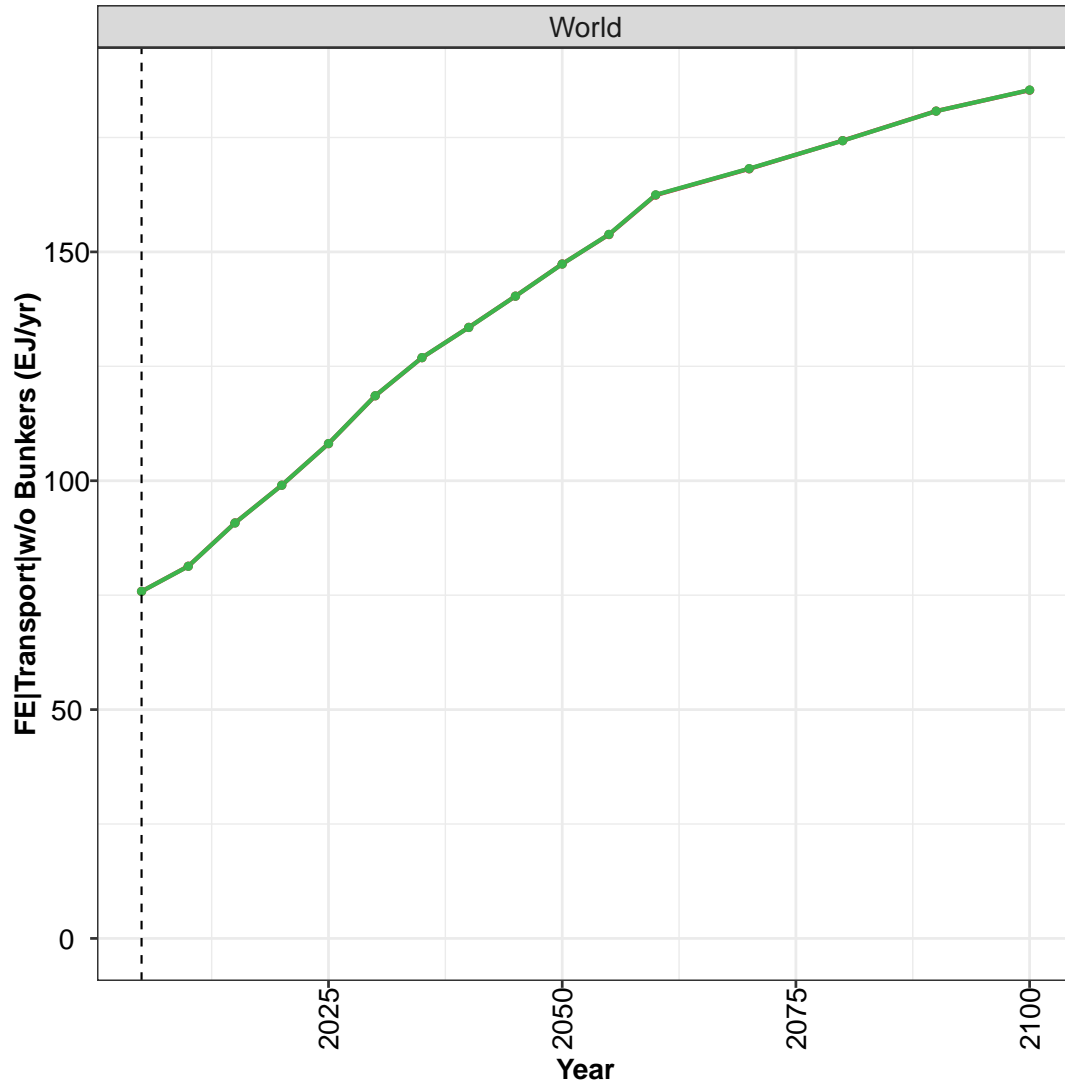


○ SSP2EU-NPi-calibrate △ SSP2EU-NPi-calibrate-ETPfix

■ Liquids|Hydrogen ■ Liquids|Biomass ■ Hydrogen
■ Liquids|Fossil ■ Gases ■ Electricity



5.4.2.2 FE Transport Line Plots – w/o Bunkers

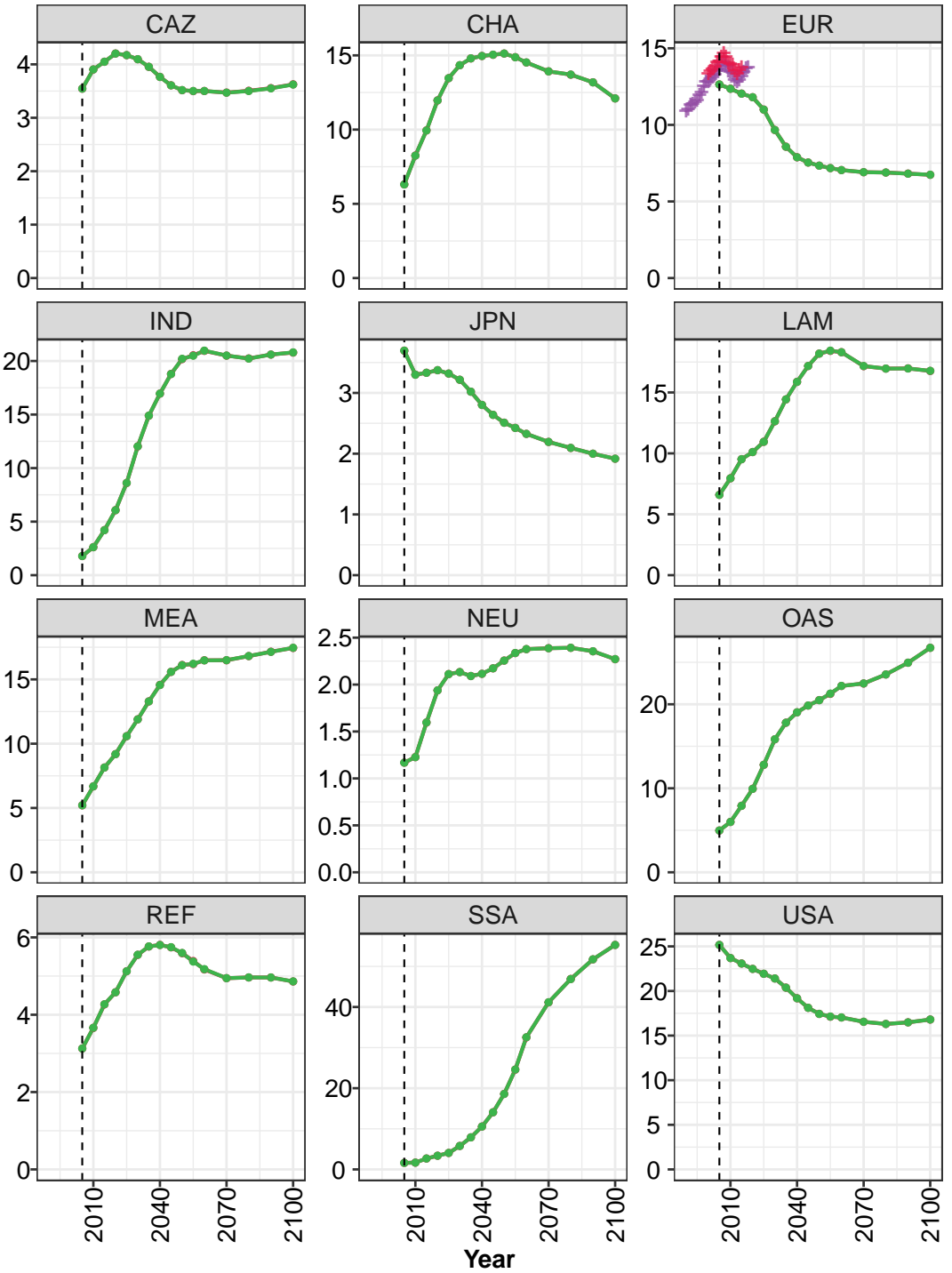


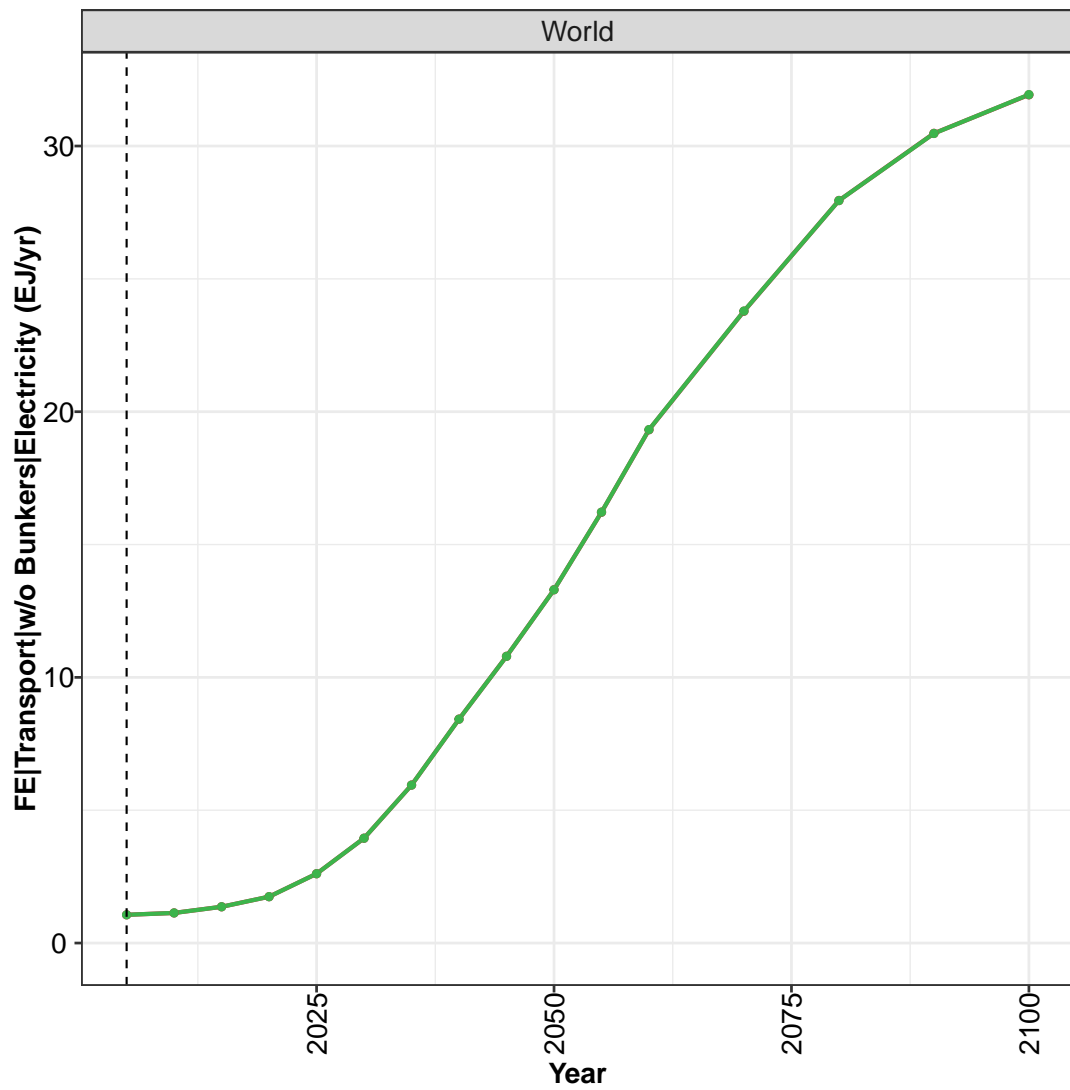
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + Eurostat
- + JRC



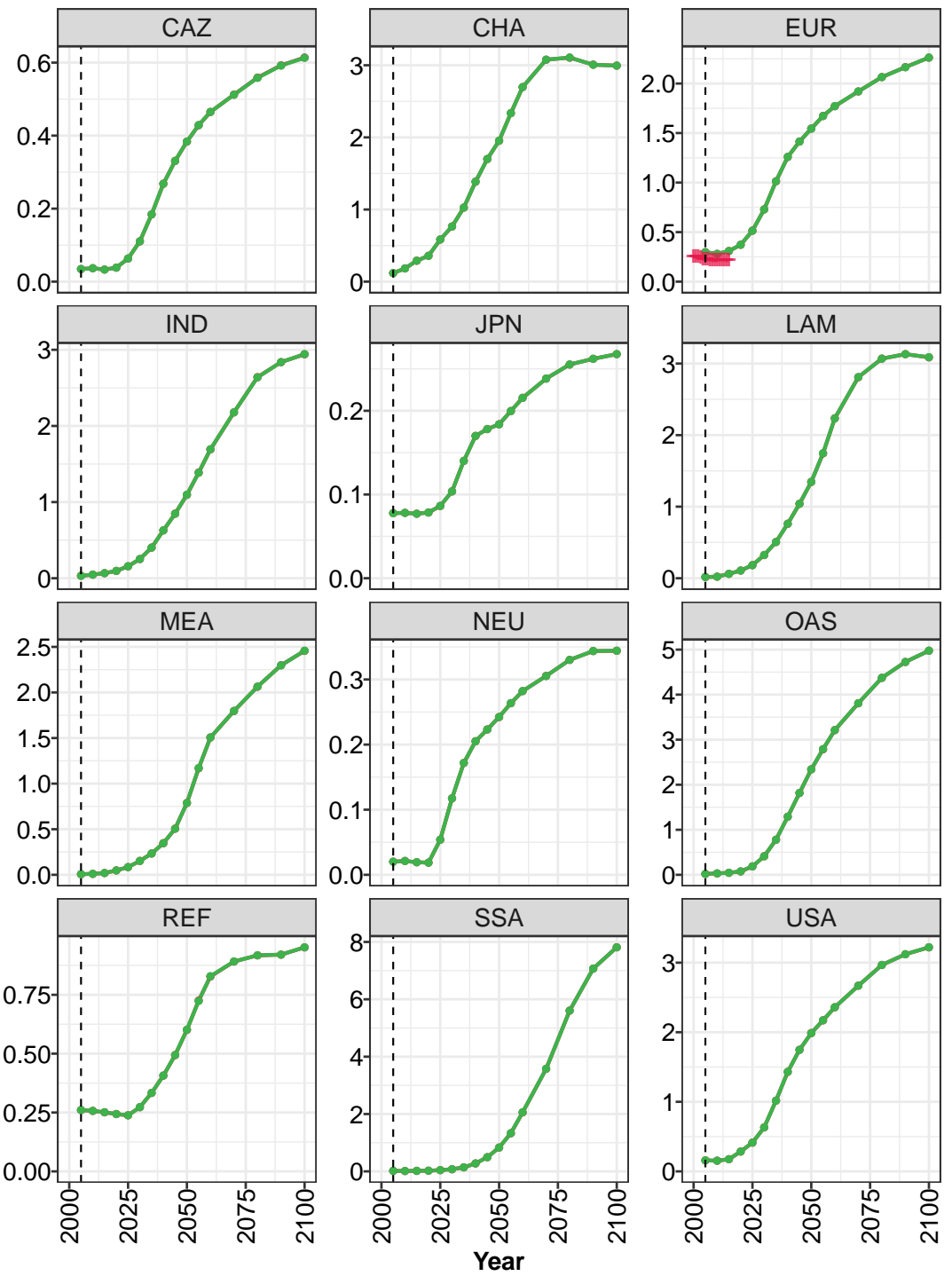


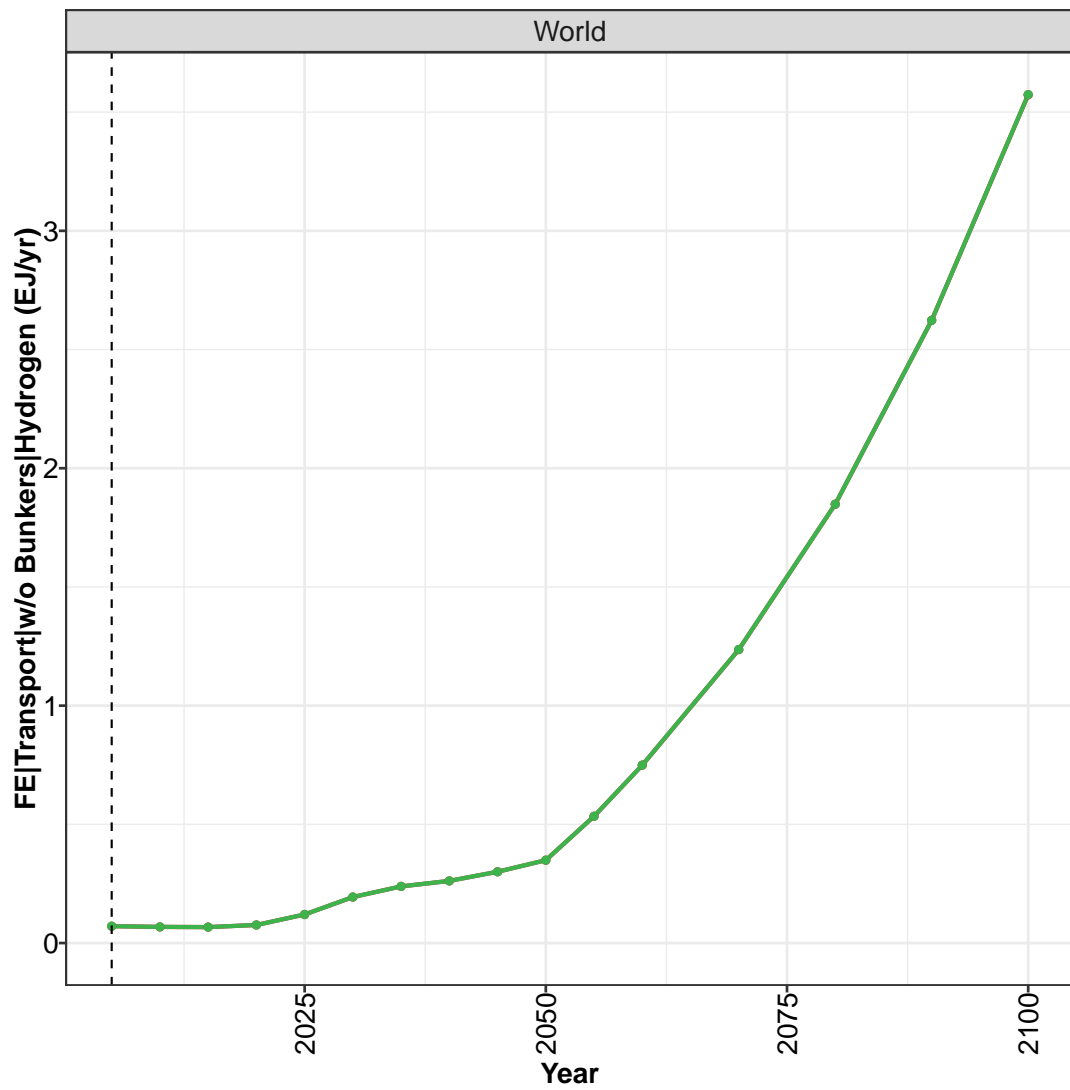
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Historical data

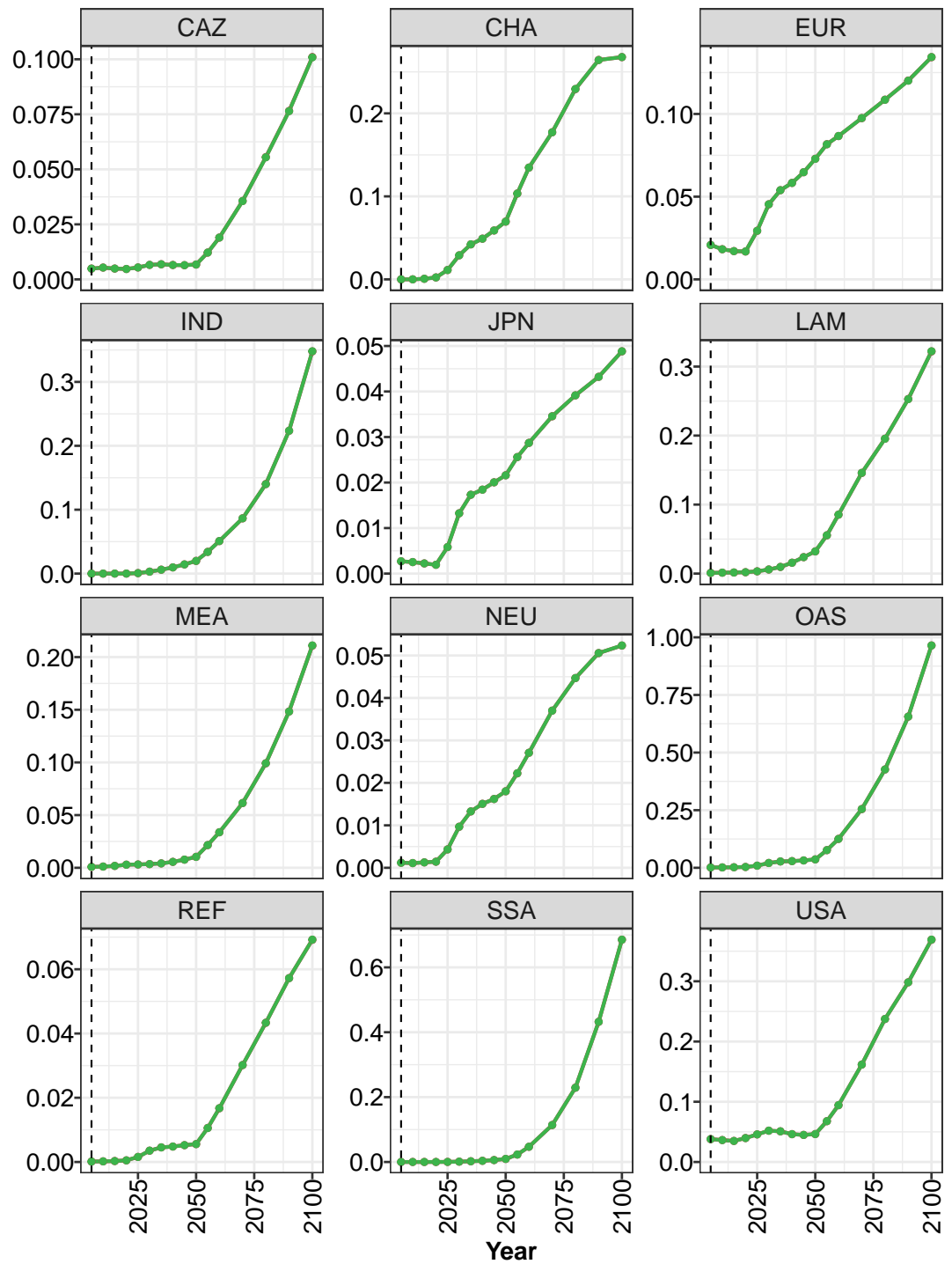
- + JRC

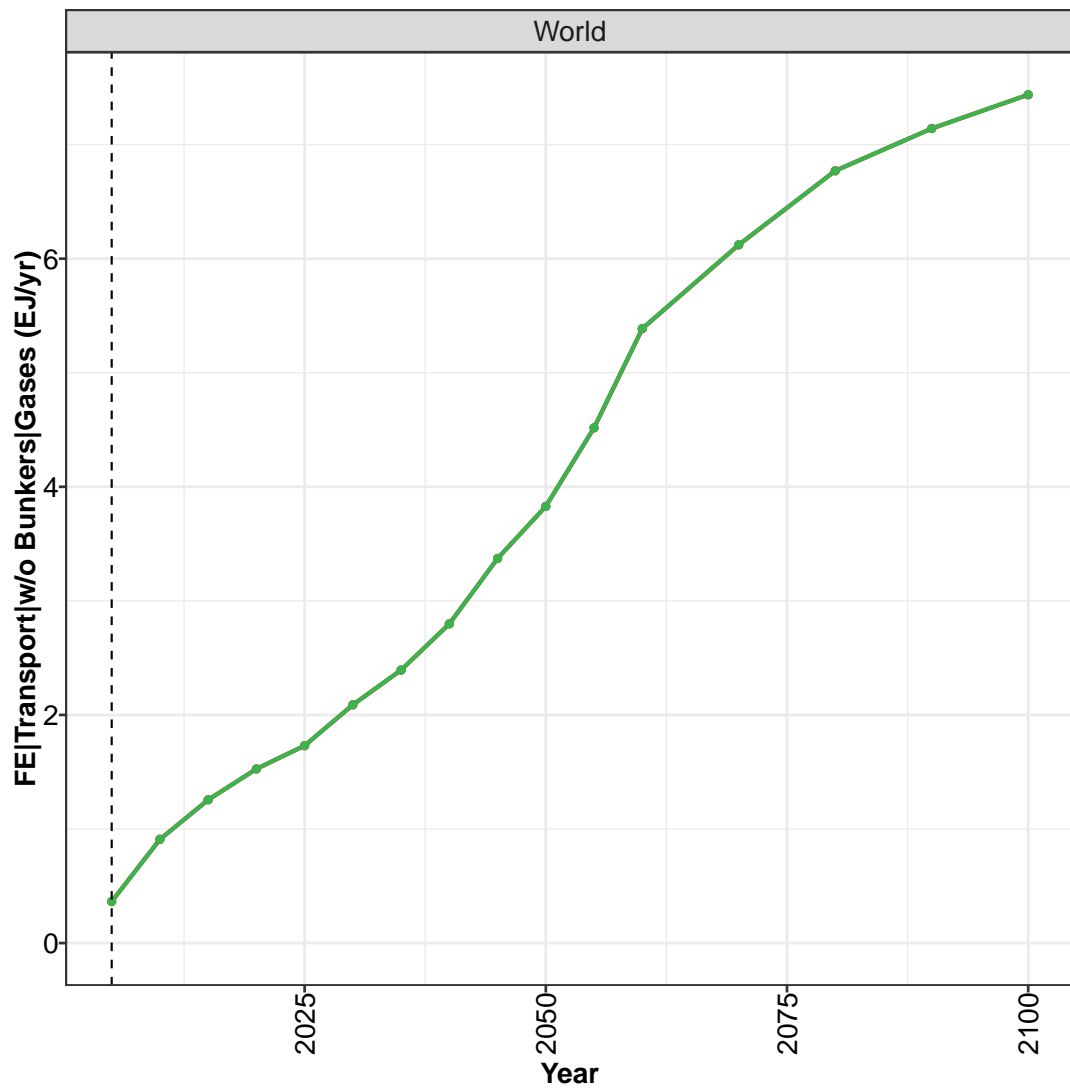




Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



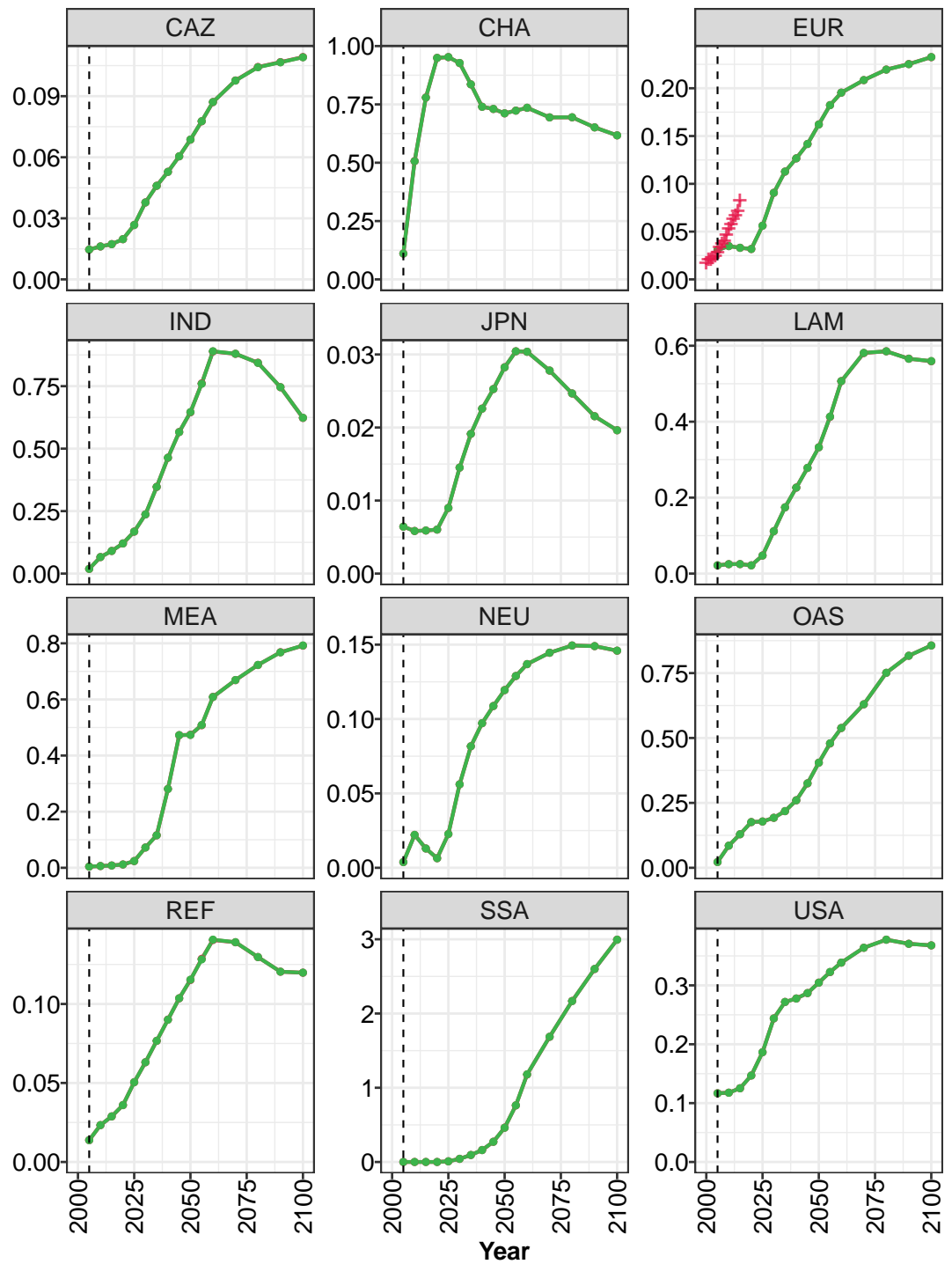


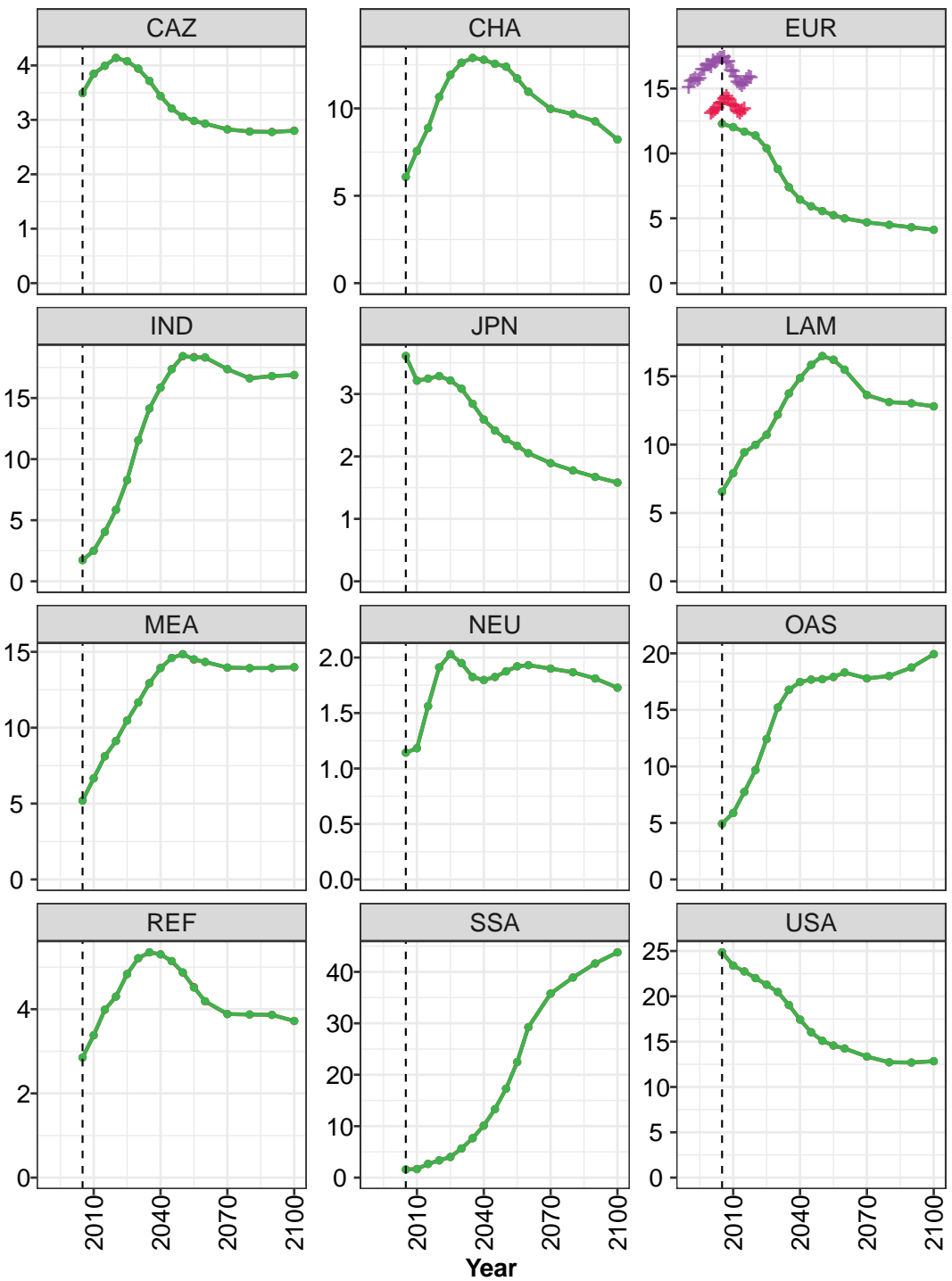
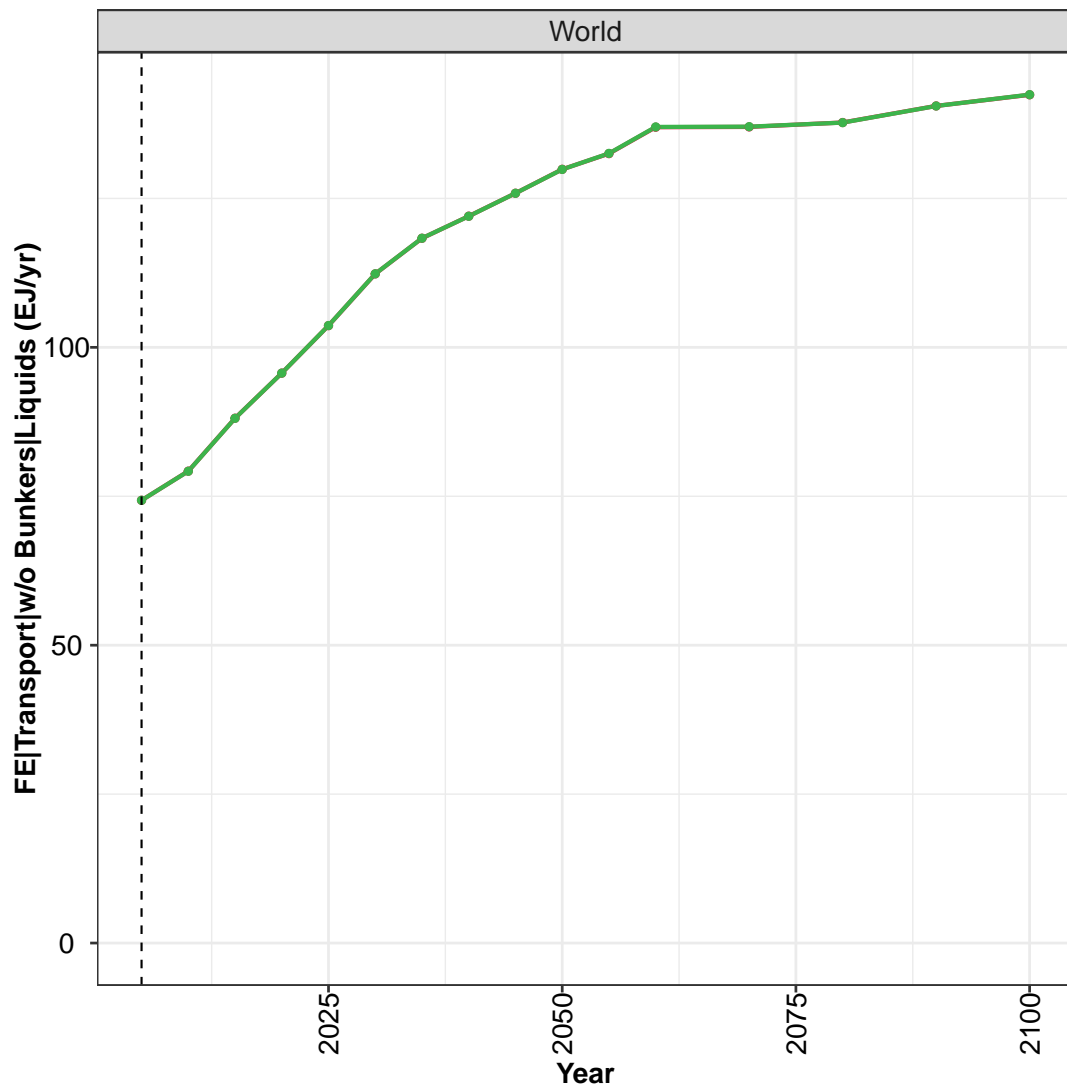
Model: REMIND

- + SSP2EU-NPi-calibrate
- + SSP2EU-NPi-calibrate-ETPfix

Historical data

- + JRC





Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

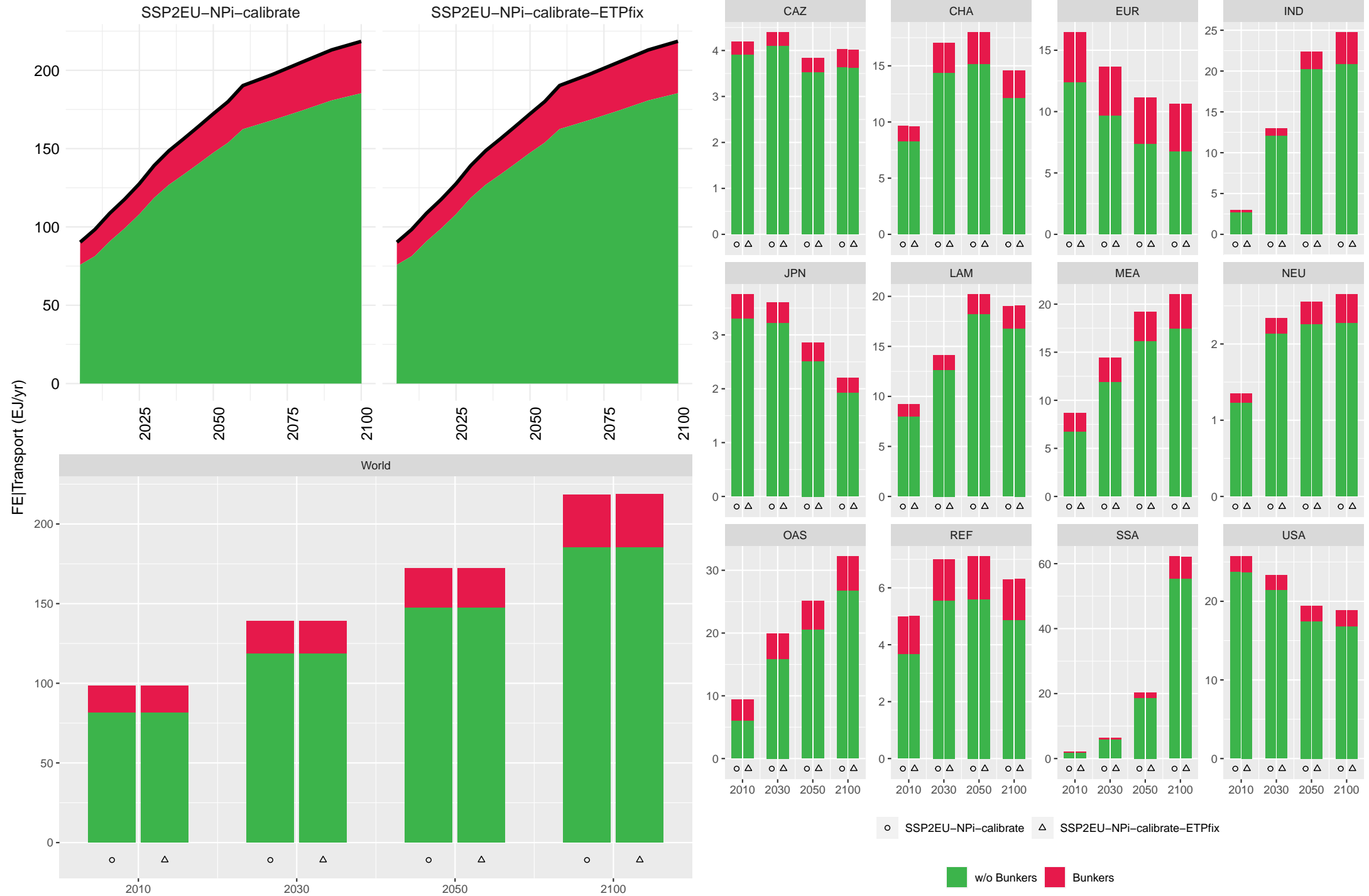
- + Eurostat
- + JRC

5.4.3 Transport per type





5.4.4 Bunkers

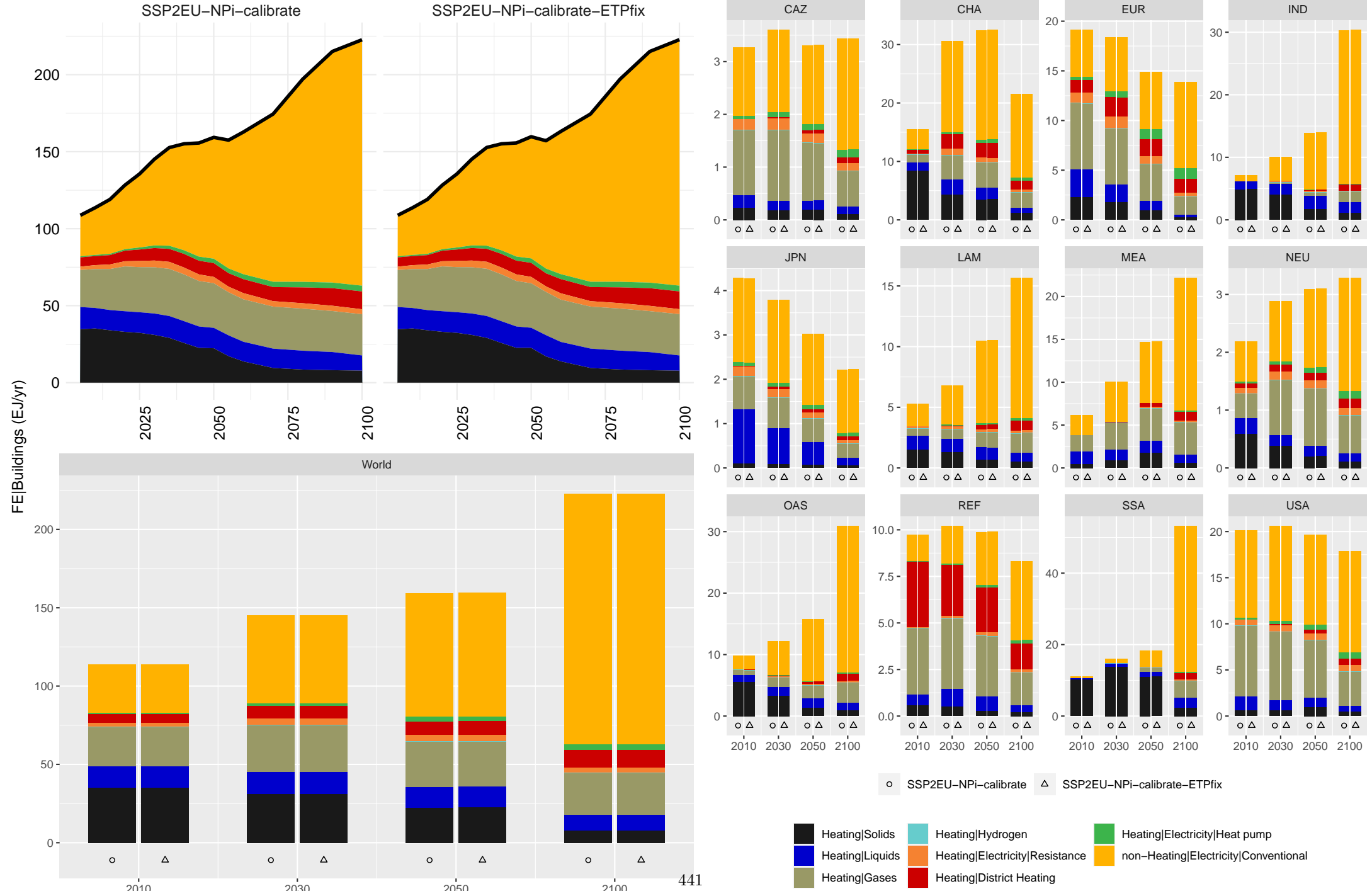


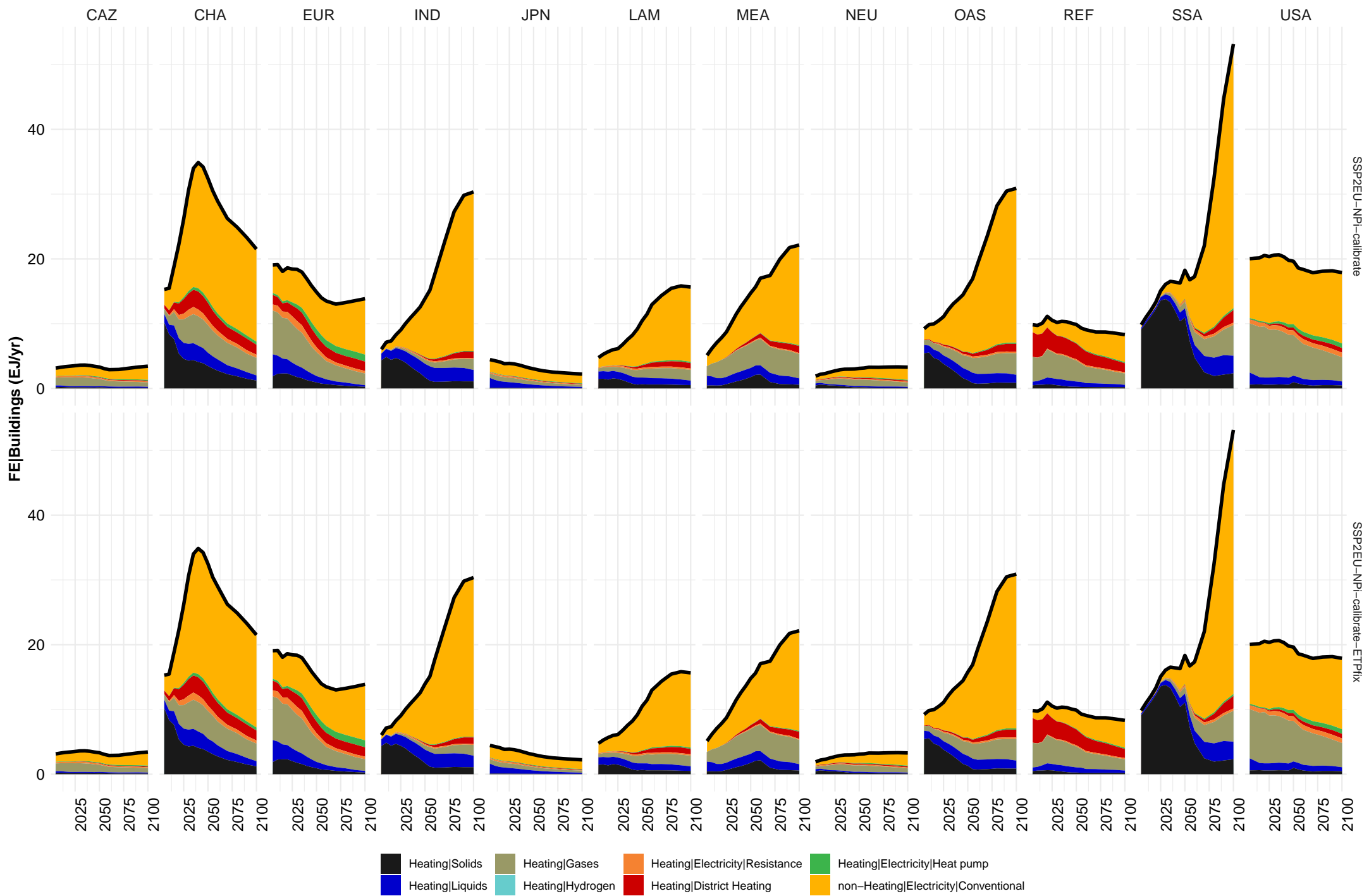


6 Energy Services and Products

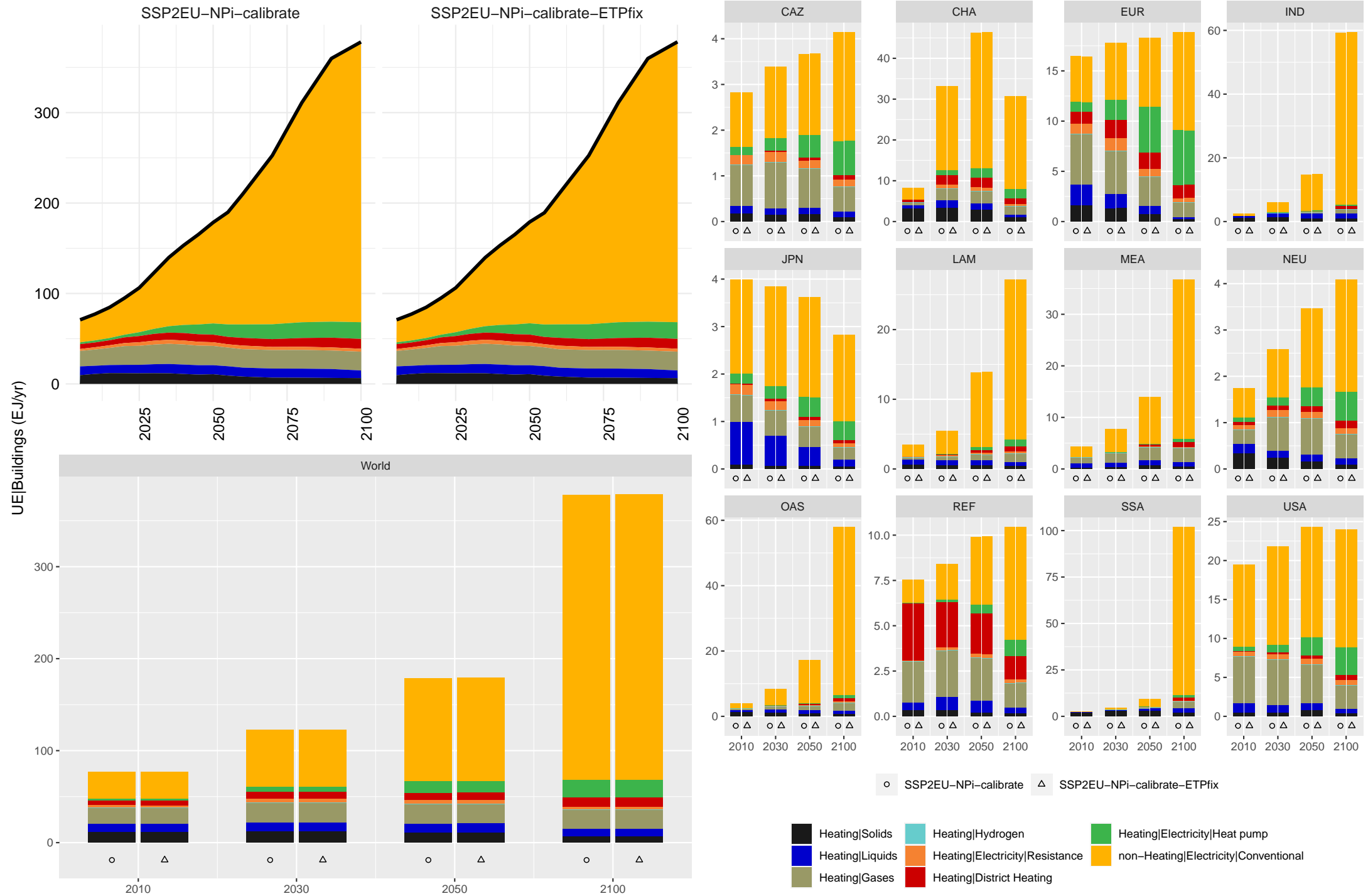
6.1 Buildings

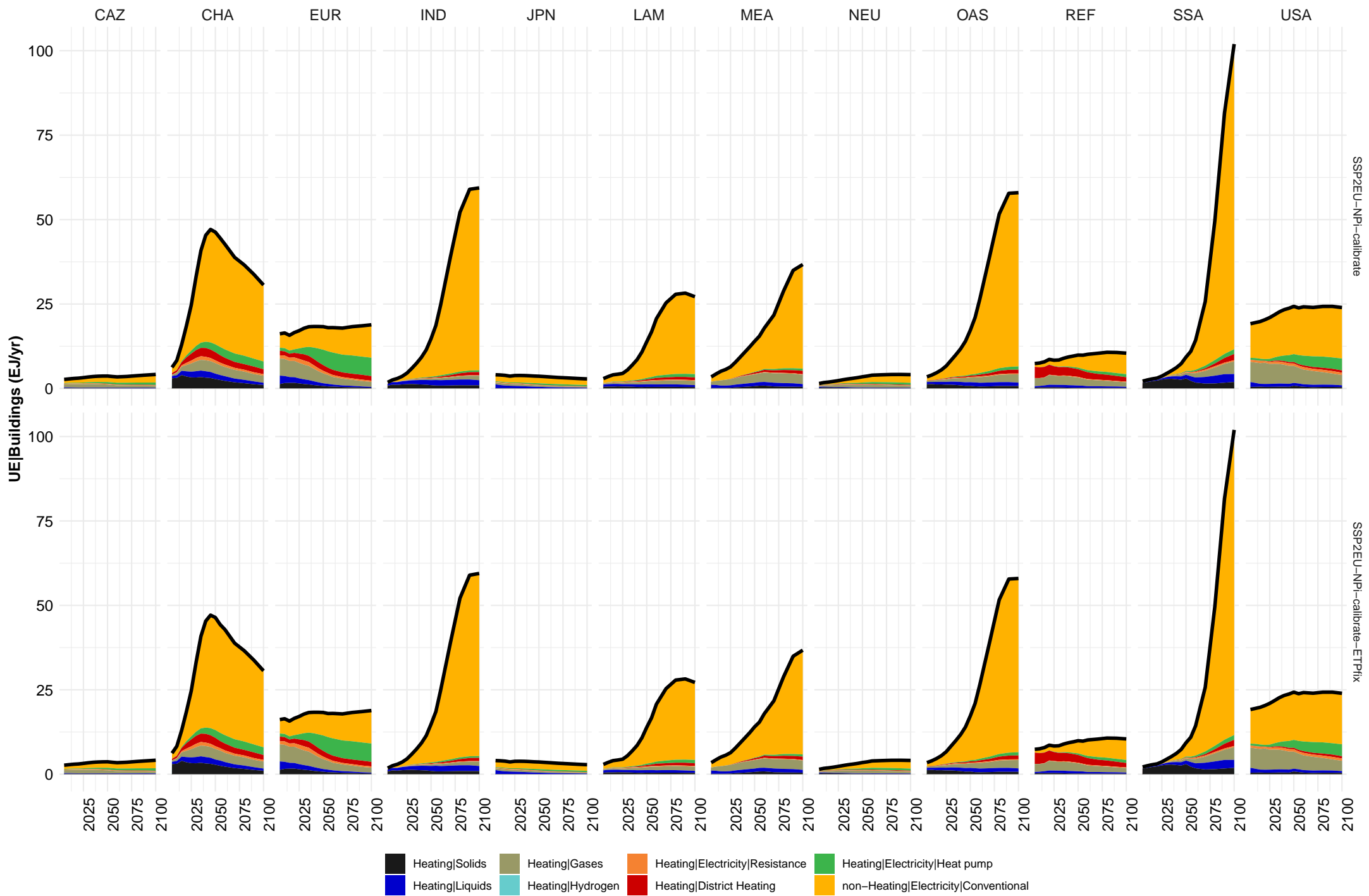
6.1.1 FE mix



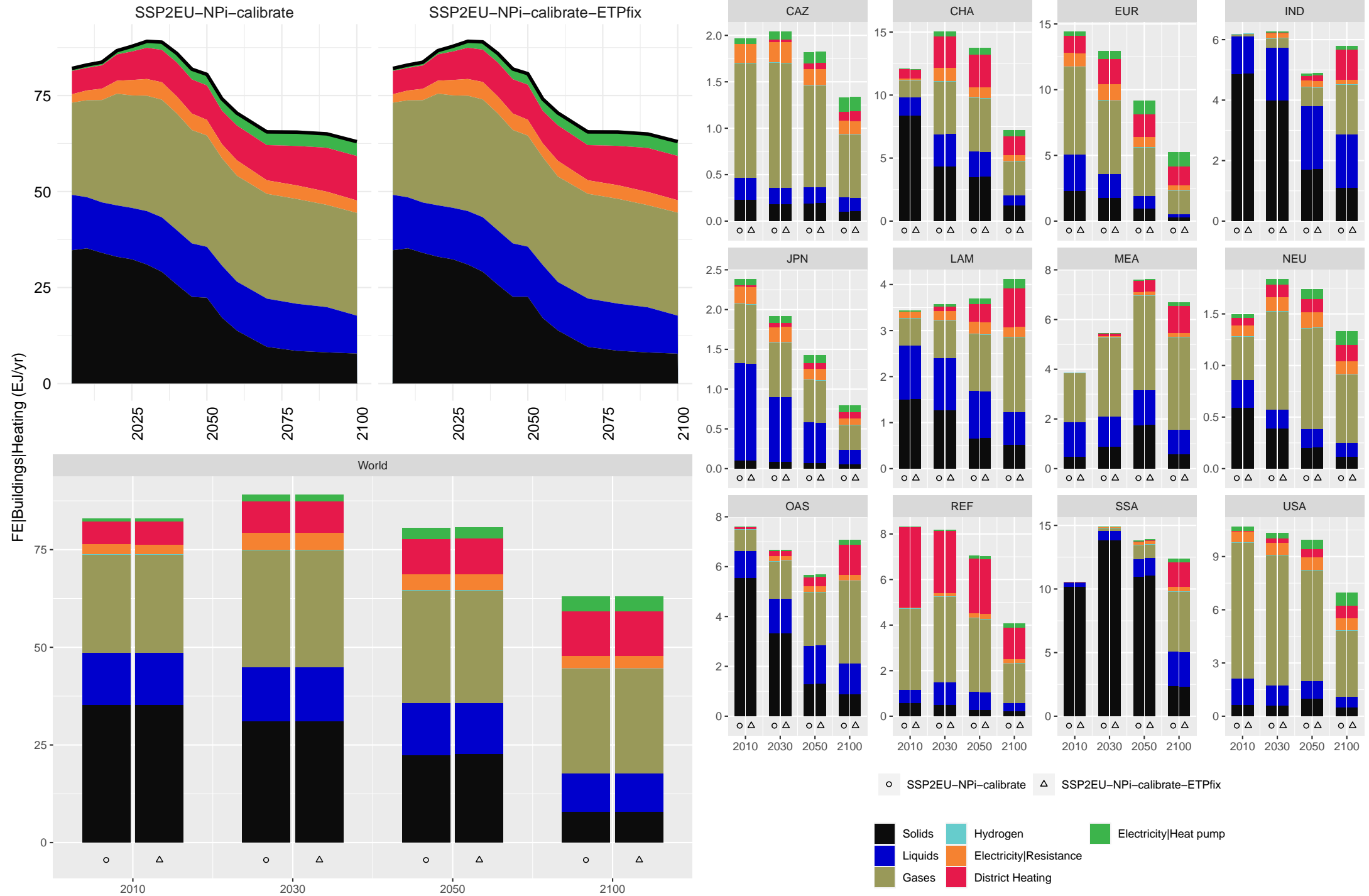


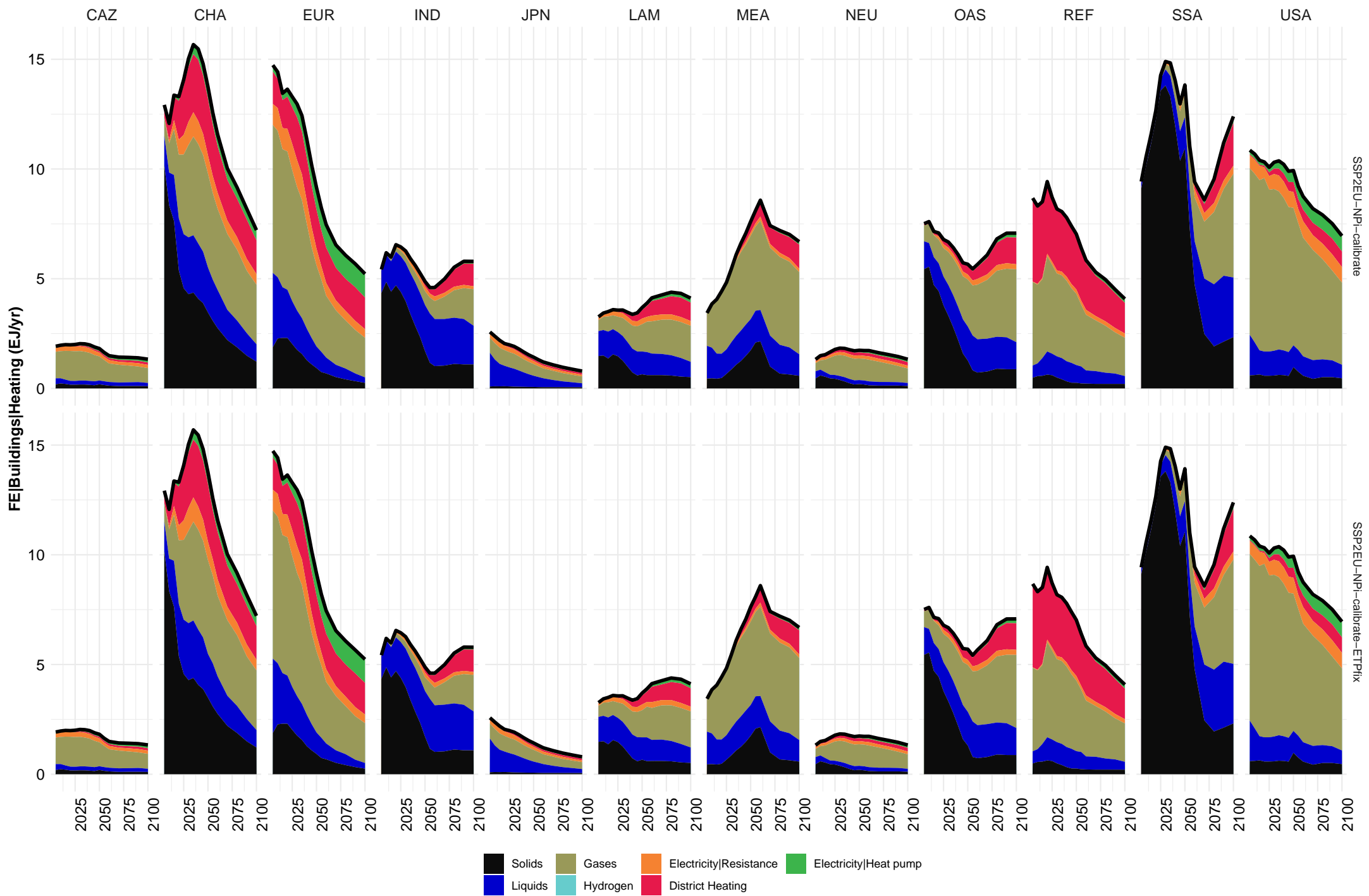
6.1.2 UE mix



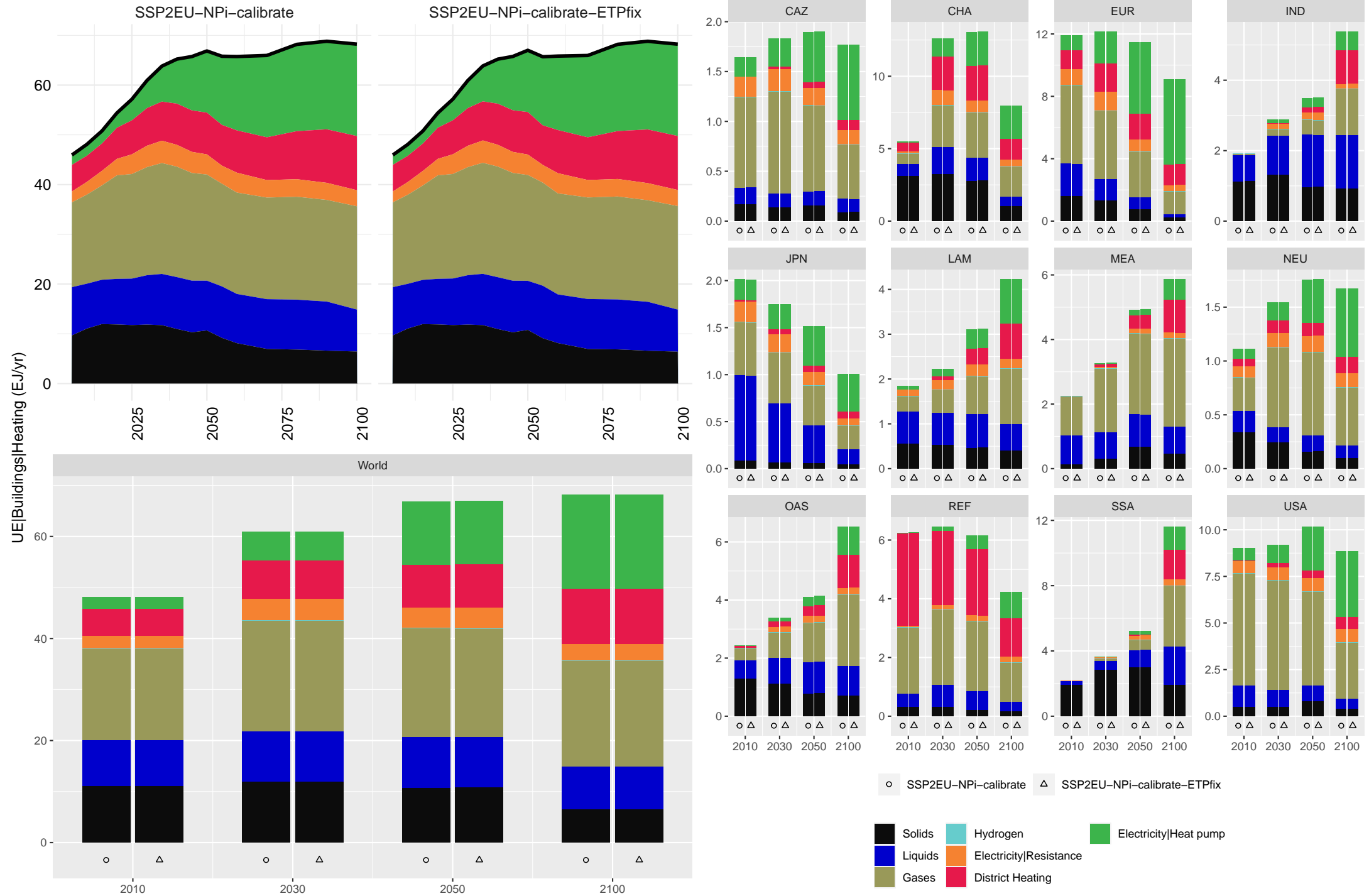


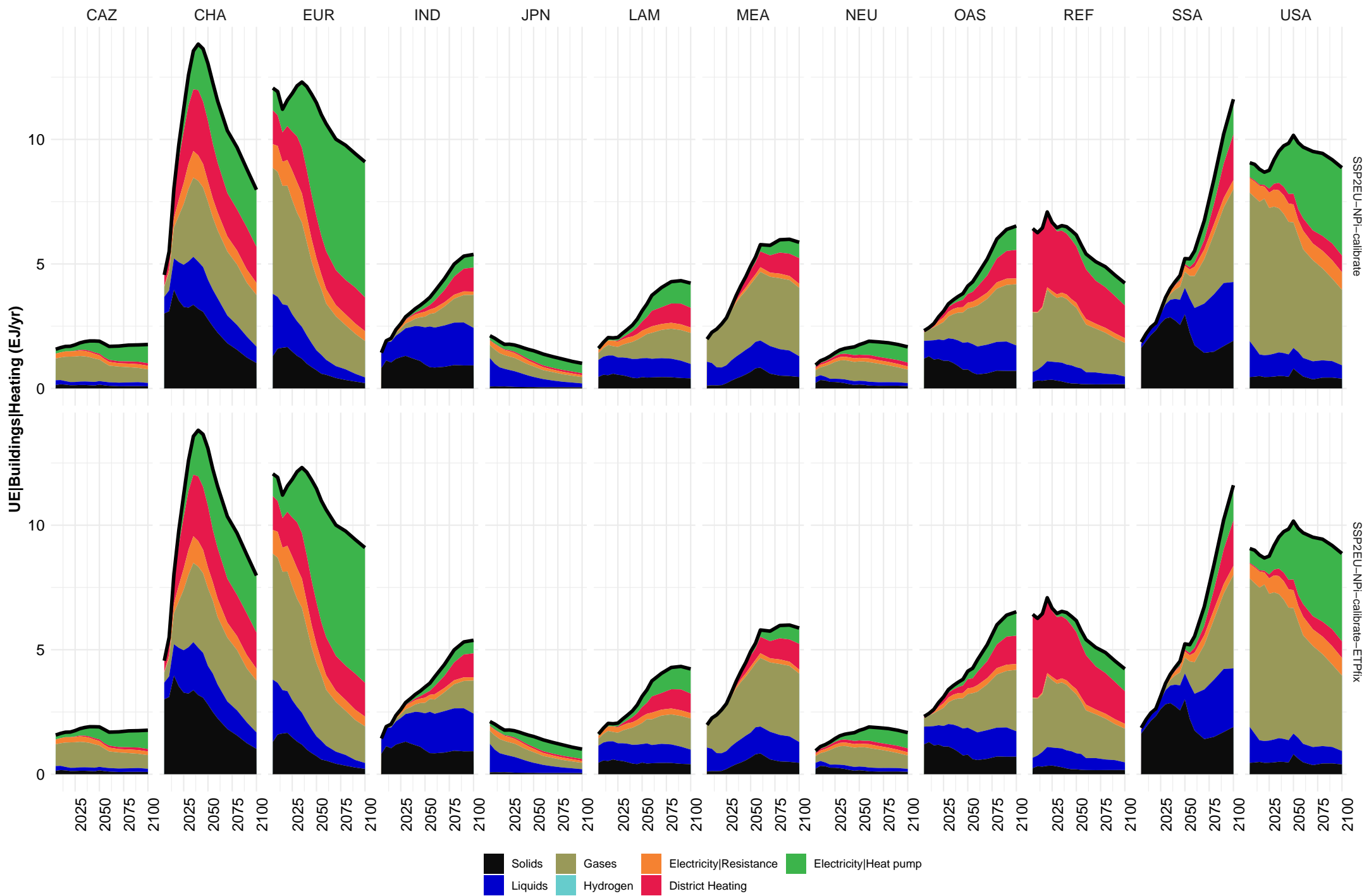
6.1.3 FE heating



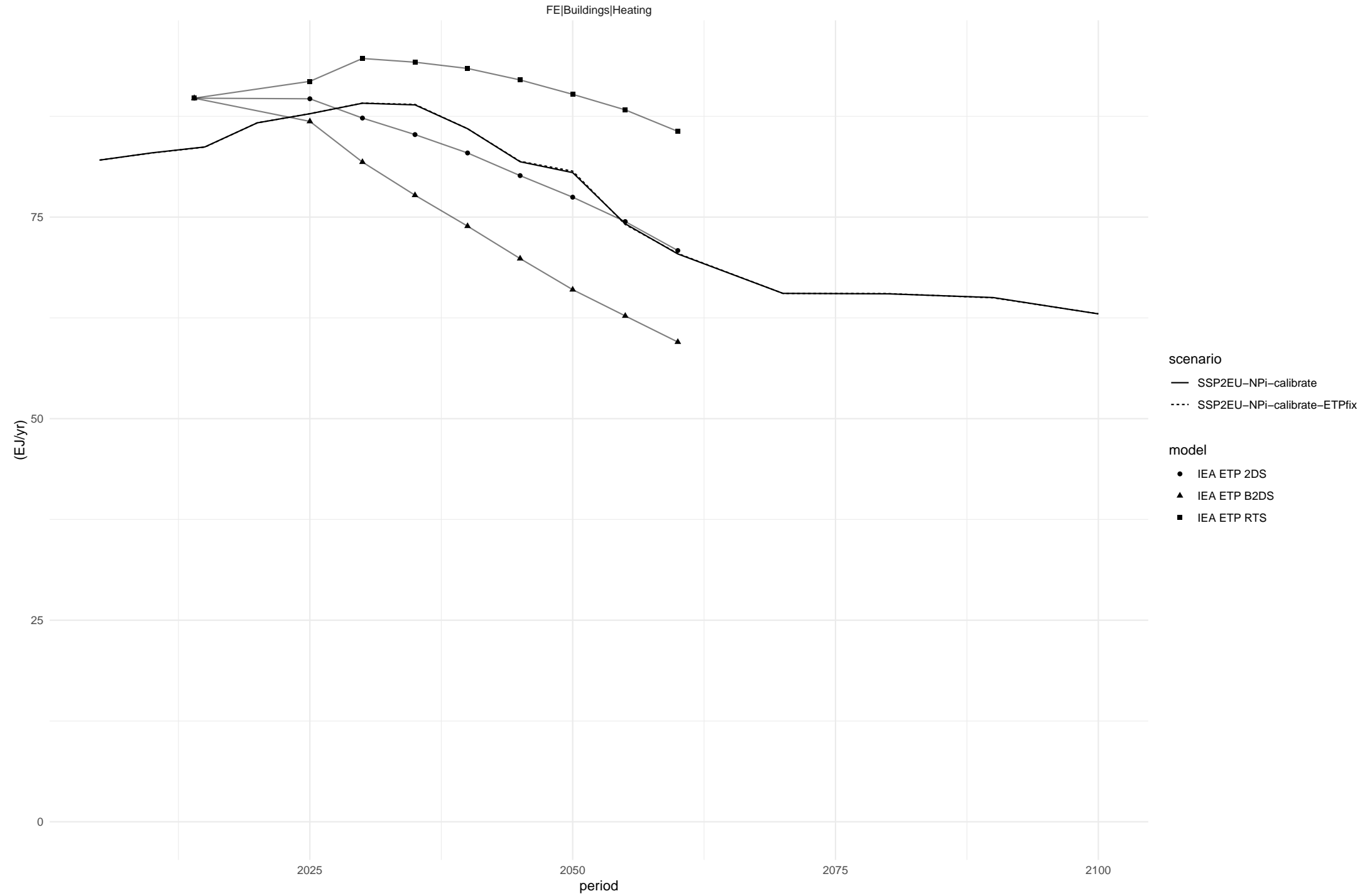


6.1.4 UE heating

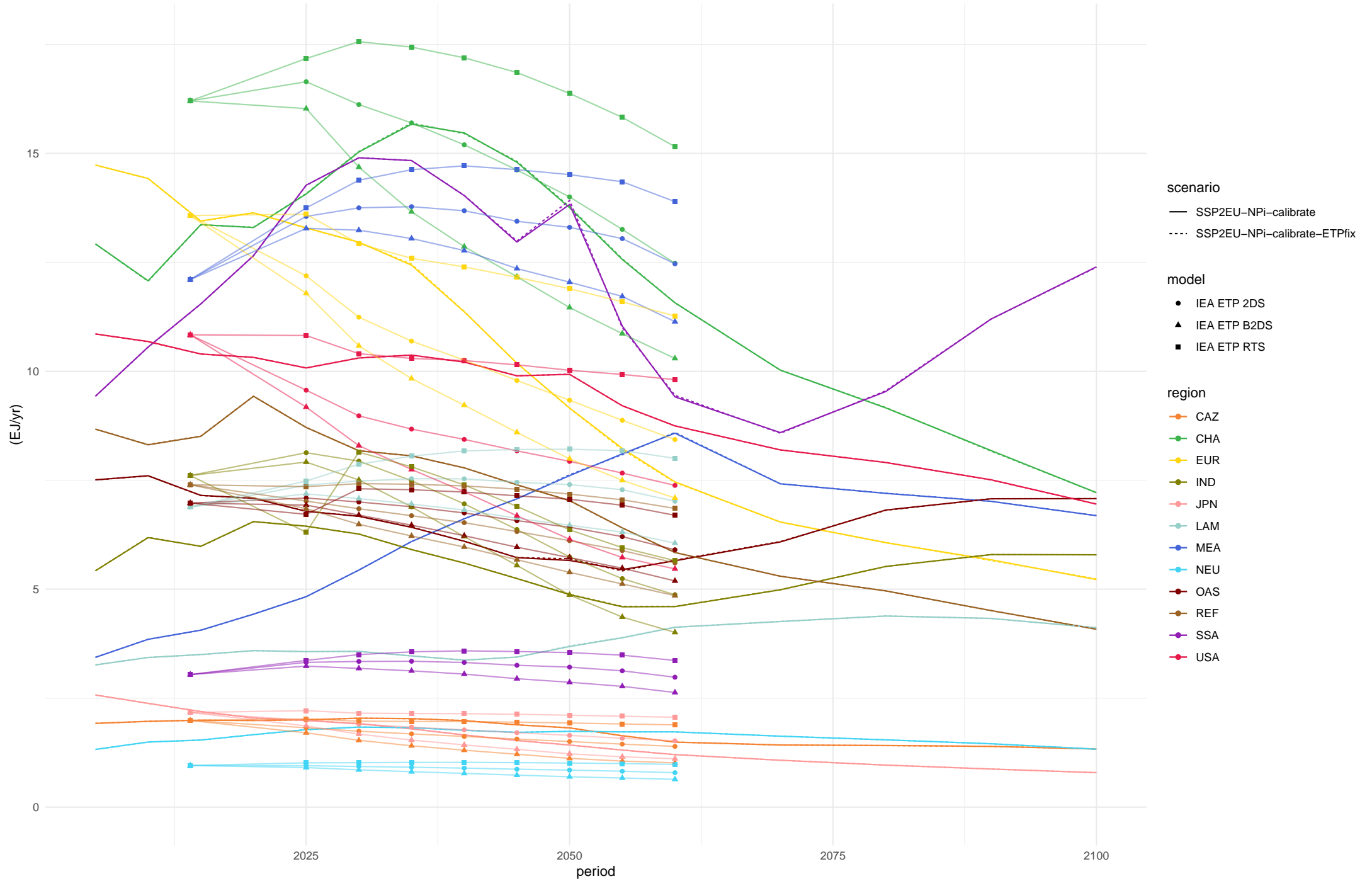


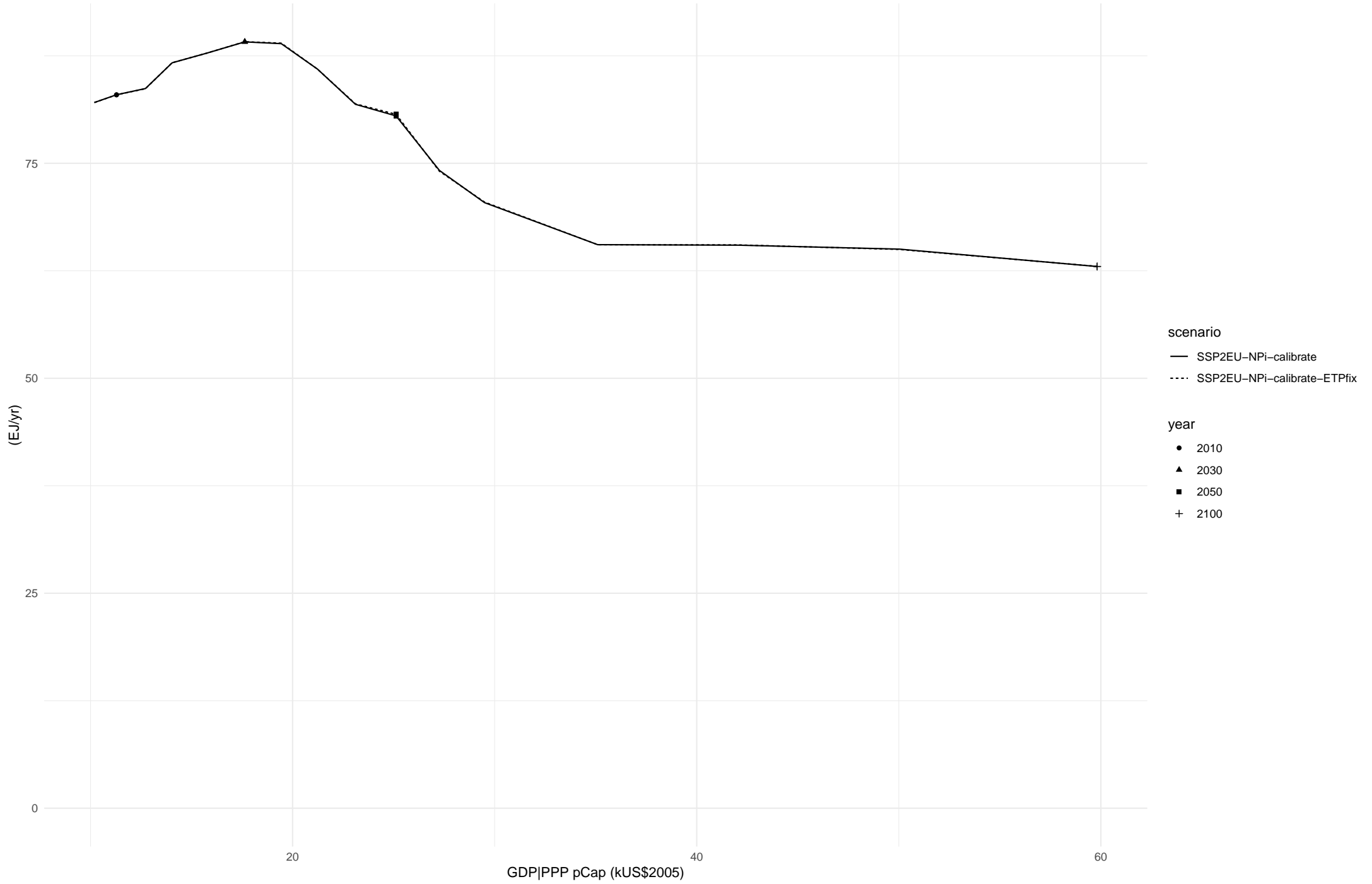


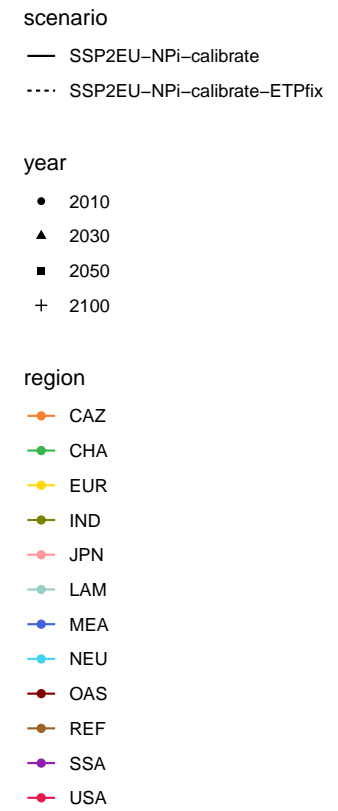
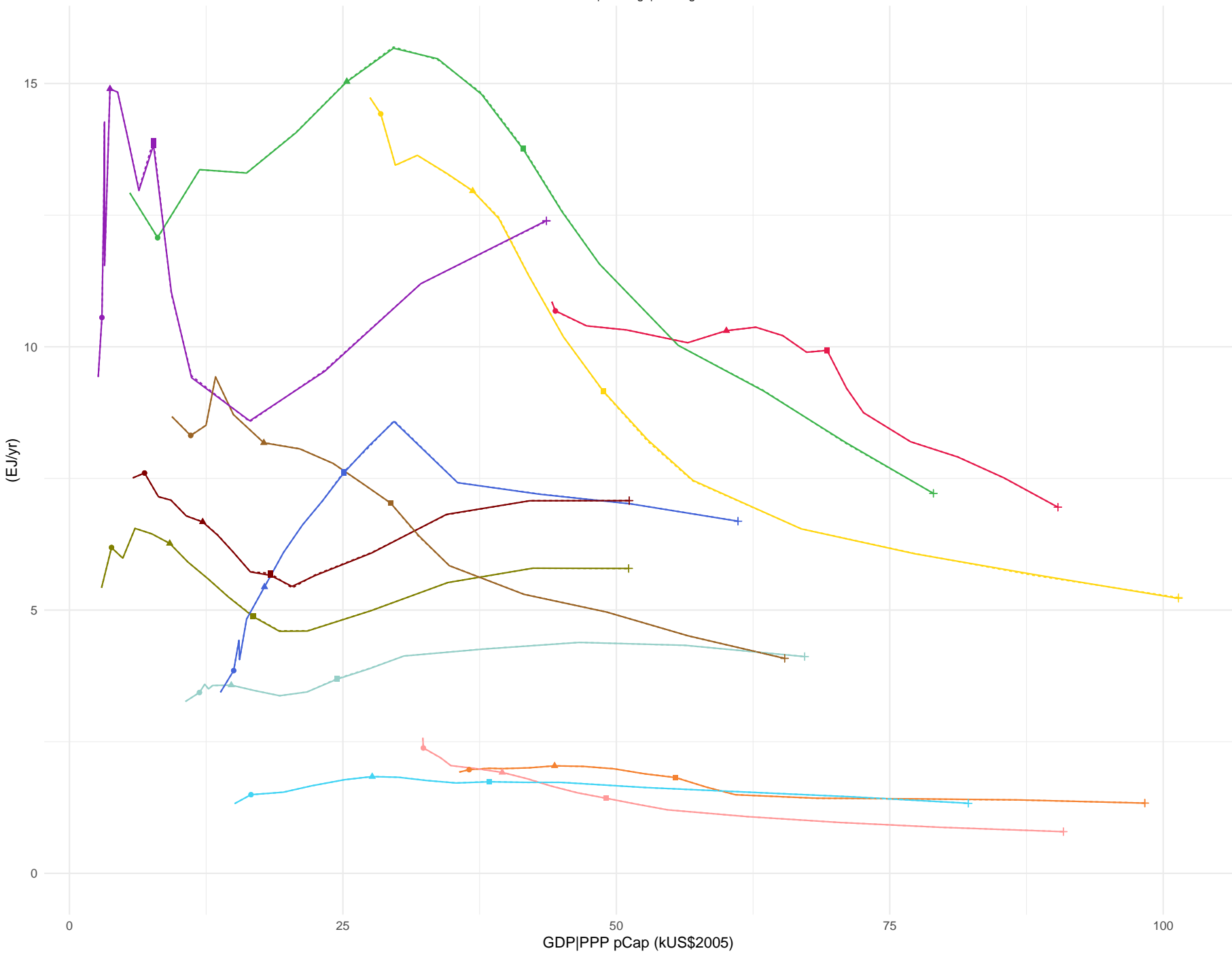
6.1.5 Region Intercomparison FE|Buildings



FE|Buildings|Heating

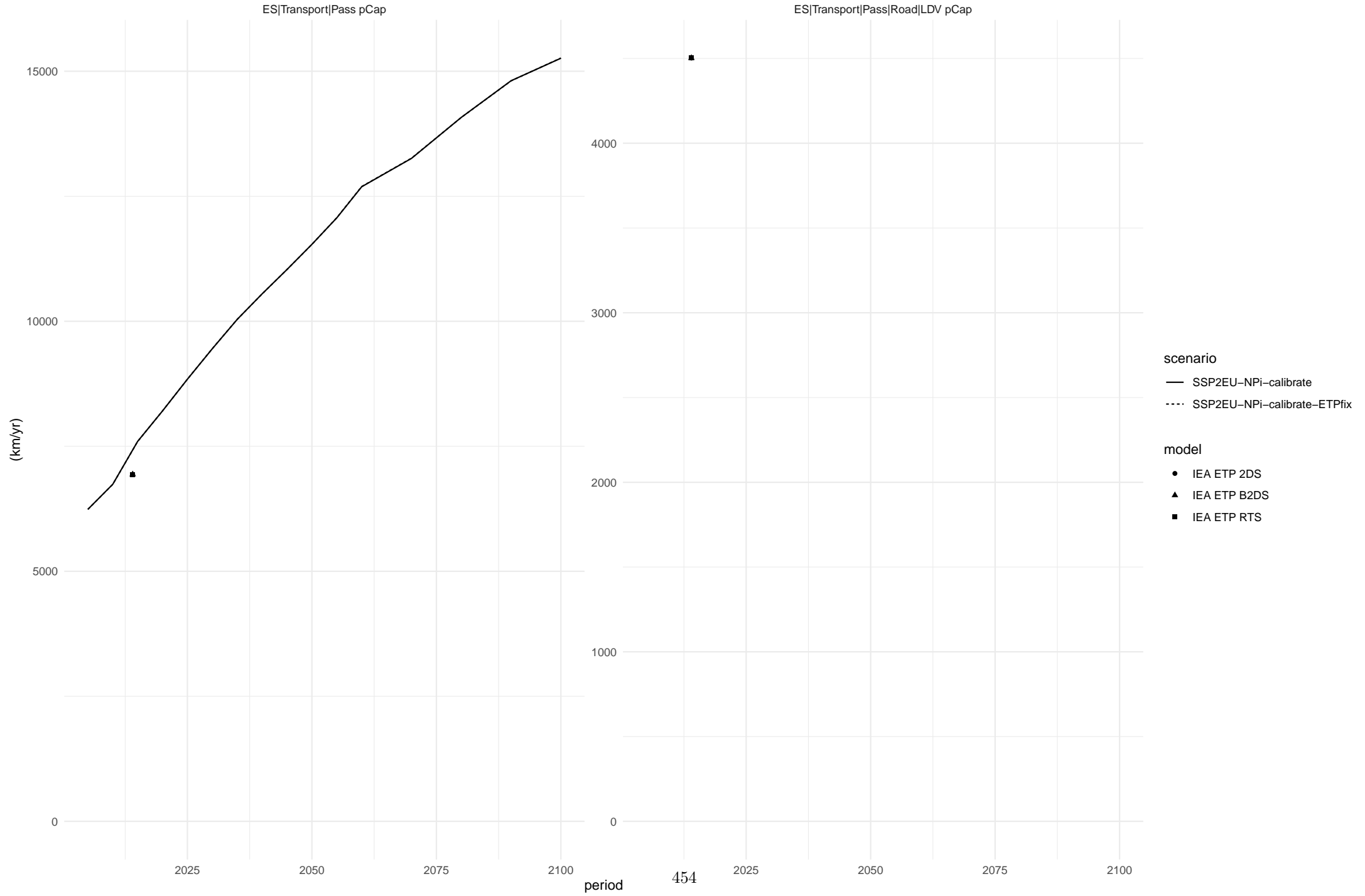


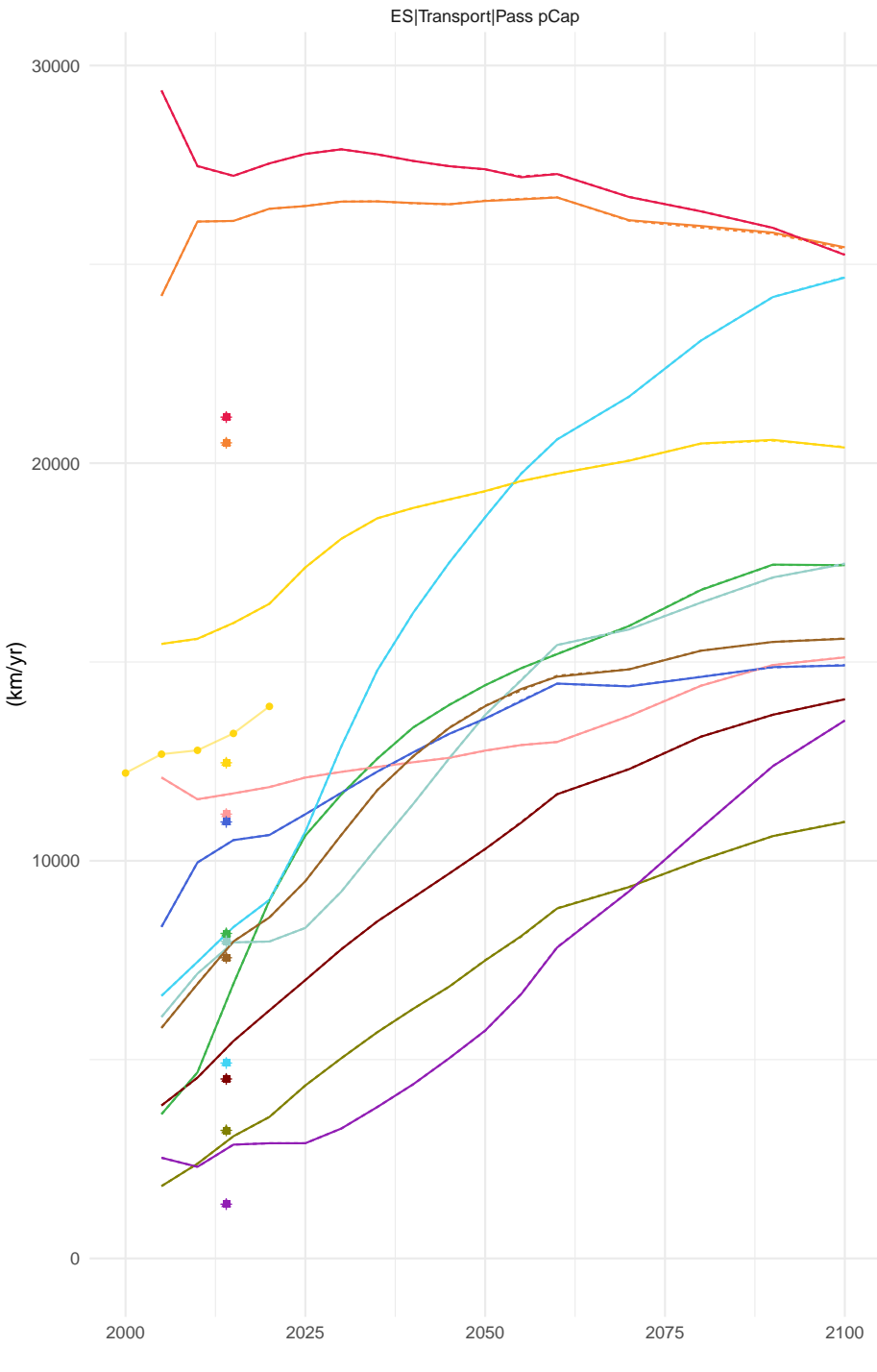




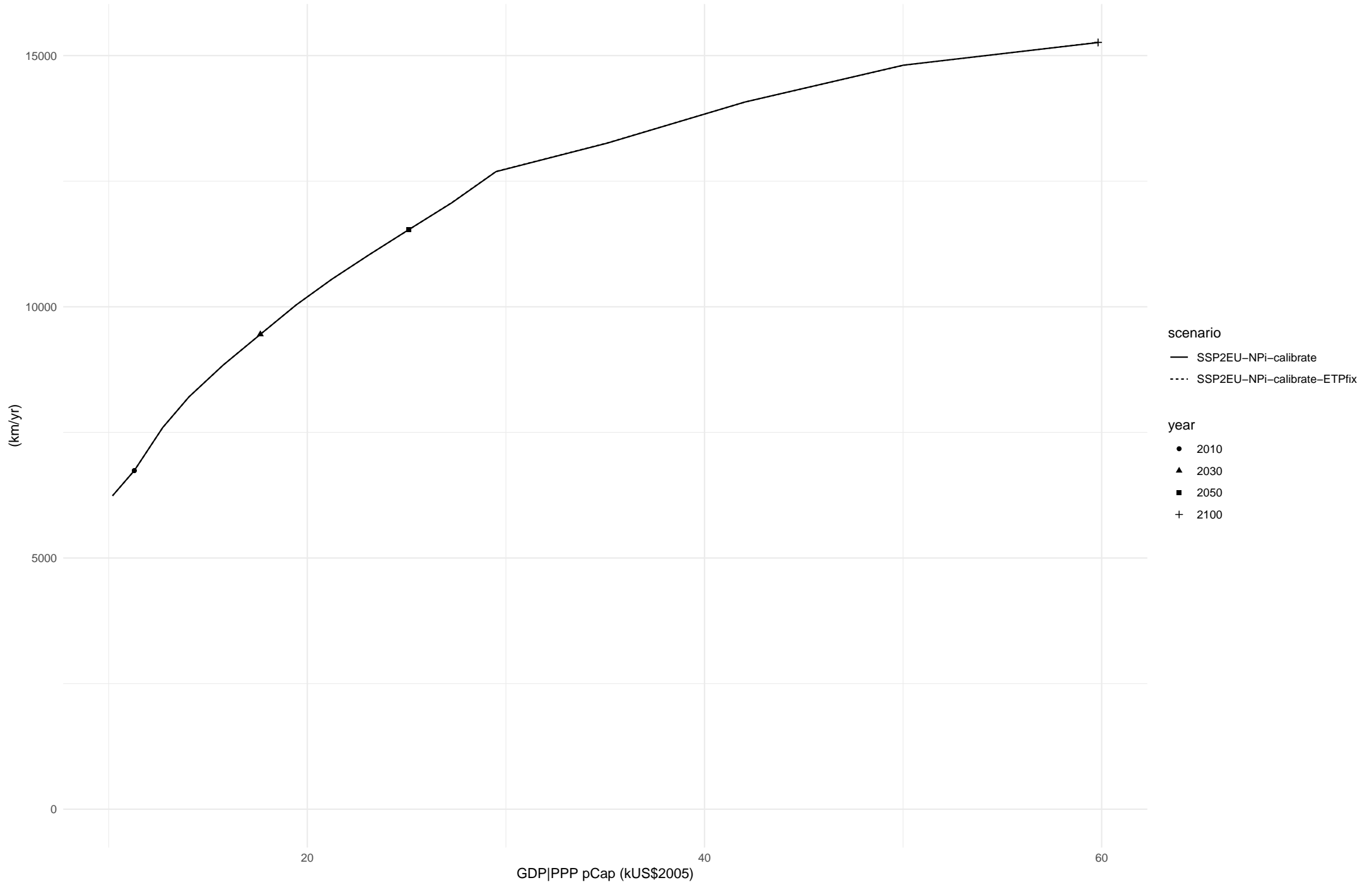
6.2 Transport

6.2.1 Energy Services for Passenger Transport per Capita - LinePlot

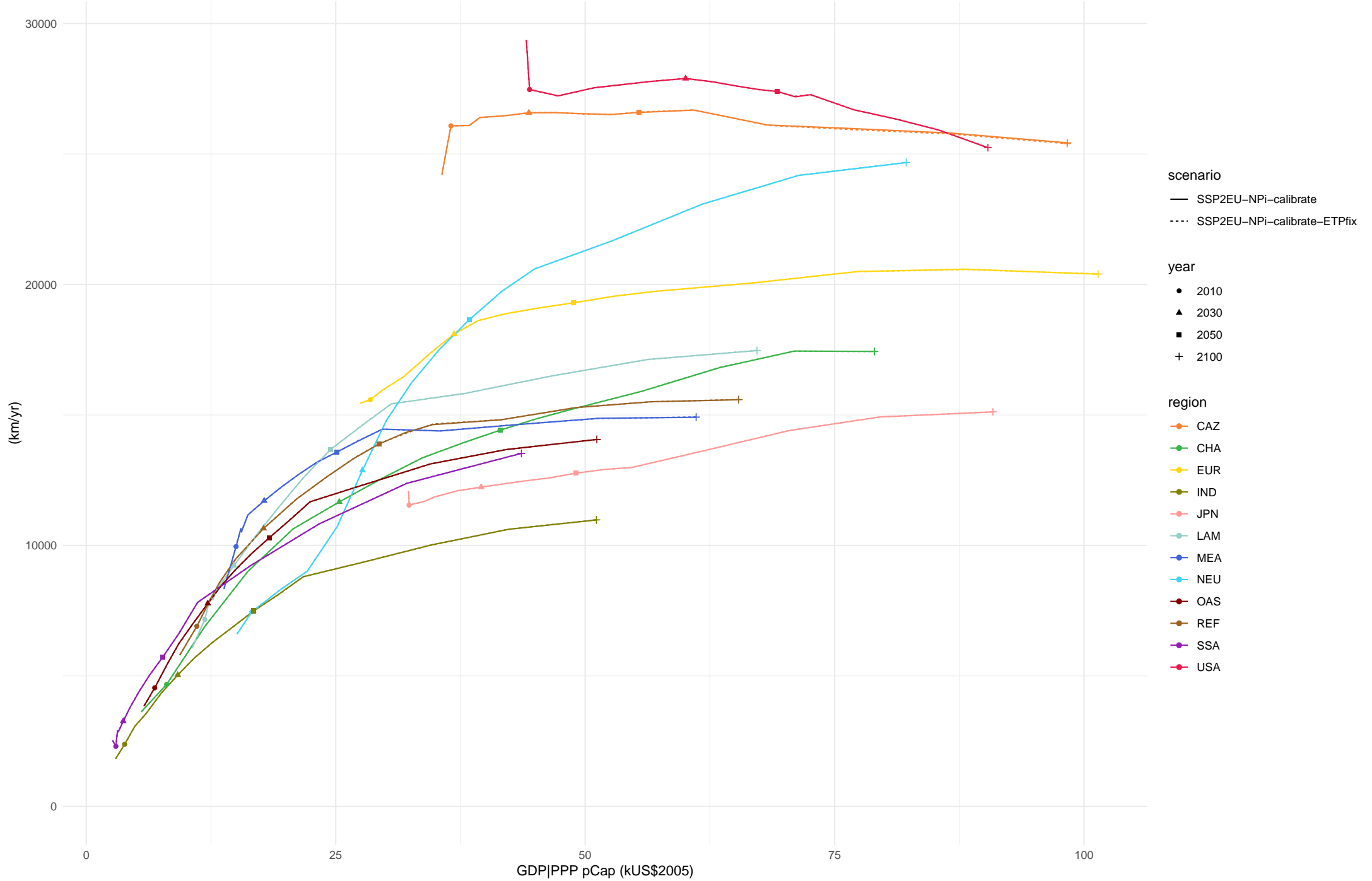




- scenario
- SSP2EU-NPi-calibrate
 - SSP2EU-NPi-calibrate-ETPfix
- model
- EU_ReferenceScenario_2016
 - ▲ IEA ETP 2DS
 - IEA ETP B2DS
 - + IEA ETP RTS
- region
- CAZ
 - CHA
 - EUR
 - IND
 - JPN
 - LAM
 - MEA
 - OAS
 - REF
 - SSA
 - USA

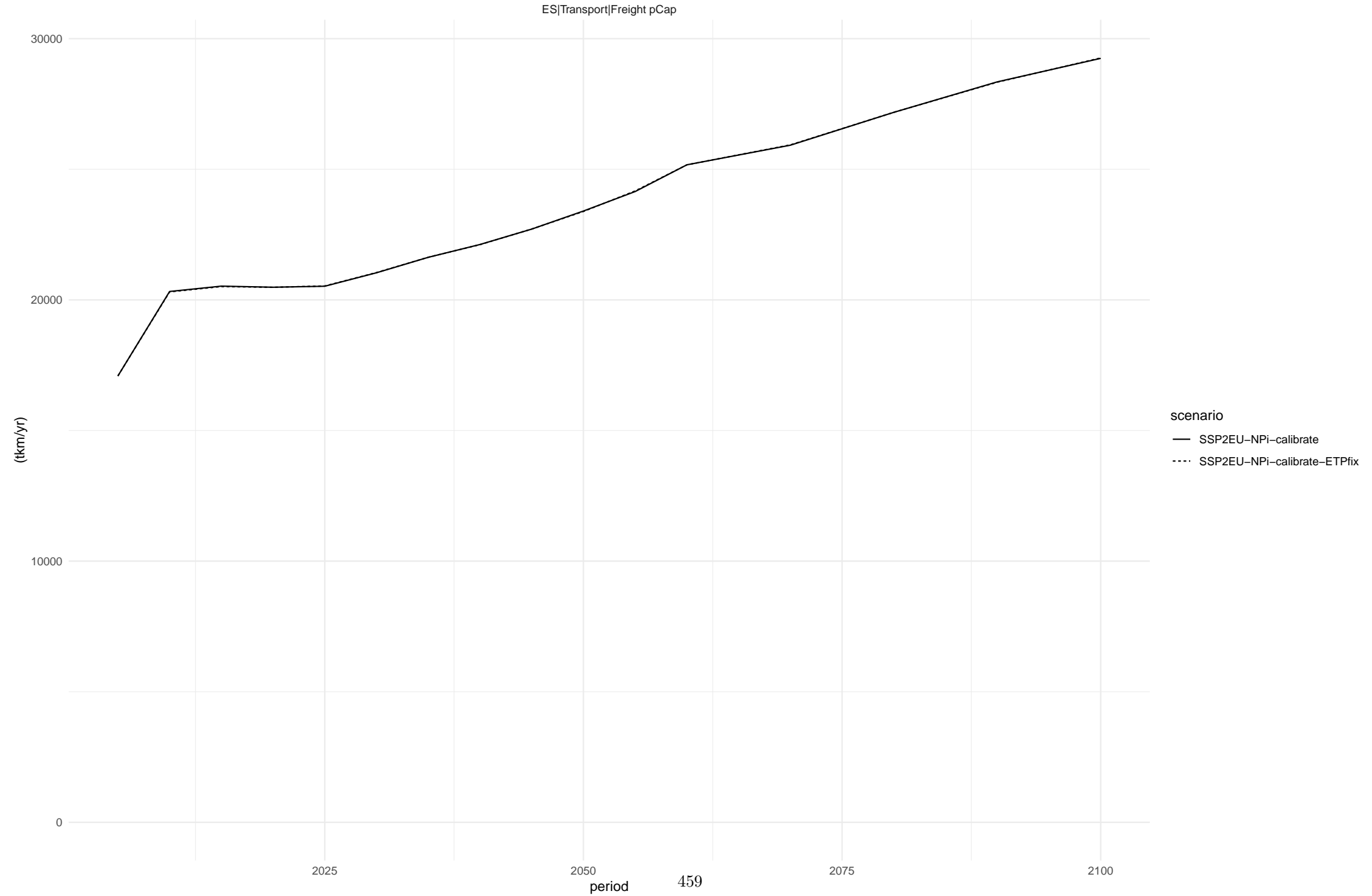


ES|Transport|Pass pCap

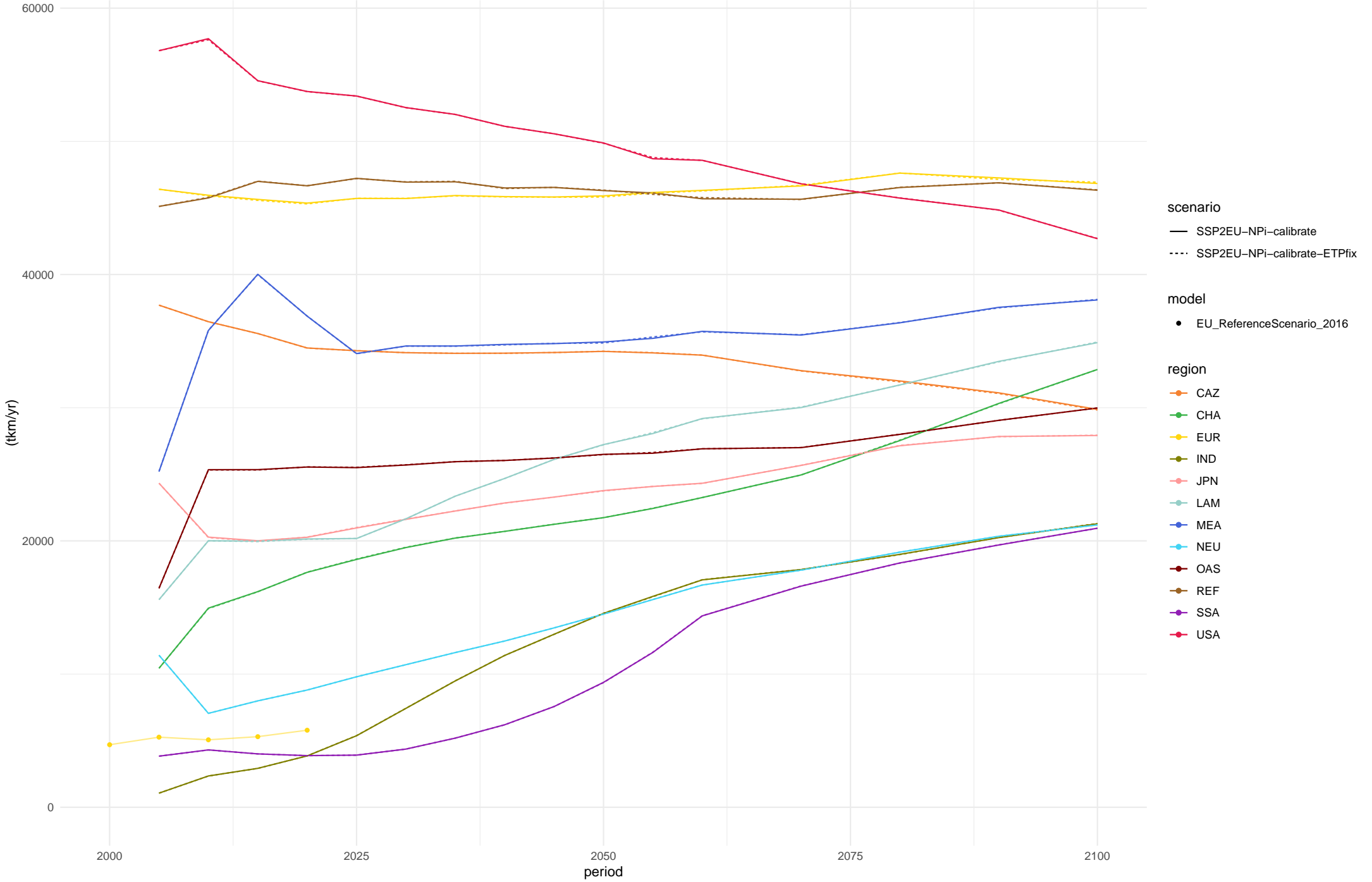


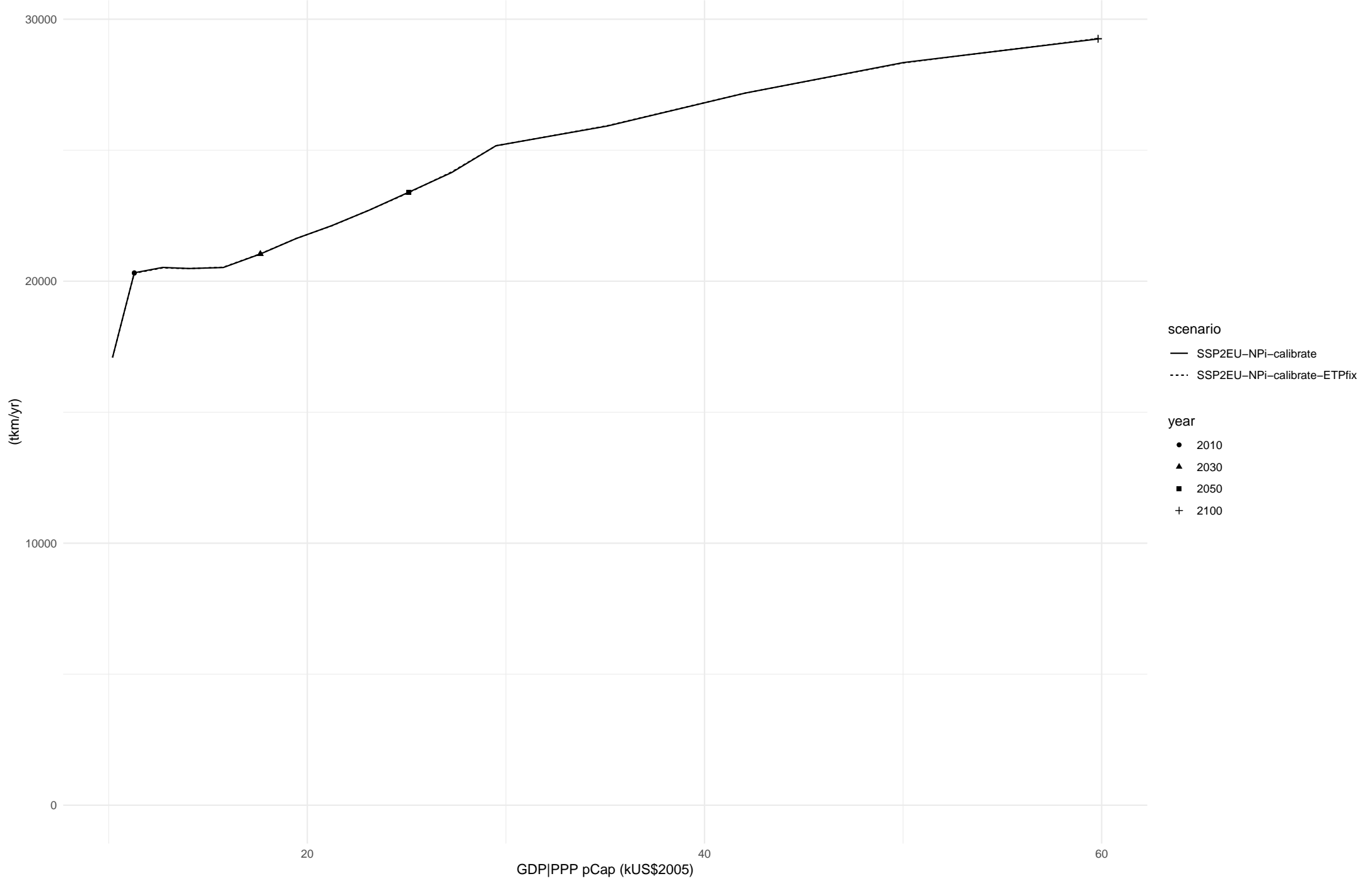
6.2.2 Energy Services for Passenger Transport LDV per Capita - StackedBars

6.2.3 Energy Services for Freight Transport per Capita - LinePlot

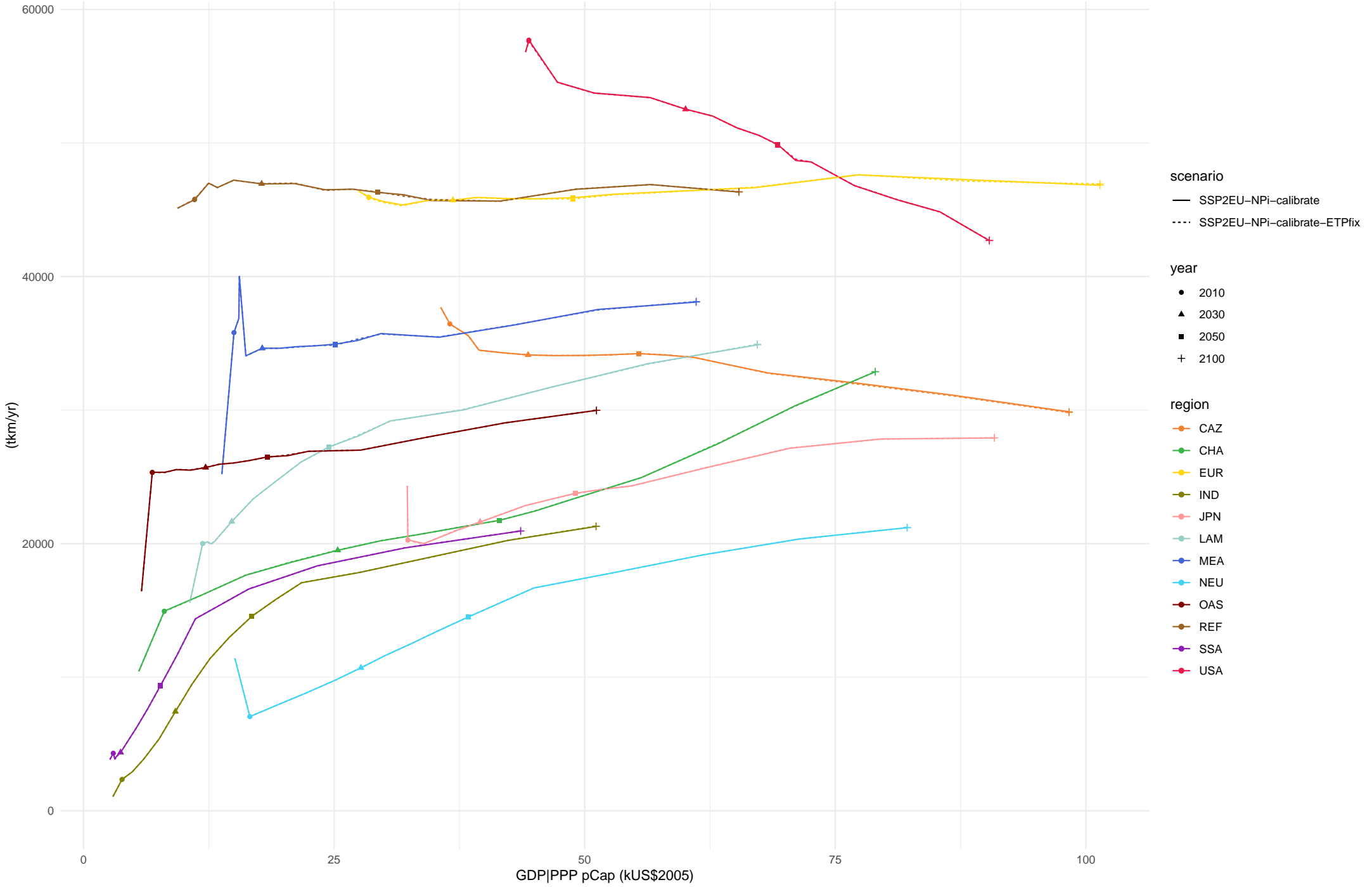


ES|Transport|Freight pCap





ES|Transport|Freight pCap



6.2.4 Energy Services for Freight Road Transport per Capita - StackedBars

6.2.5 LDV Vehicles Stock - EDGE-T

6.2.6 LDV Vehicles Stock - TransportComplex

6.2.7 LDV Vehicles Sales - EDGE-T

6.2.8 LDV Vehicles Sales - TransportComplex

6.2.9 Truck Stock - EDGE-T

6.2.10 Truck Sales - EDGE-T

6.2.11 Bus Stock - EDGE-T

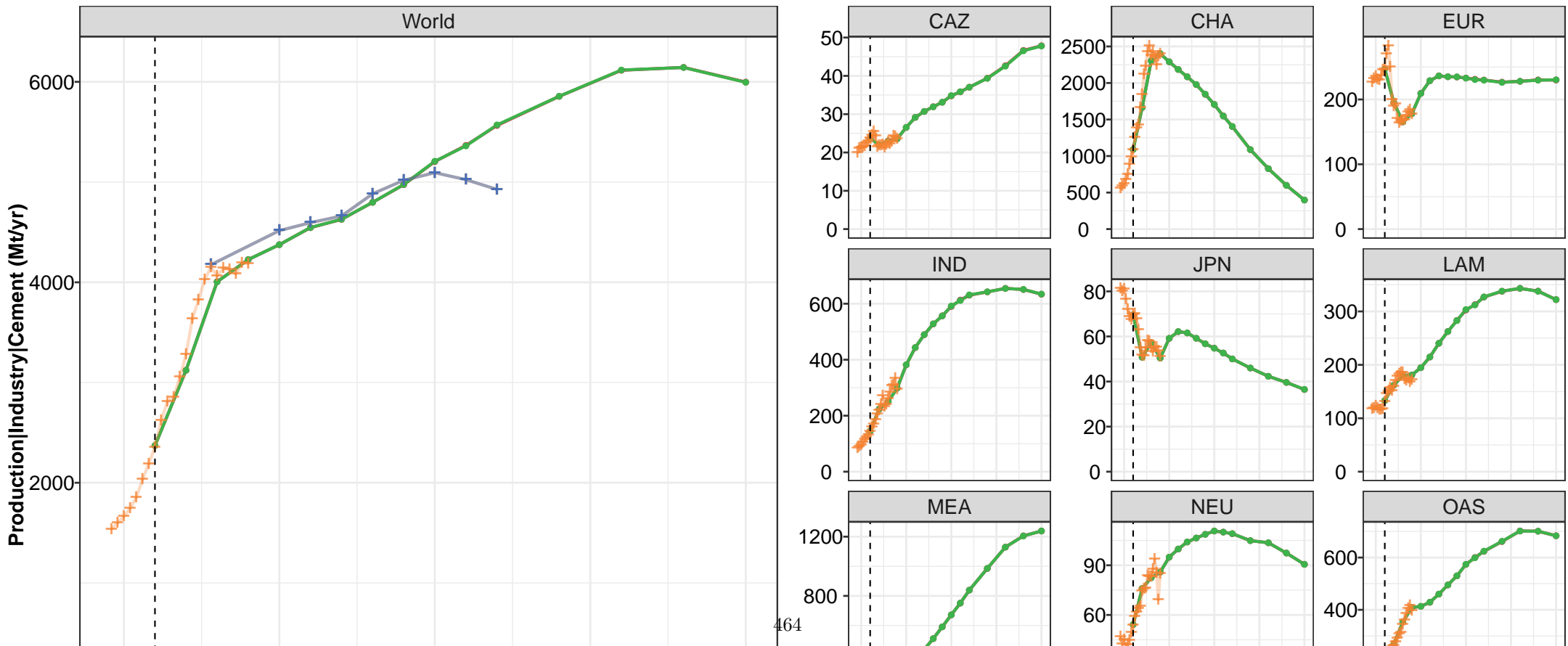
6.2.12 Bus Sales - EDGE-T

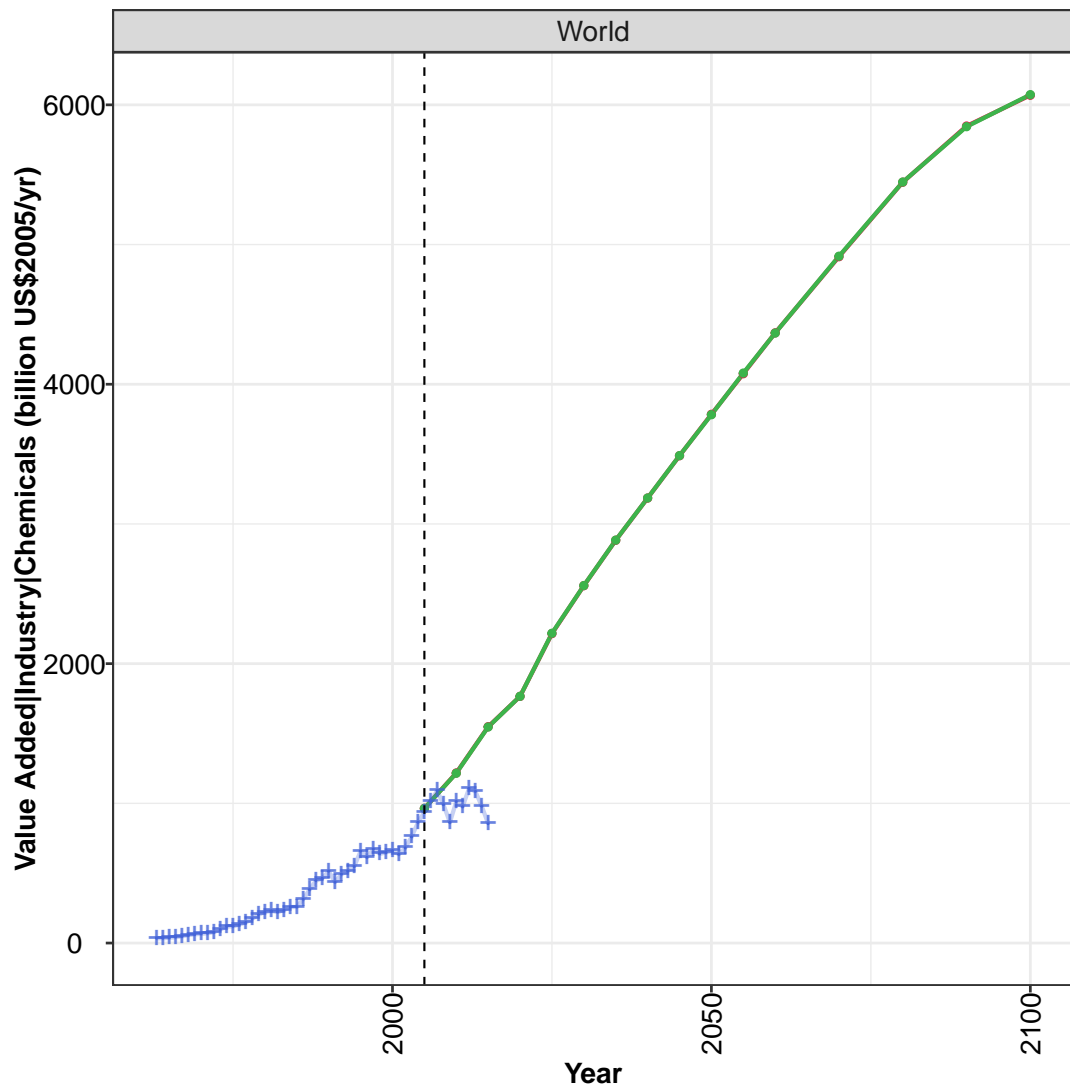
6.2.13 non-LDV Vehicles Stock - TransportComplex

6.2.14 non-LDV Vehicles Sales - TransportComplex

6.3 Industry Production

6.3.1 Subsector Production



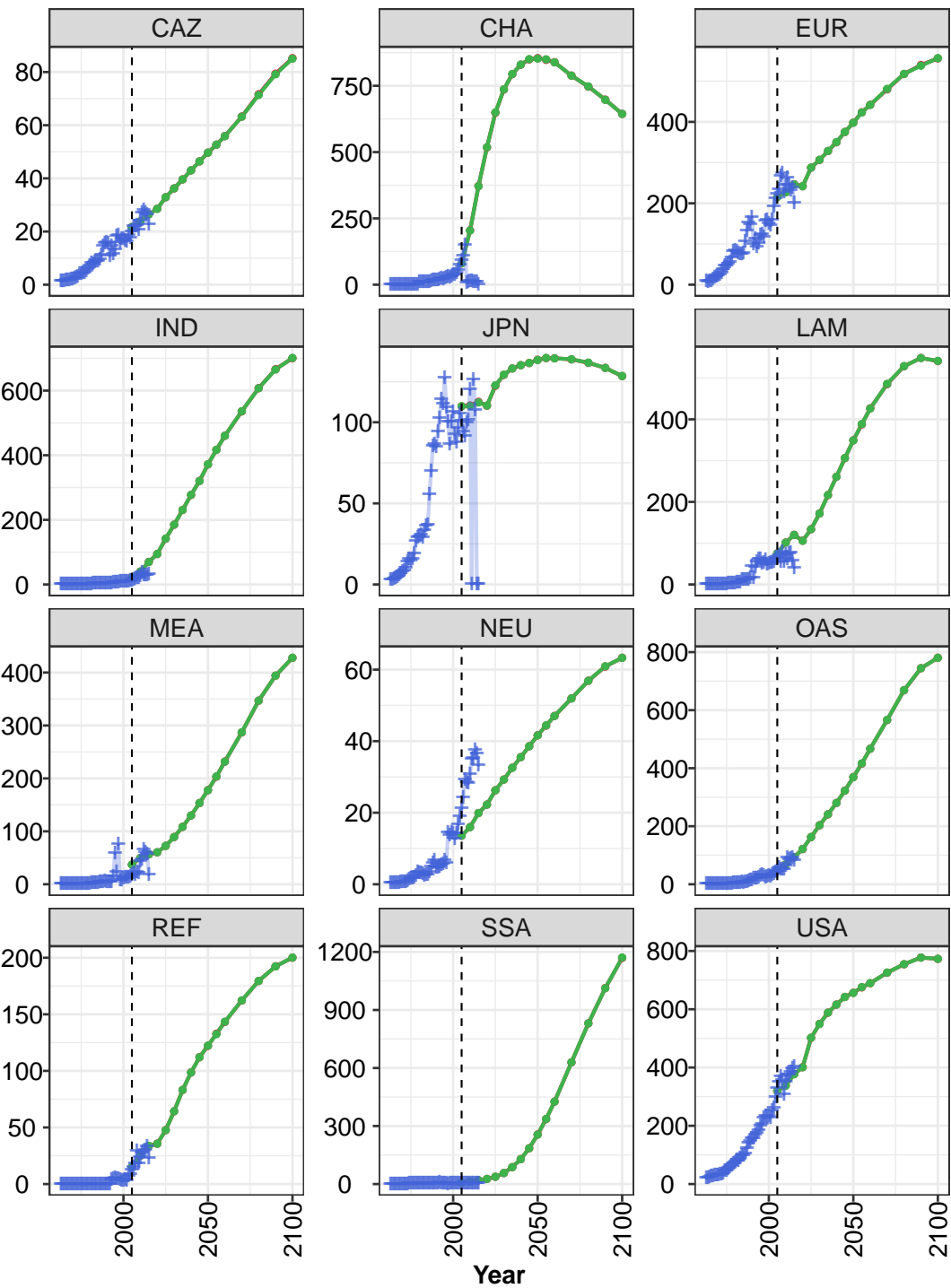


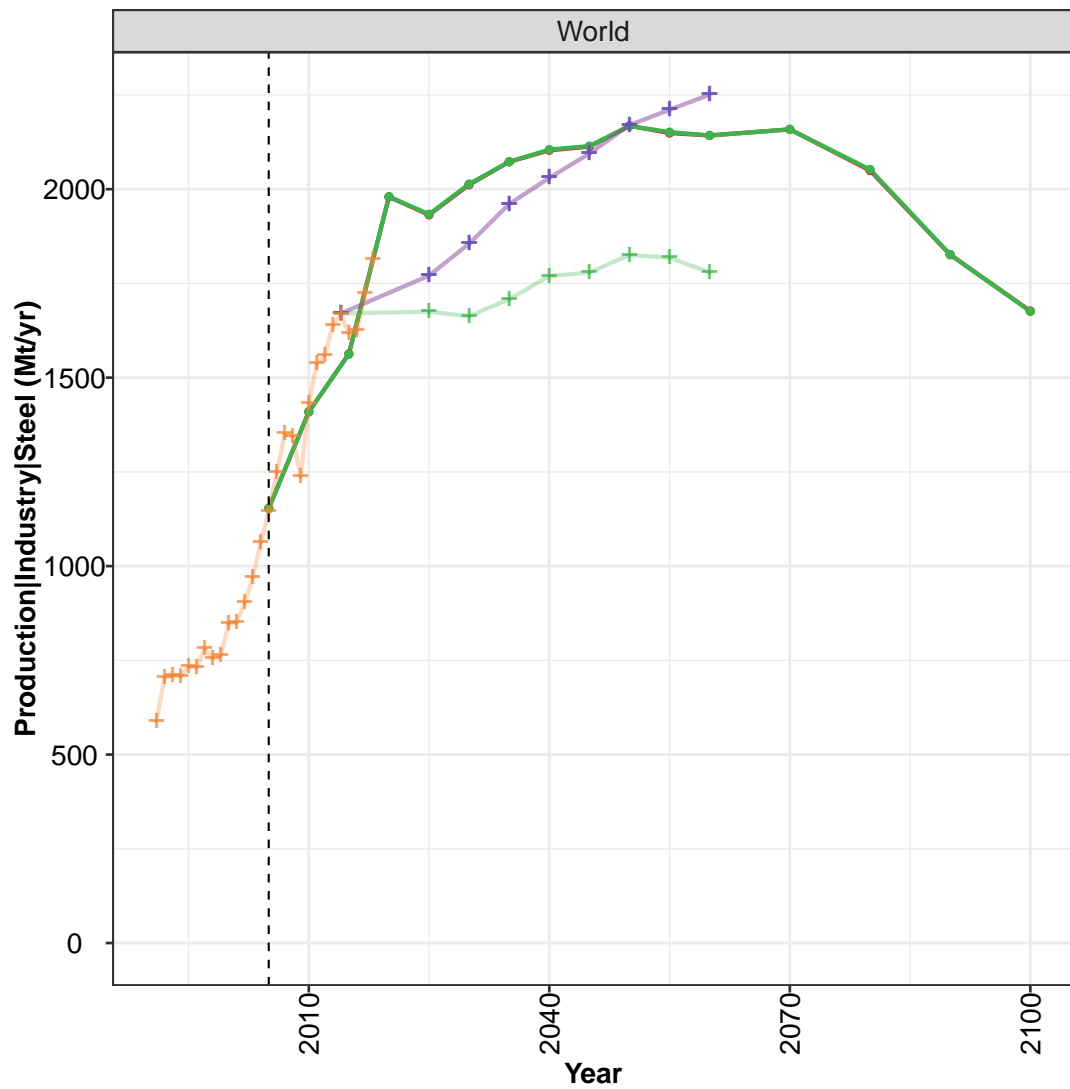
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + INDSTAT2



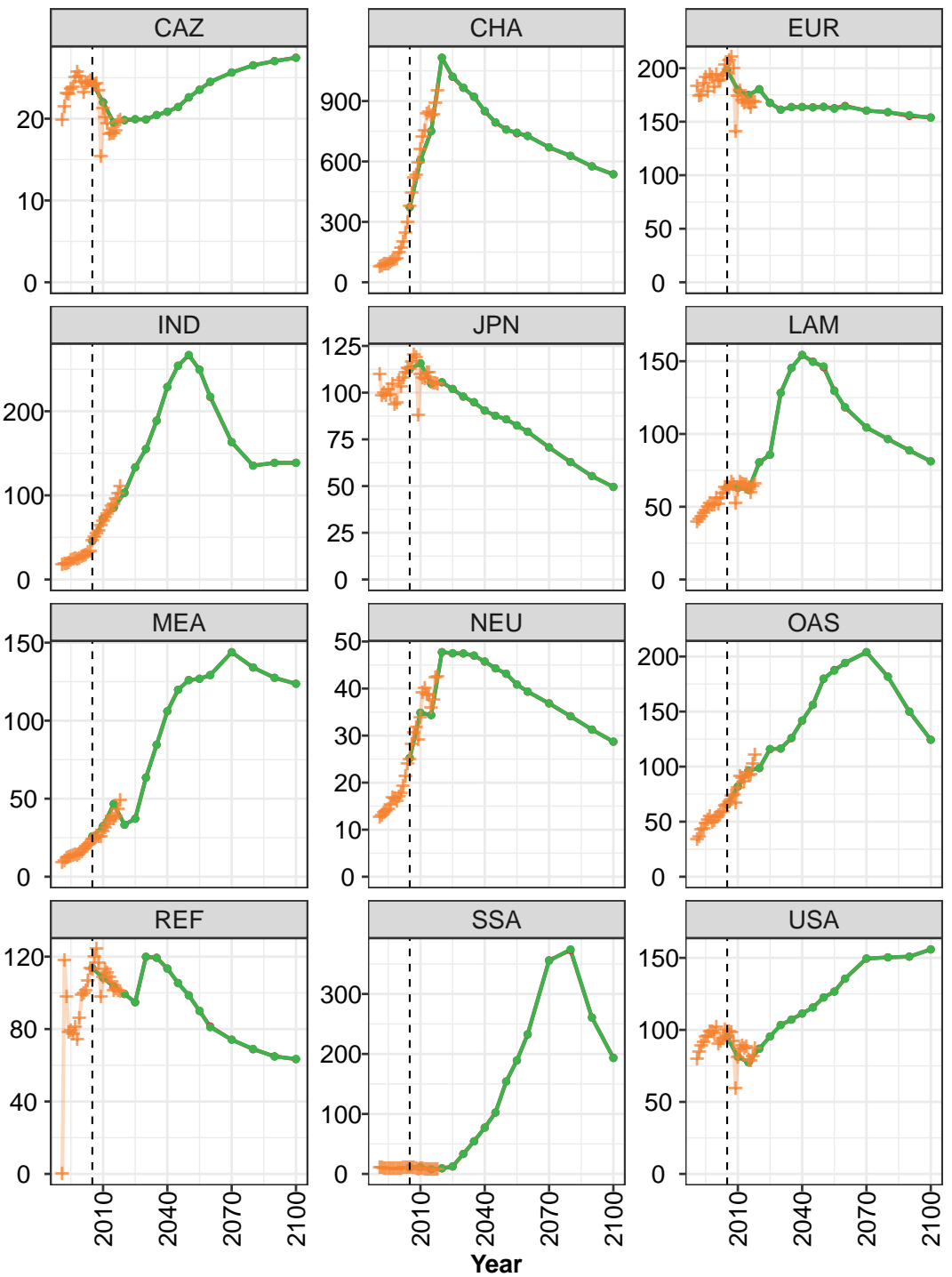


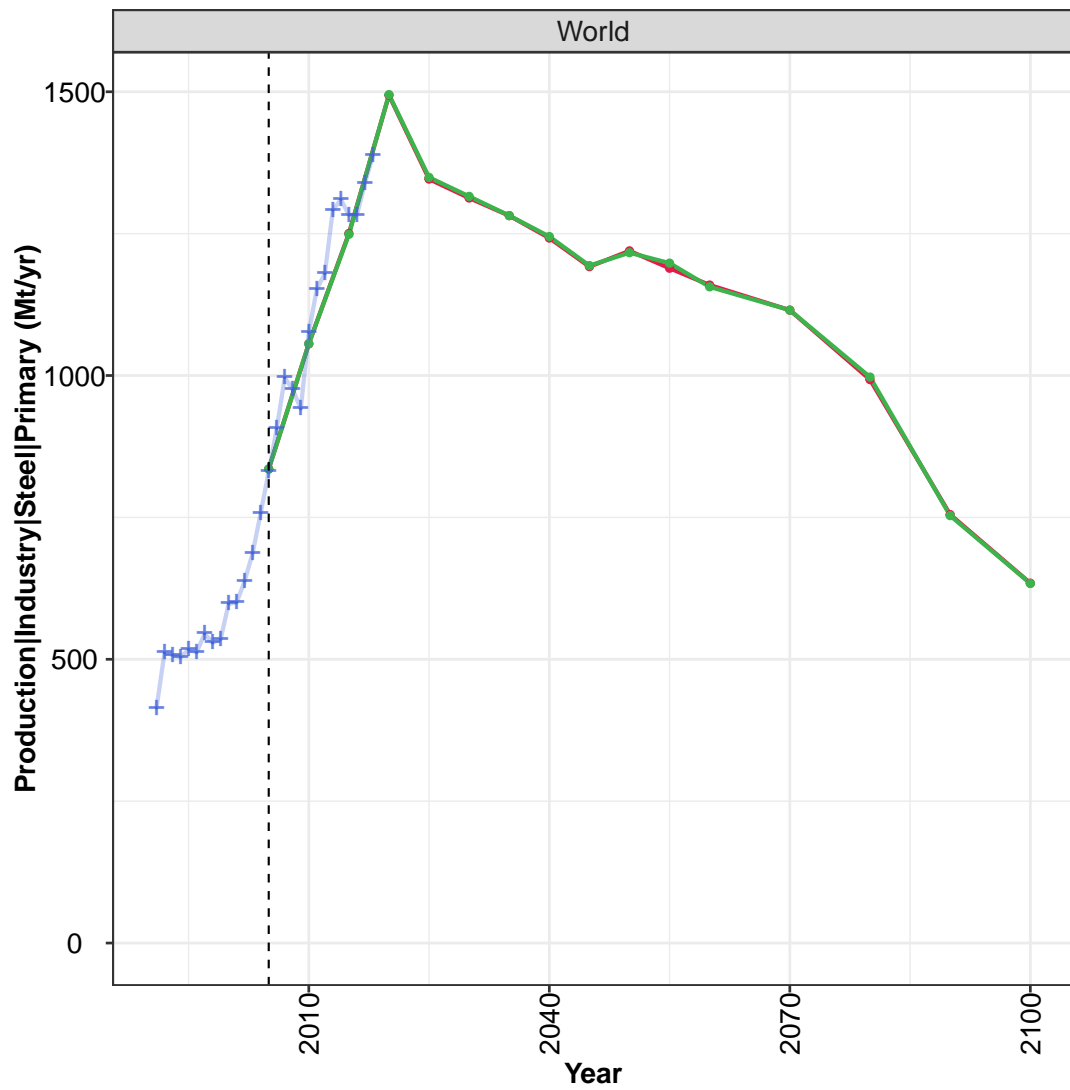
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + IEA ETP 2DS
- + IEA ETP B2DS
- + IEA ETP RTS
- + Worldsteel



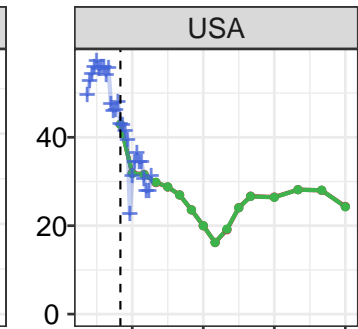
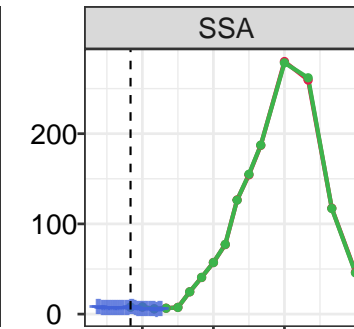
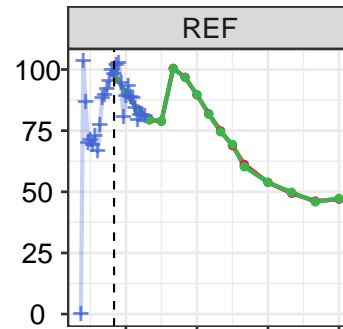
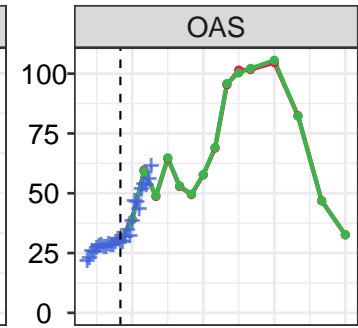
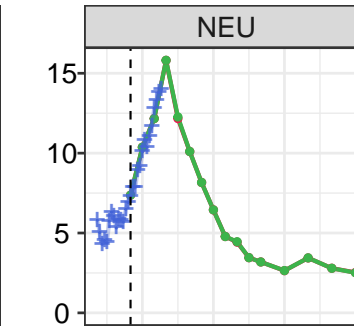
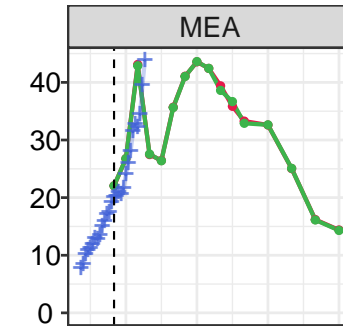
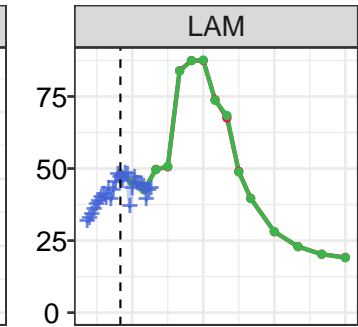
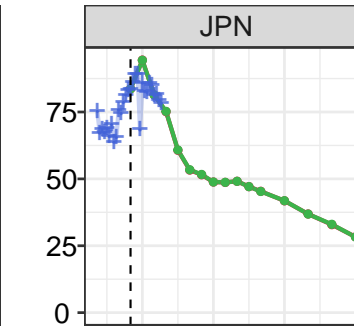
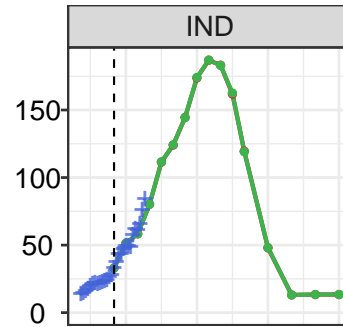
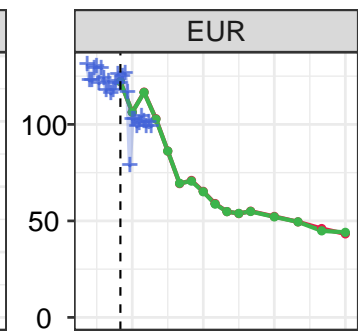
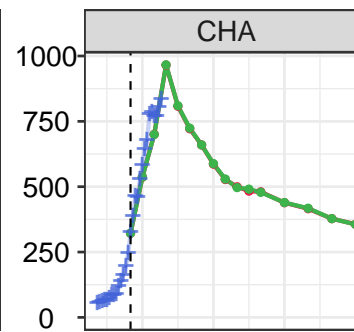
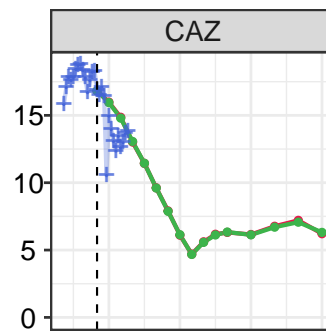


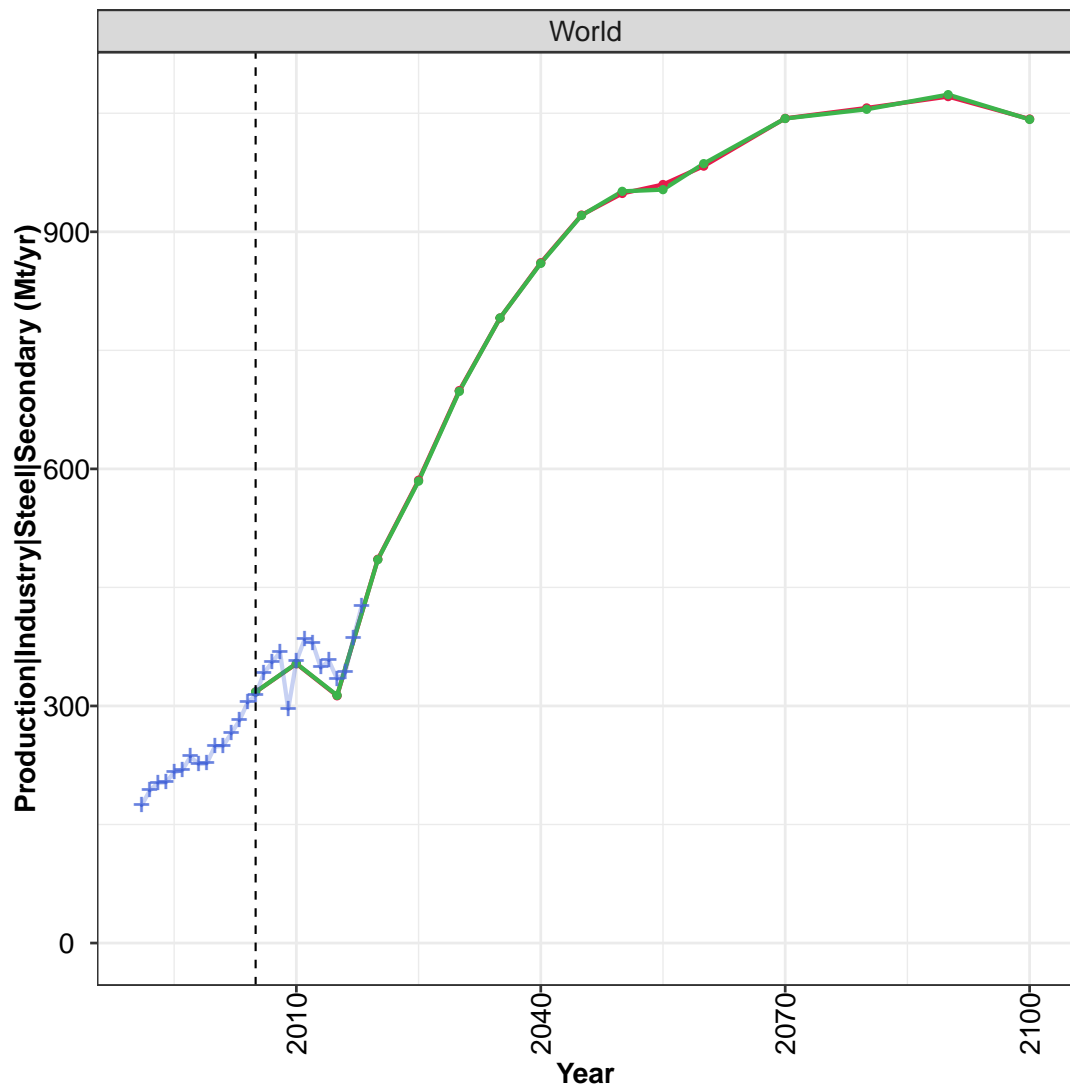
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + Worldsteel



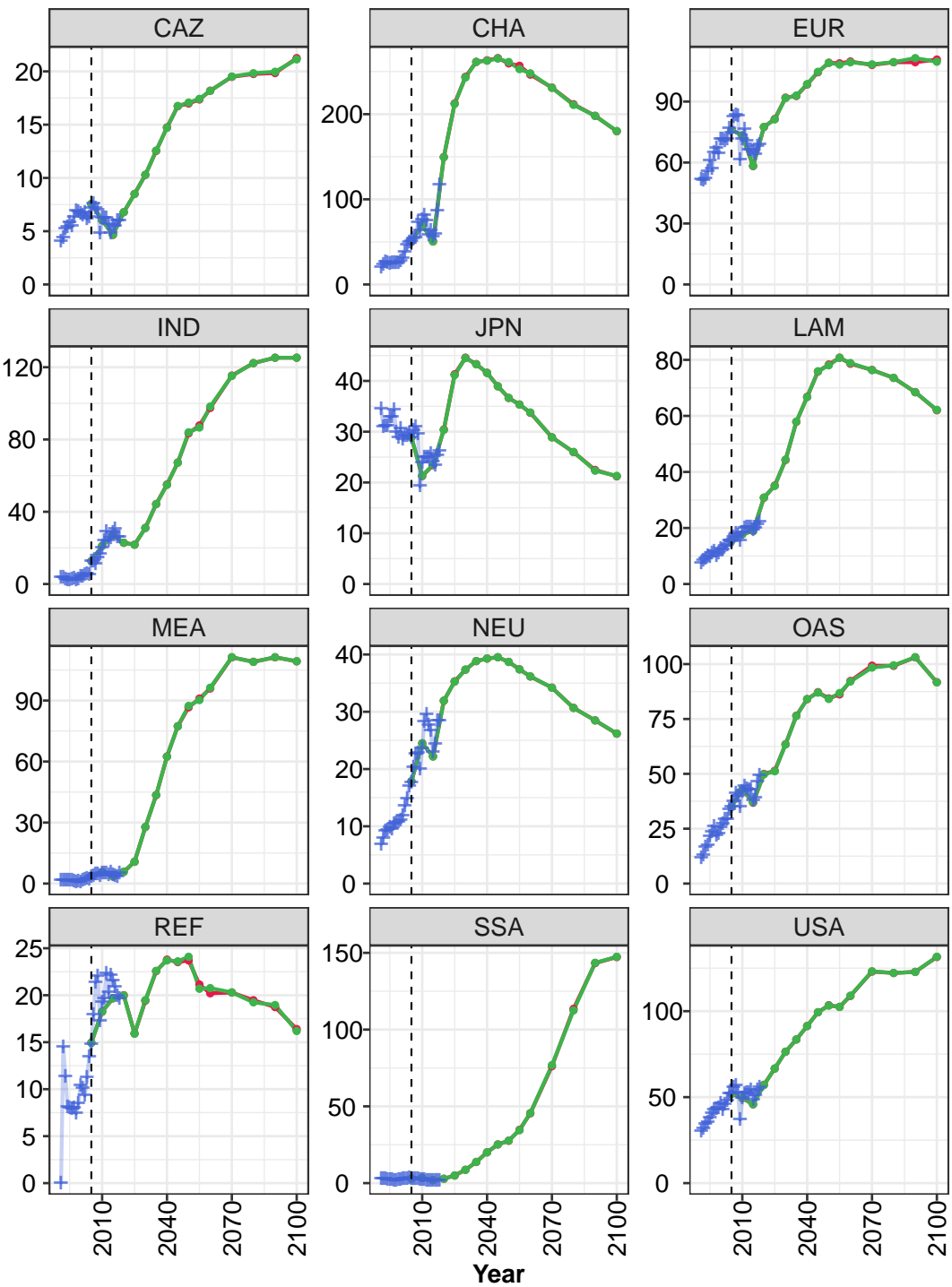


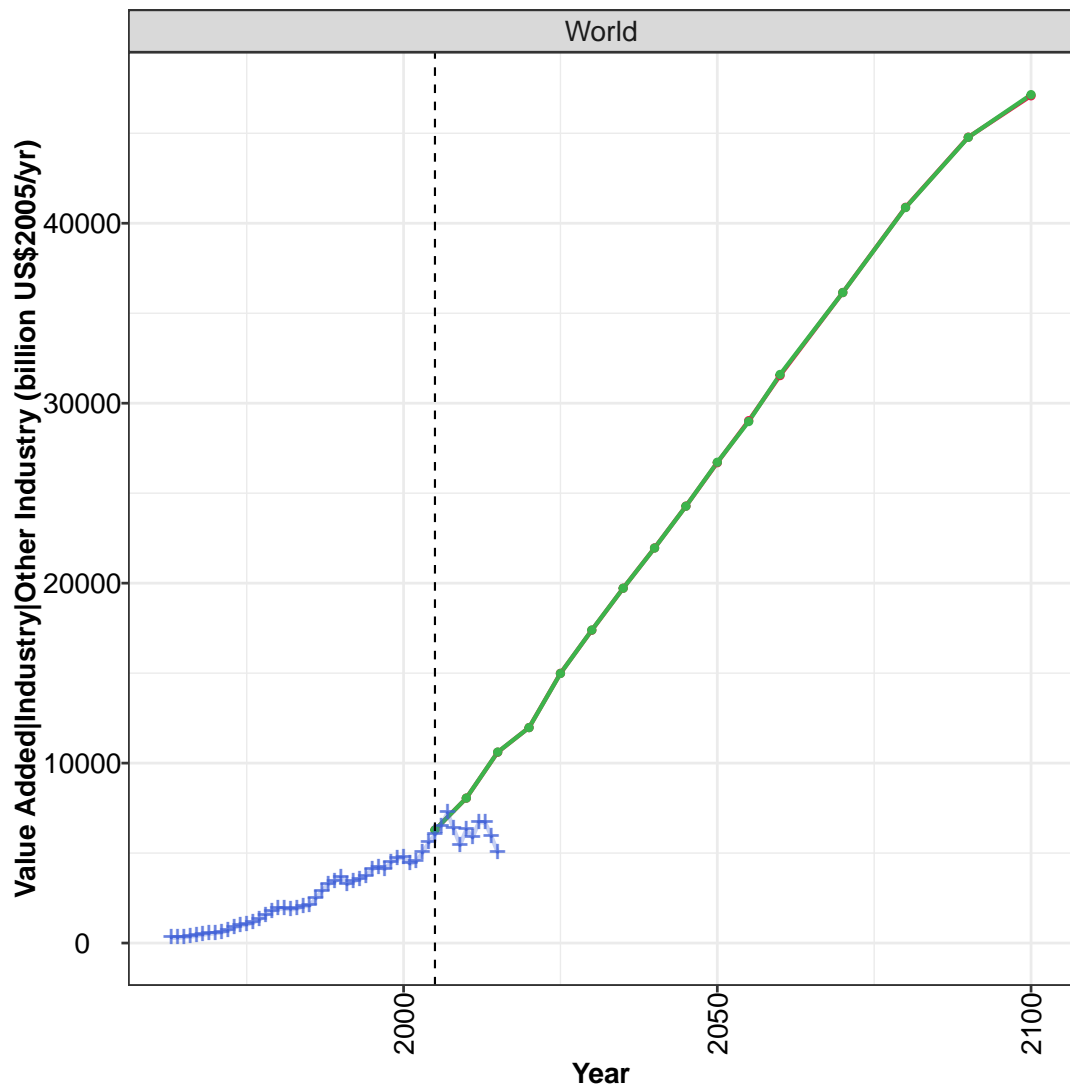
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

- + Worldsteel



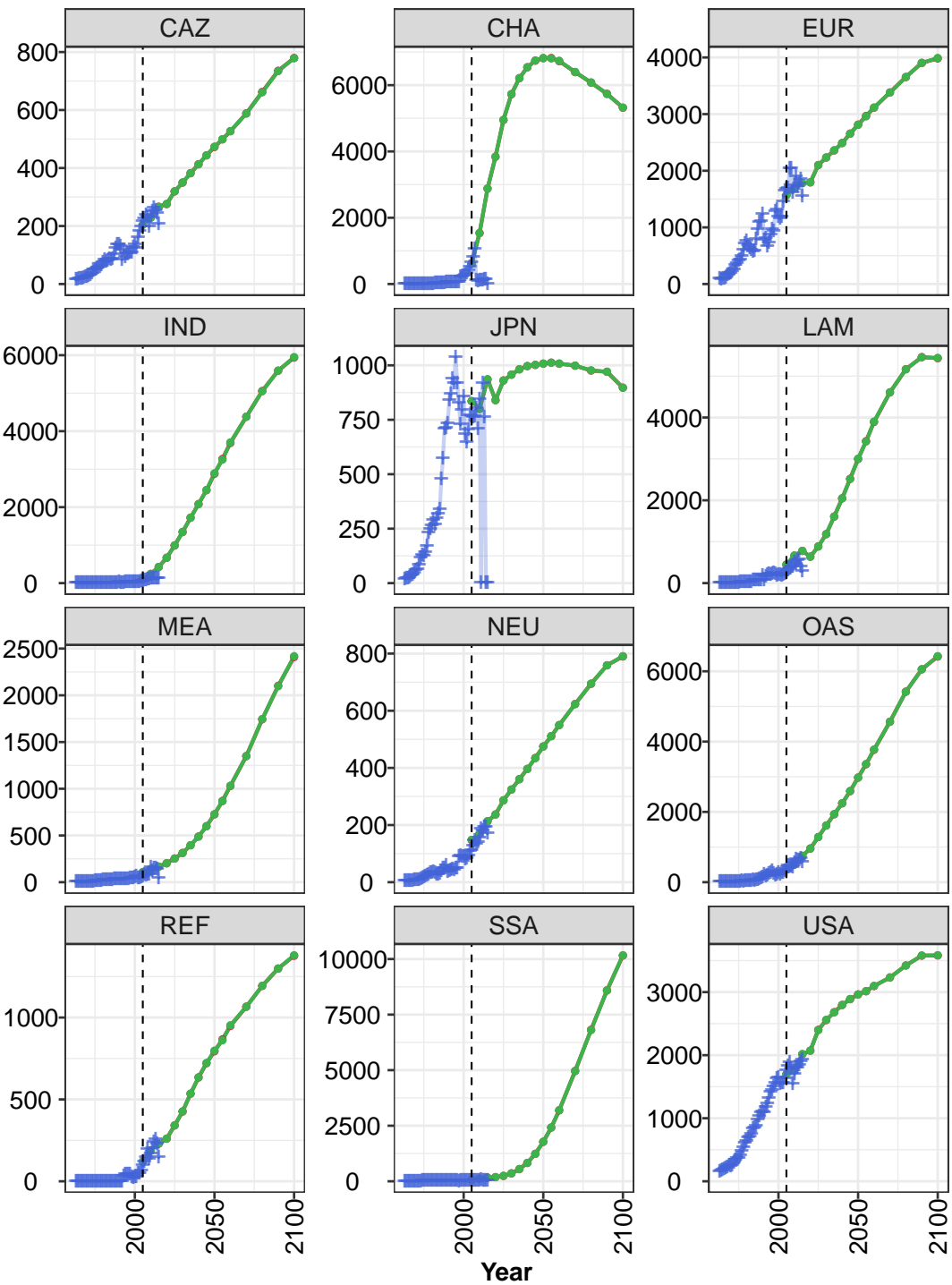


Model: REMIND

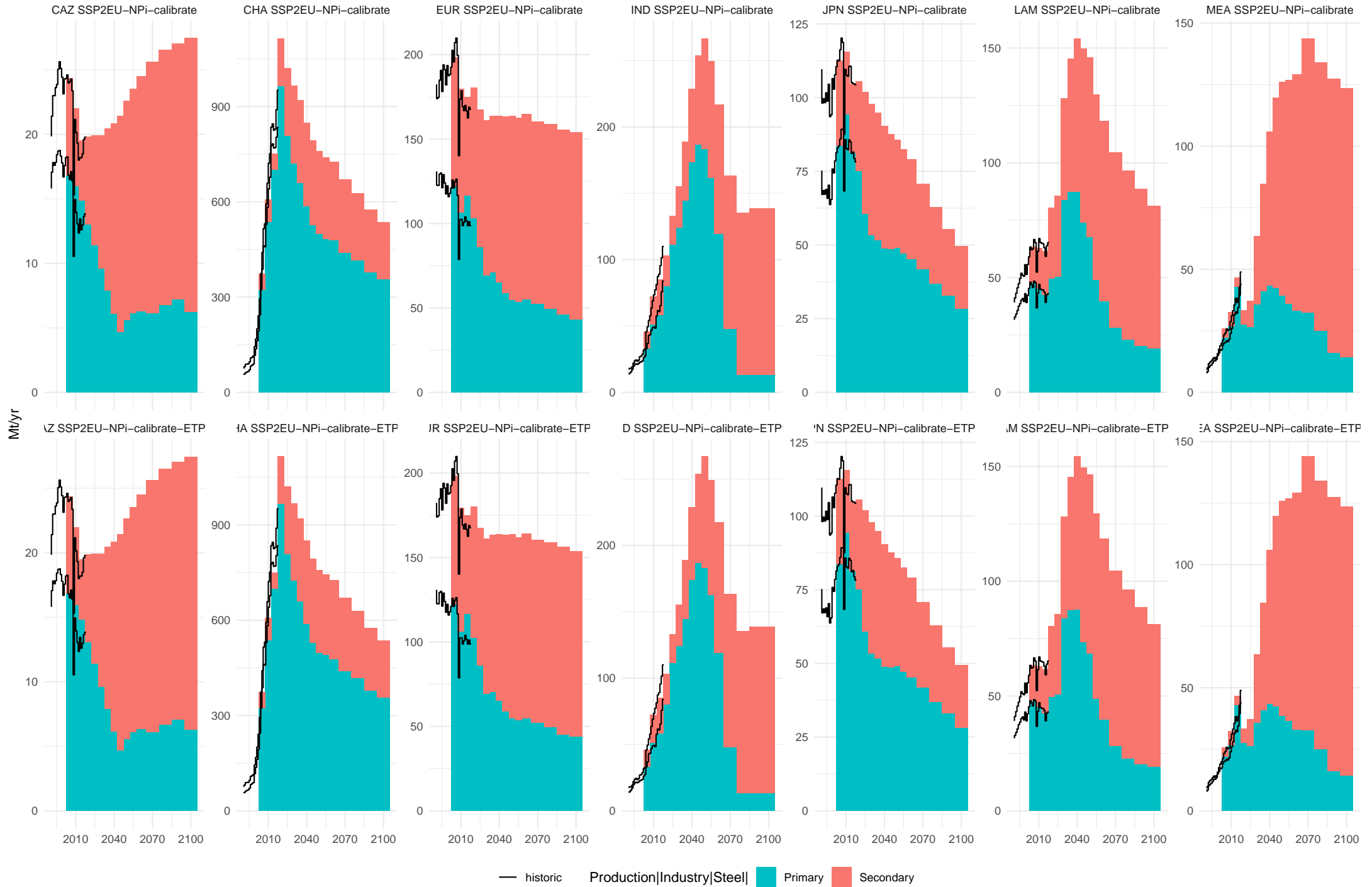
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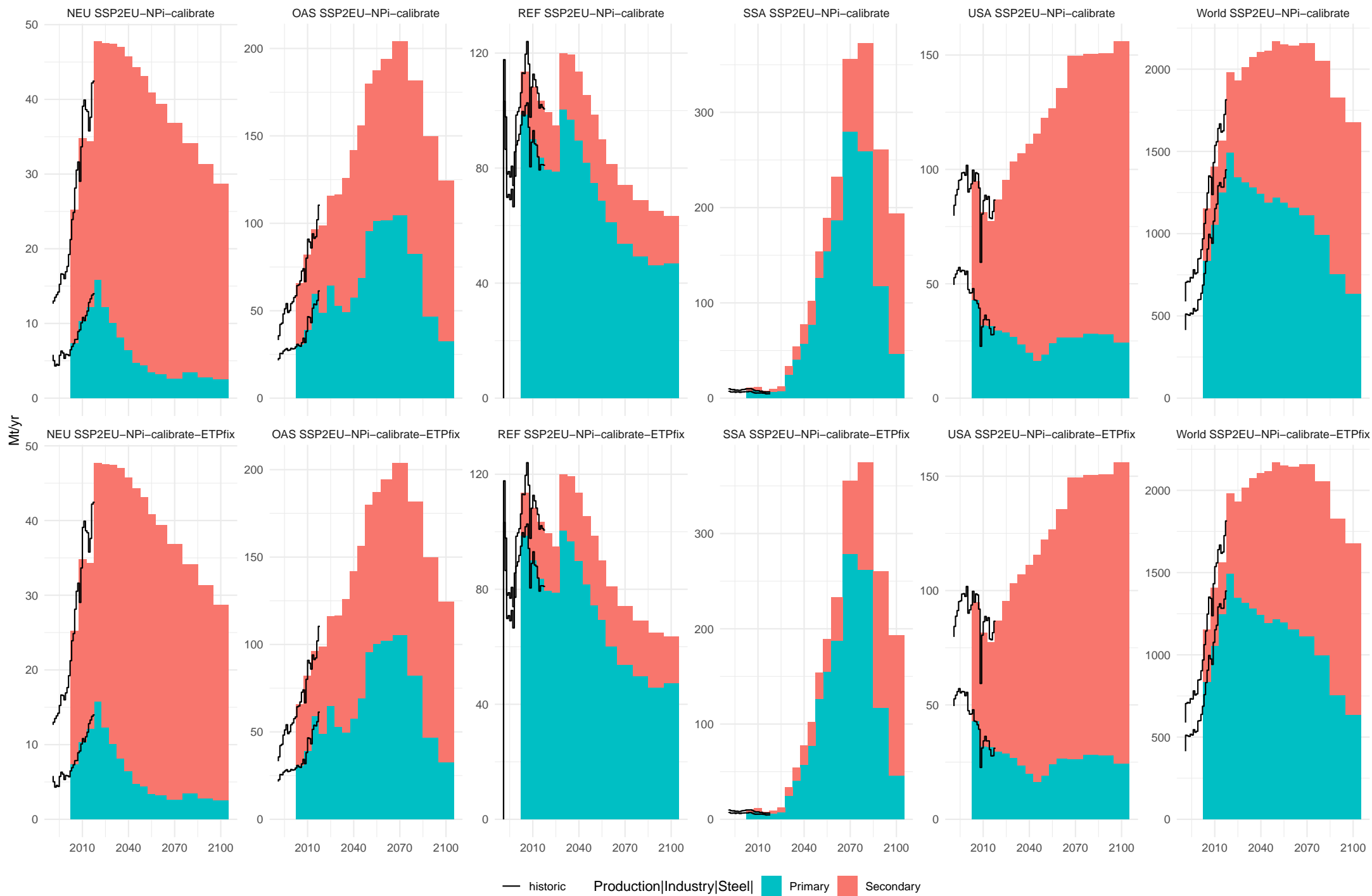
Historical data

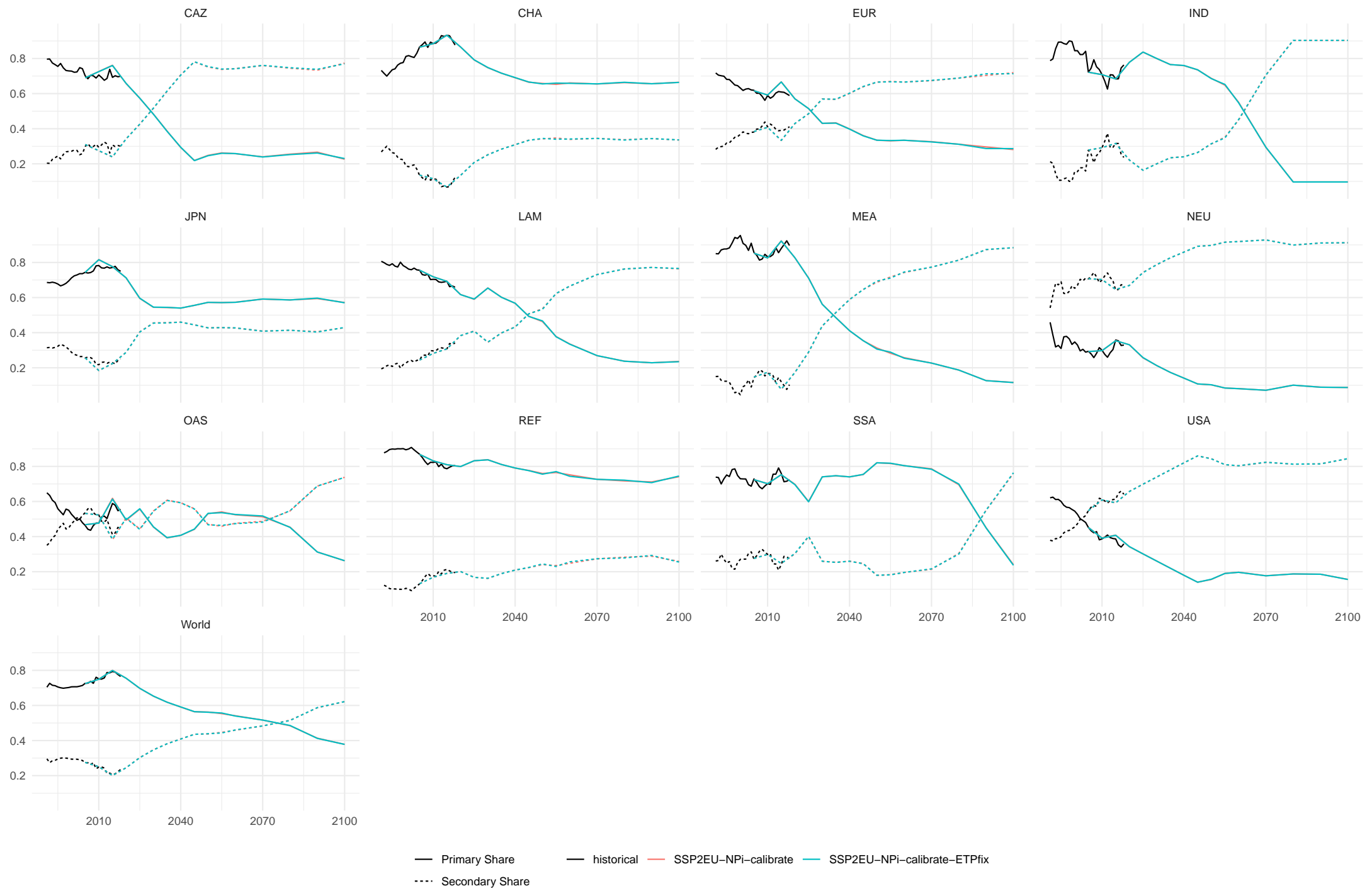
- + INDSTAT2



6.3.2 Steel Production Mix

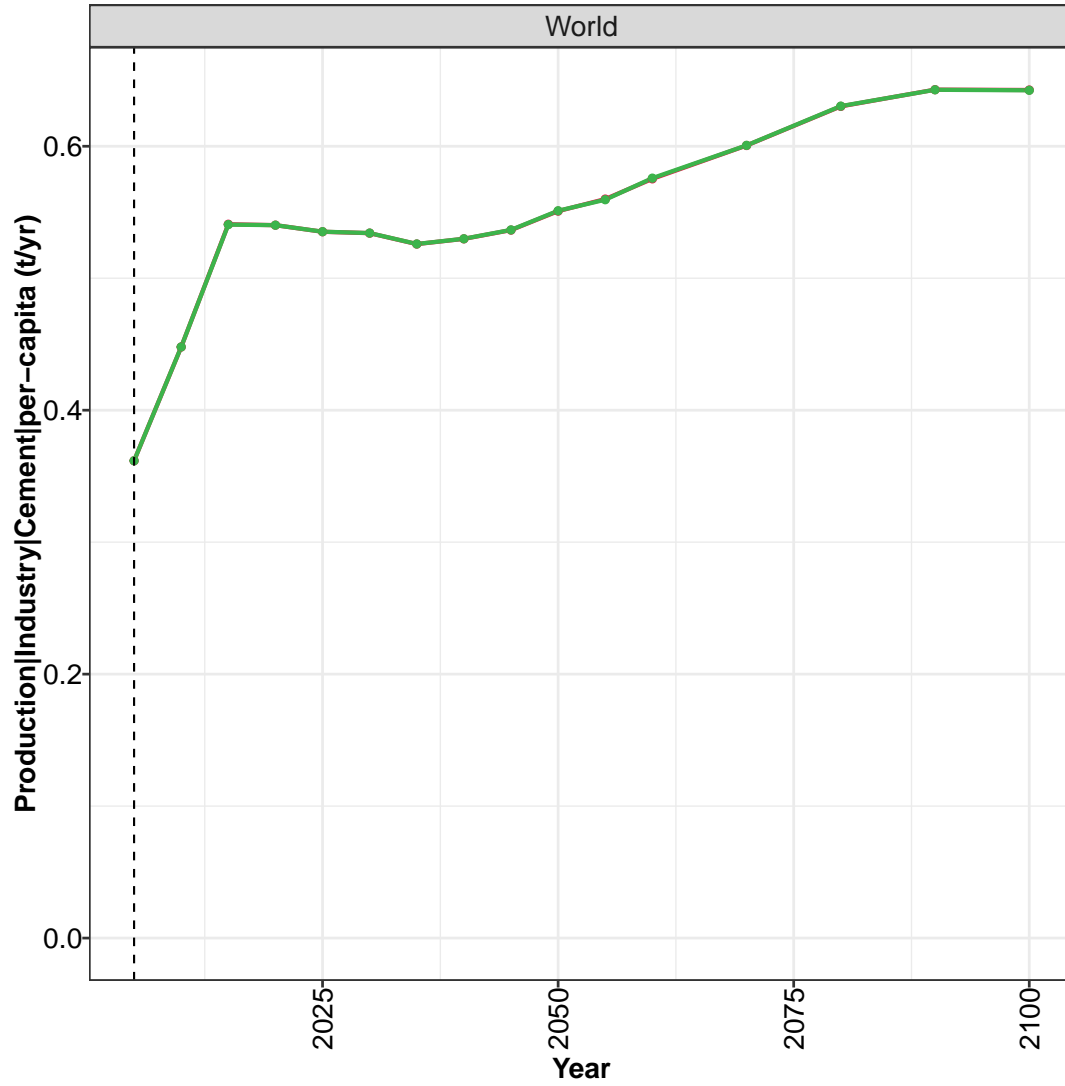






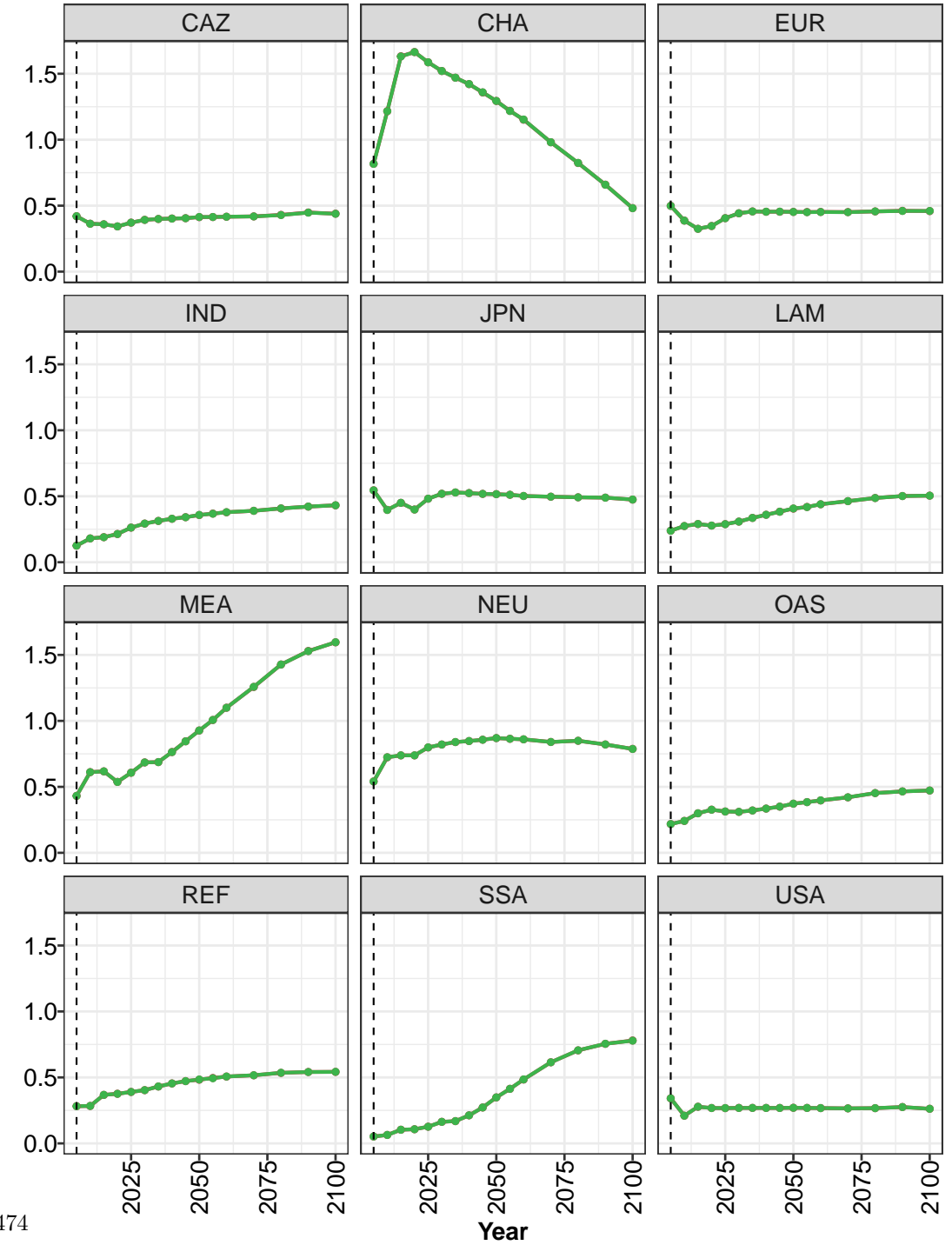
6.3.3 Steel mix by route using process-based steel modeling

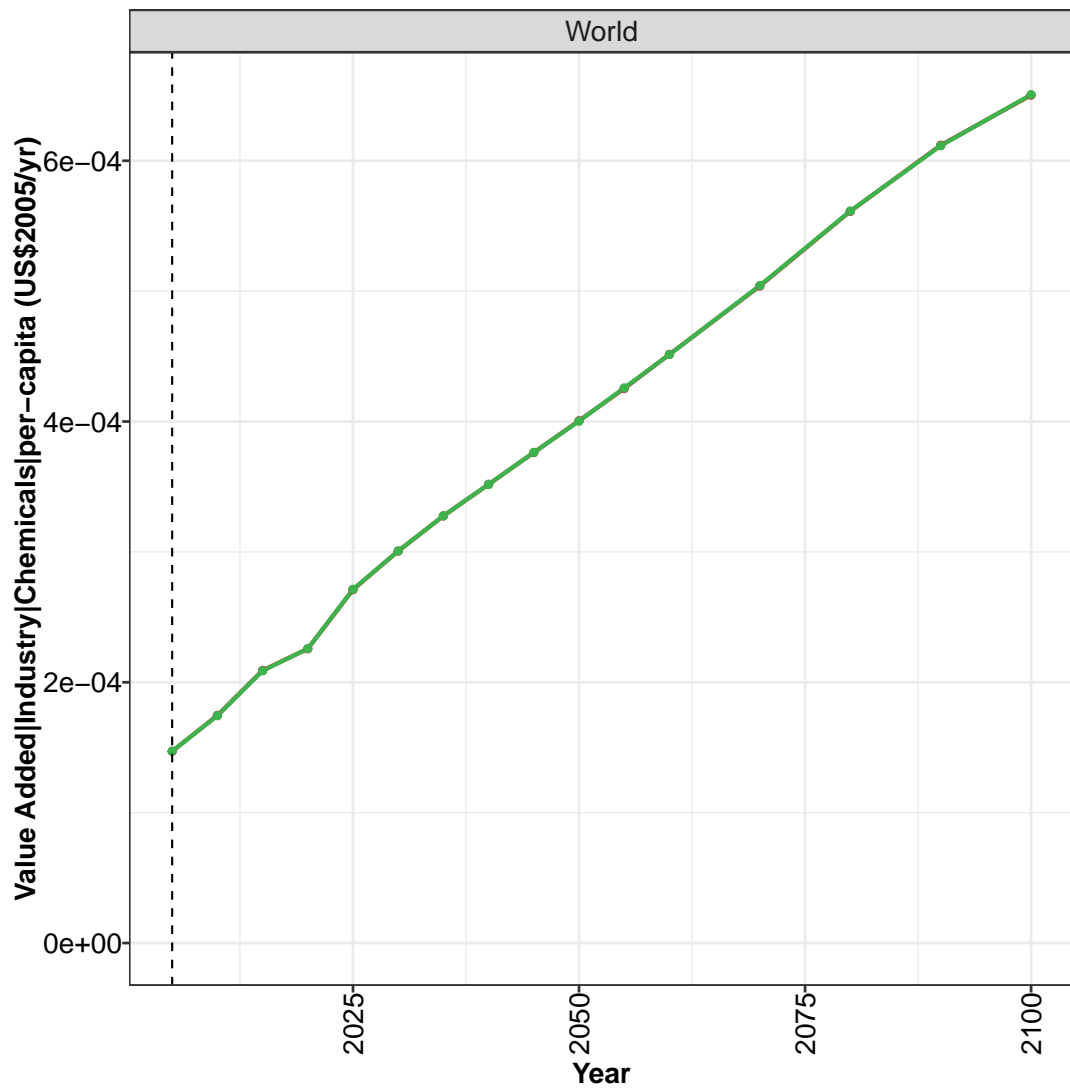
6.3.4 Subsector per-Capita Production



Model: REMIND

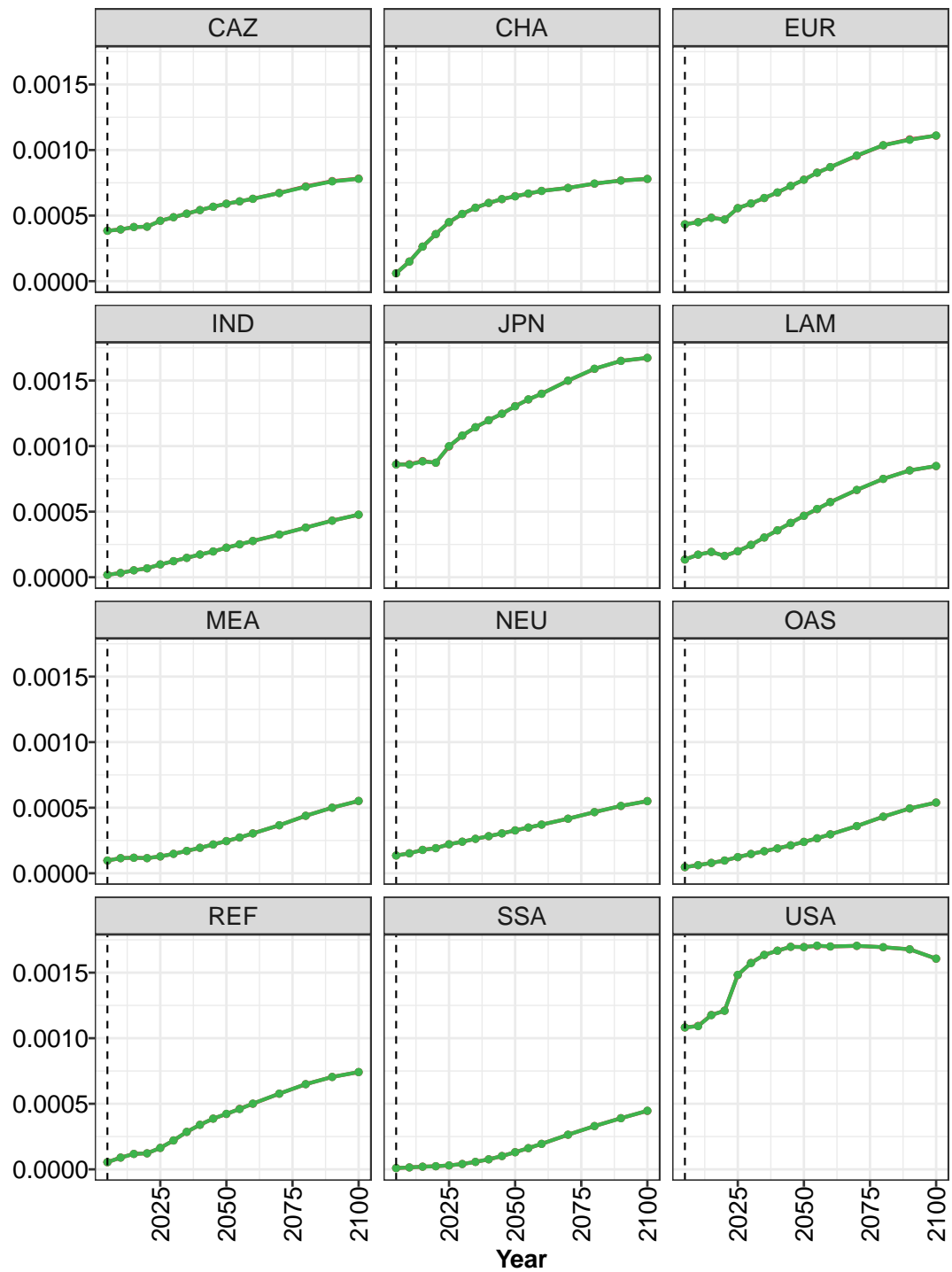
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- SSP2EU-NPi-calibrate-ETPfix

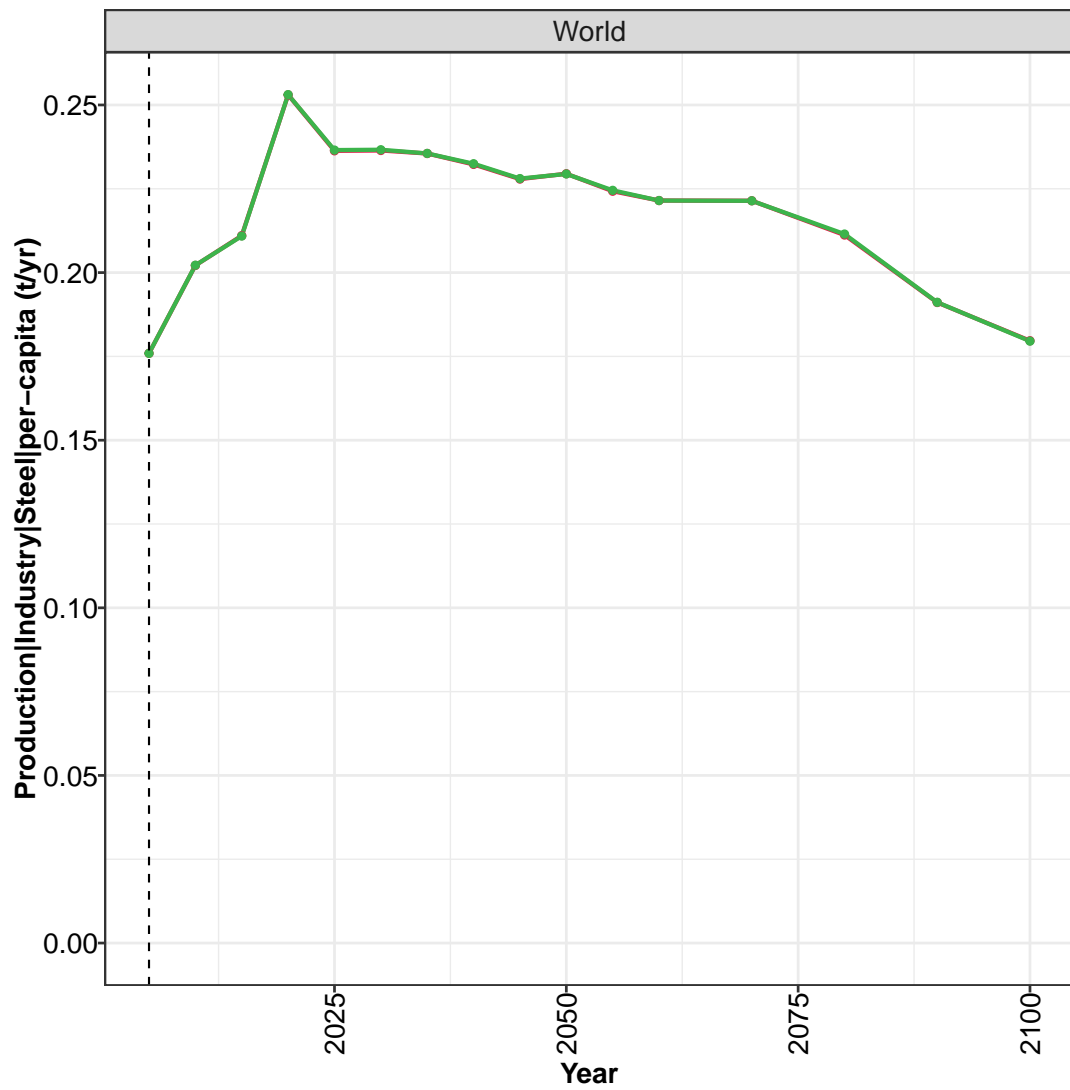




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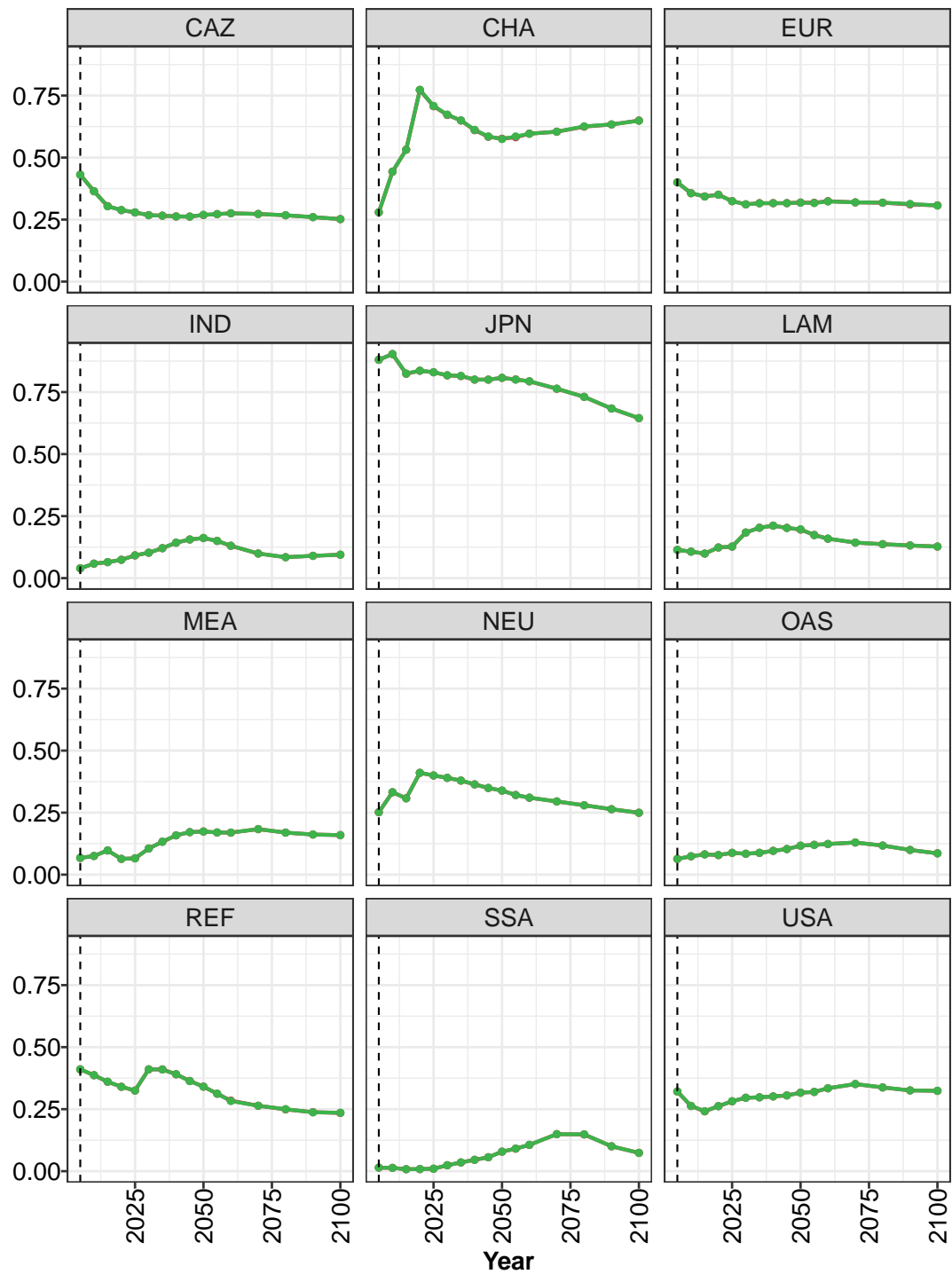
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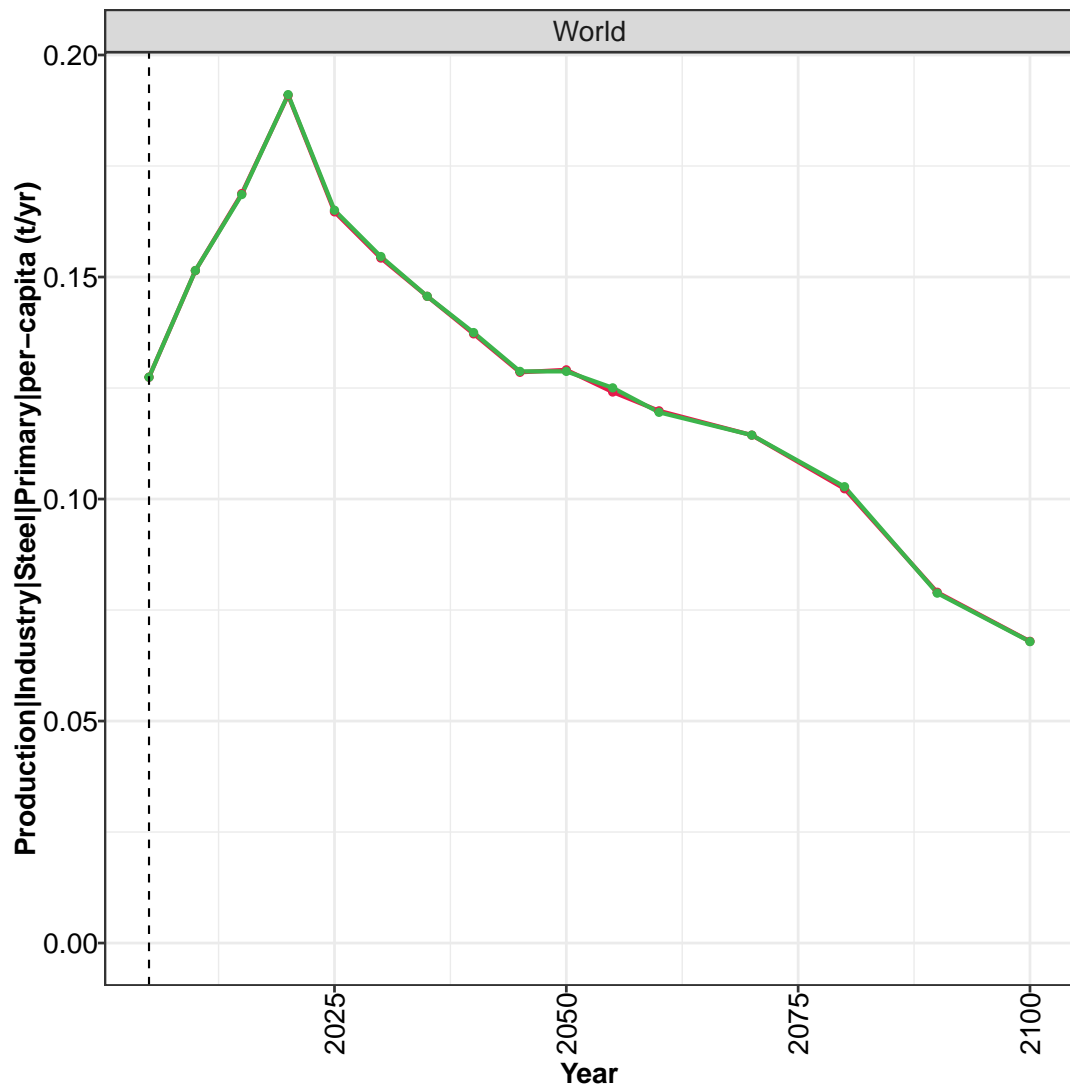




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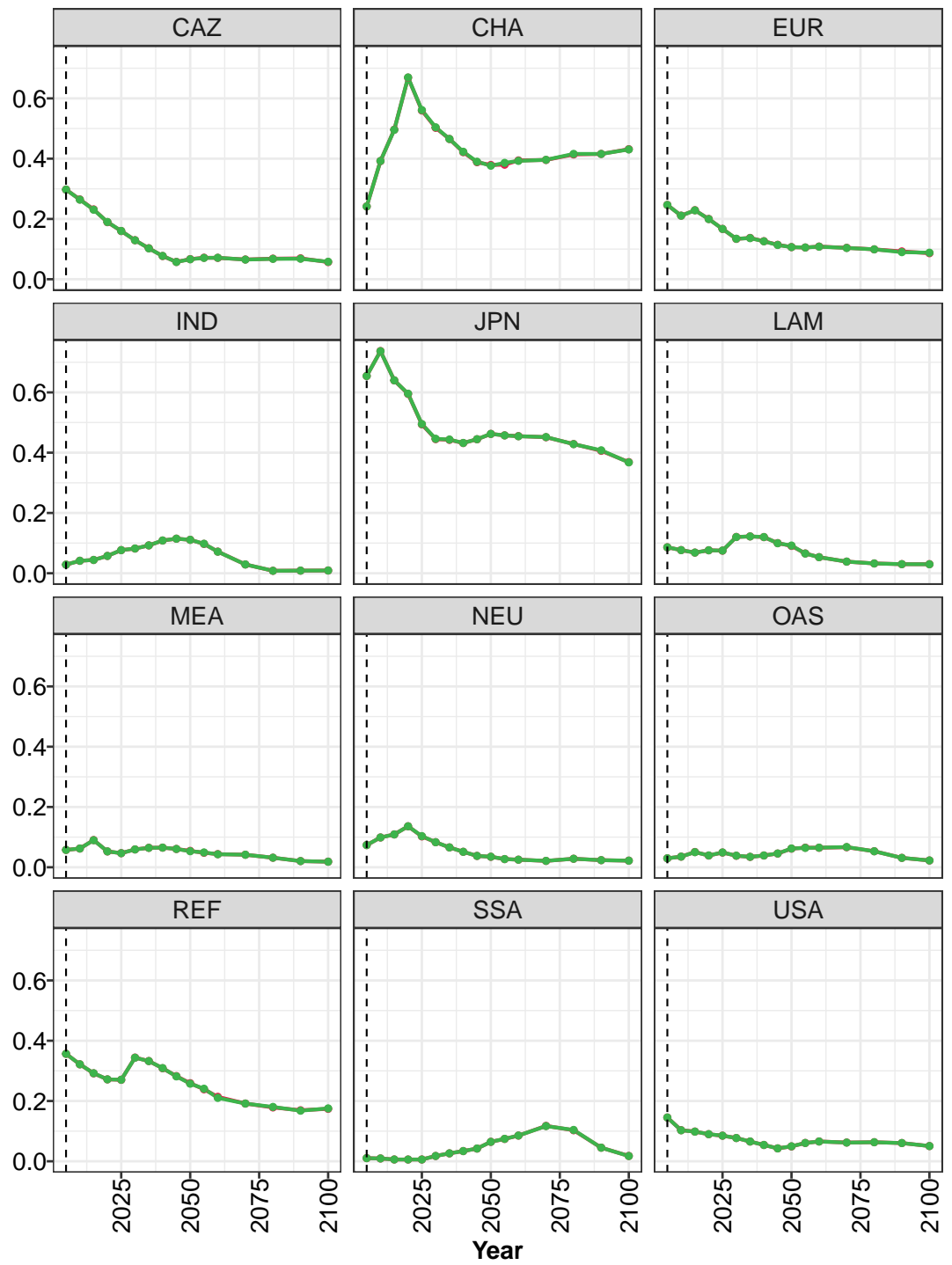
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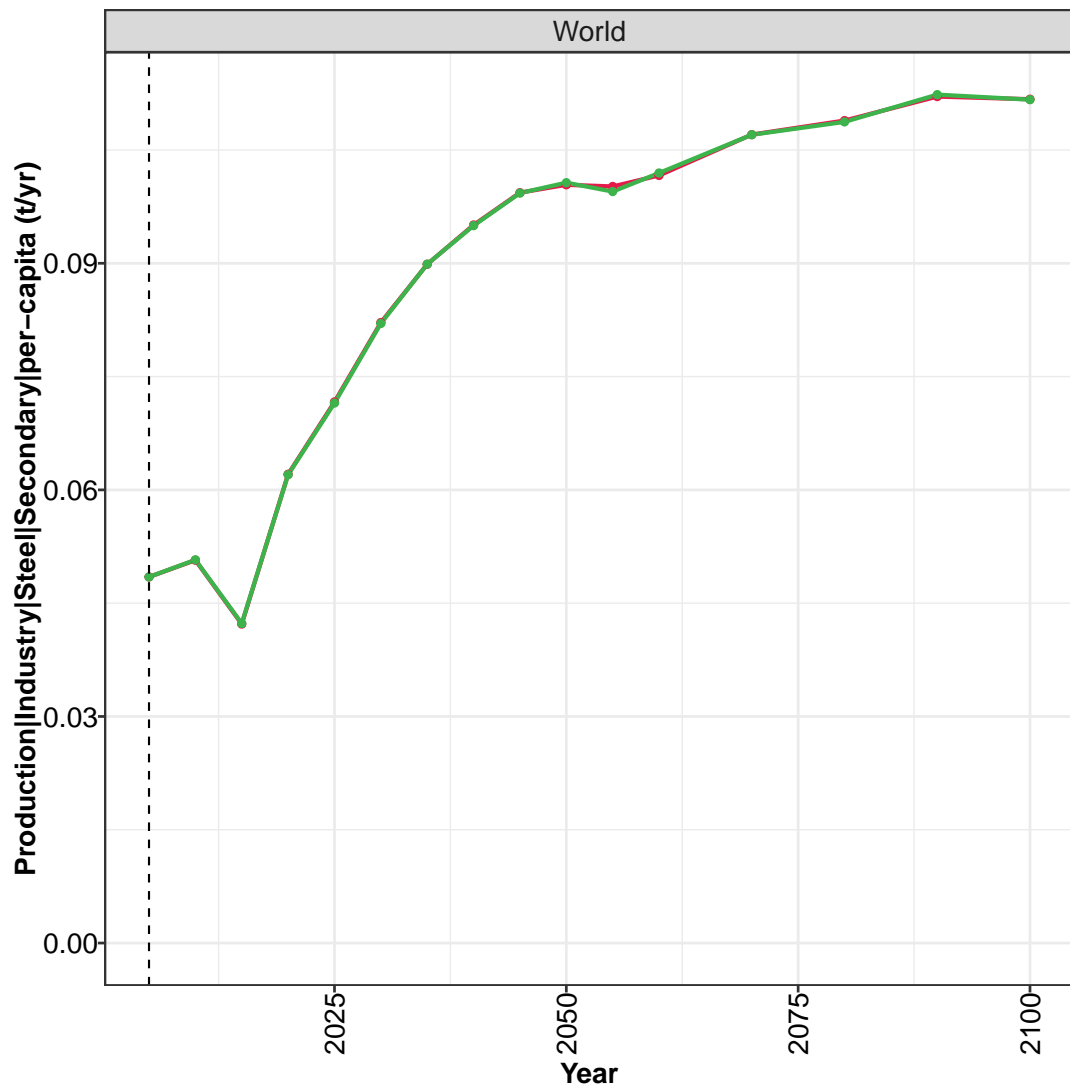




Model: REMIND

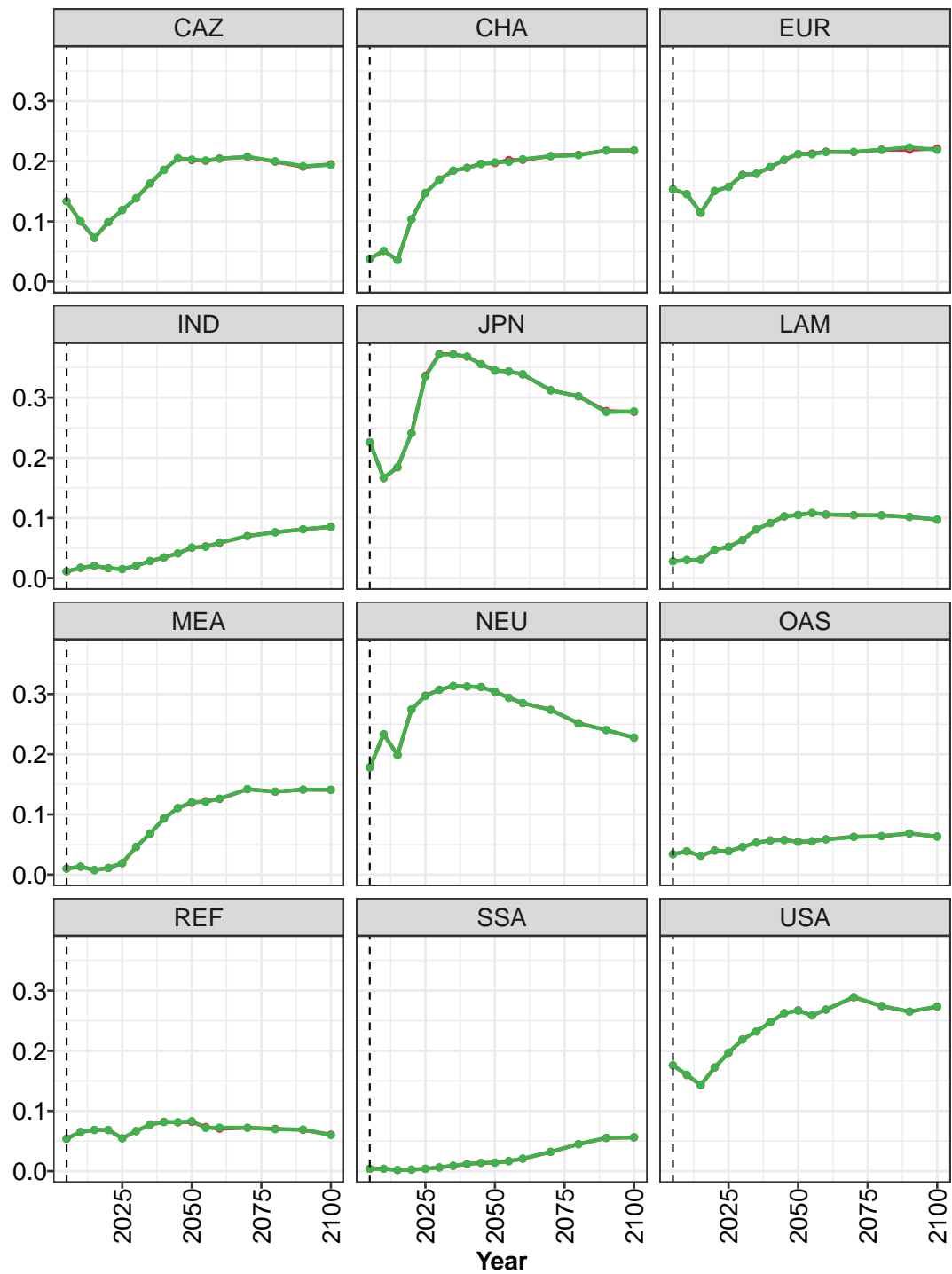
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

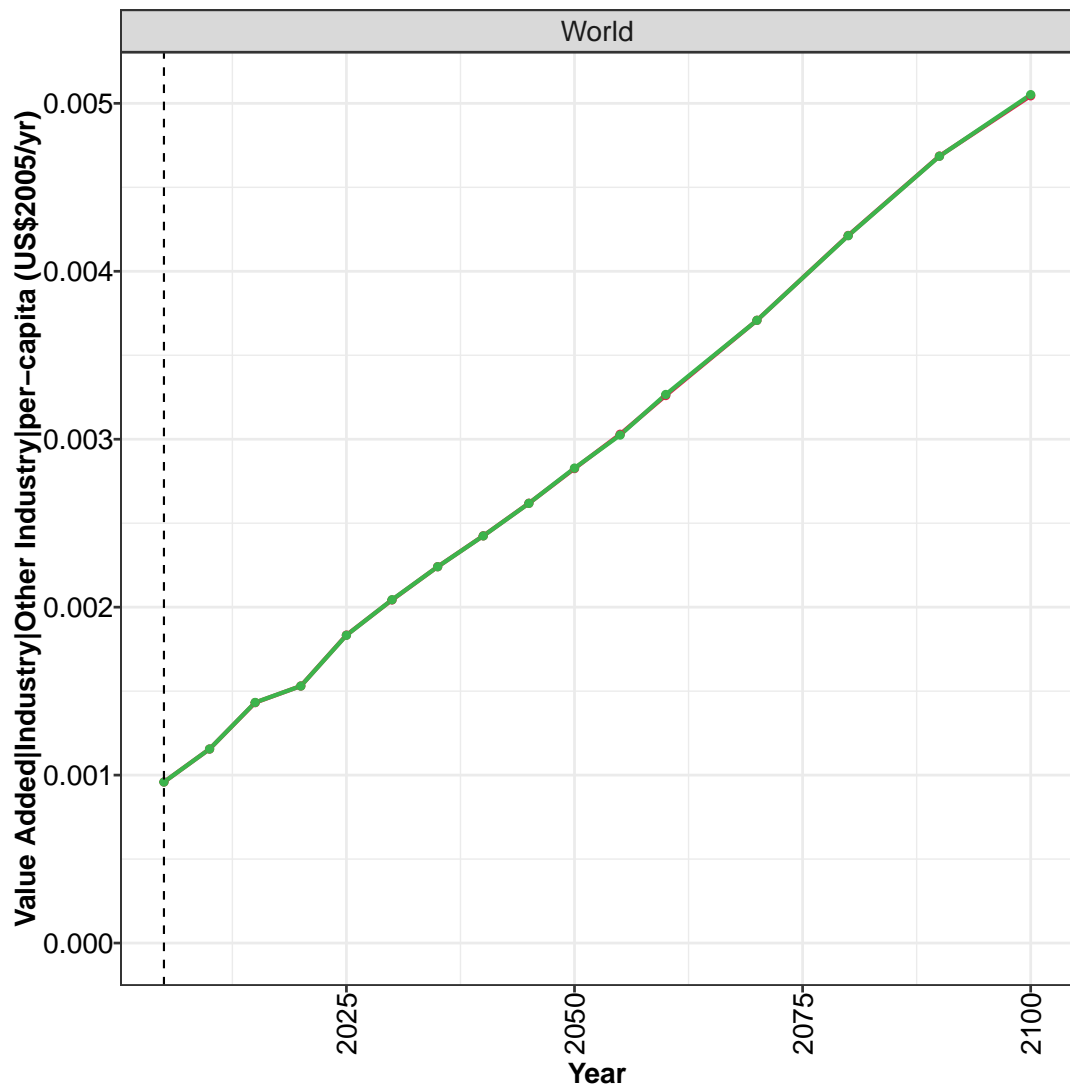




Model: REMIND

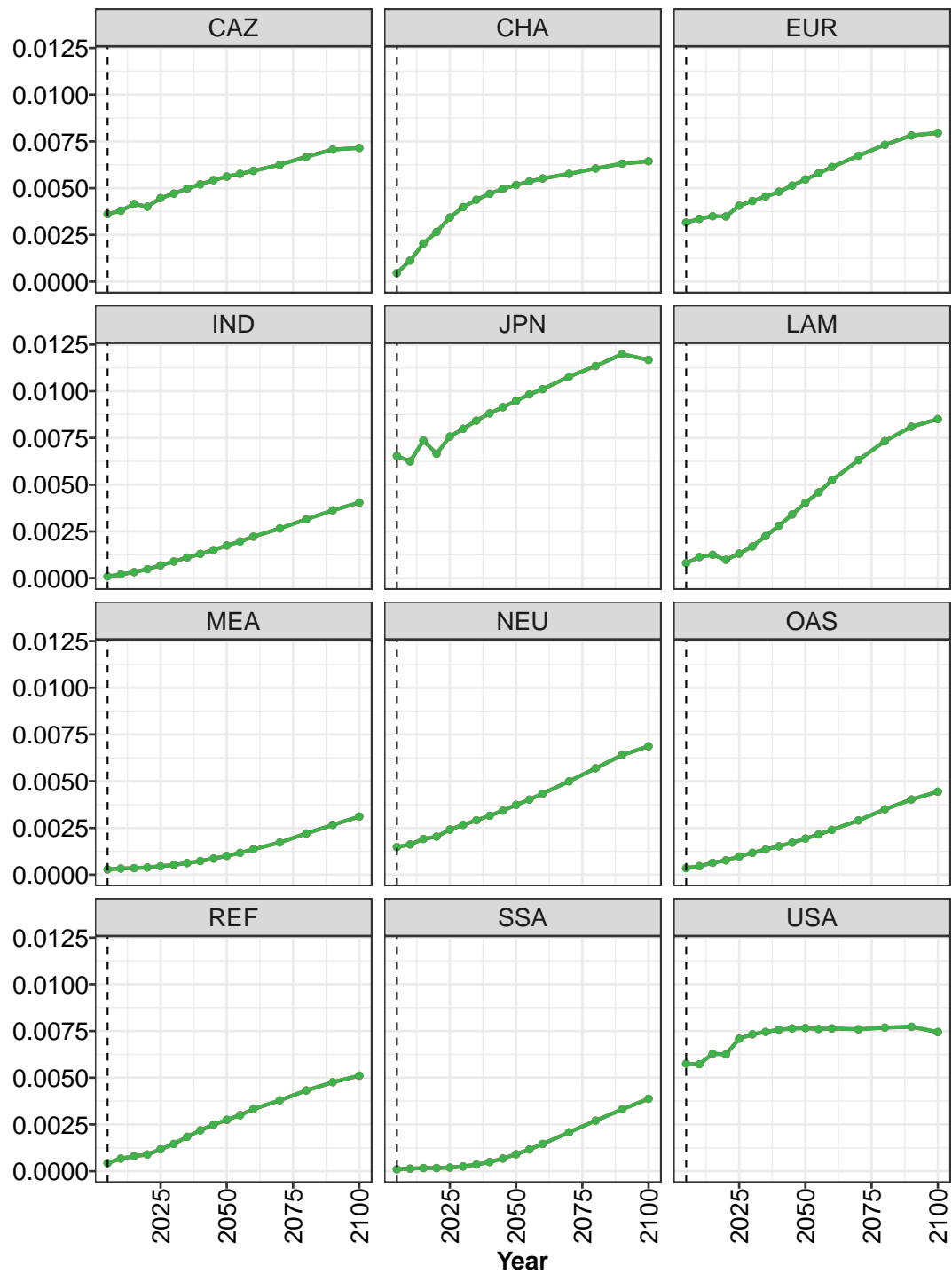
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



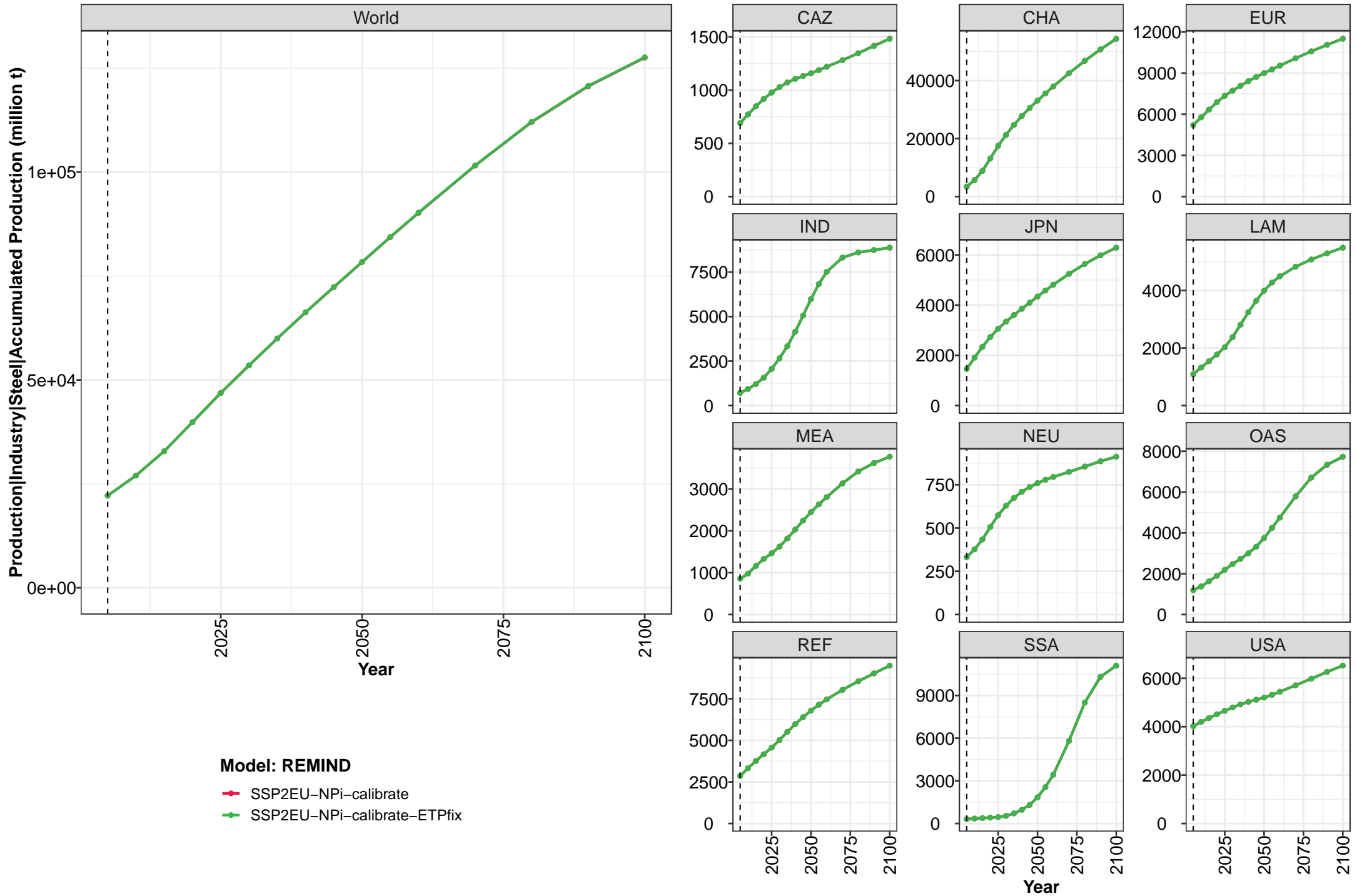


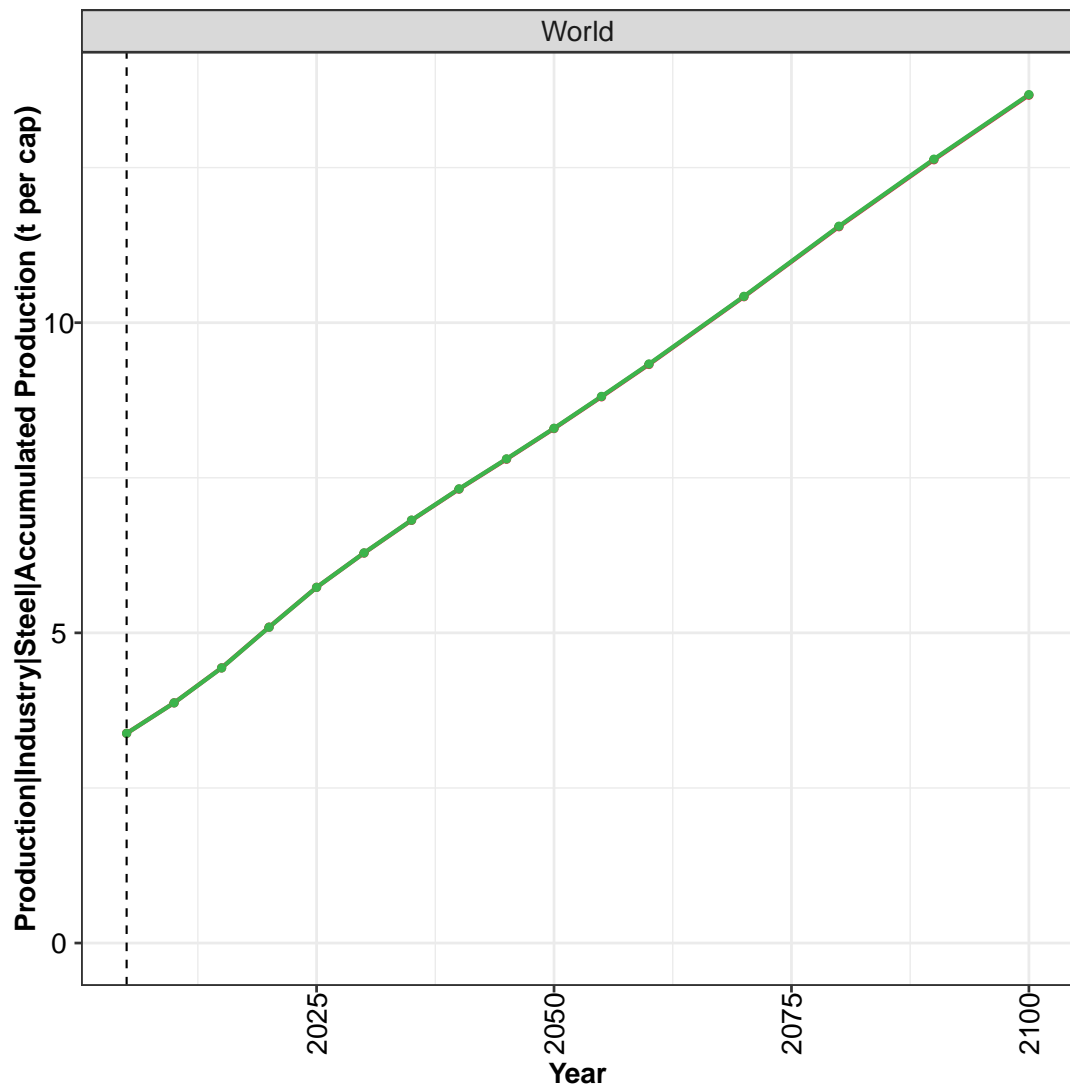
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



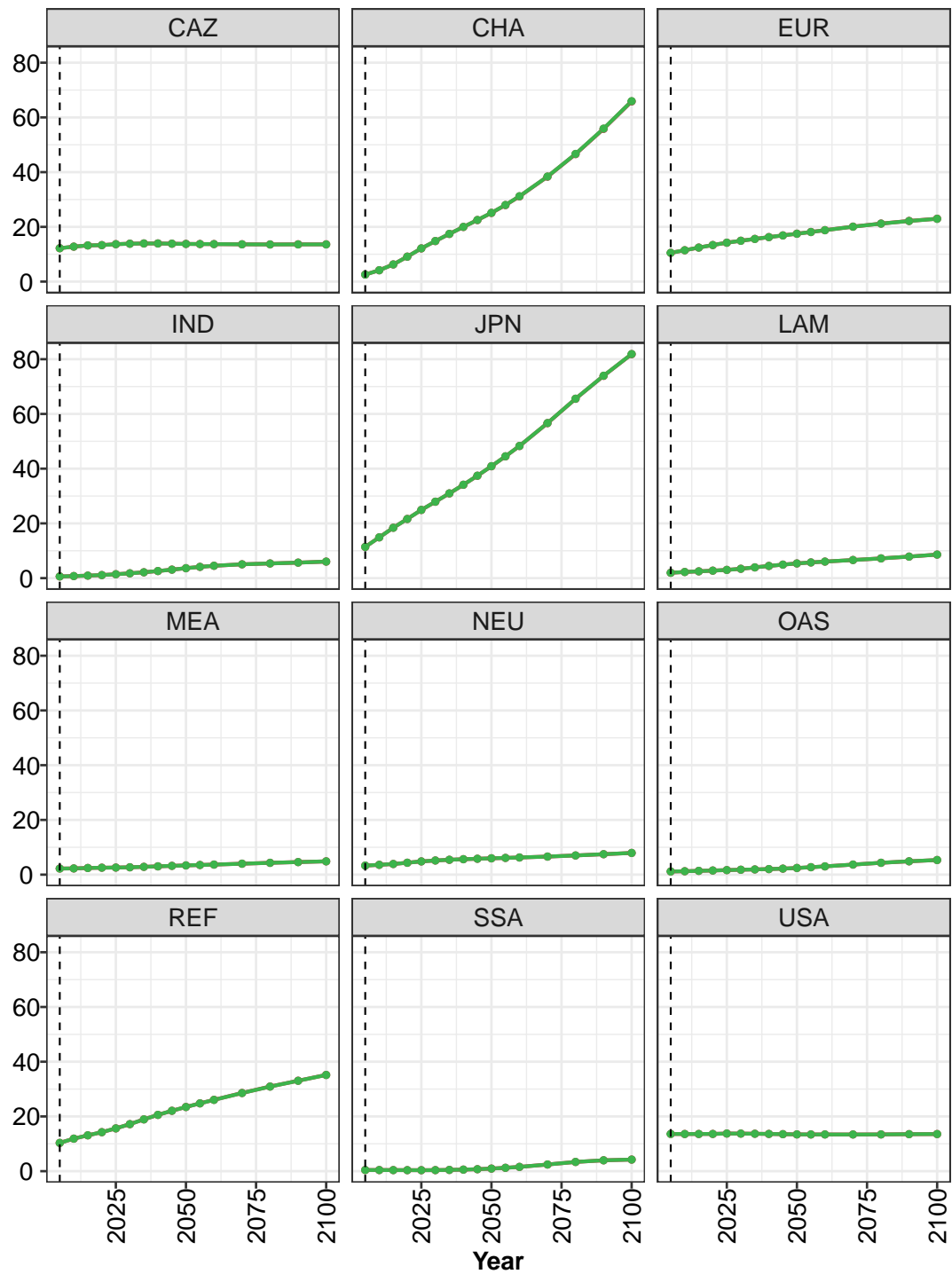
6.3.5 Steel accumulation



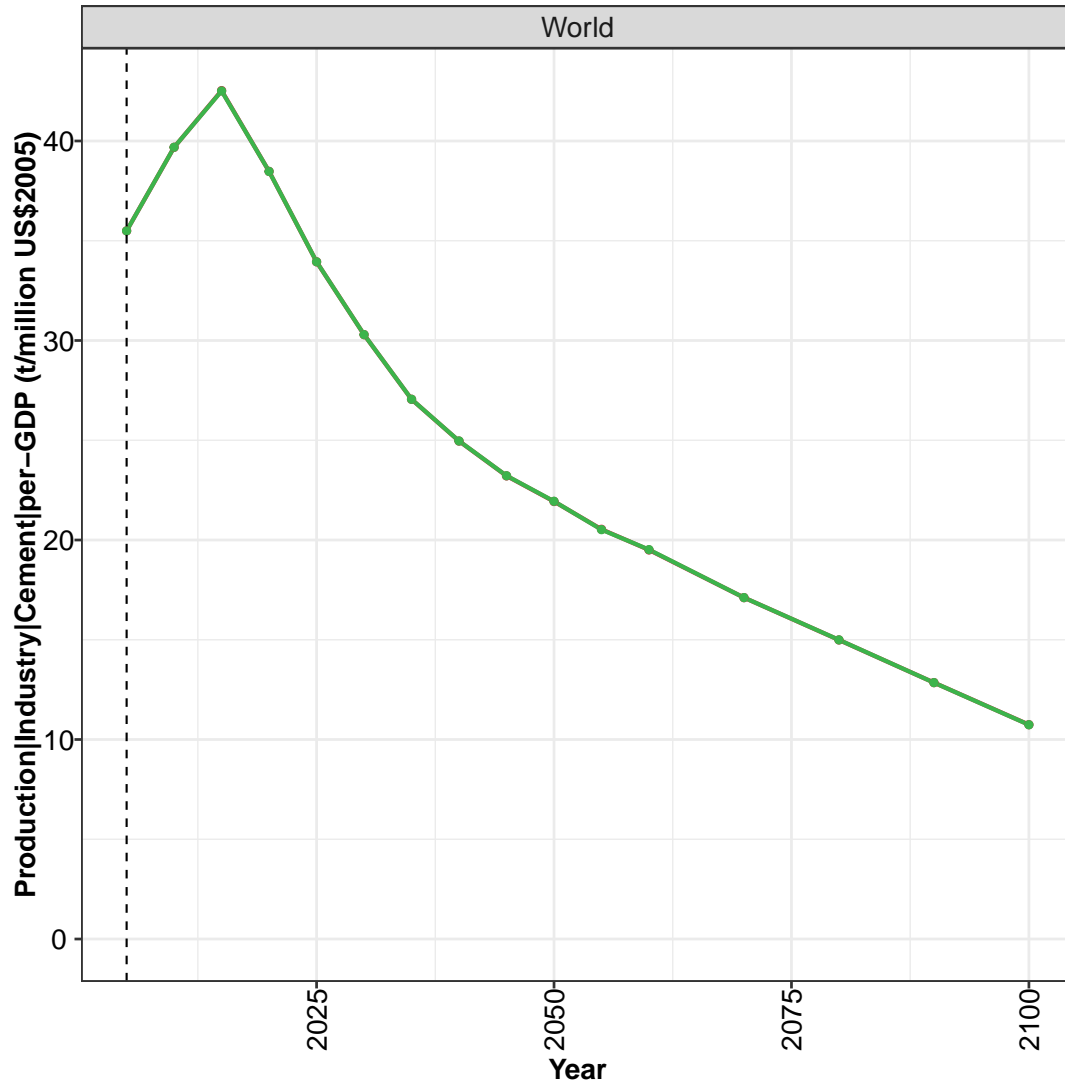


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

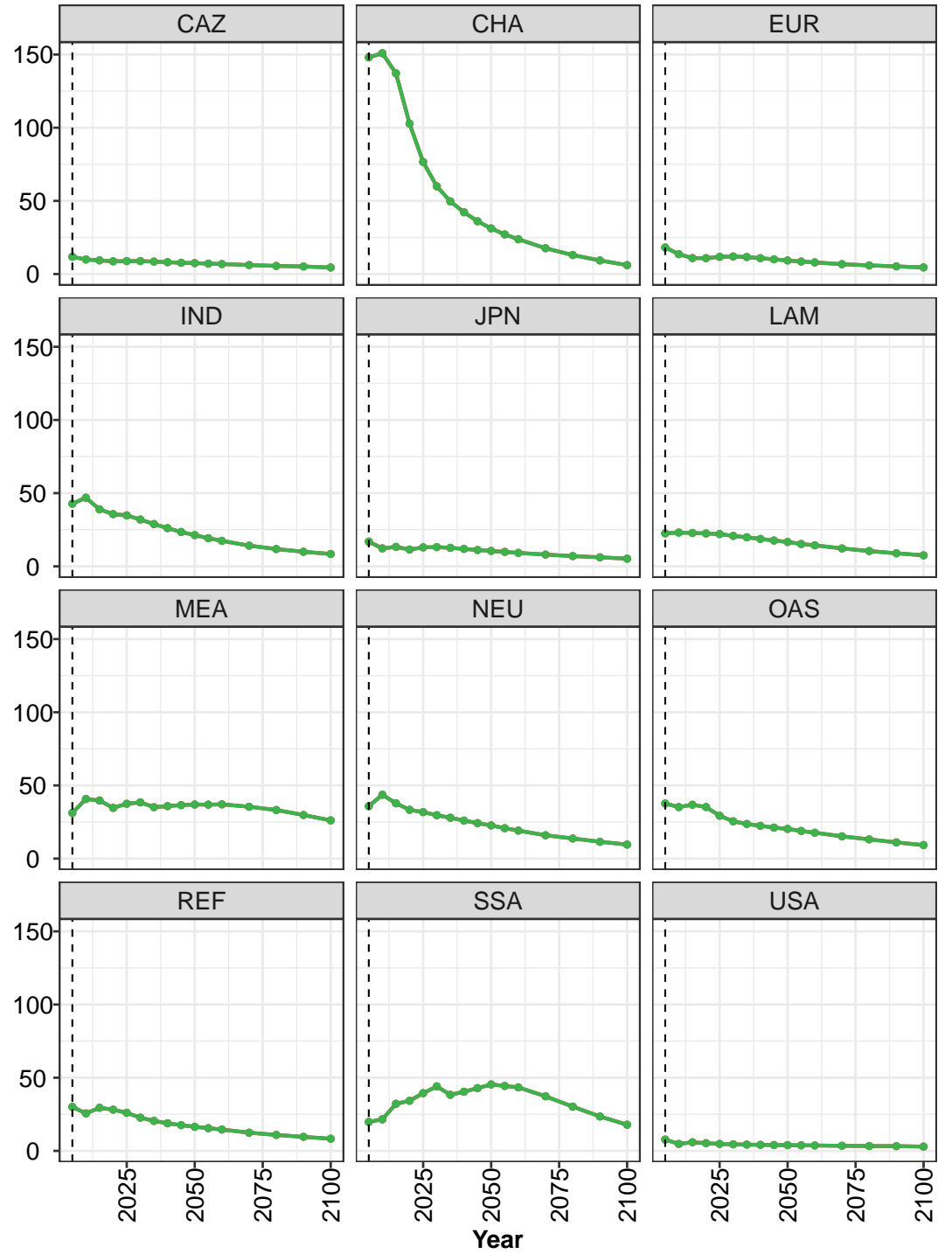


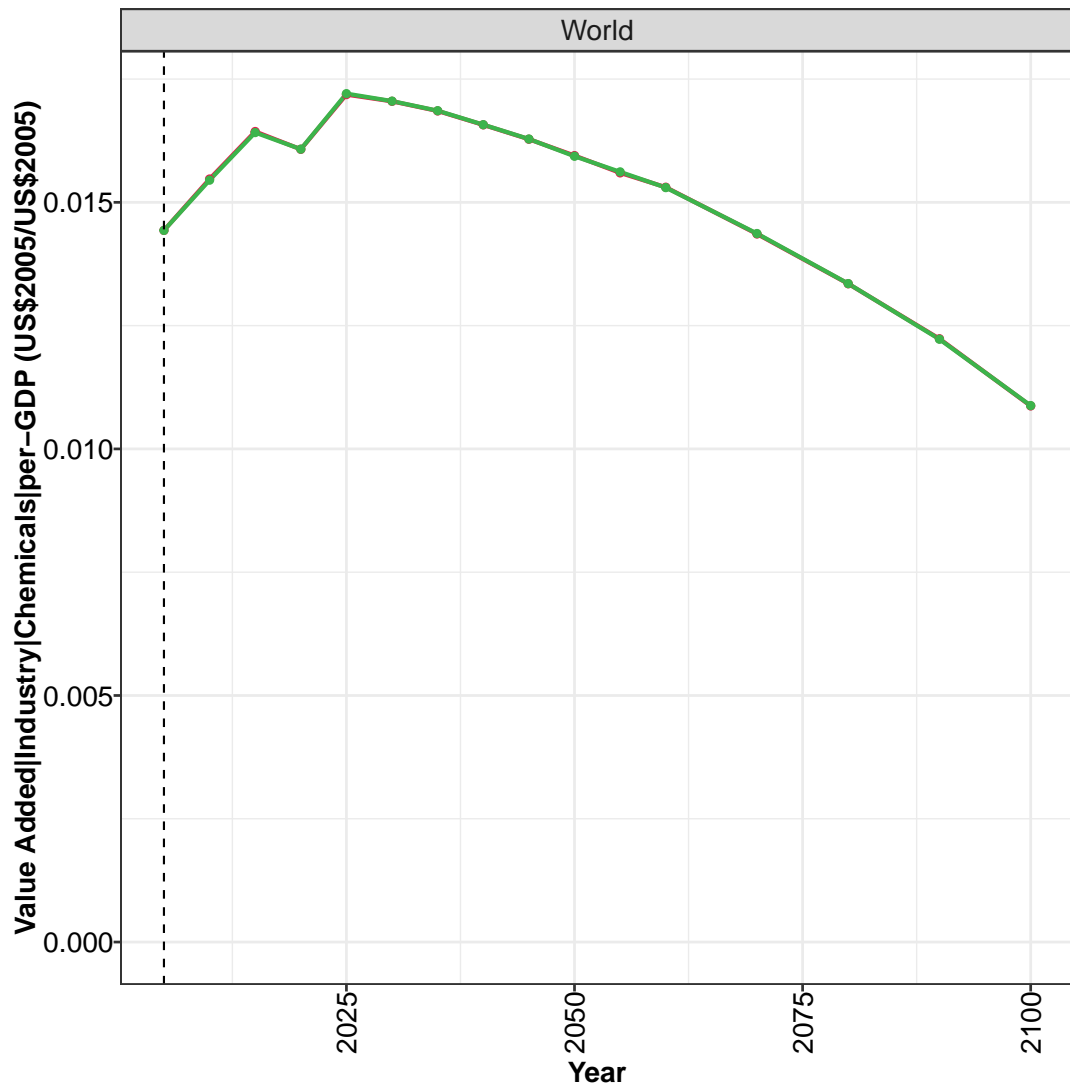
6.3.6 Subsector per-GDP Production



Model: REMIND

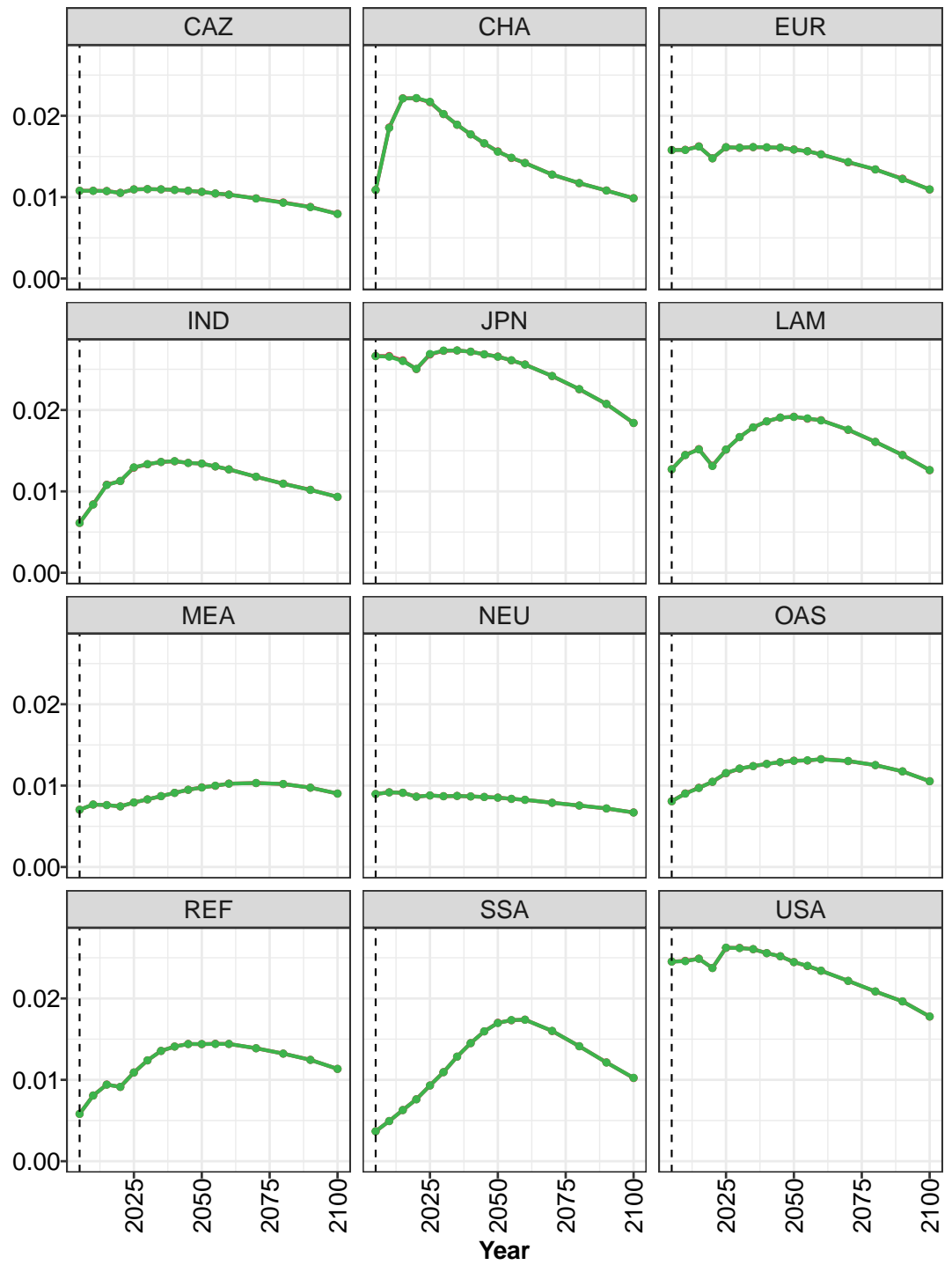
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- SSP2EU-NPi-calibrate-ETPfix

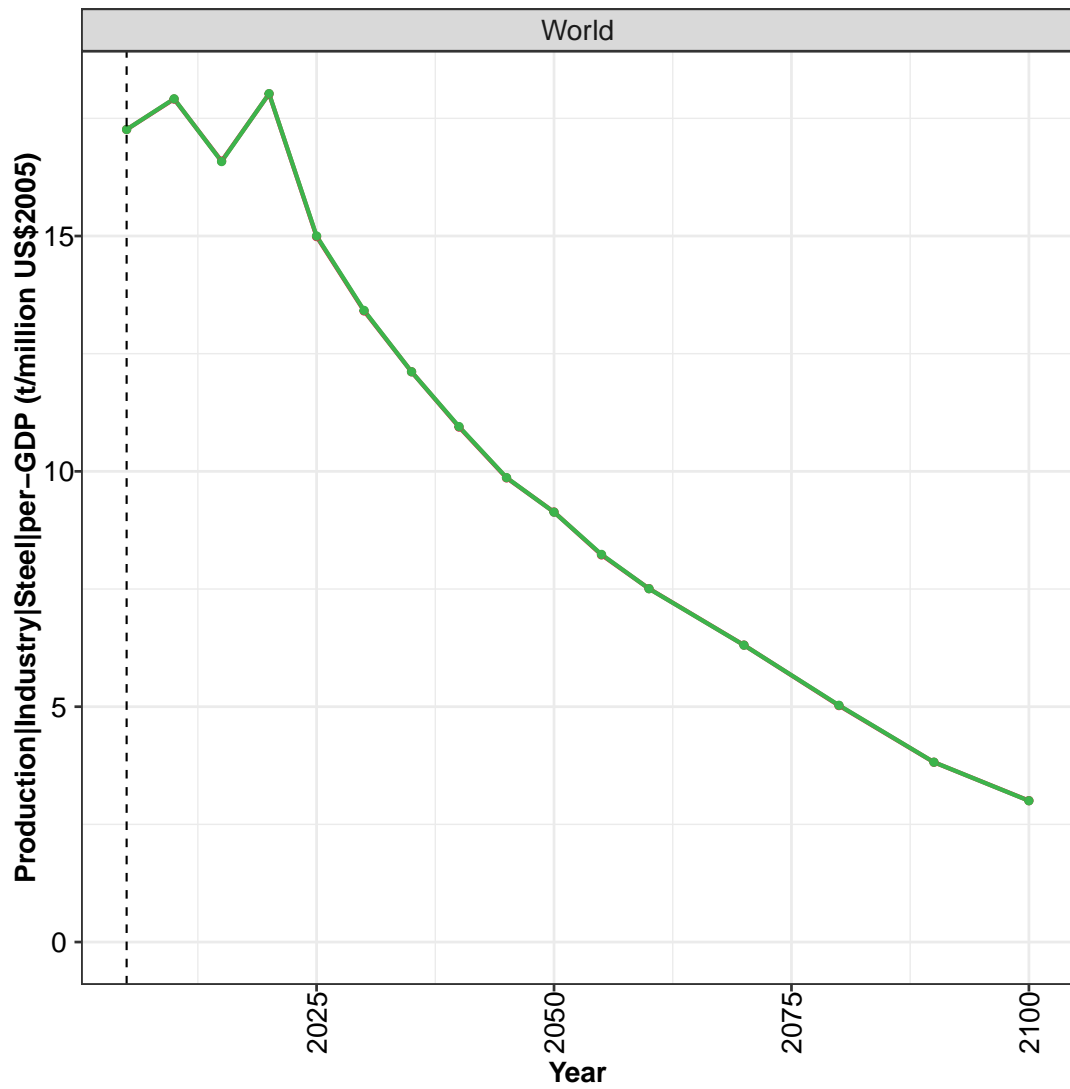




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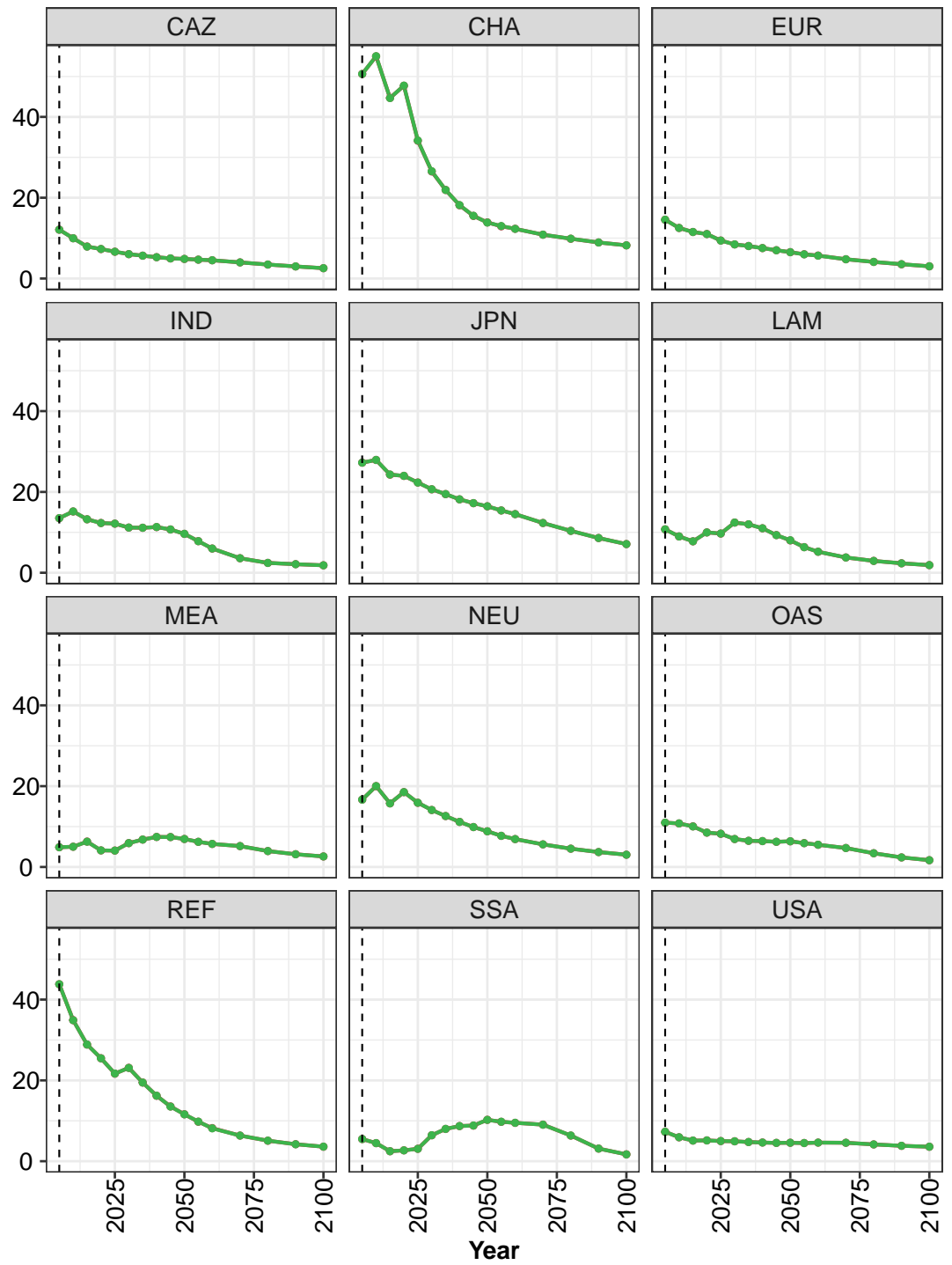
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

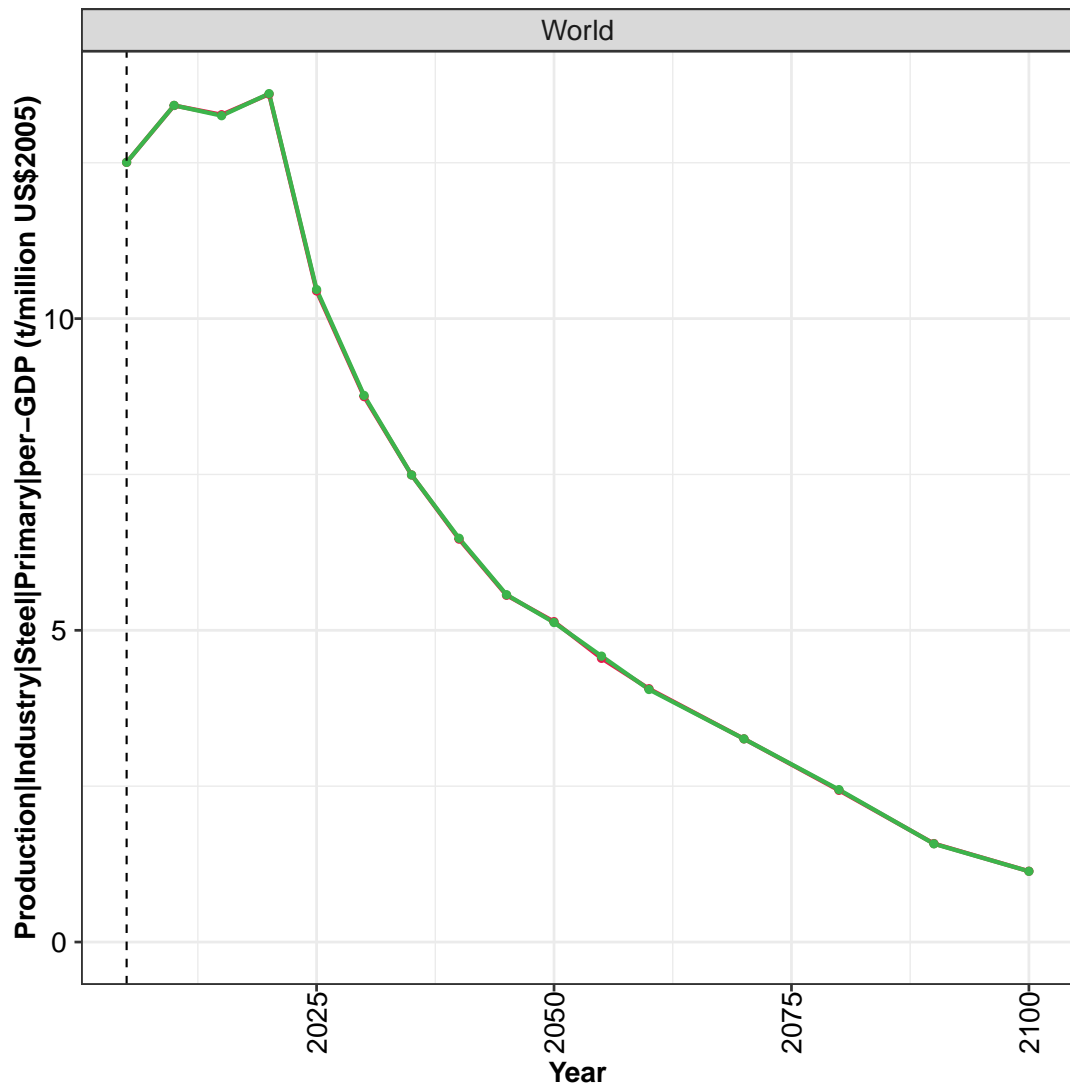




Model: REMIND

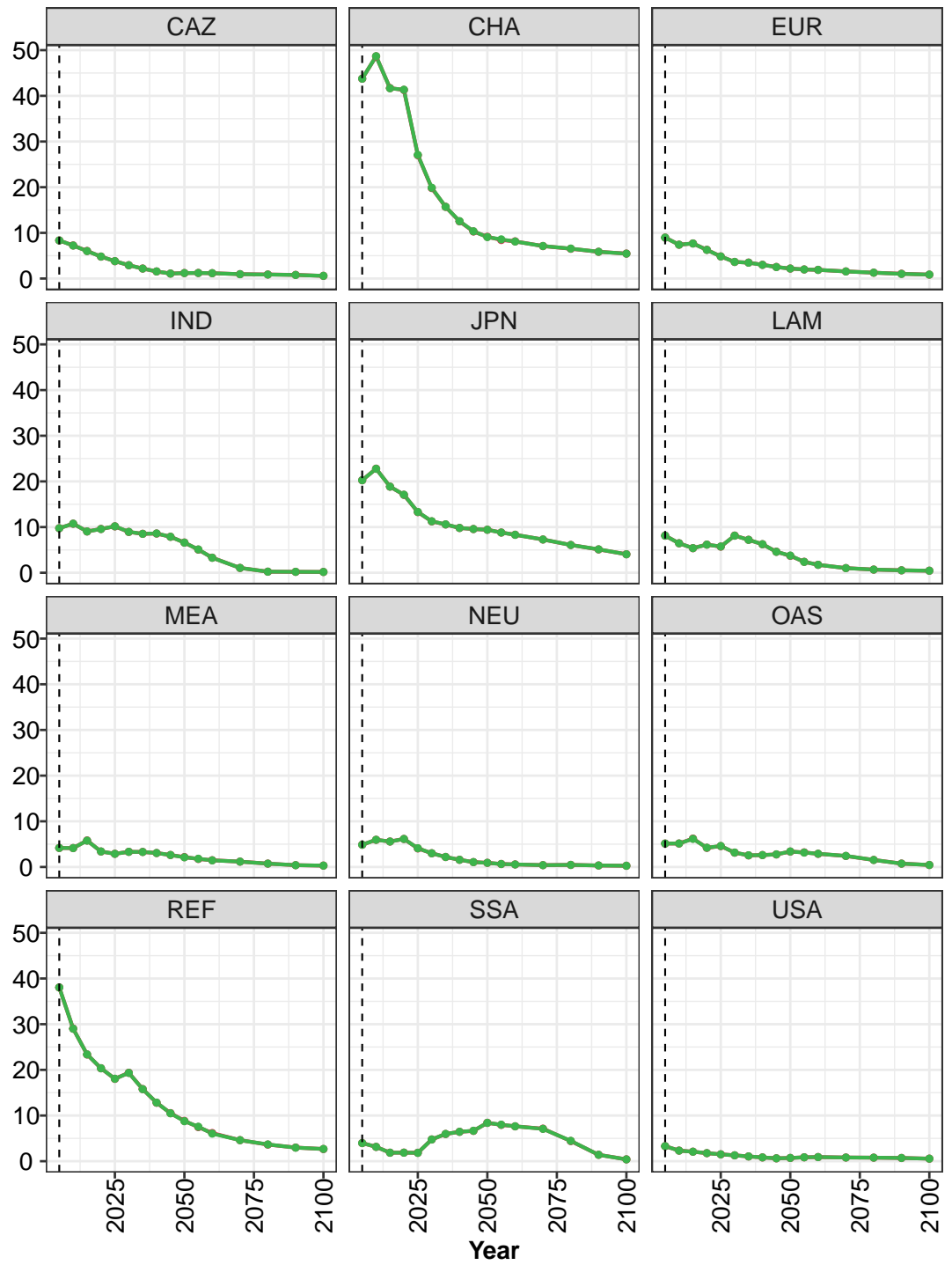
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

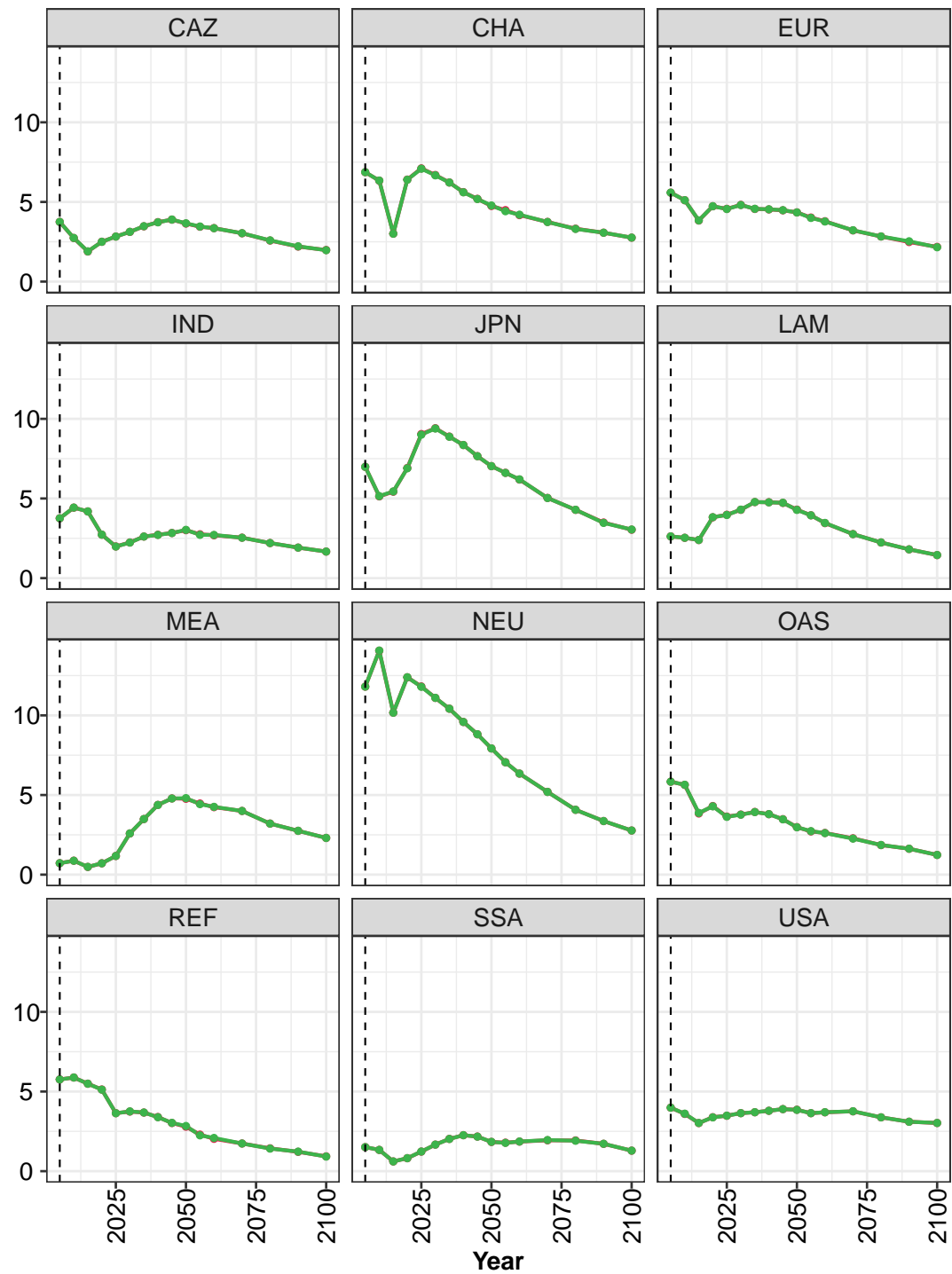
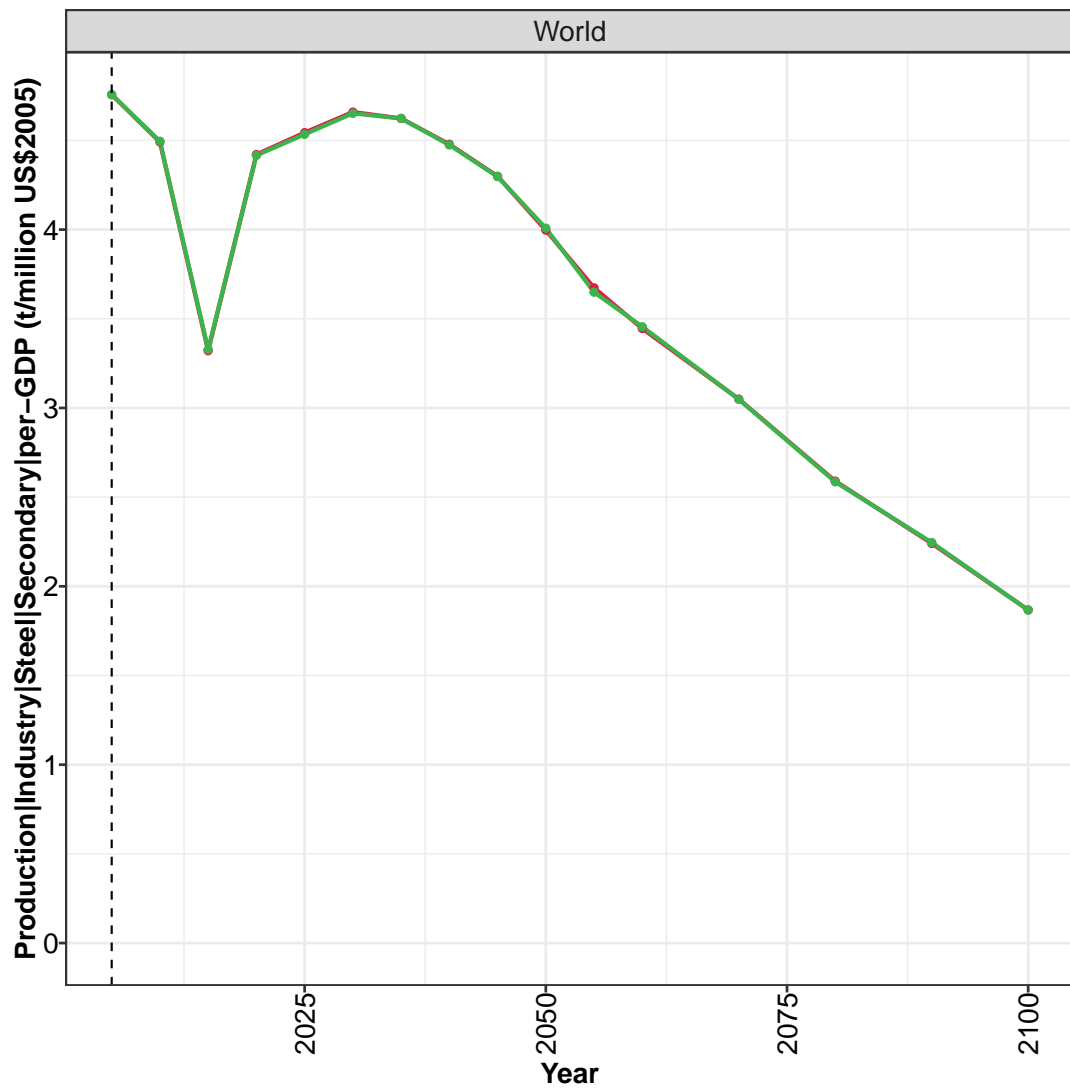


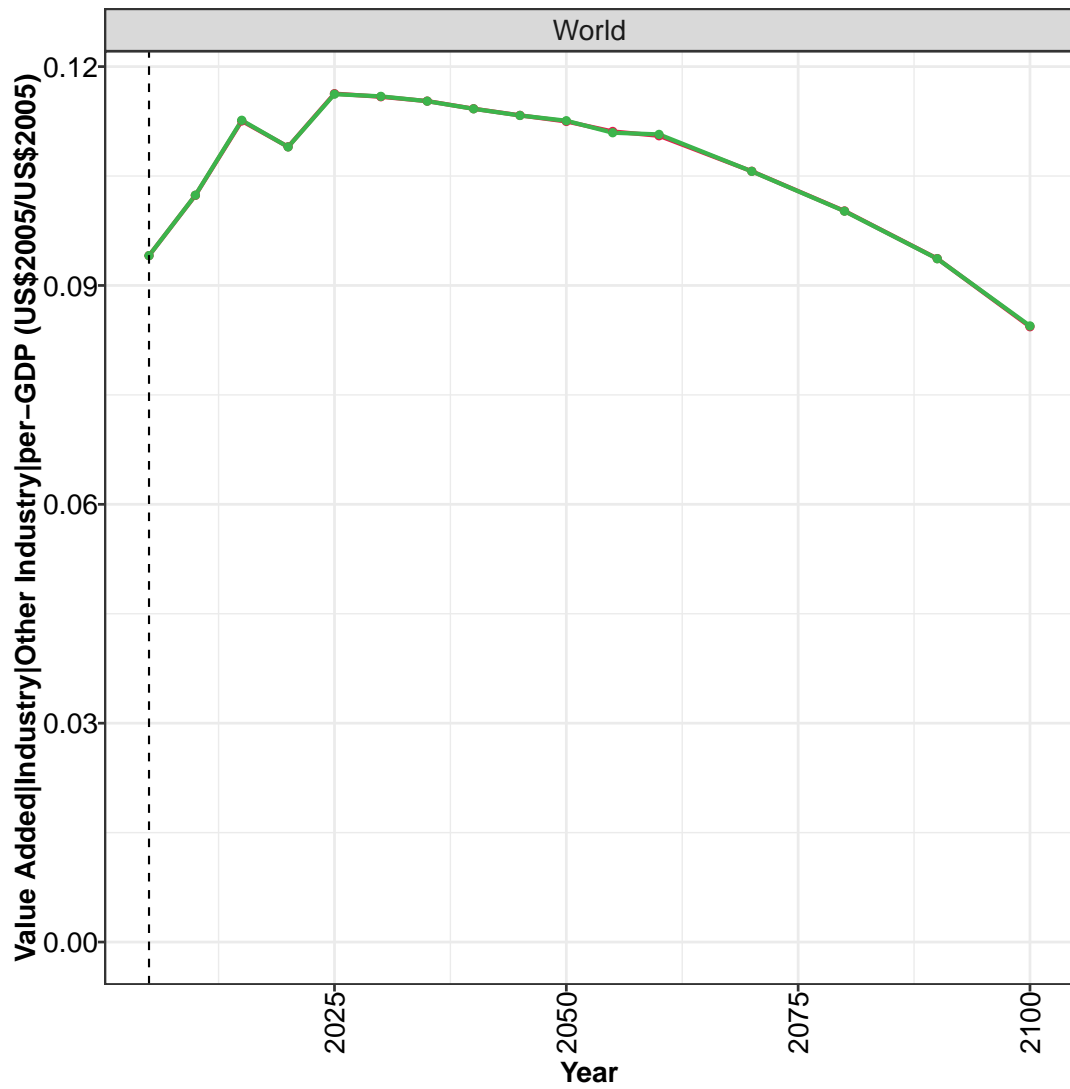


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

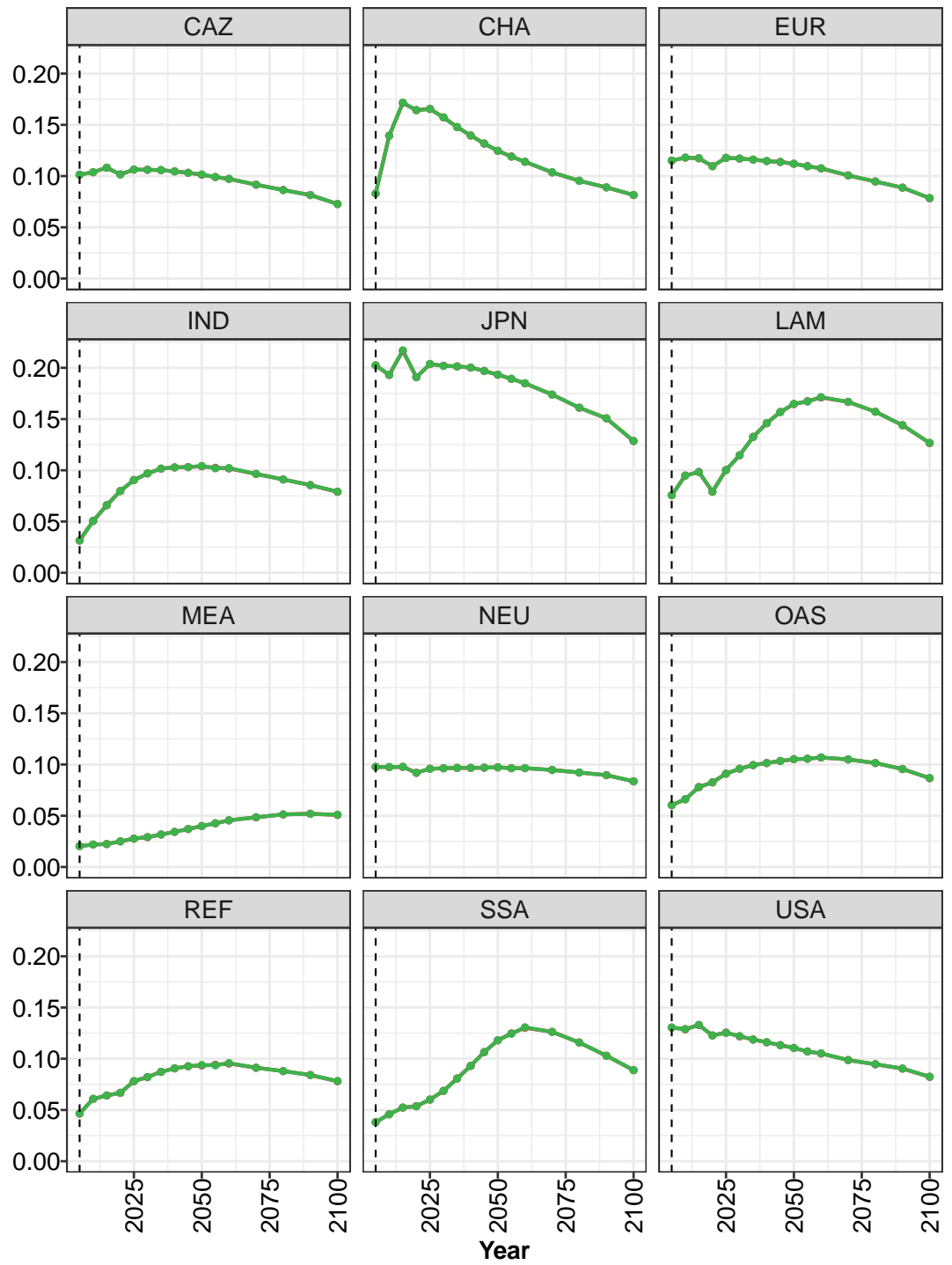






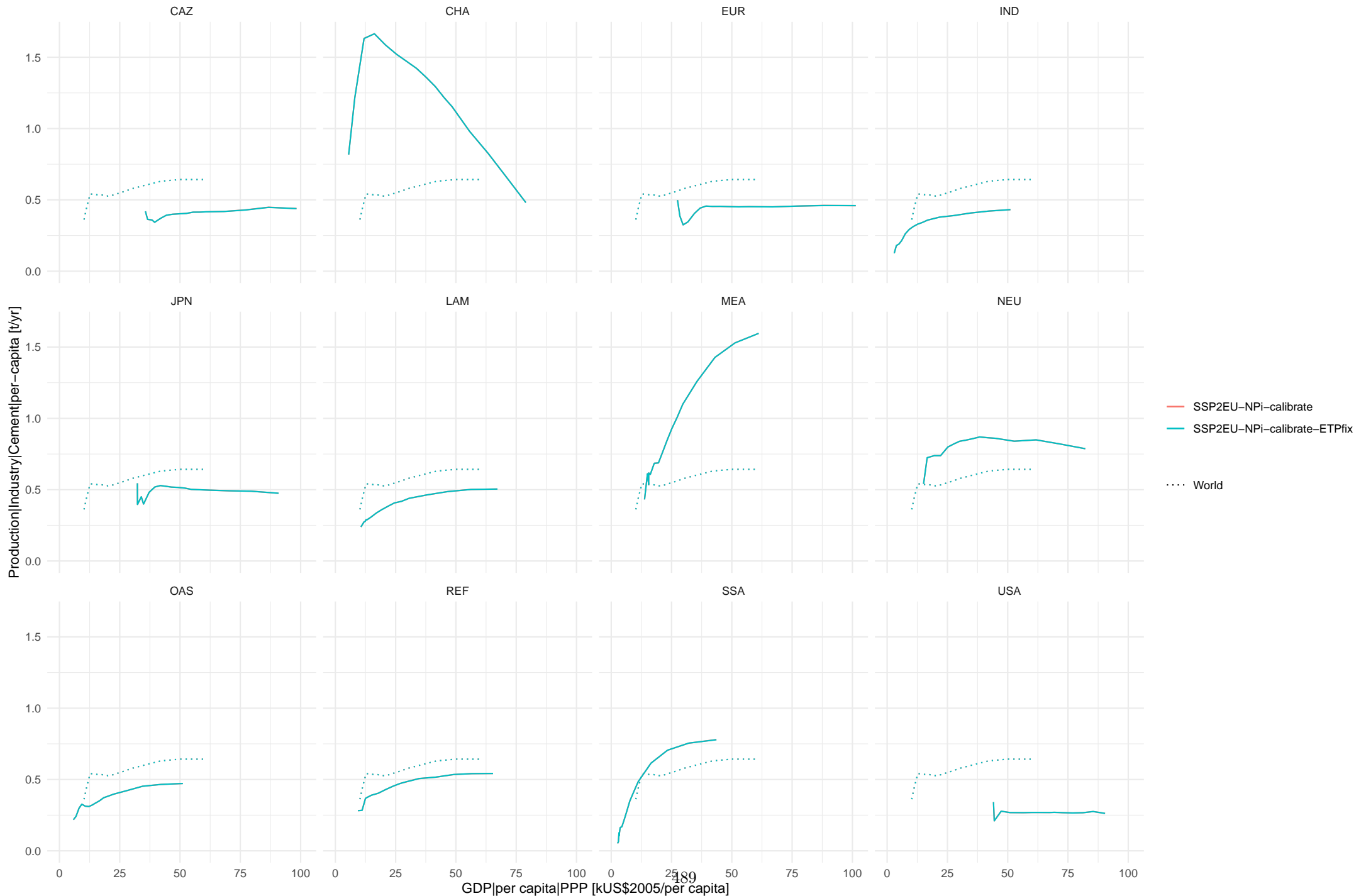
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

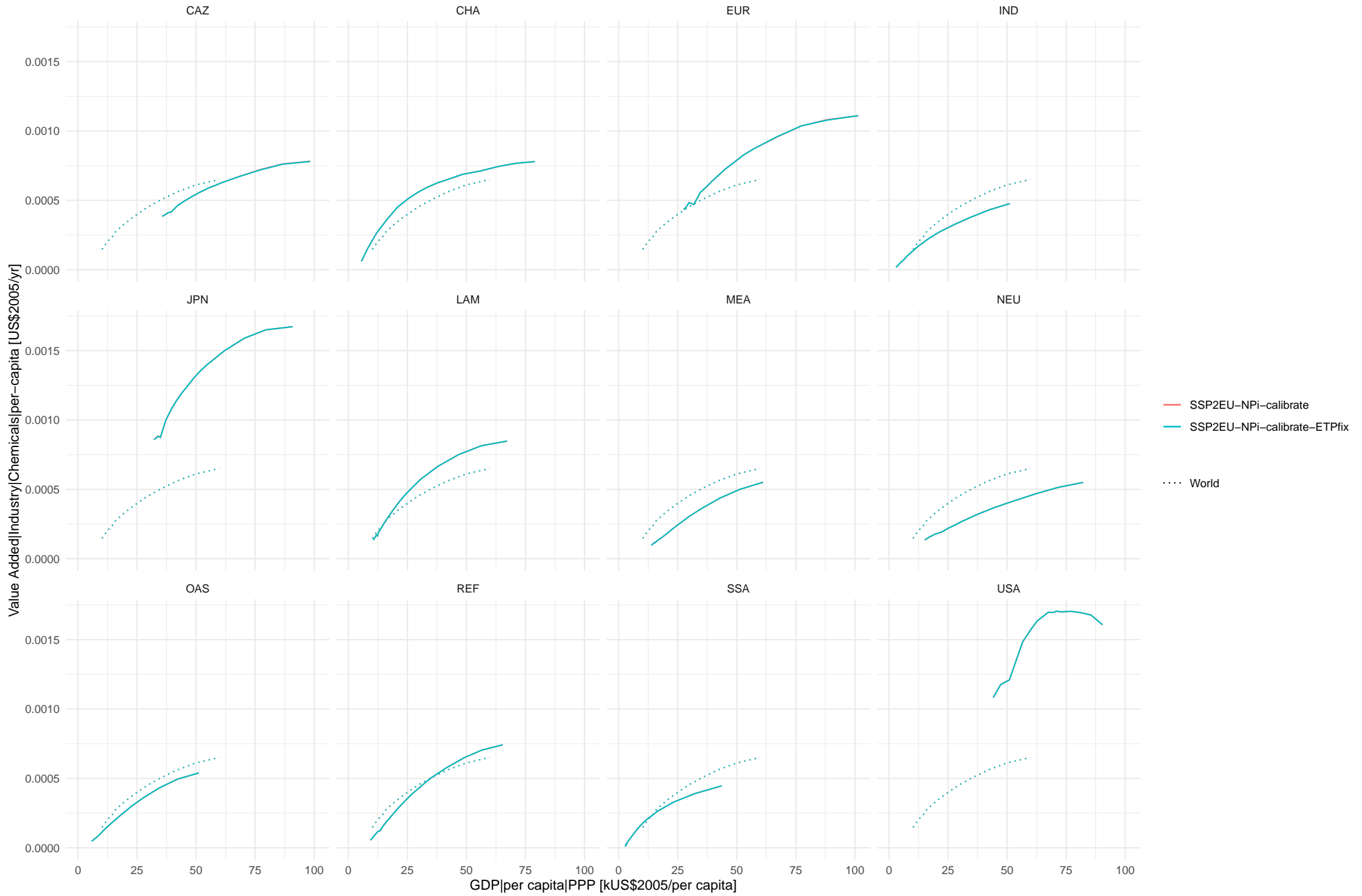


6.3.7 Subsector per-capita Production over per-capita GDP

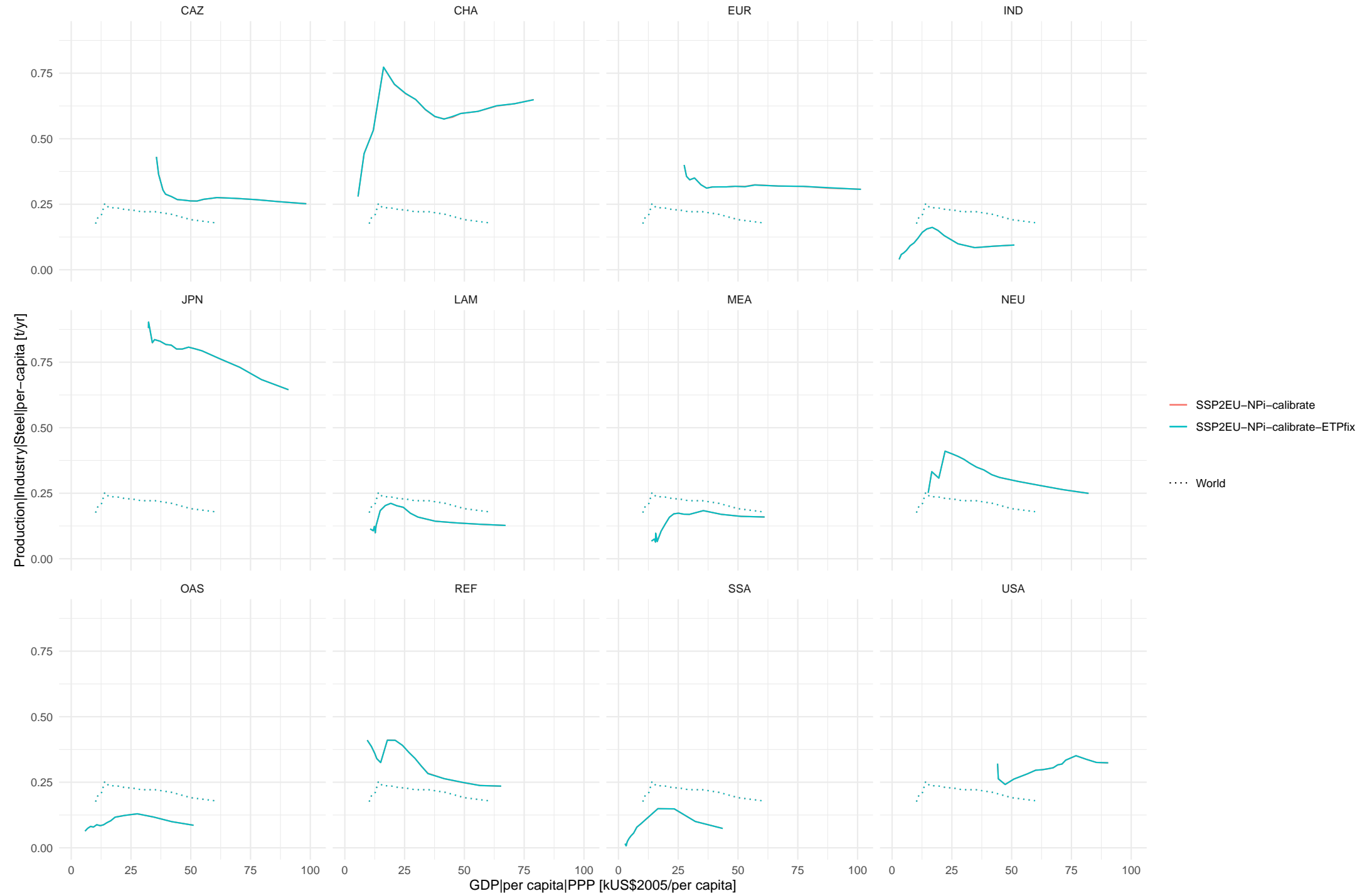
6.3.7.1 Cement



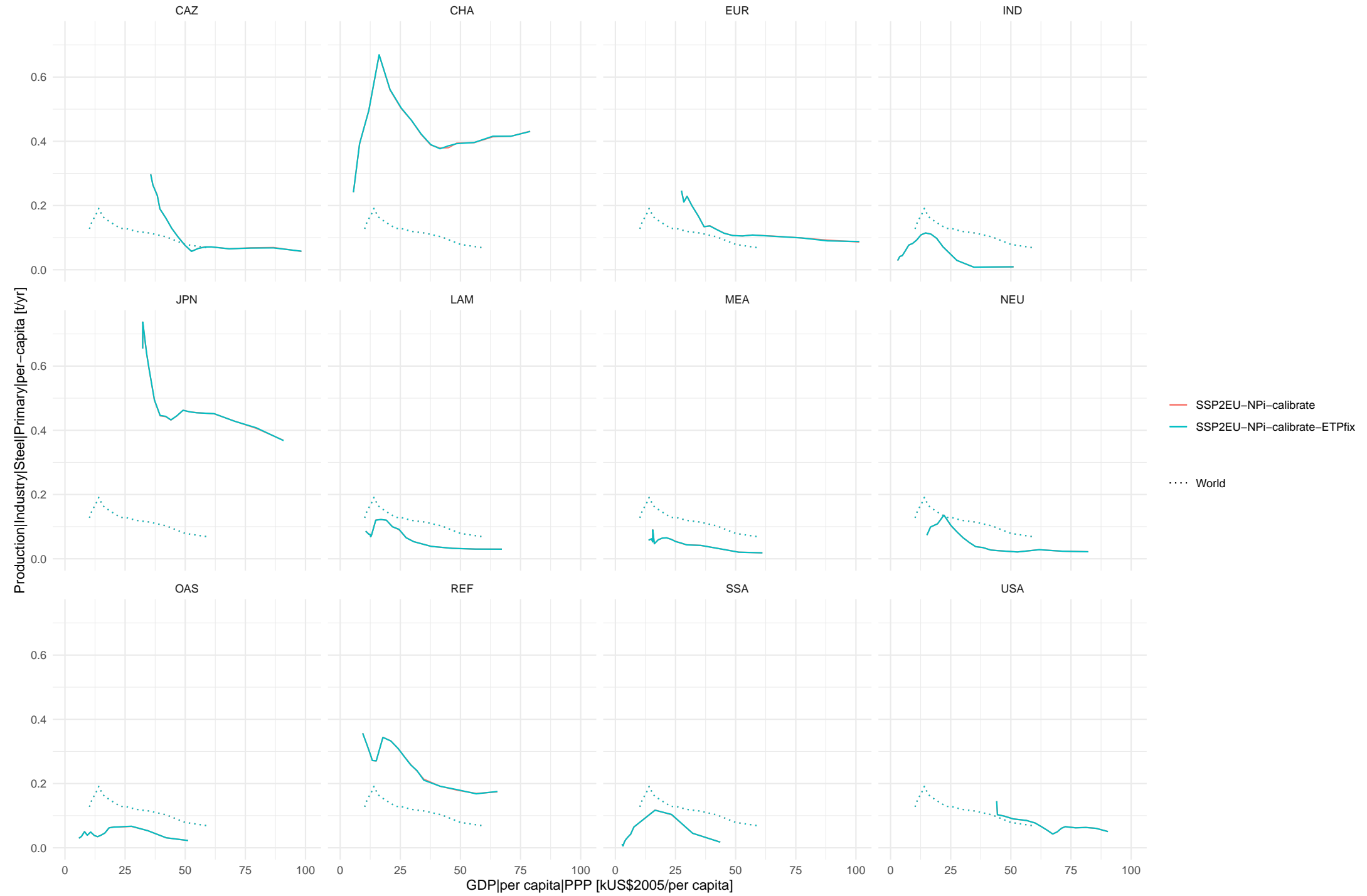
6.3.7.2 Chemicals



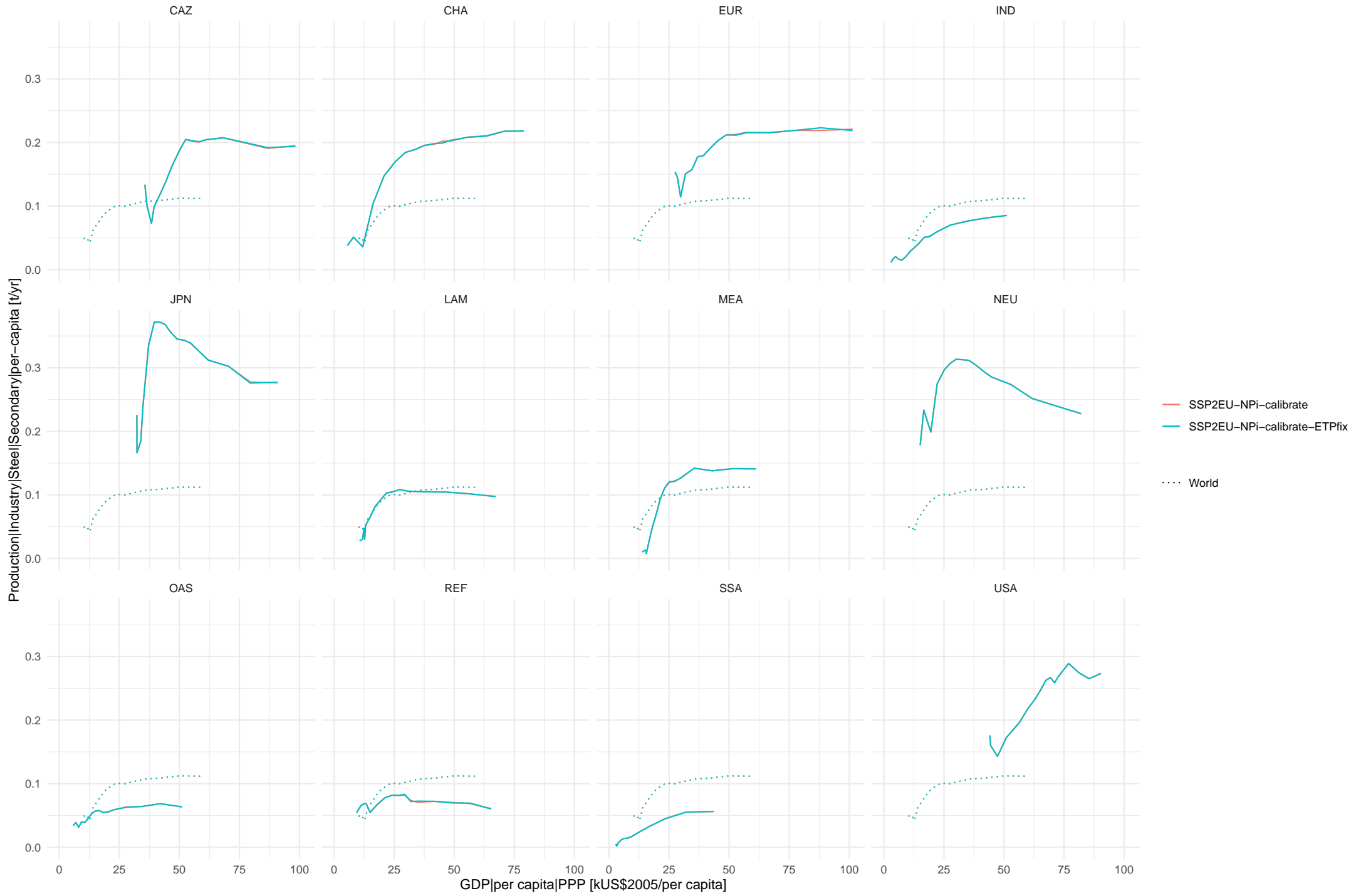
6.3.7.3 Steel



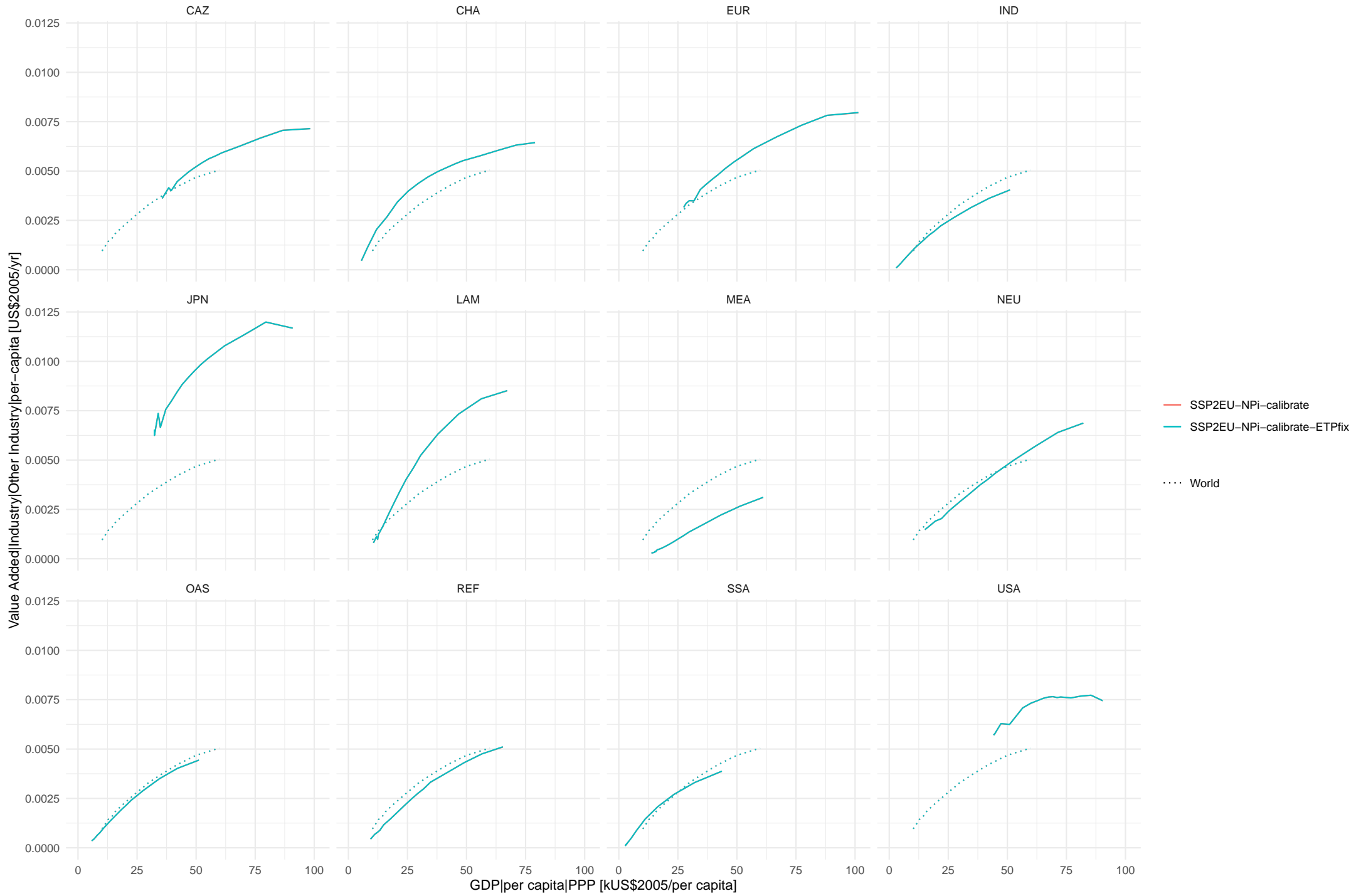
6.3.7.4 Steel|Primary

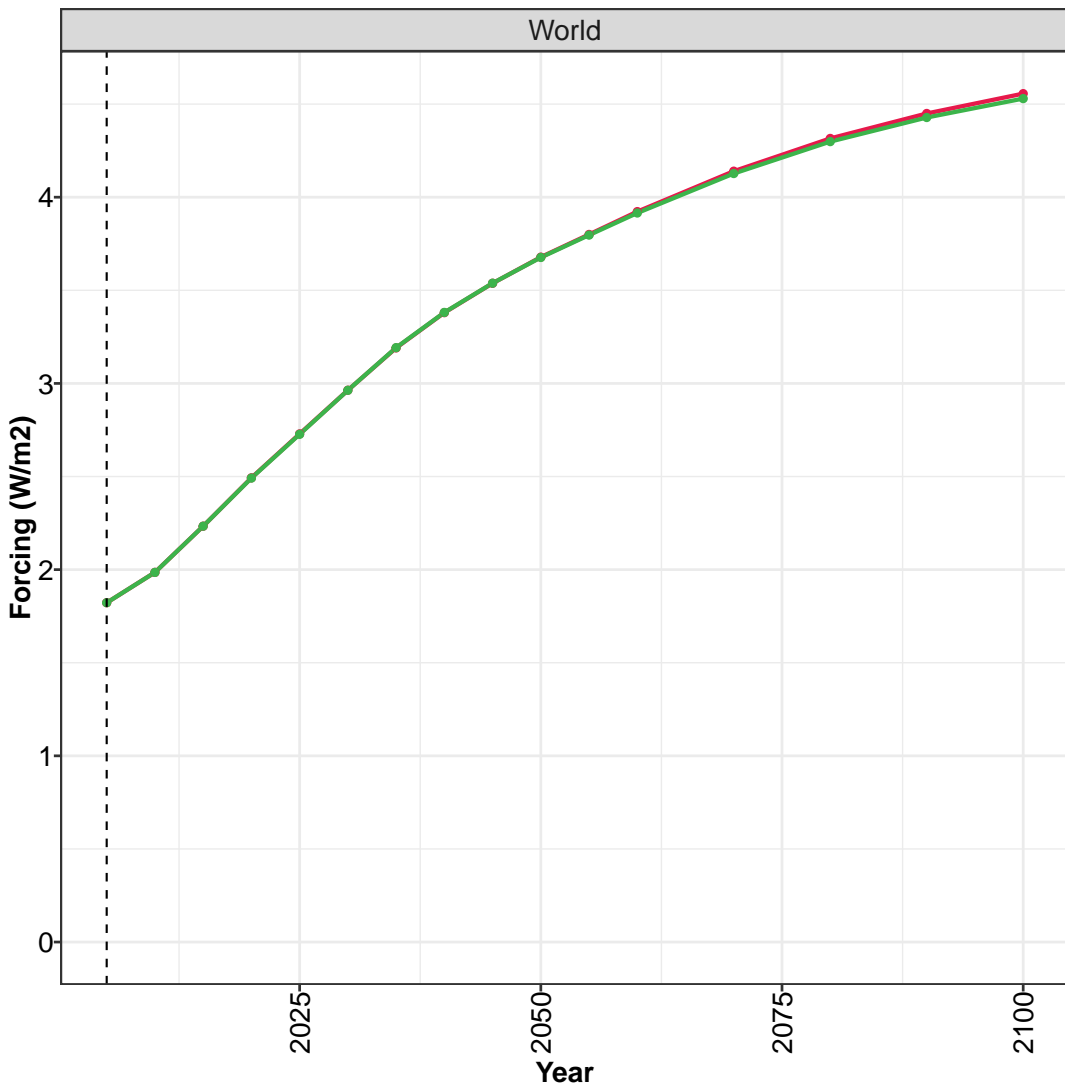


6.3.7.5 Steel|Secondary



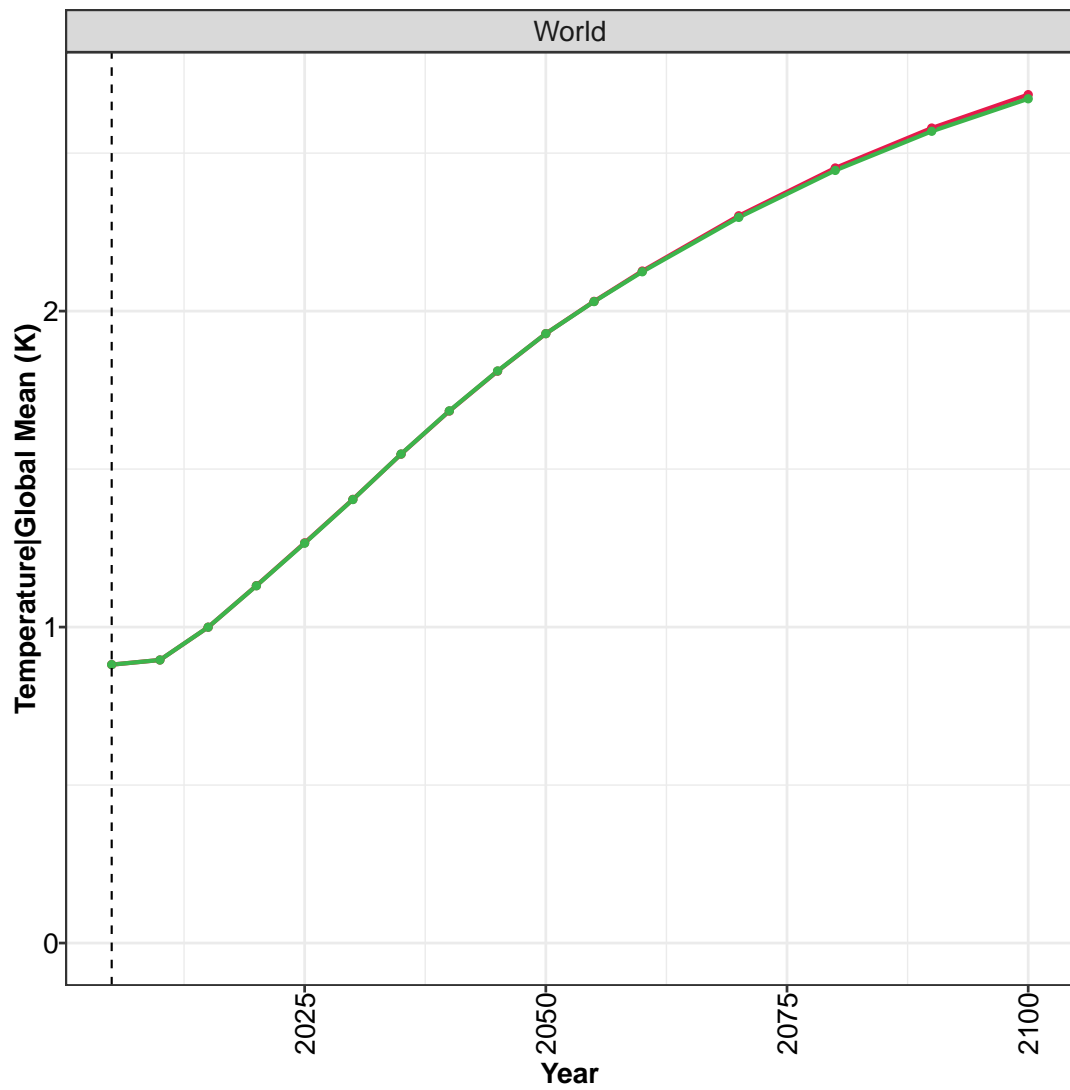
6.3.7.6 Other Industry





Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

8.1 SDG 1

8.2 SDG 3

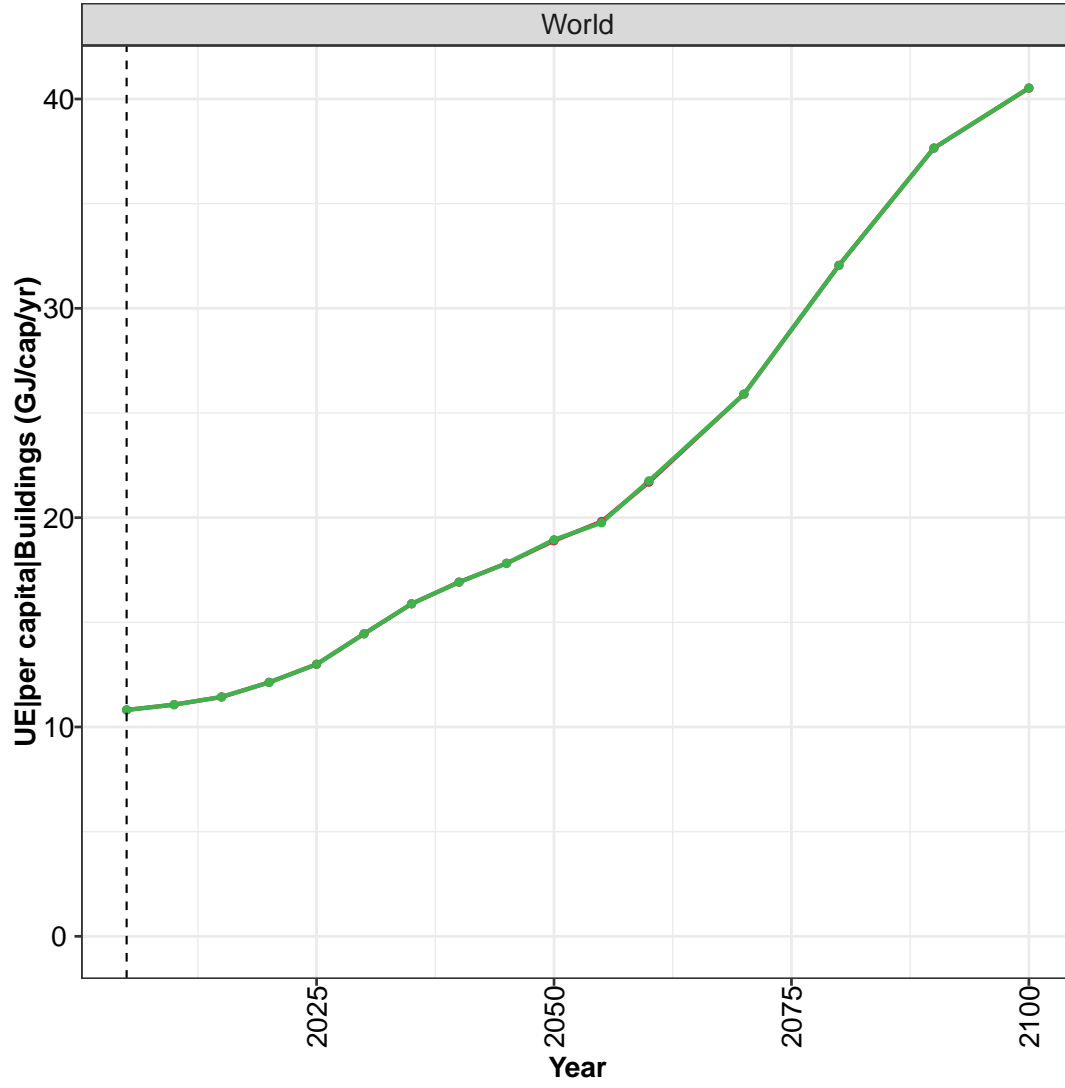
8.3 SDG 4

8.4 SDG 5

8.5 SDG 6

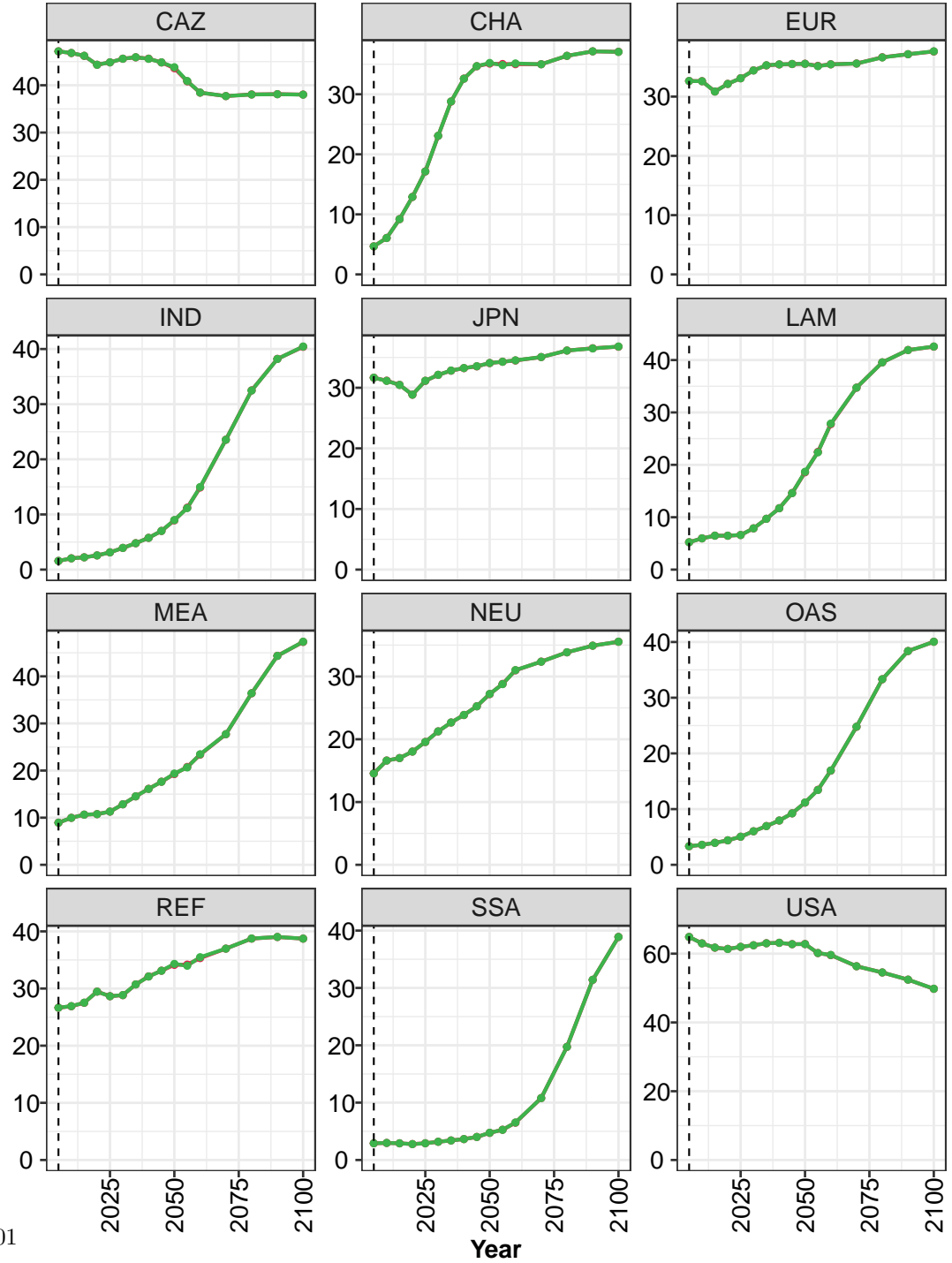
8.6 SDG 7

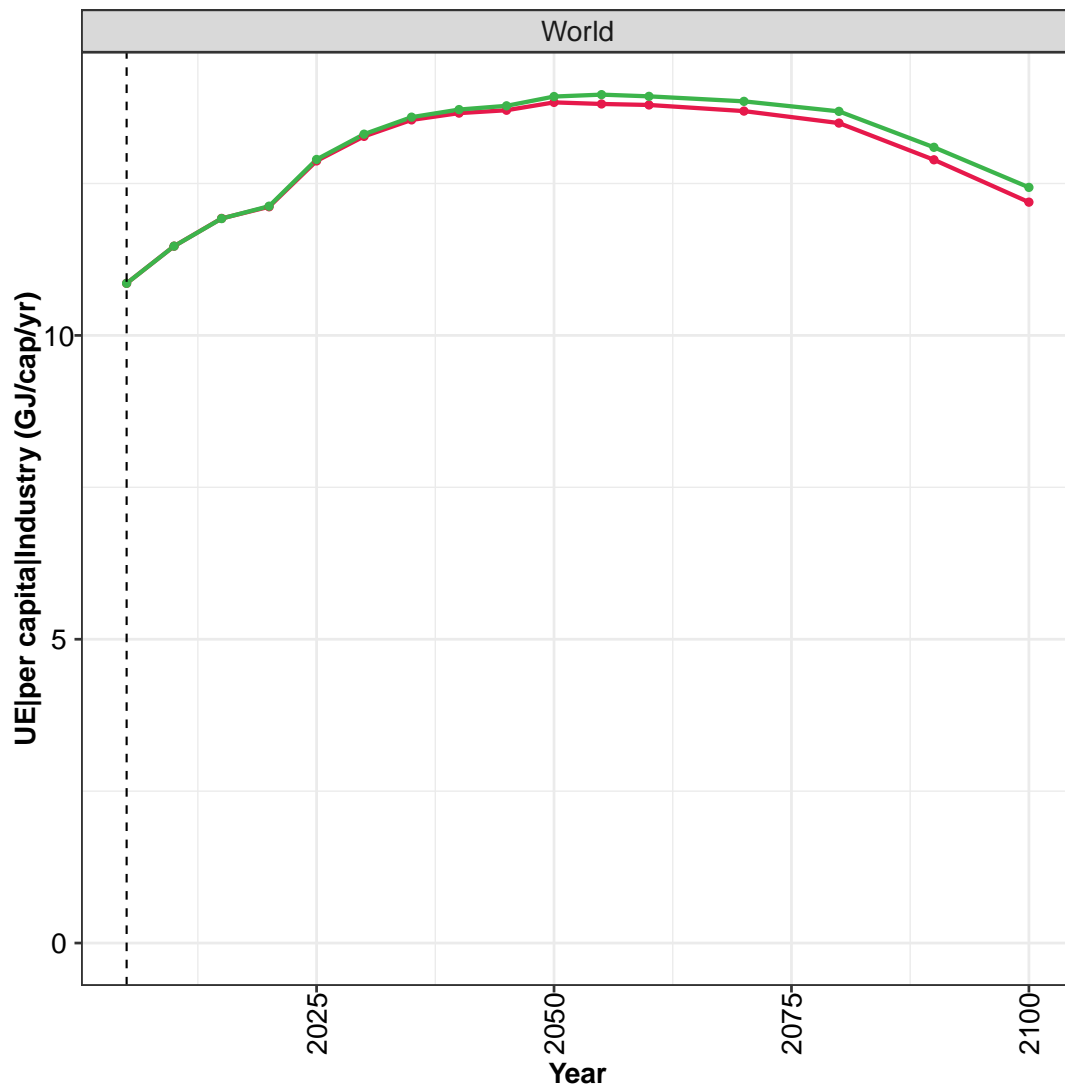
8.6.1 access



Model: REMIND

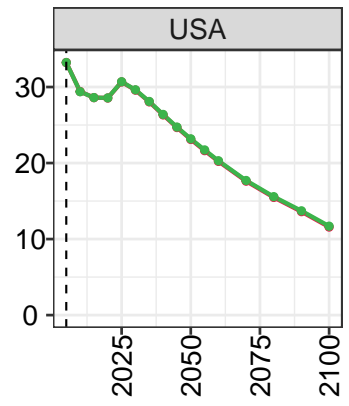
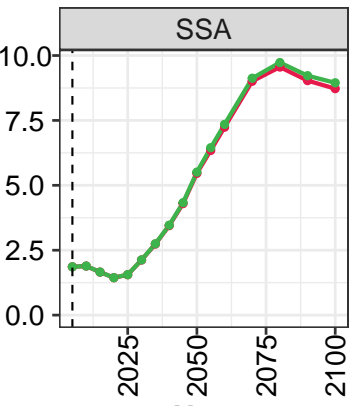
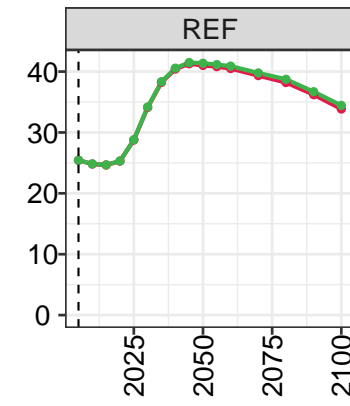
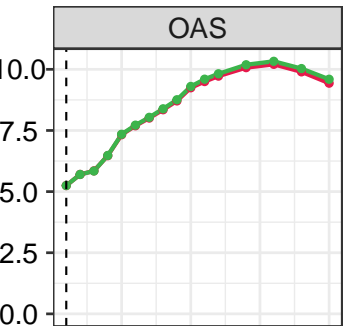
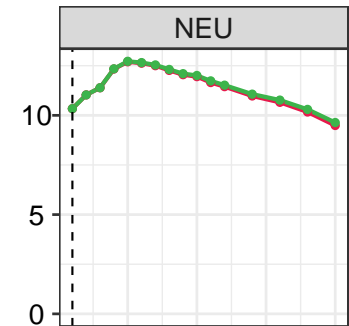
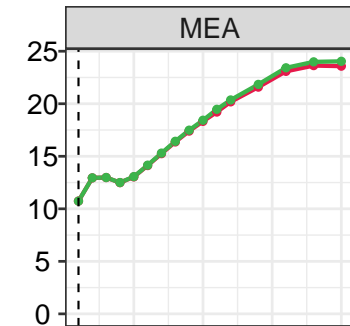
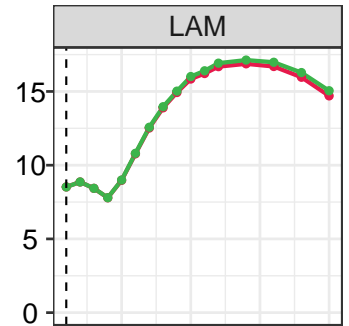
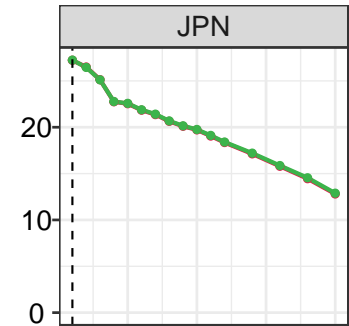
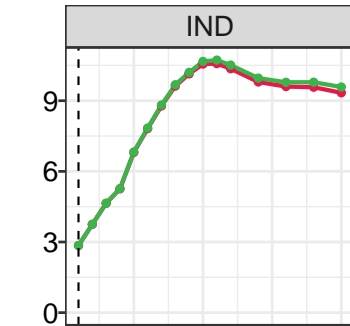
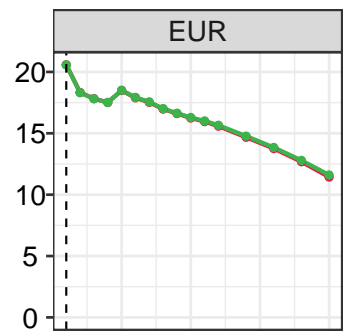
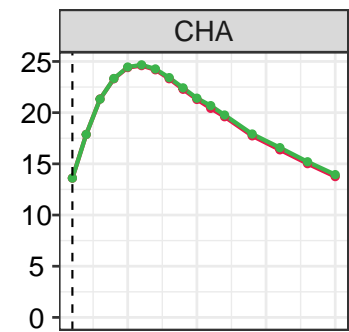
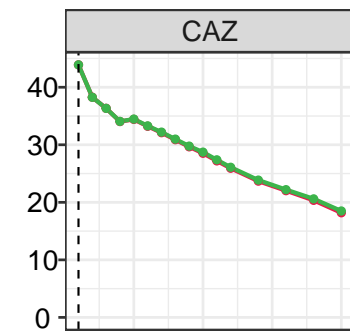
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- SSP2EU-NPi-calibrate-ETPfix

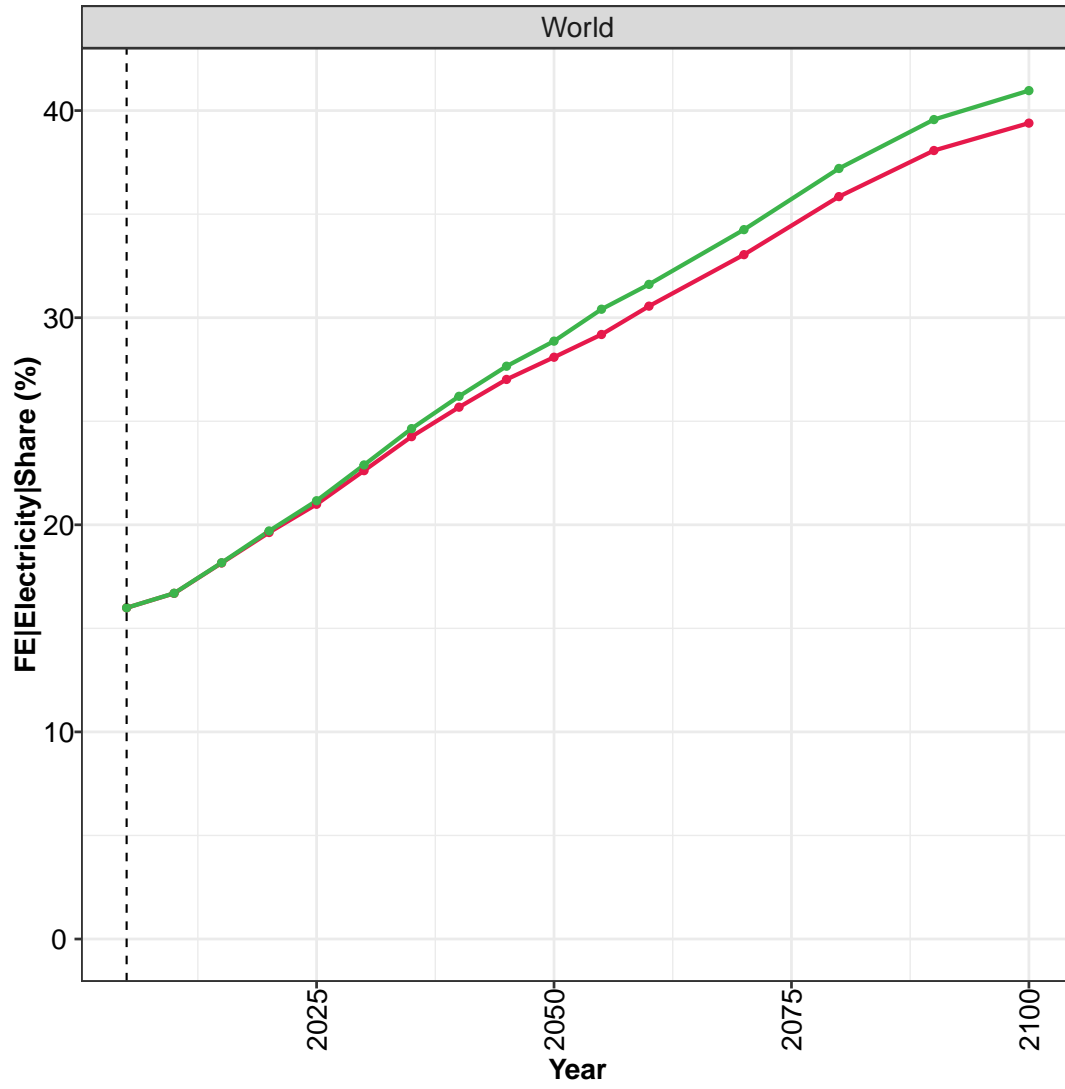




Model: REMIND

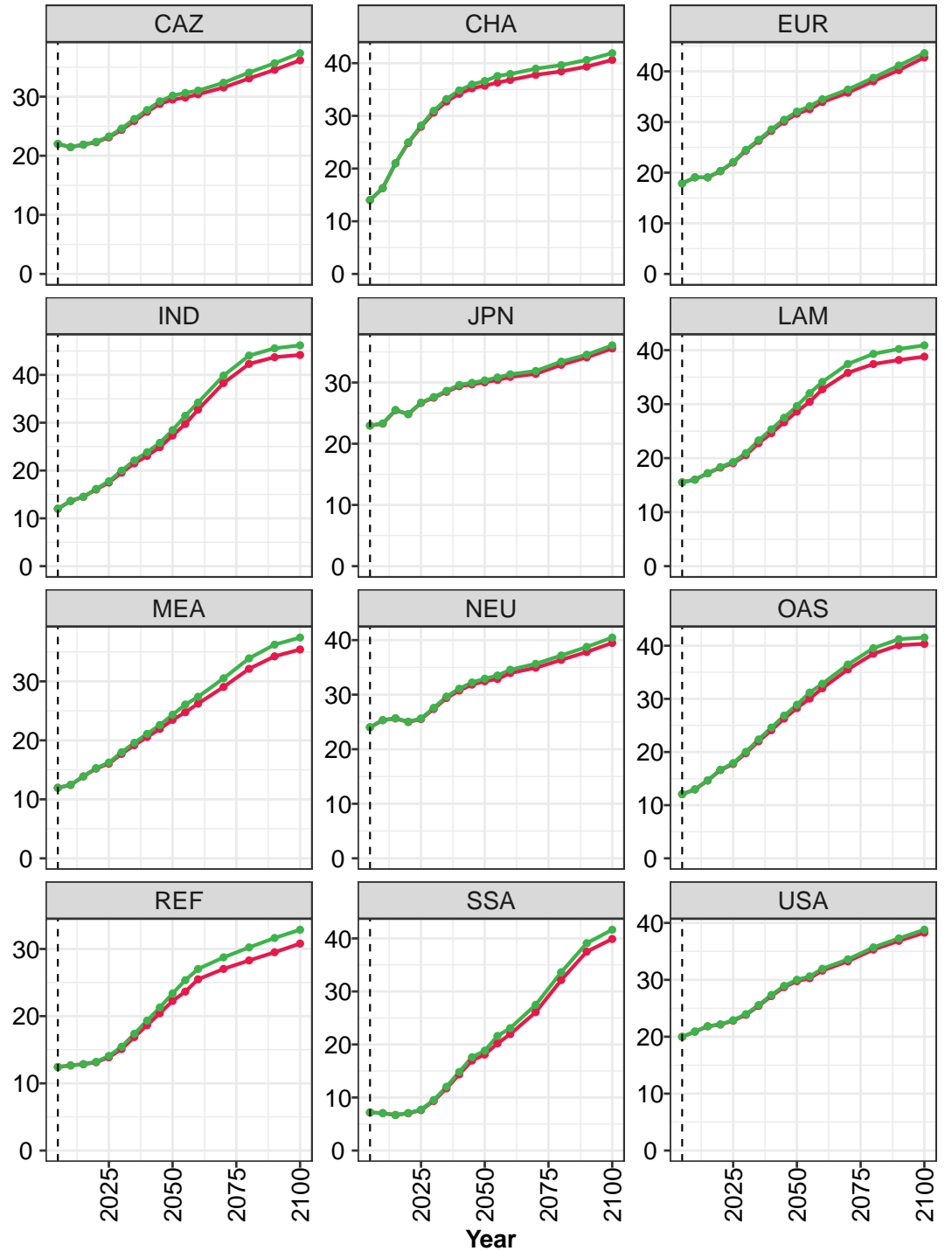
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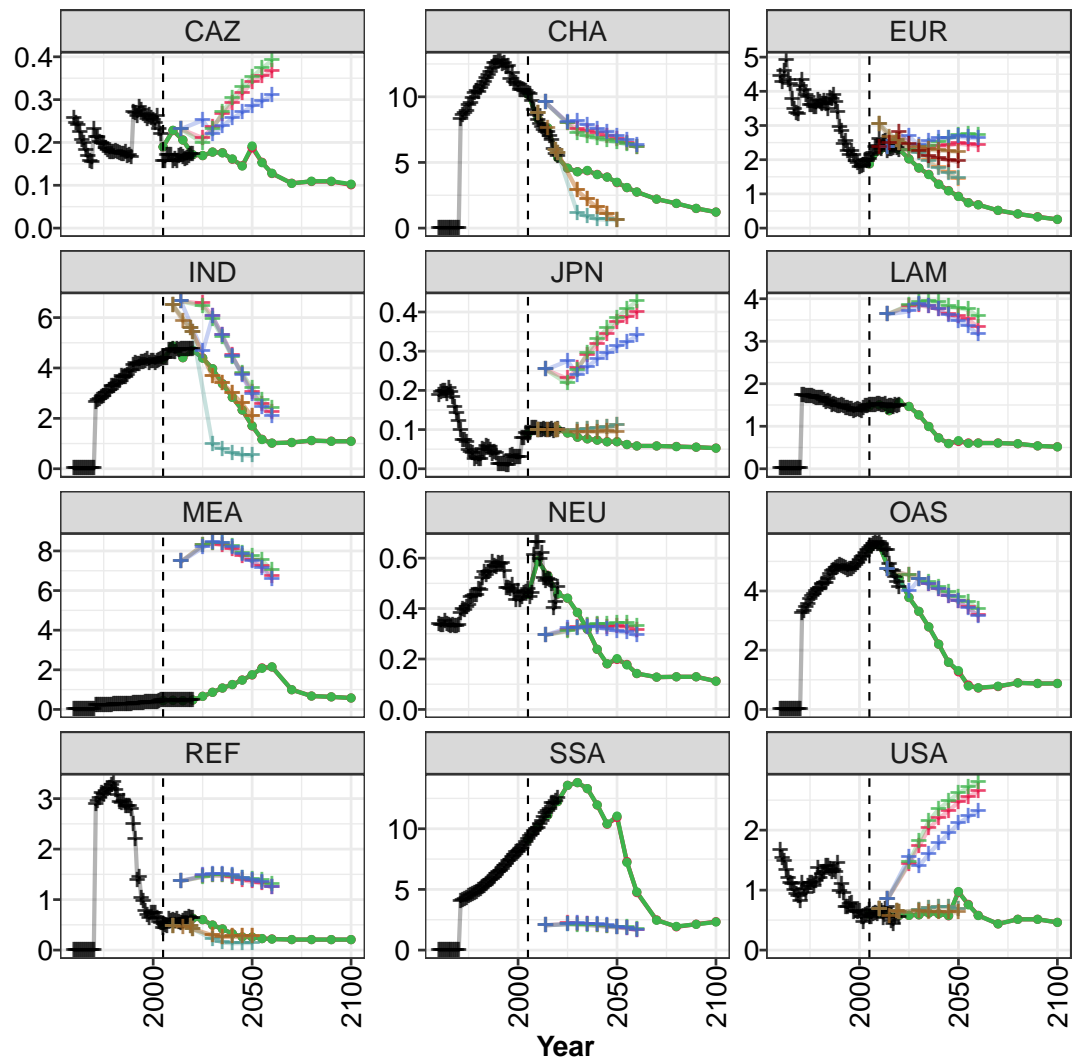
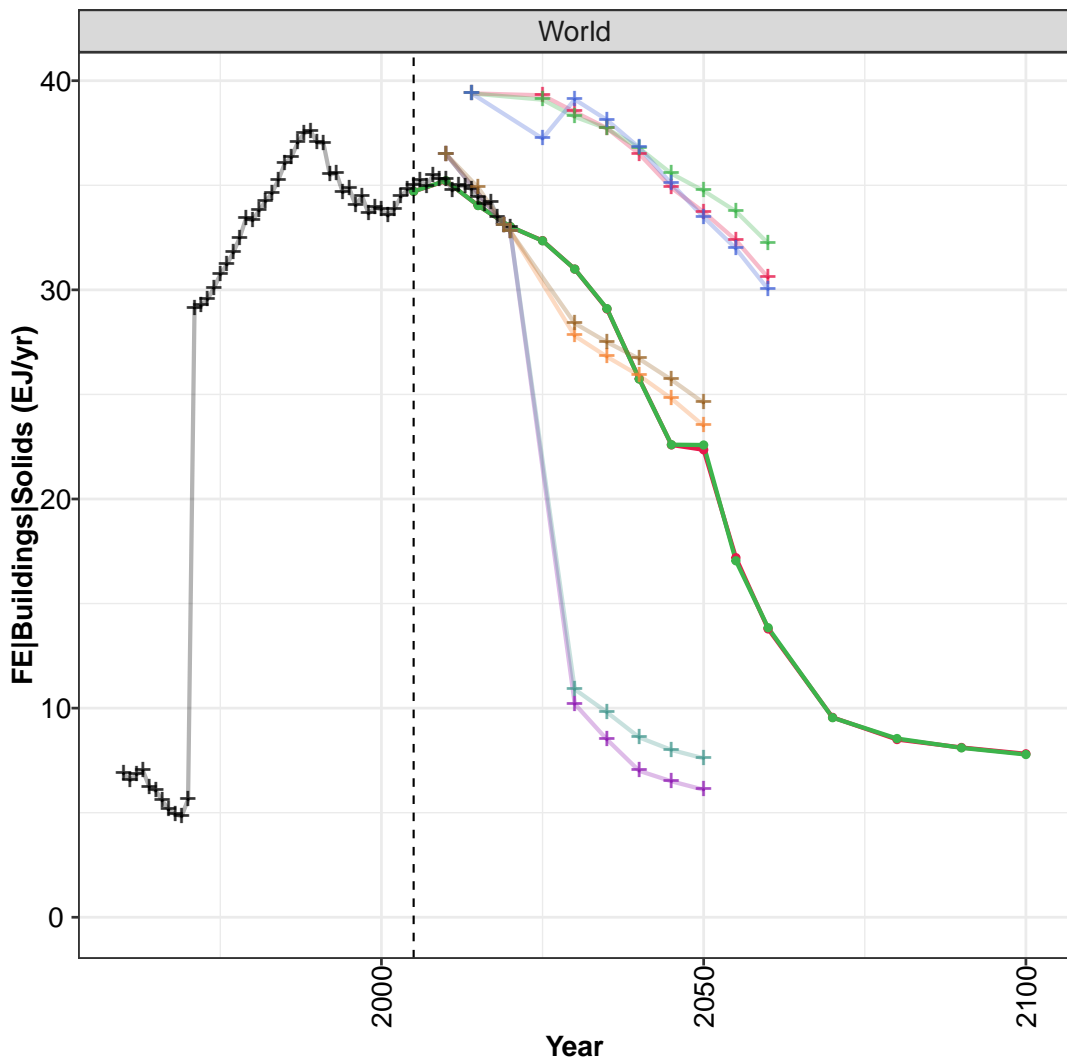




Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix





Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

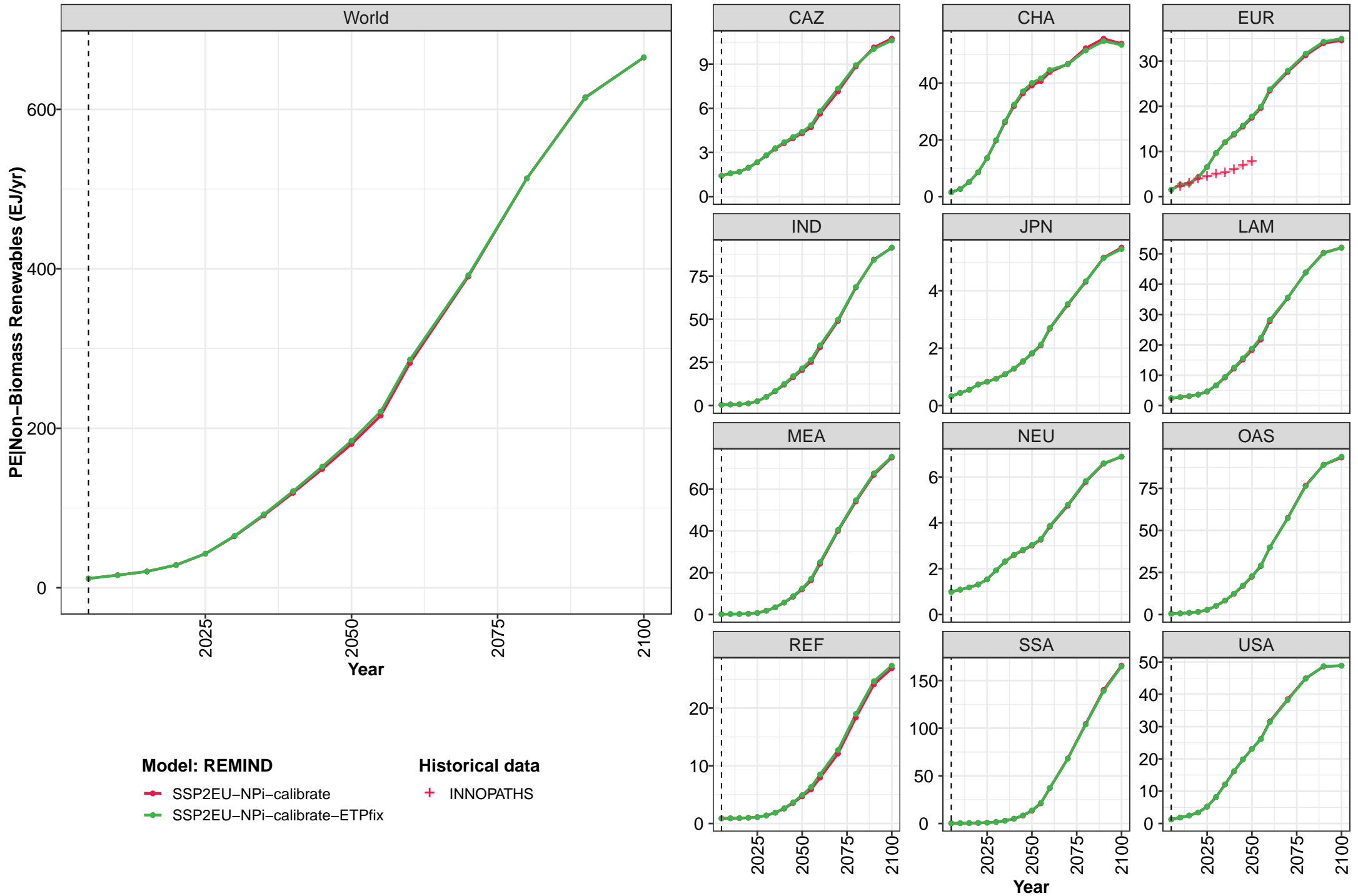
- + IEA
- + IEA ETP 2DS
- + IEA ETP B2DS
- + IEA ETP RTS
- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS

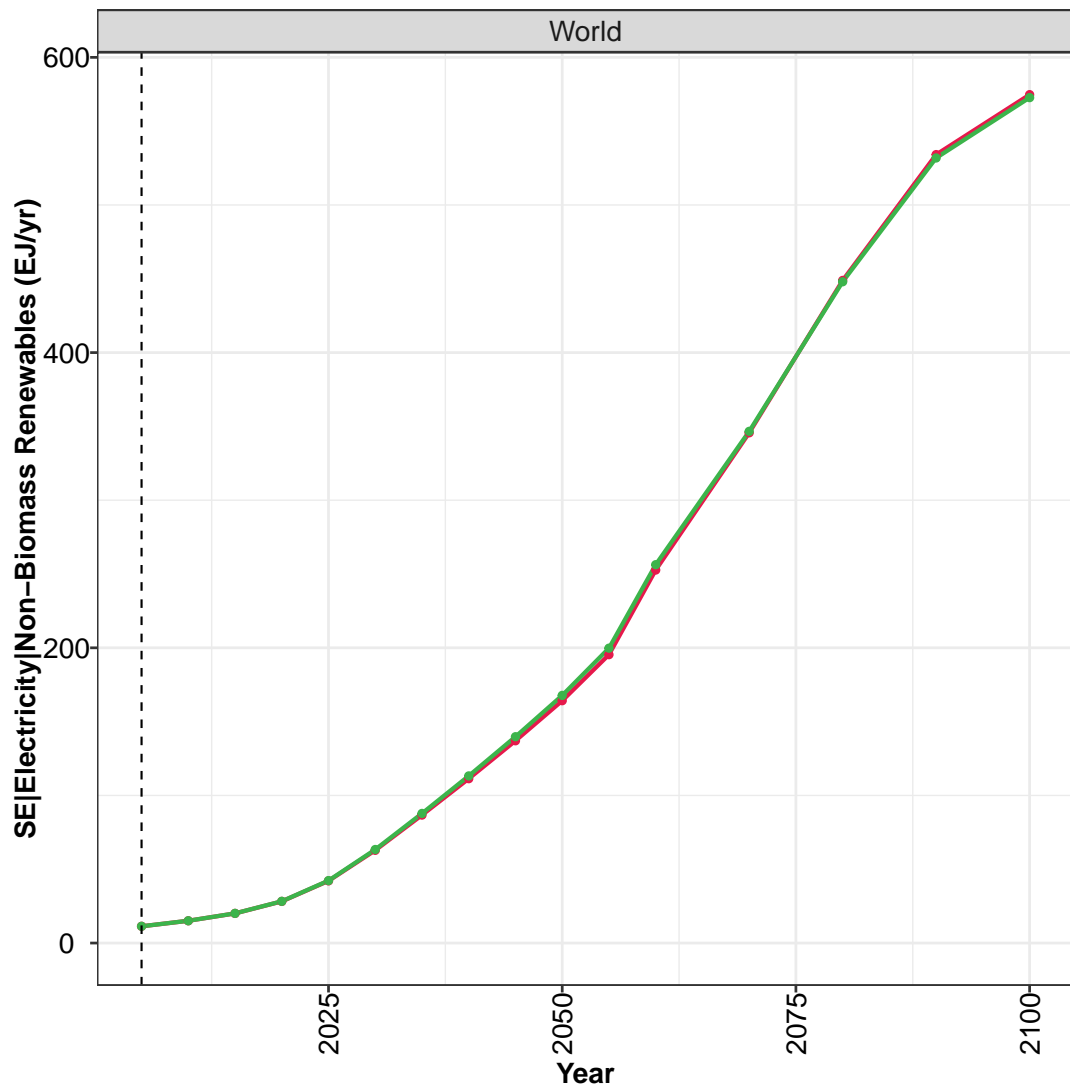
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

Historical data

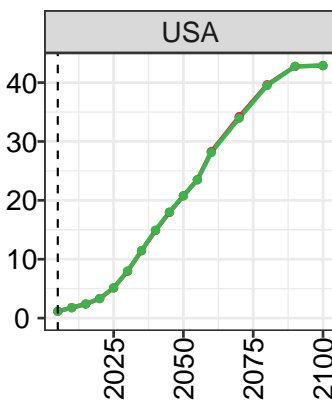
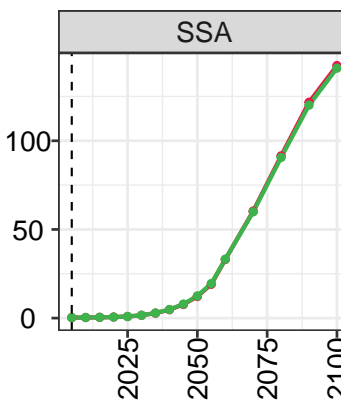
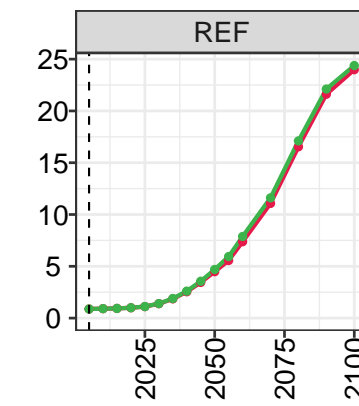
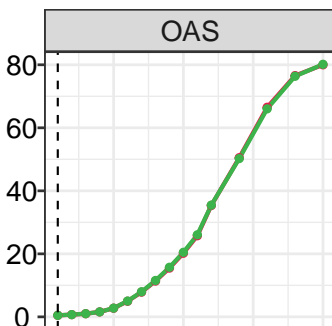
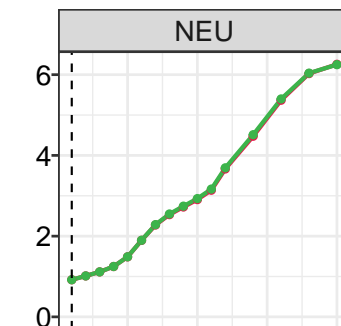
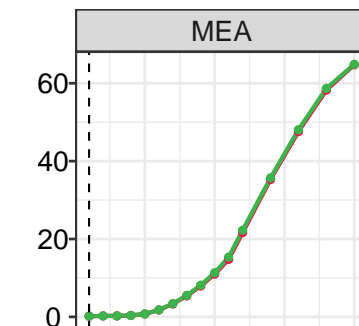
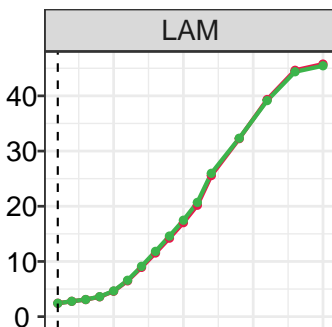
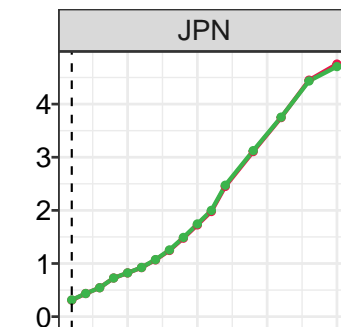
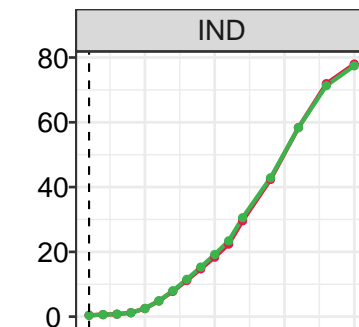
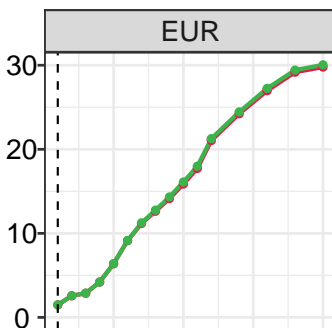
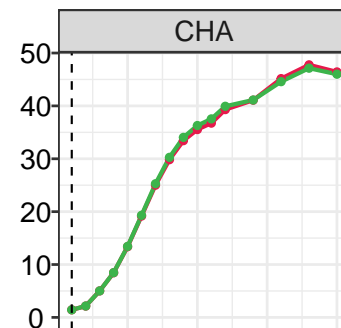
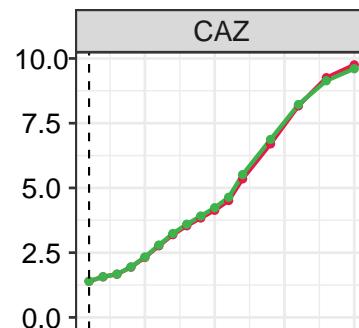
- + IEA
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- + INNOPATHS

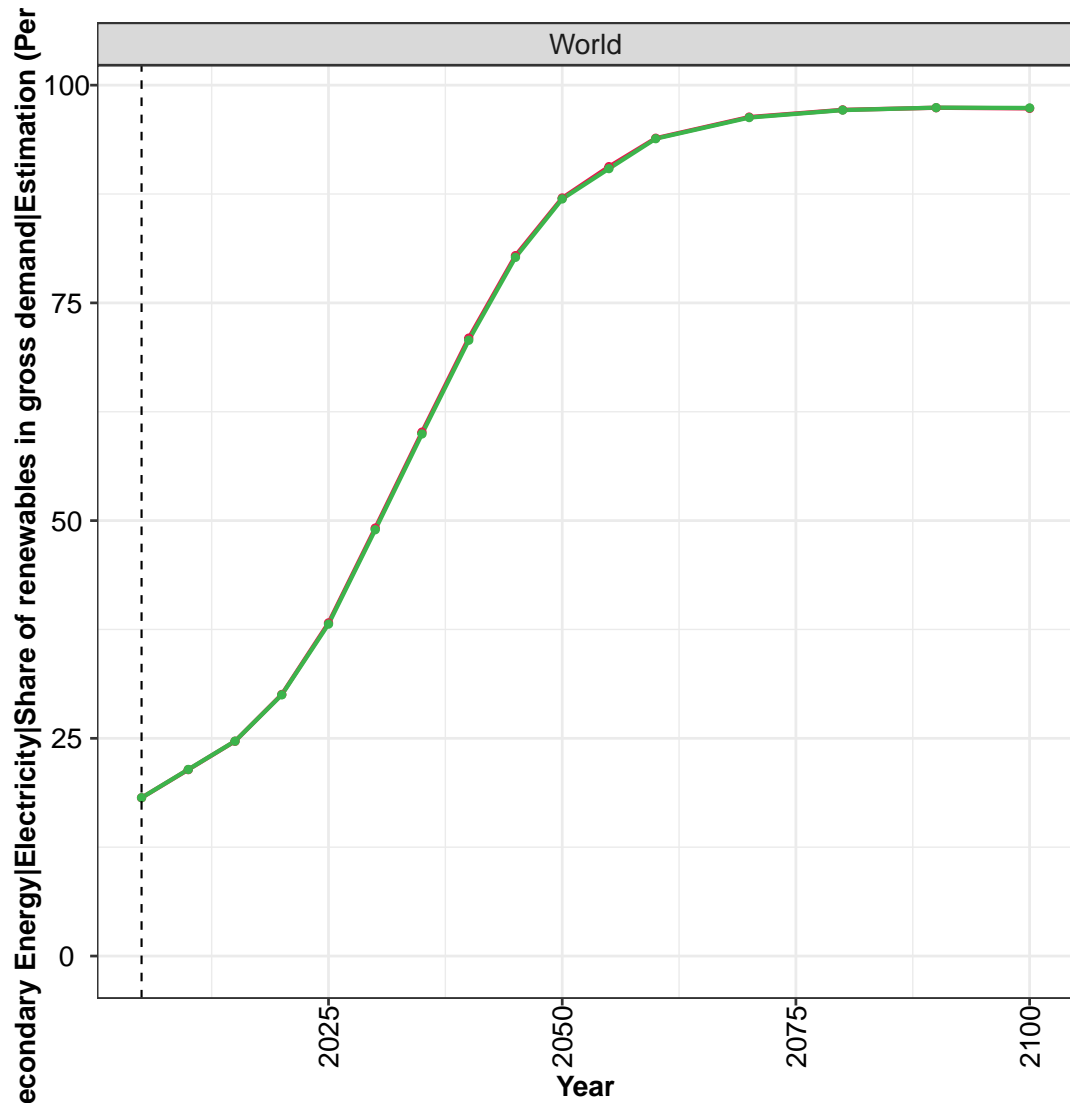




Model: REMIND

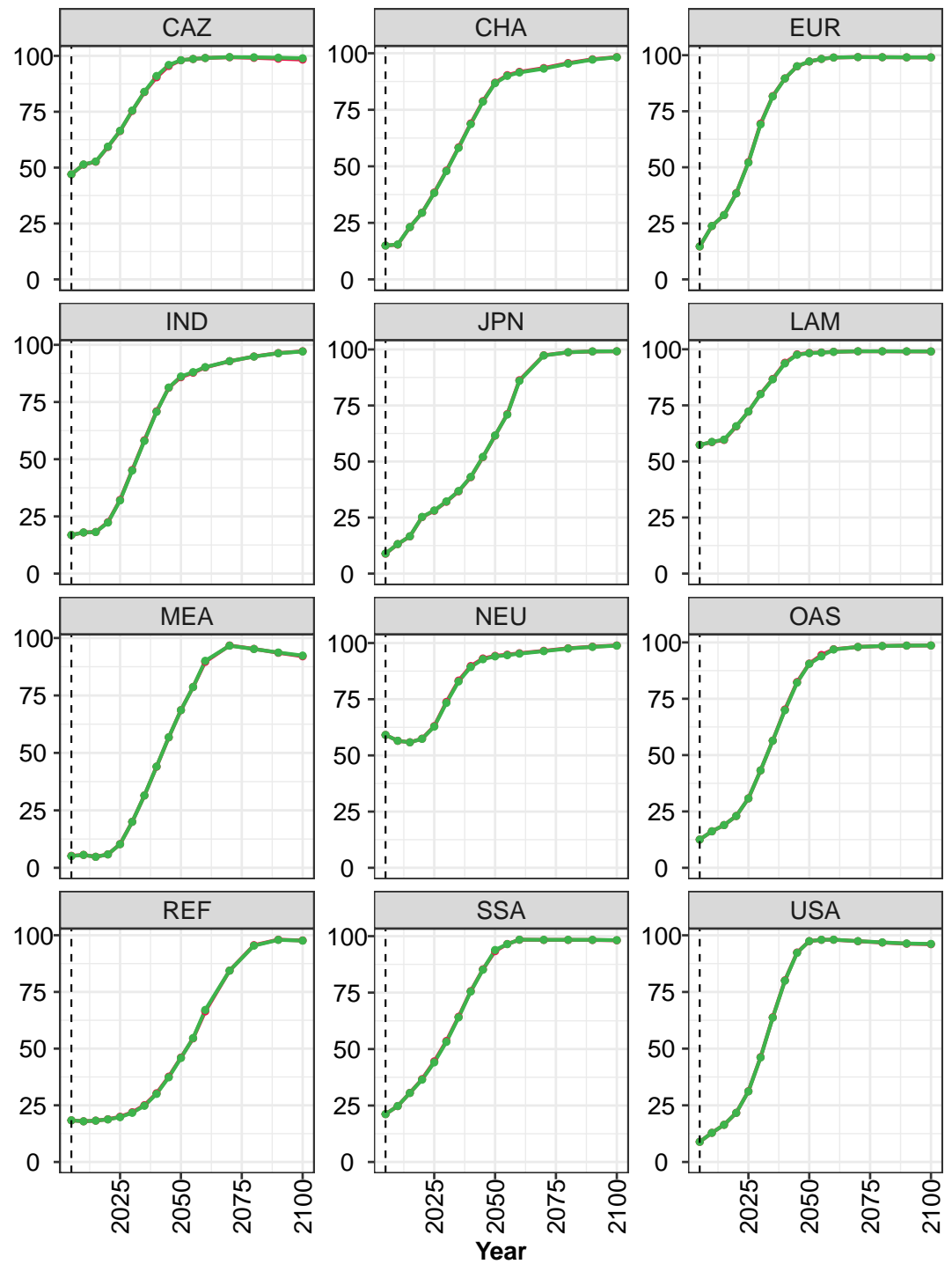
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- SSP2EU-NPi-calibrate-ETPfix





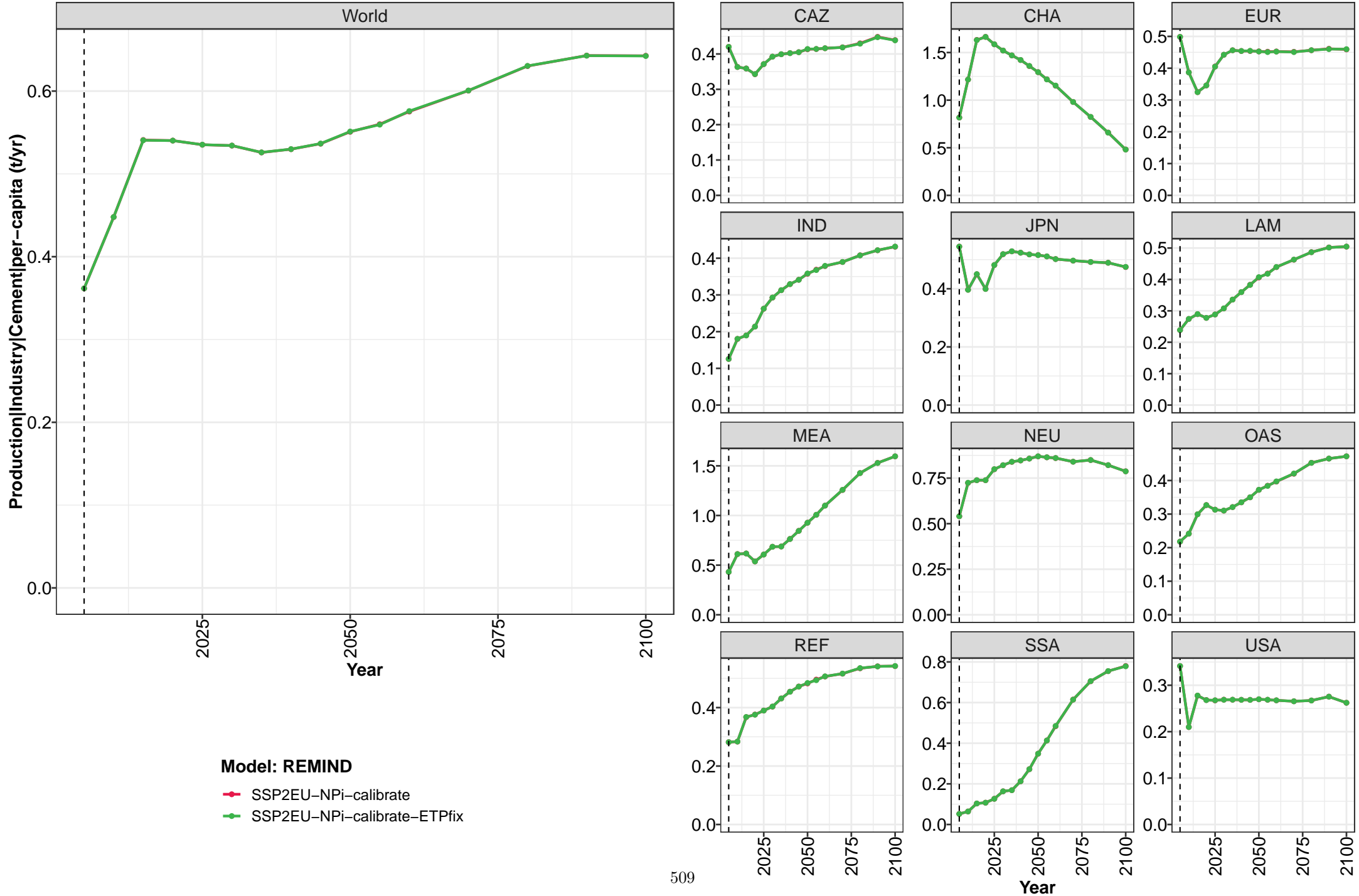
Model: REMIND

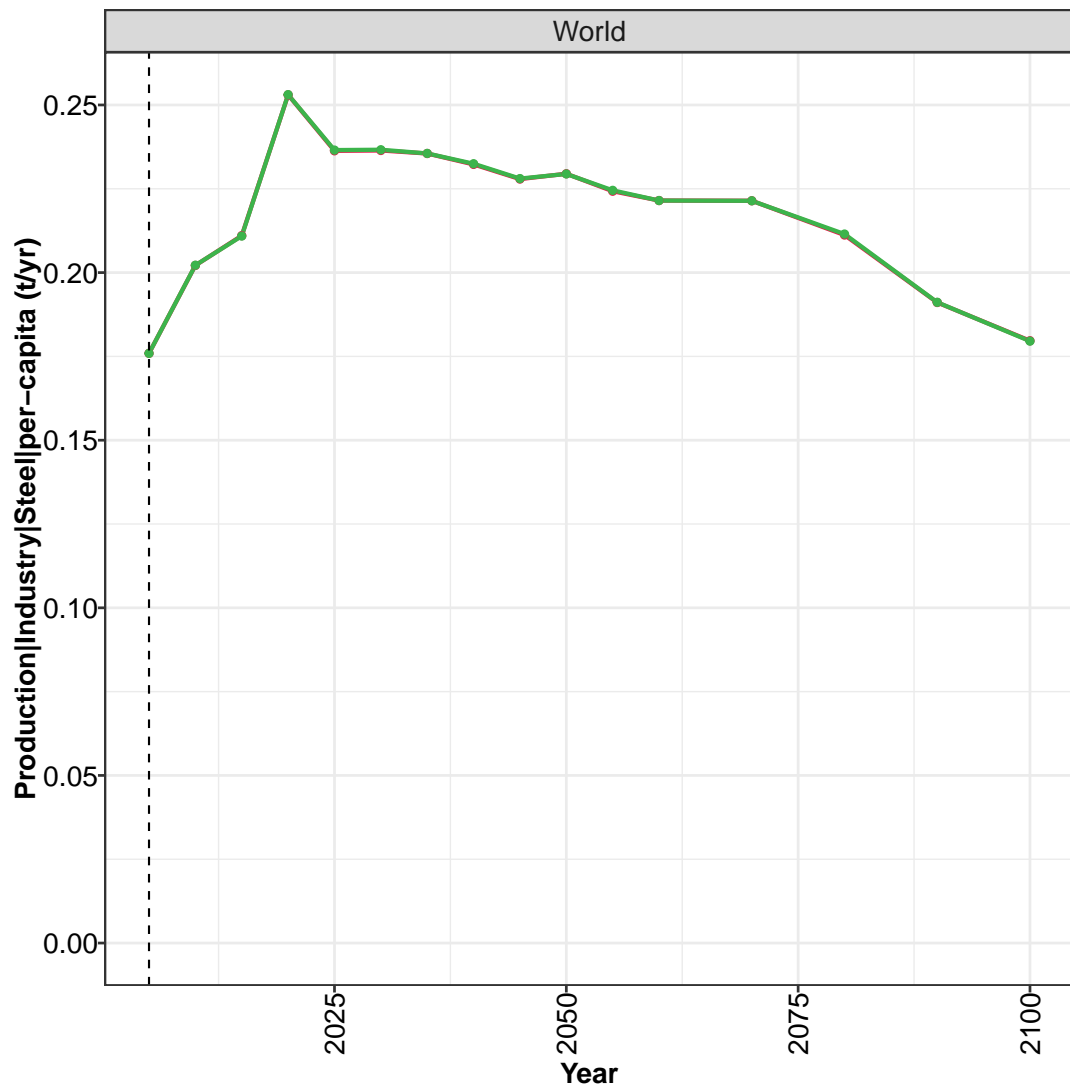
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- SSP2EU-NPi-calibrate-ETPfix



8.7 SDG 8

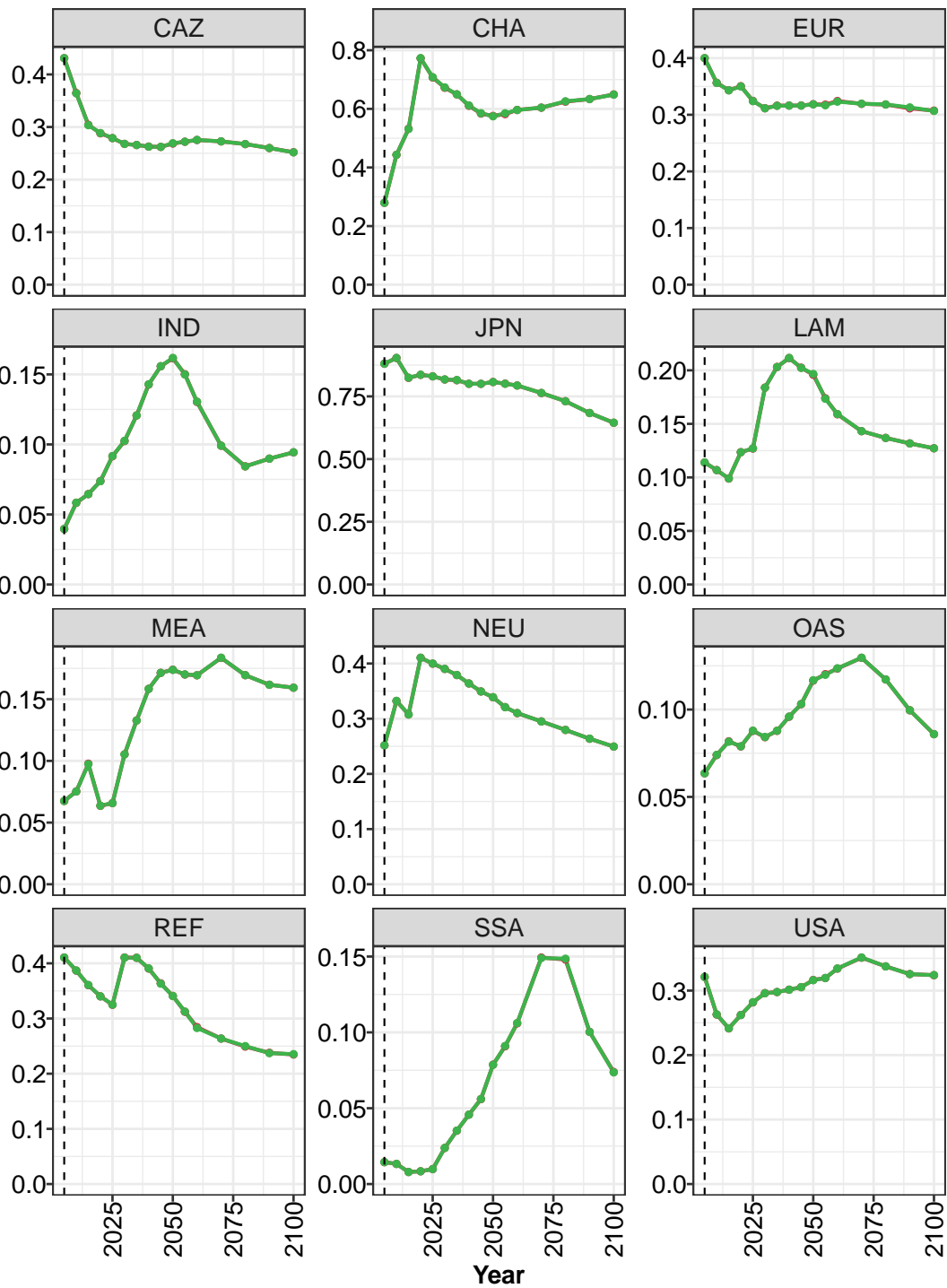
8.8 SDG 9

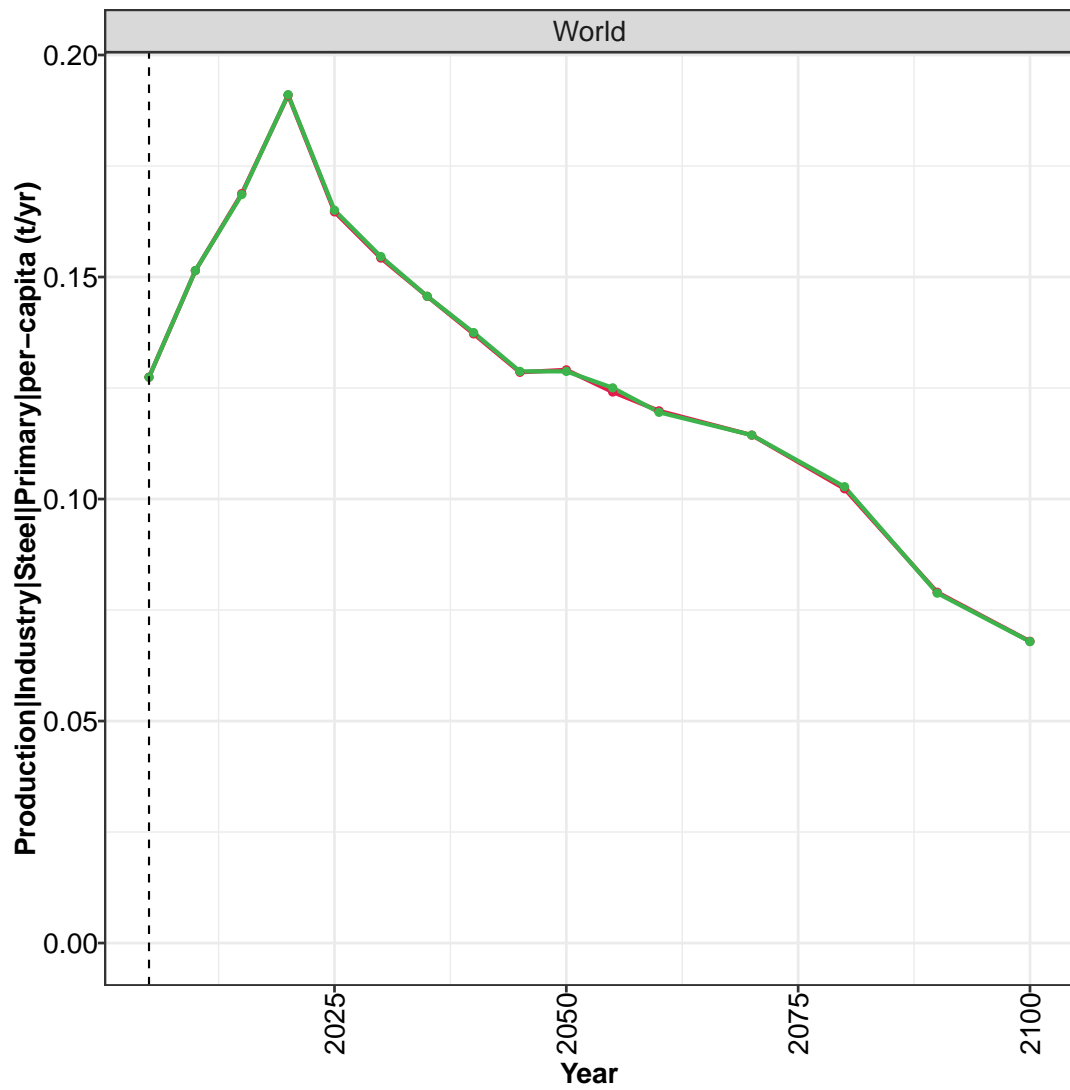




Model: REMIND

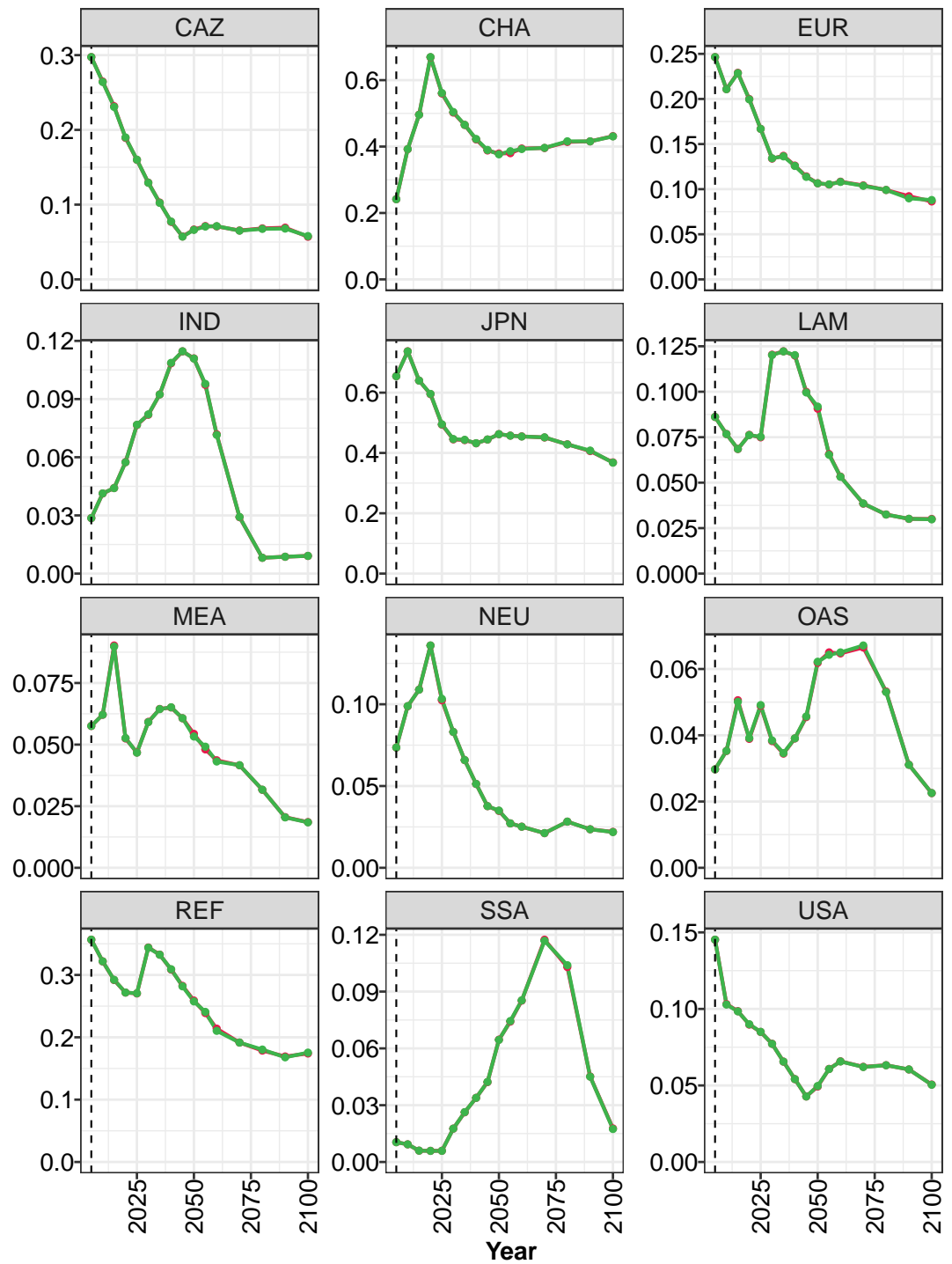
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- SSP2EU-NPi-calibrate-ETPfix

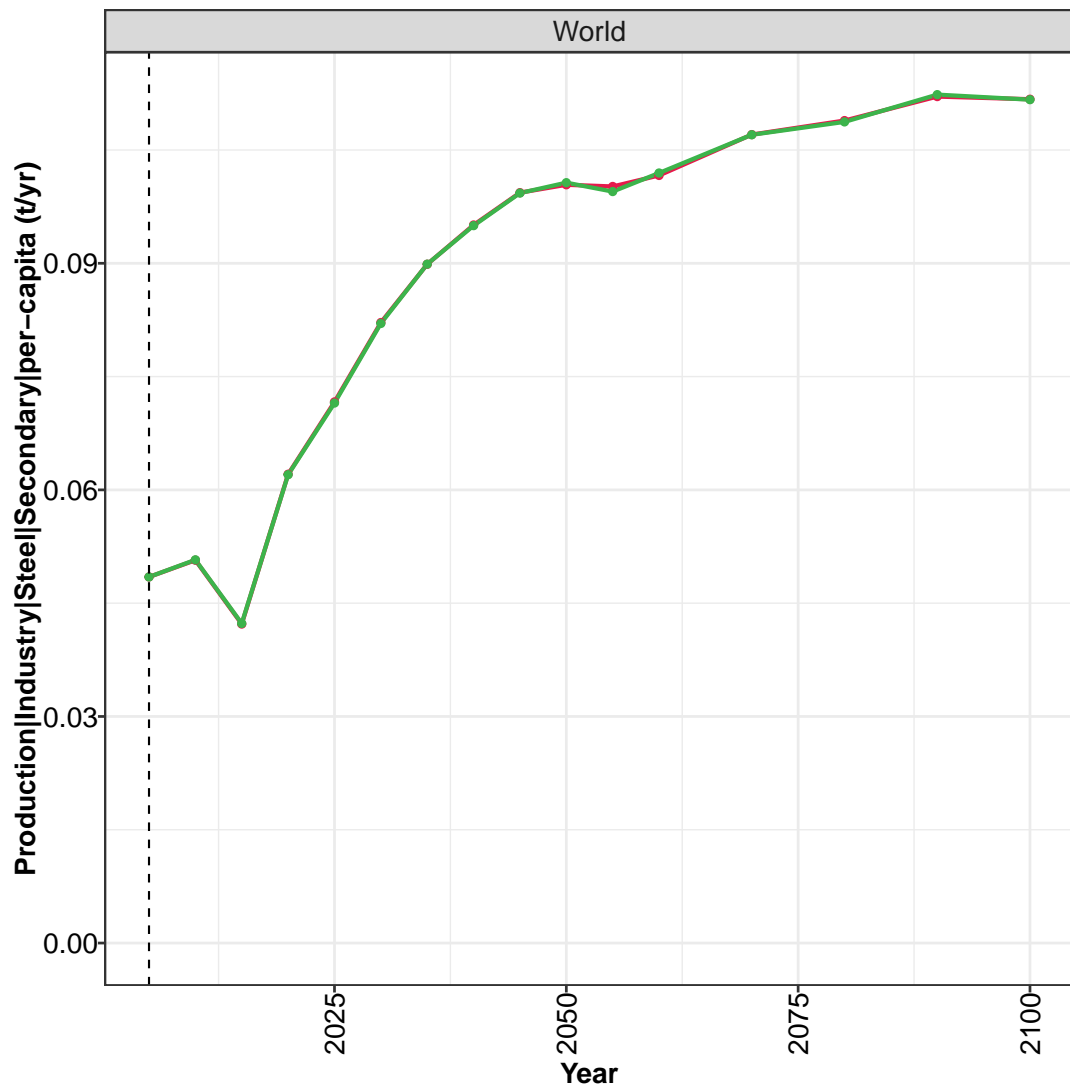




Model: REMIND

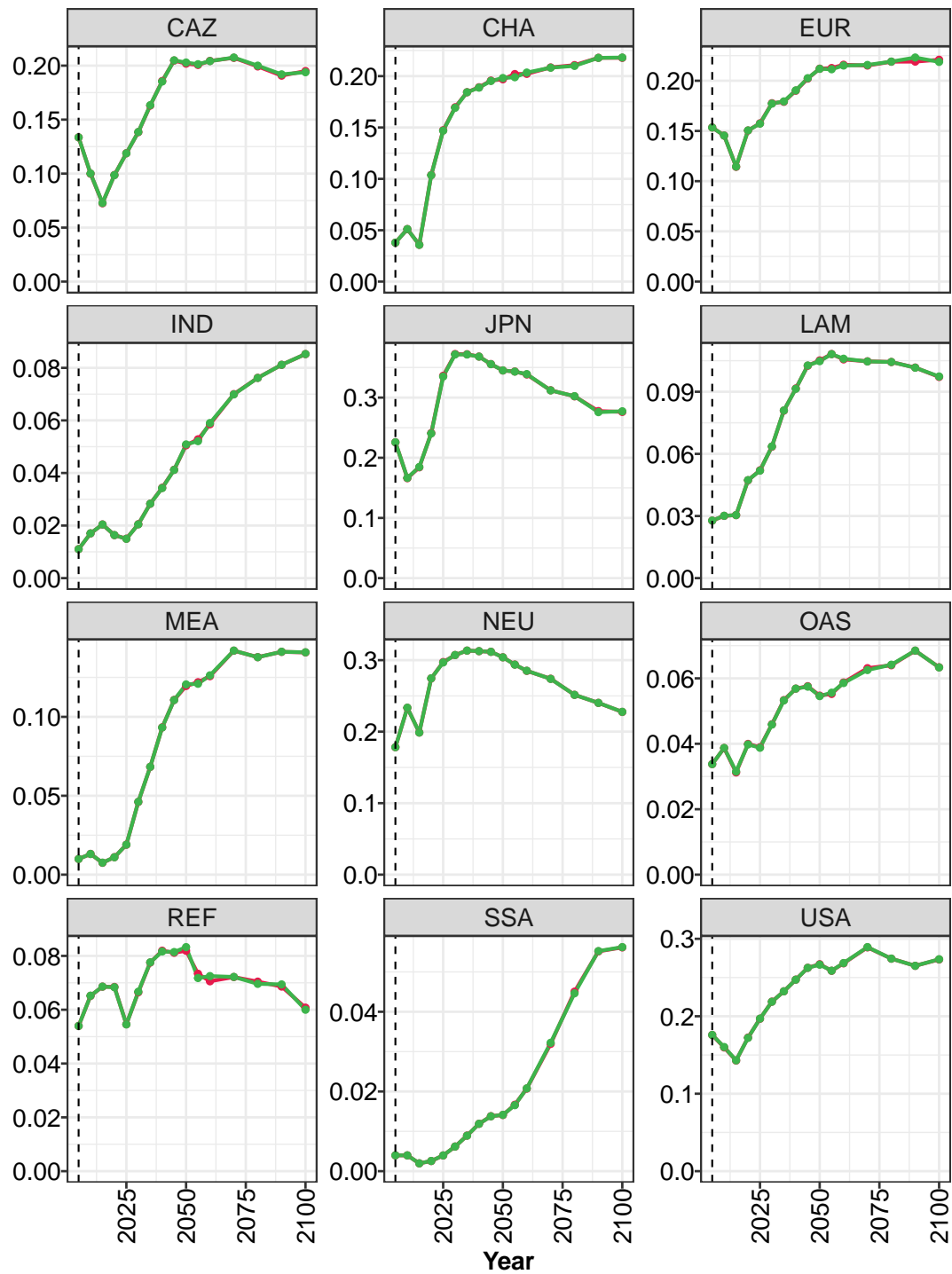
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

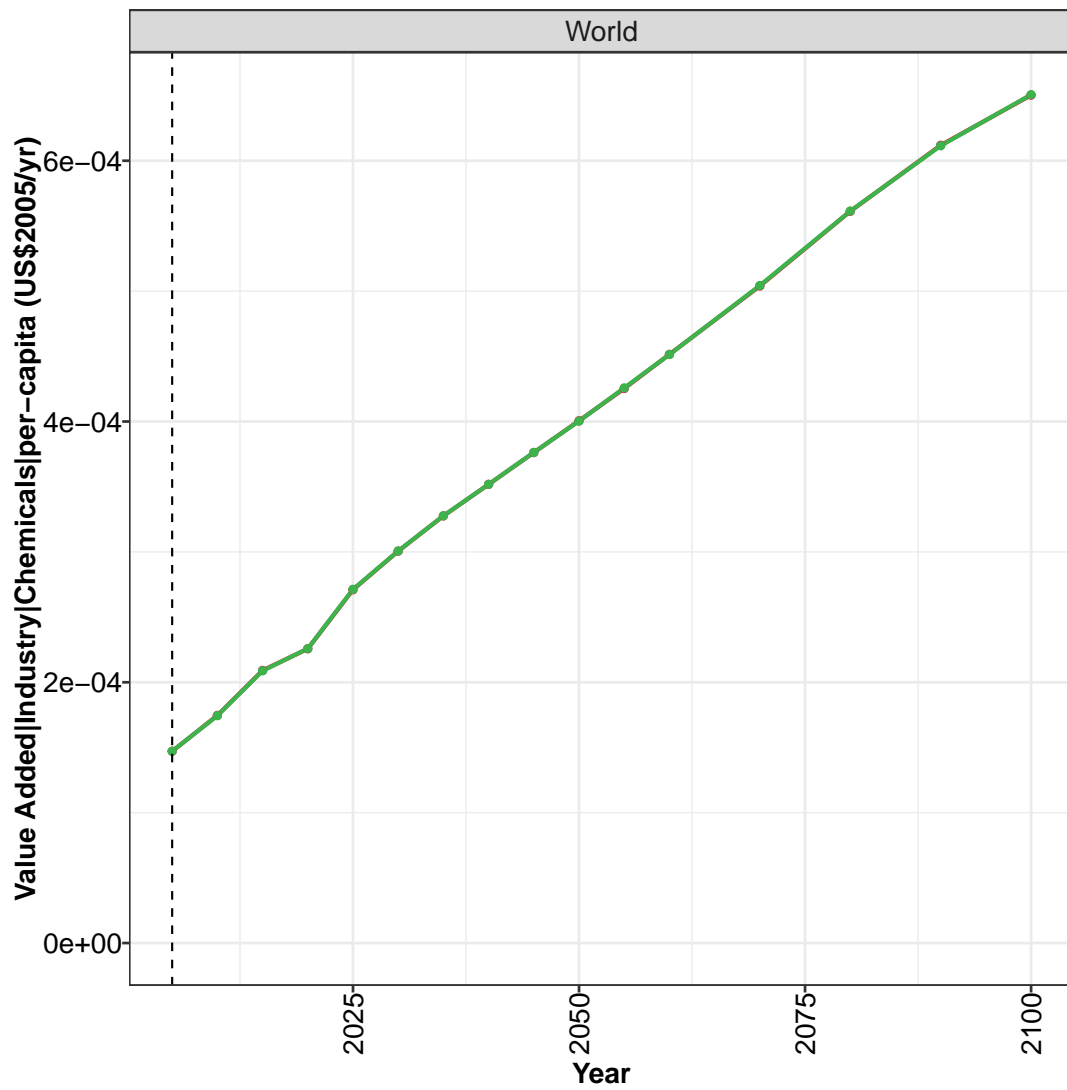




Model: REMIND

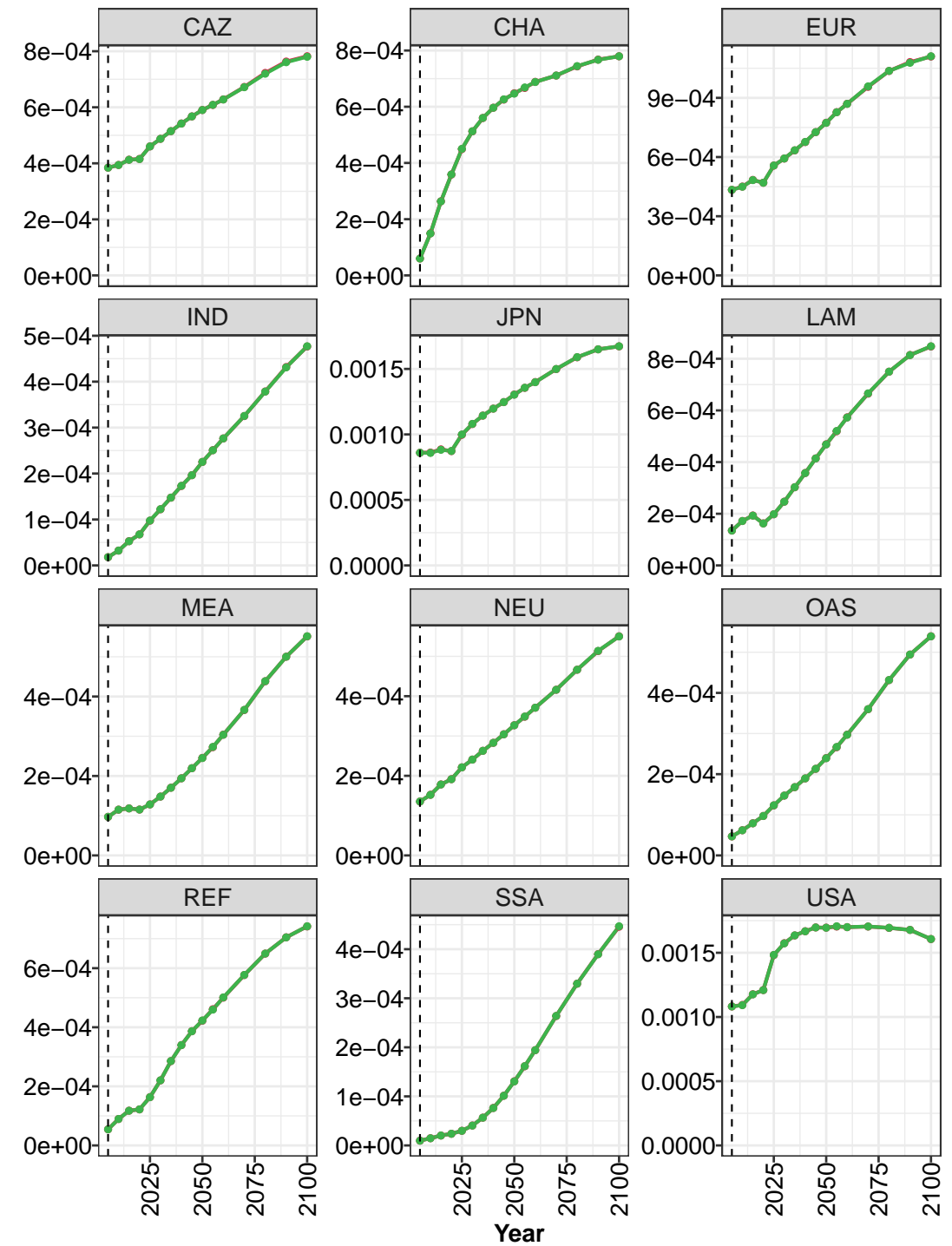
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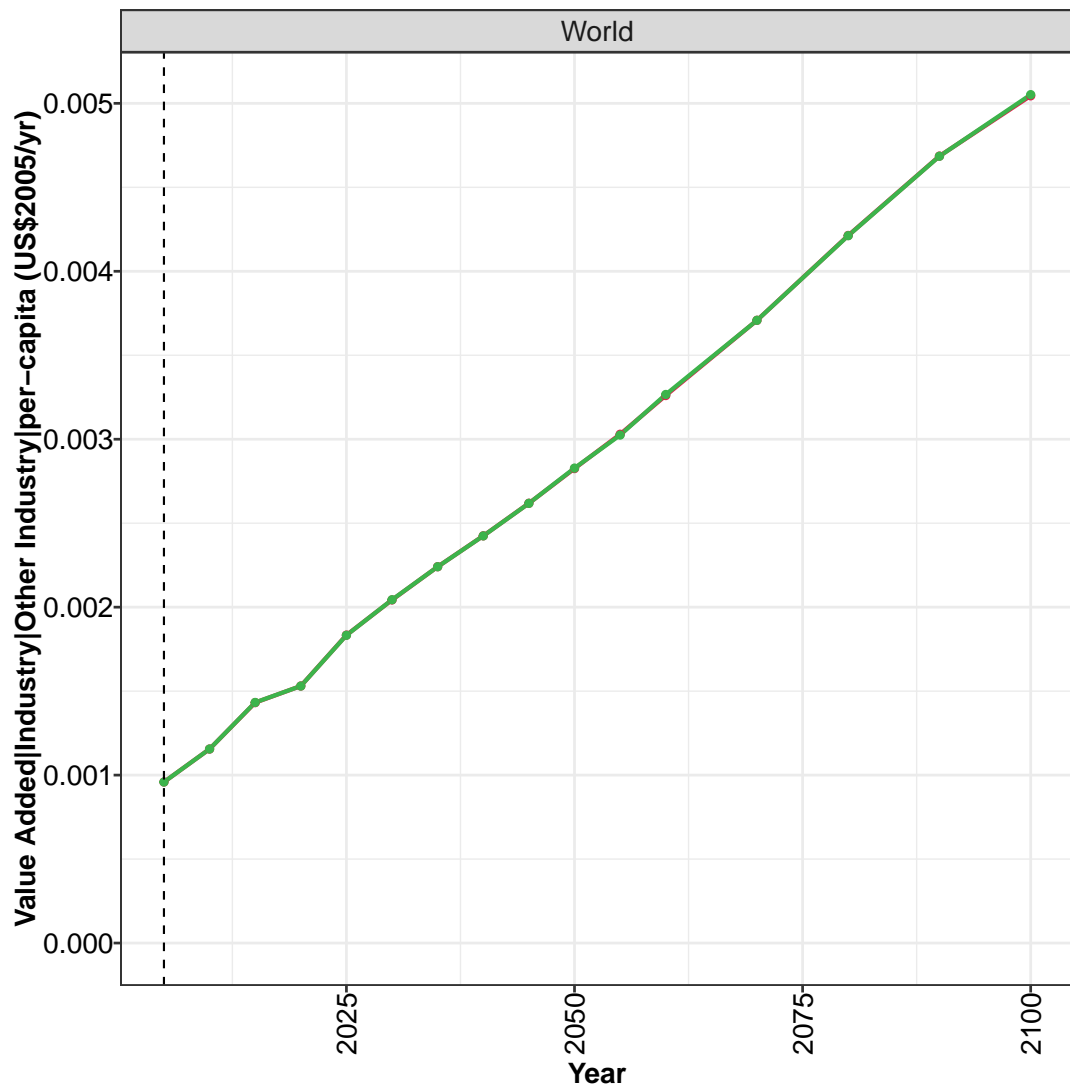




Model: REMIND

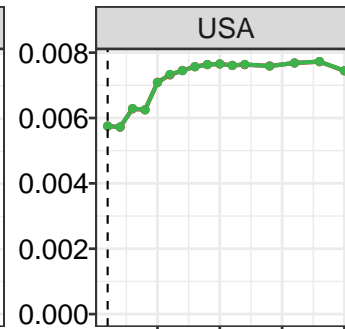
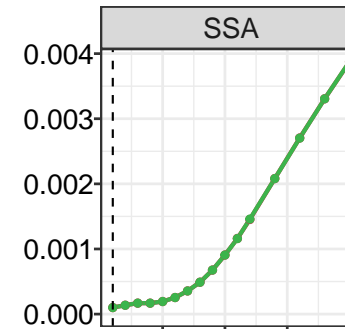
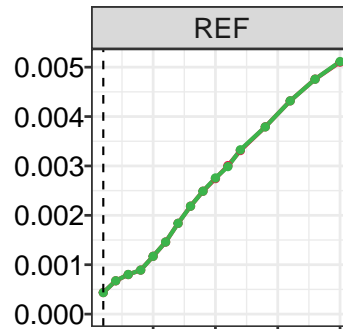
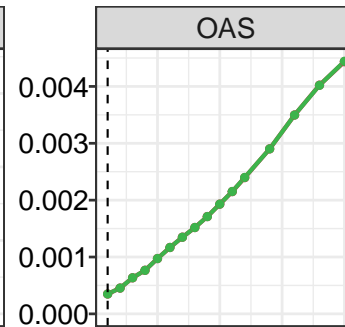
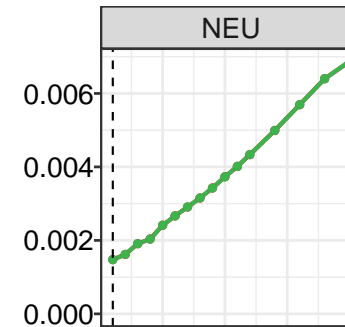
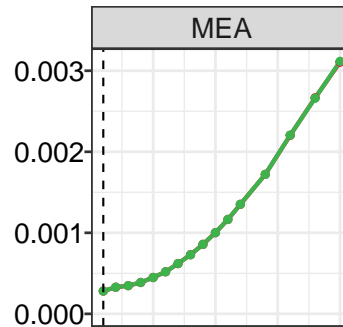
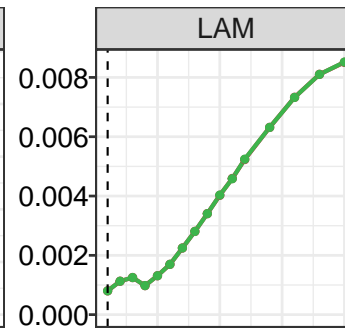
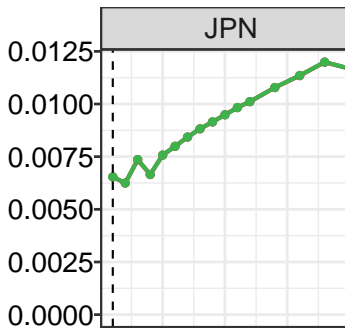
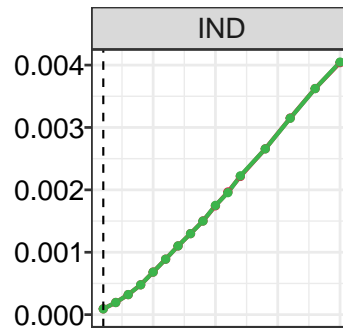
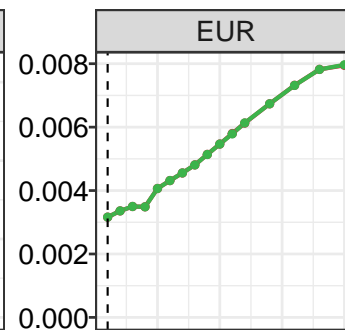
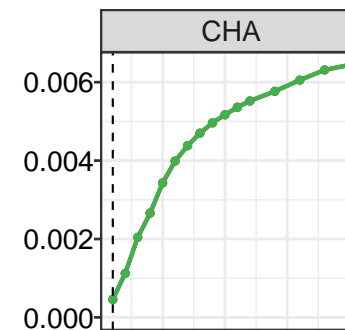
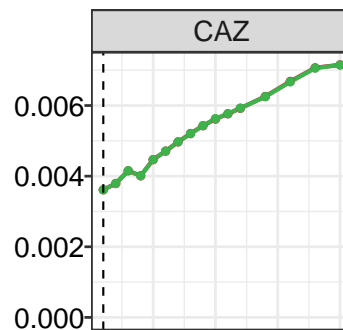
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- SSP2EU-NPi-calibrate-ETPfix





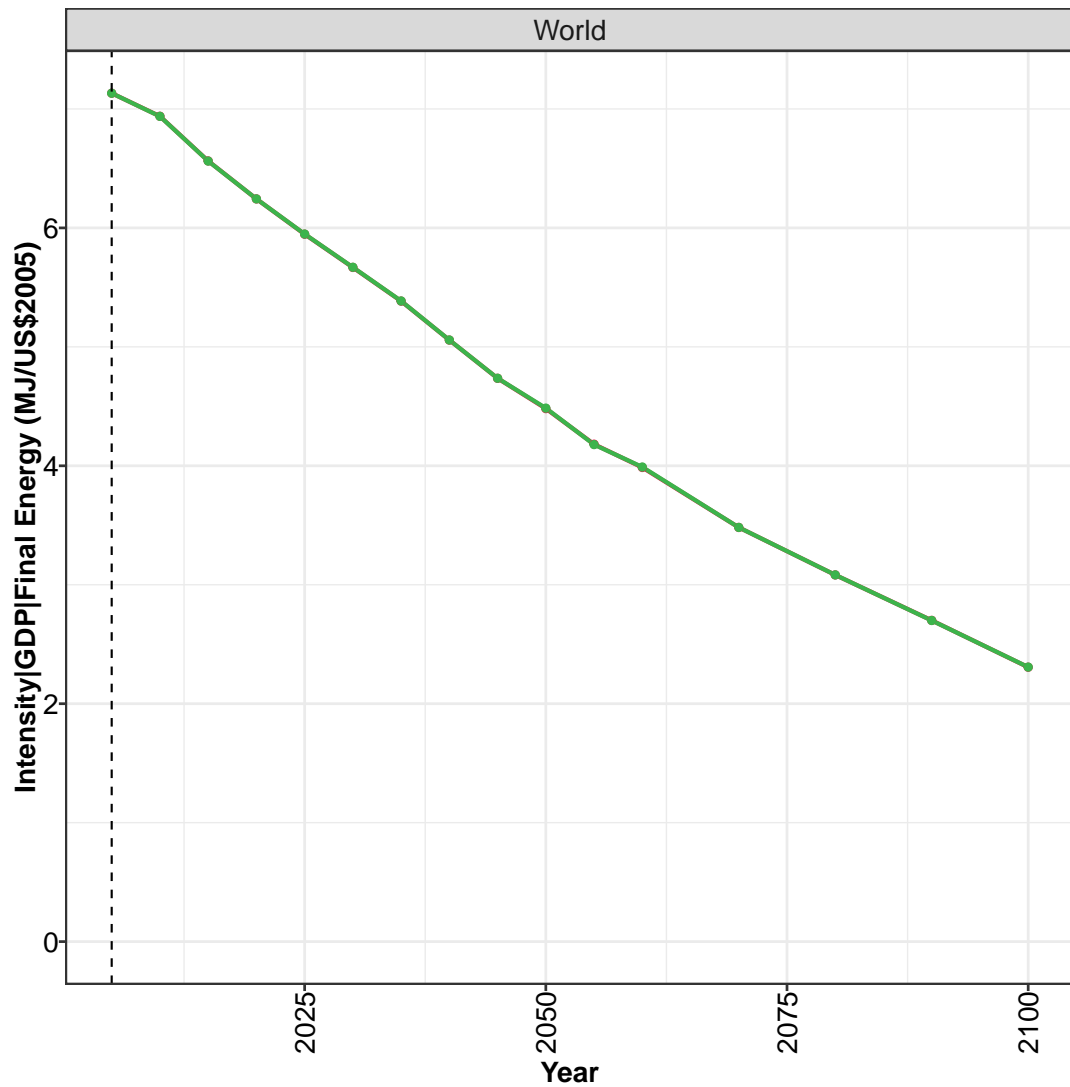
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



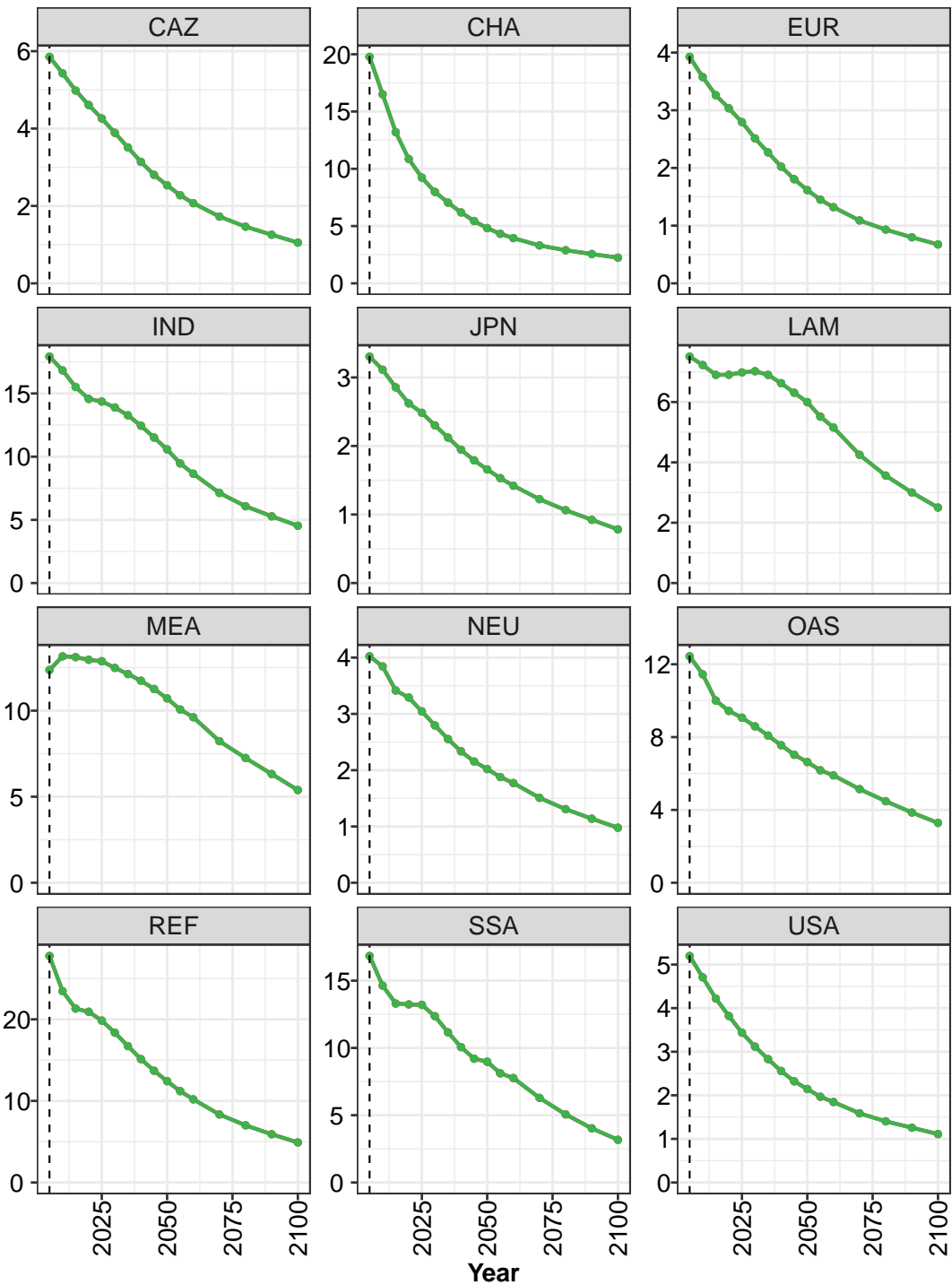
8.9 SDG 10

8.10 SDG 11



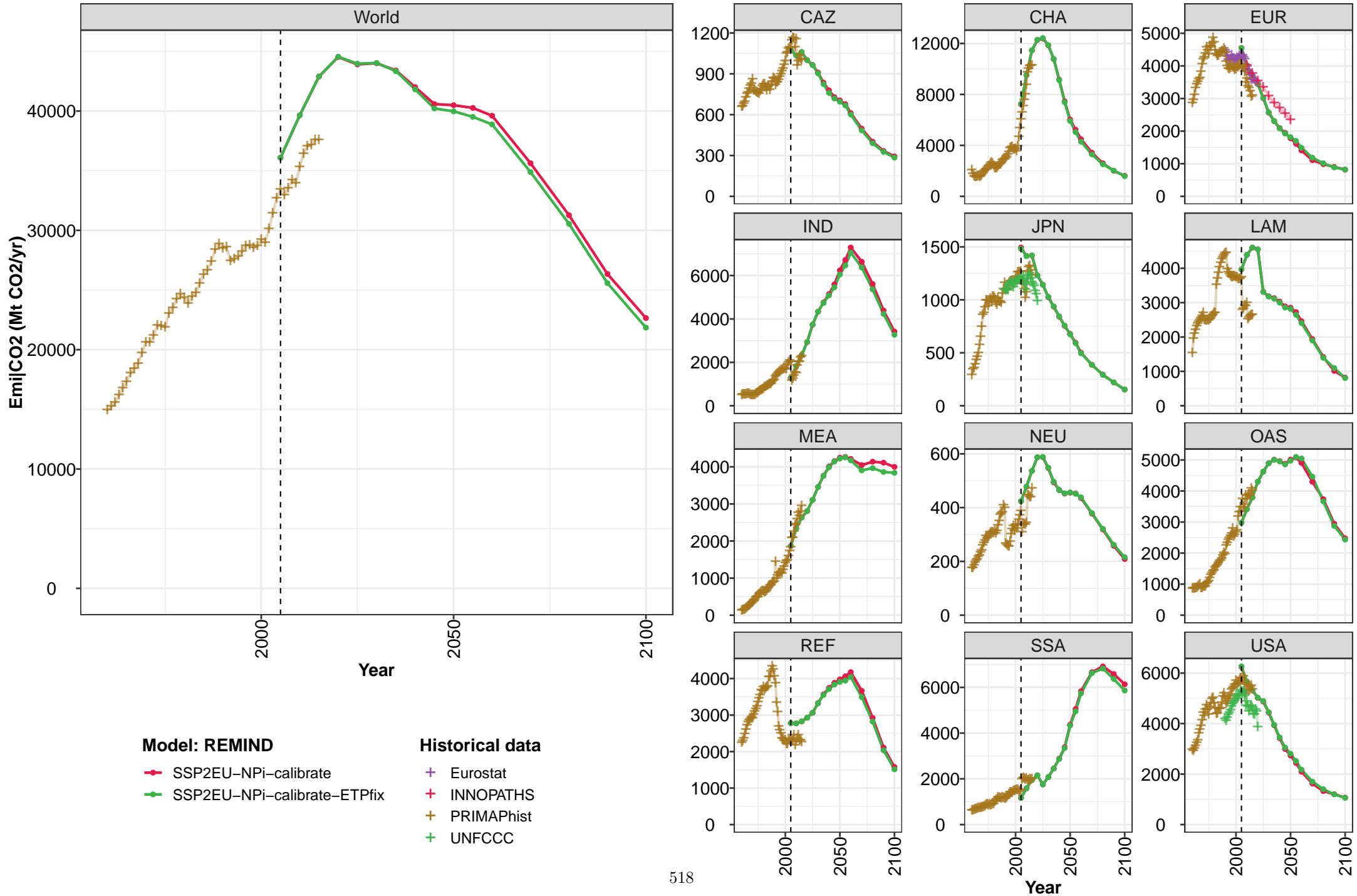
Model: REMIND

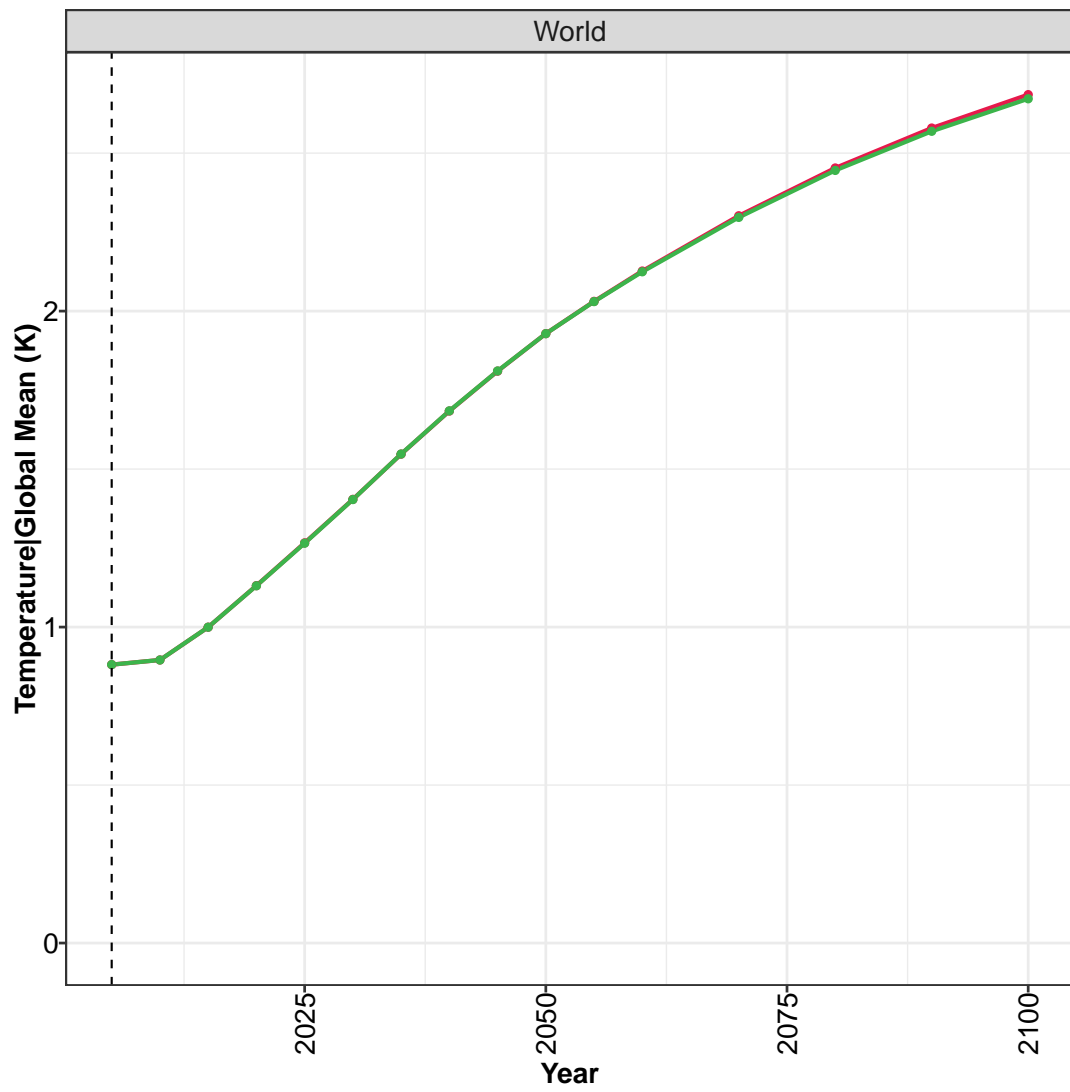
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



8.12 LCA

8.13 SDG 13





Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

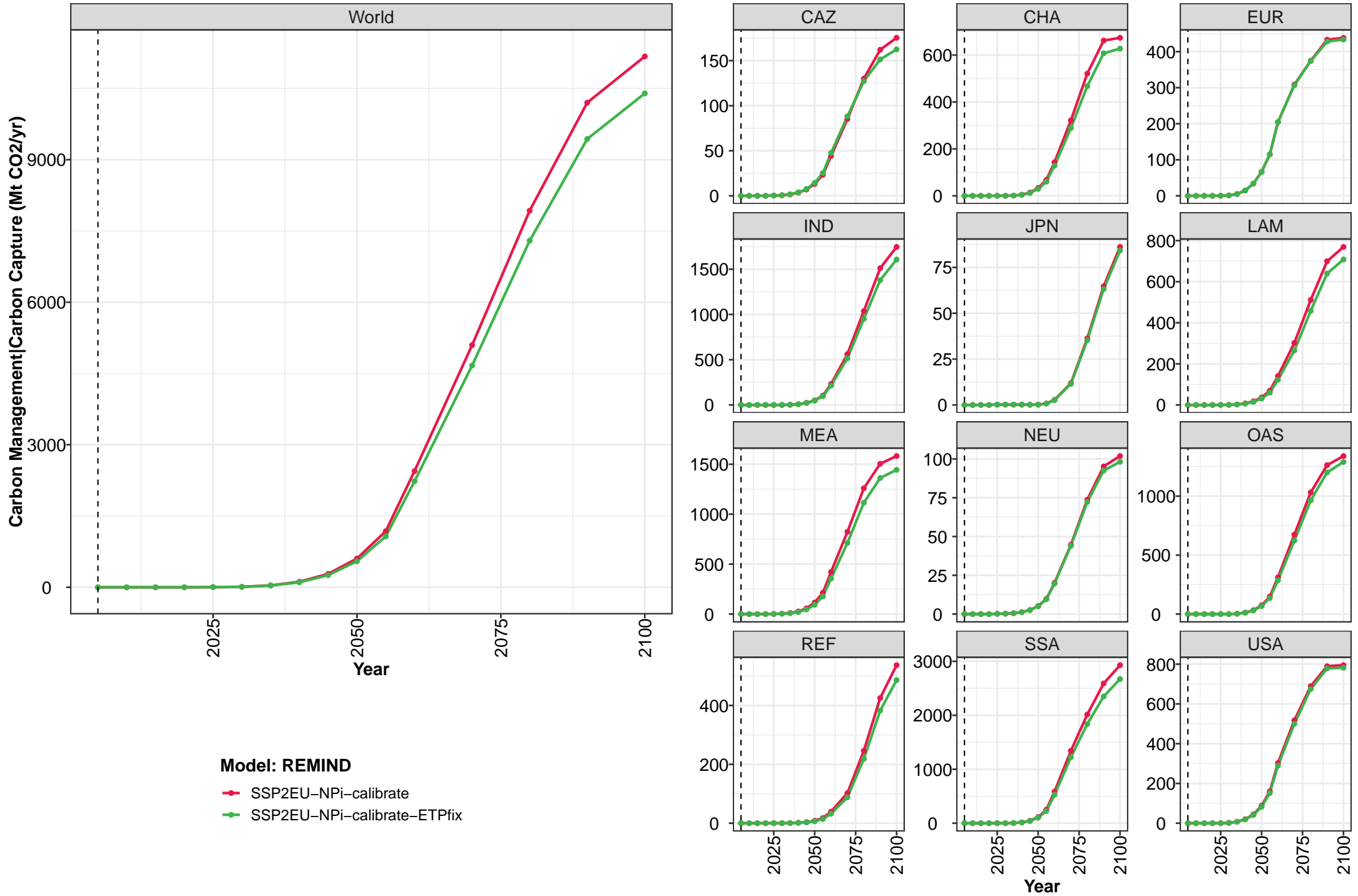
8.14 SDG 14

8.15 SDG 16

8.16 SDG 17

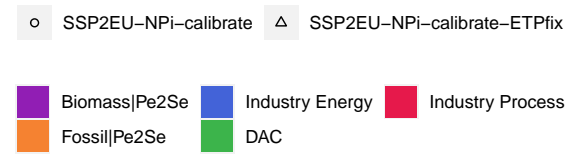
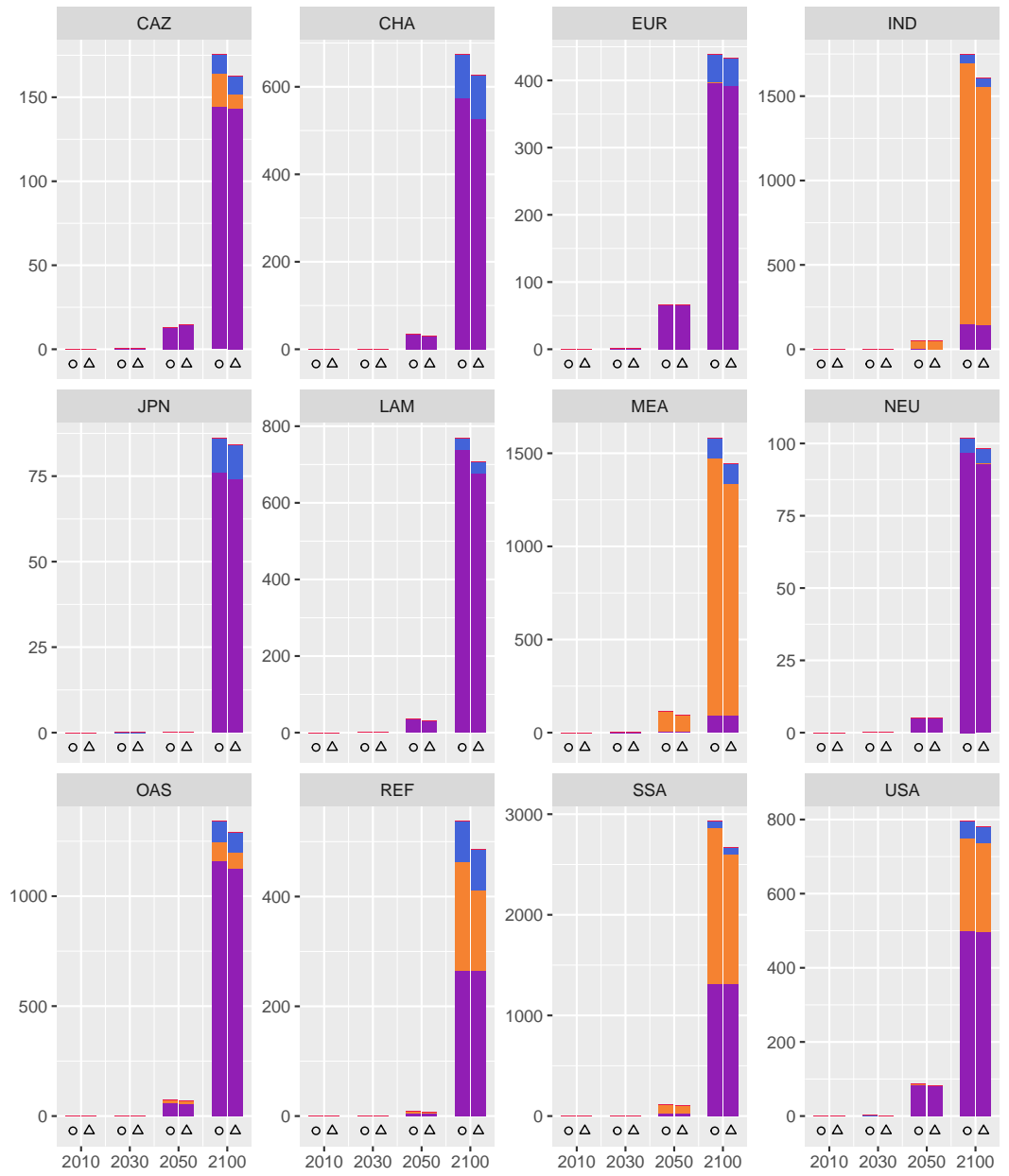
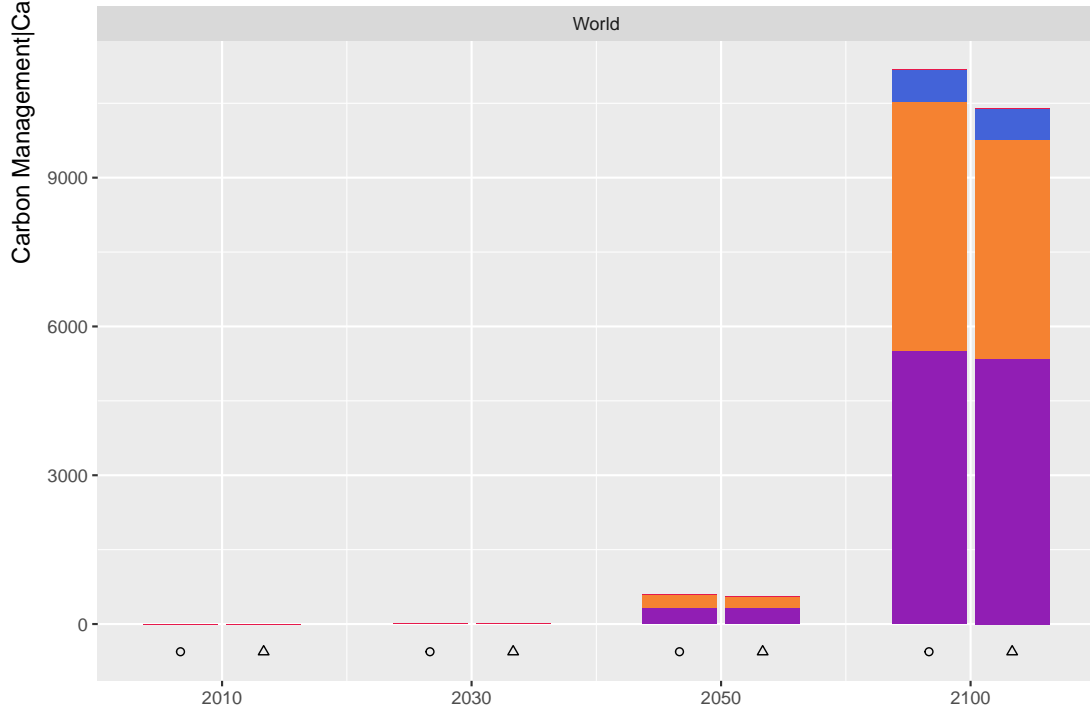
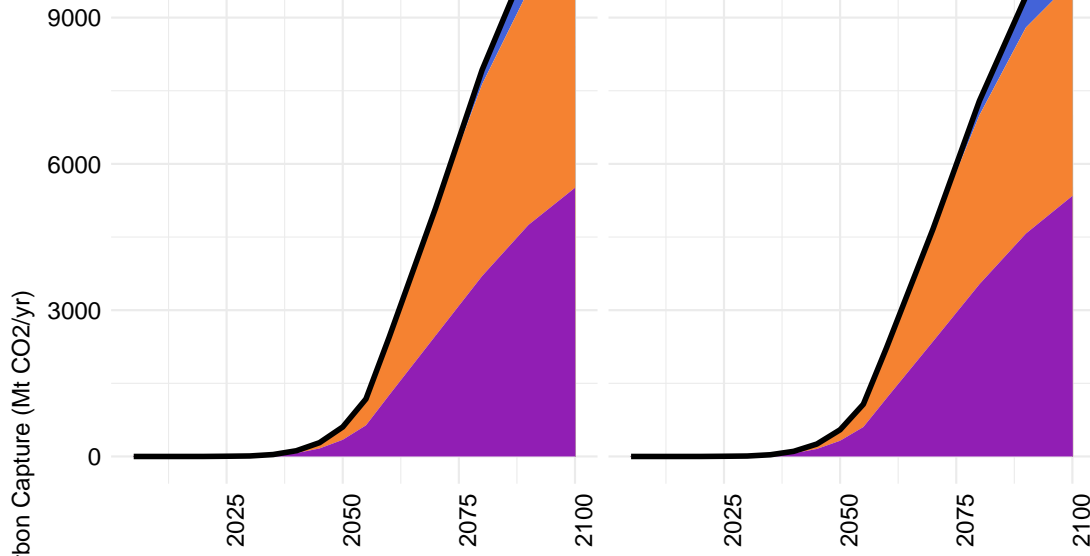
9 Carbon Management

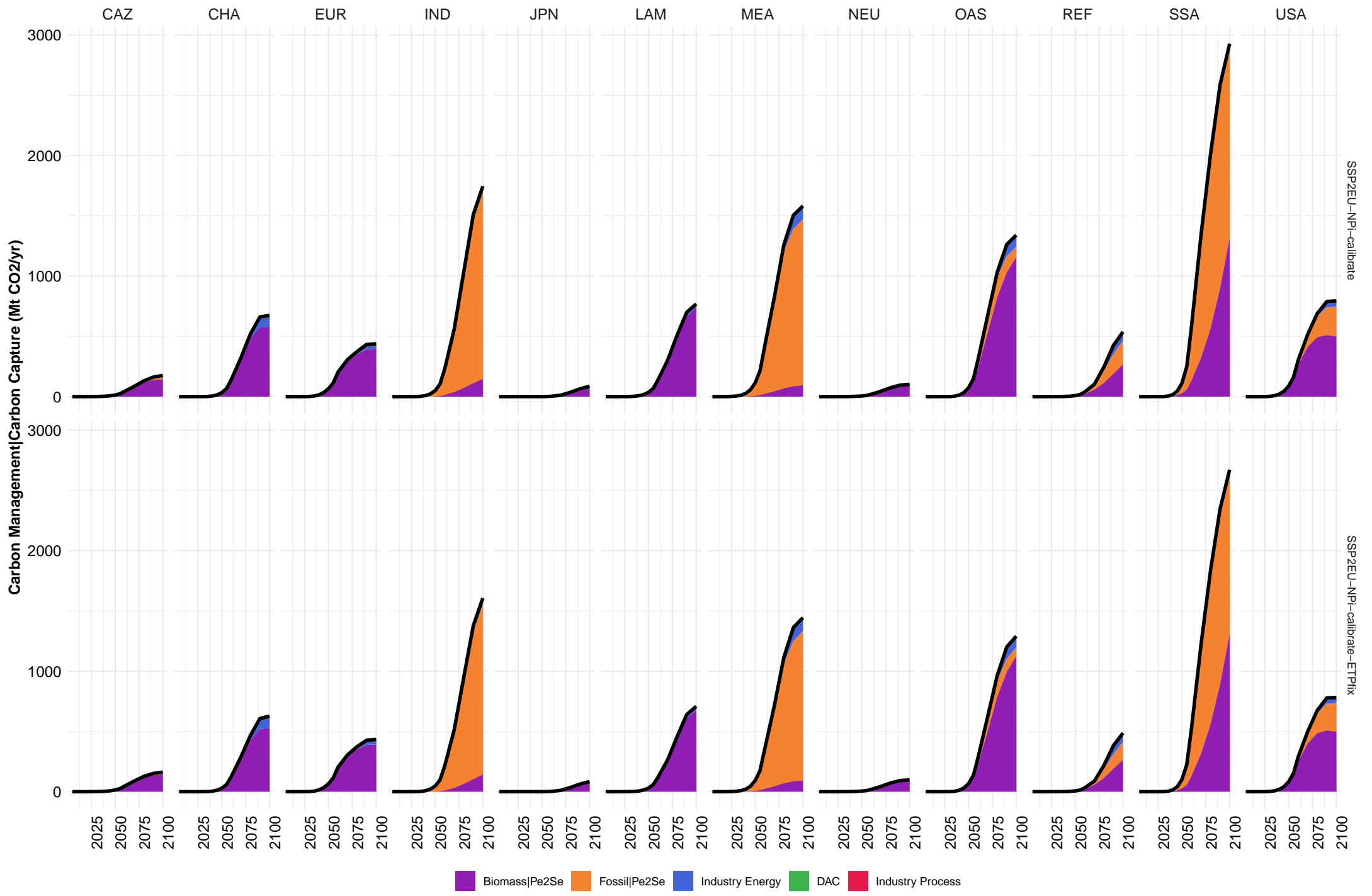
9.1 Carbon Capture

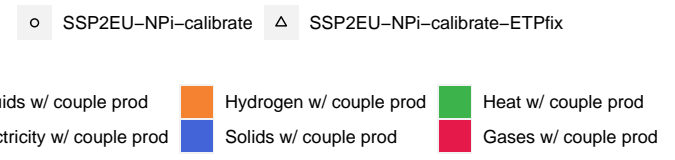
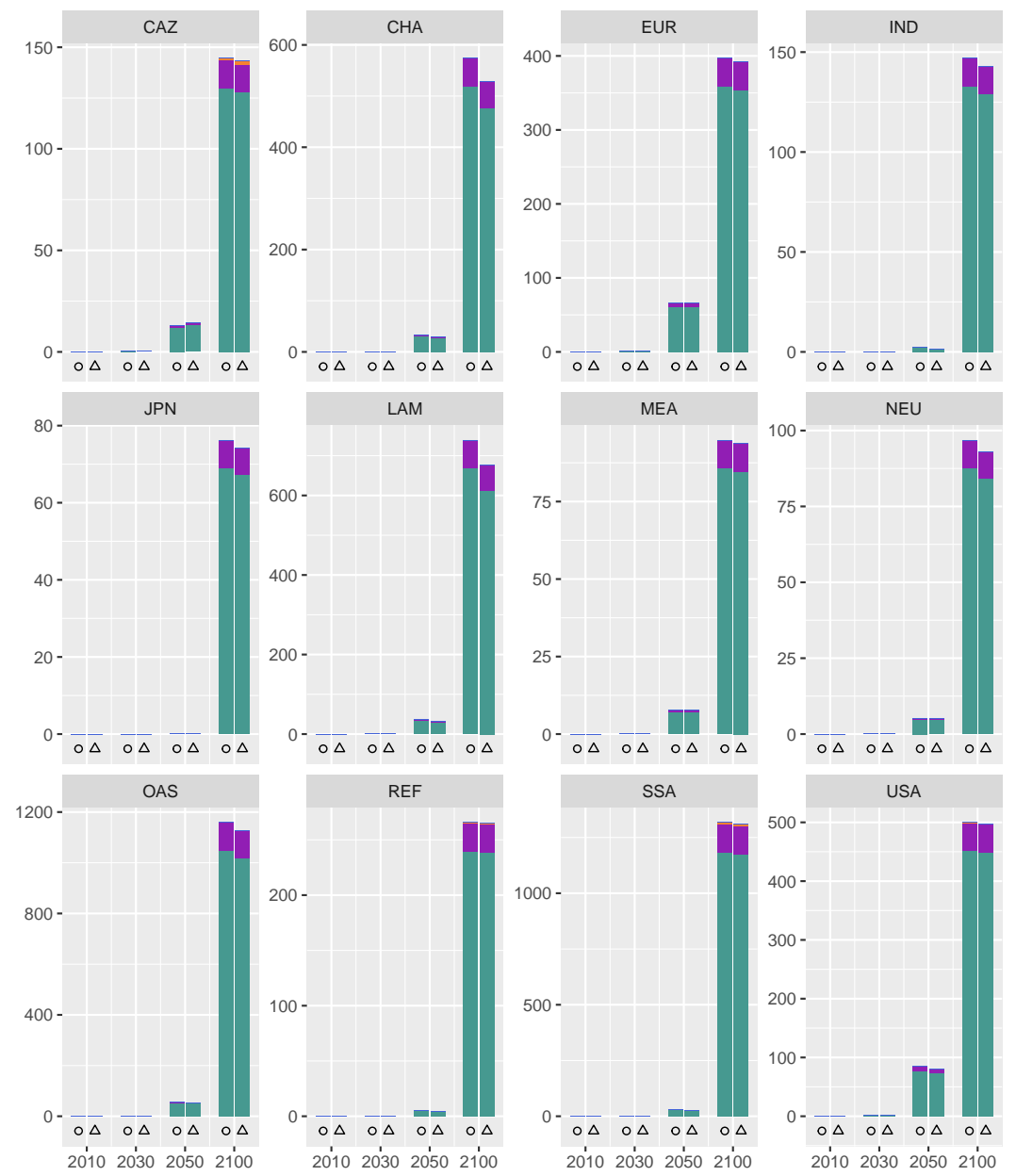
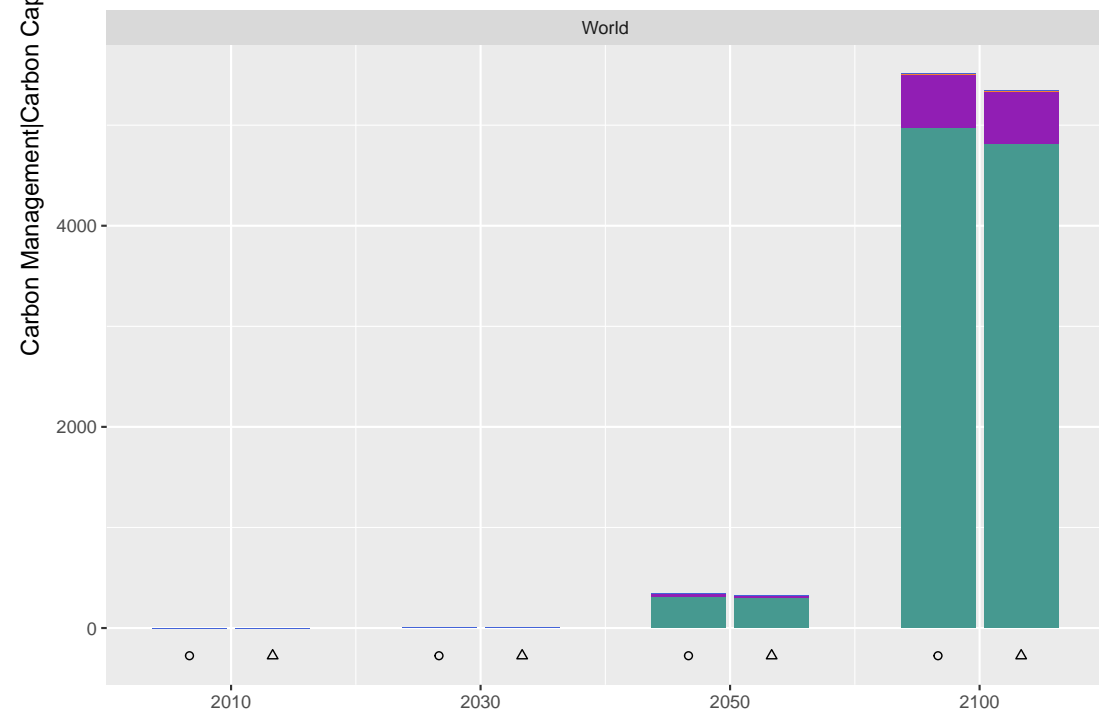
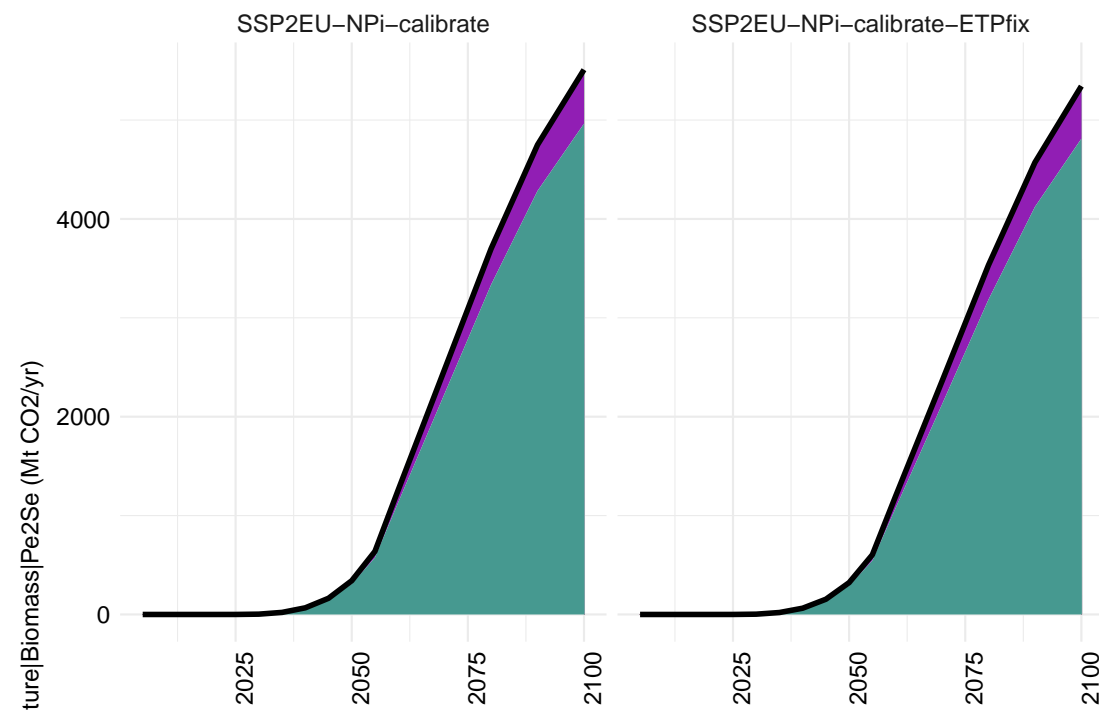


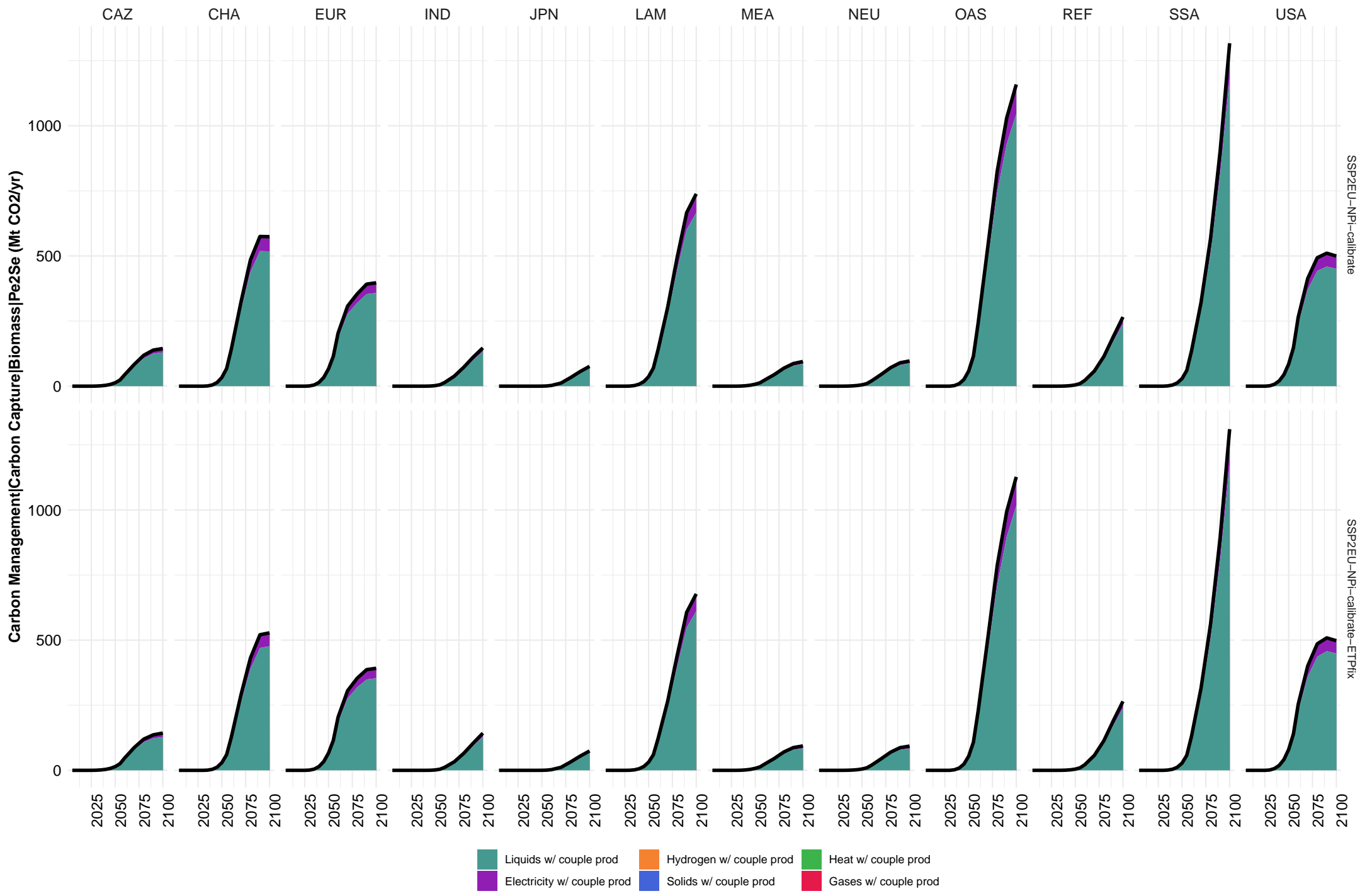
SSP2EU-NPi-calibrate

SSP2EU-NPi-calibrate-ETPfix



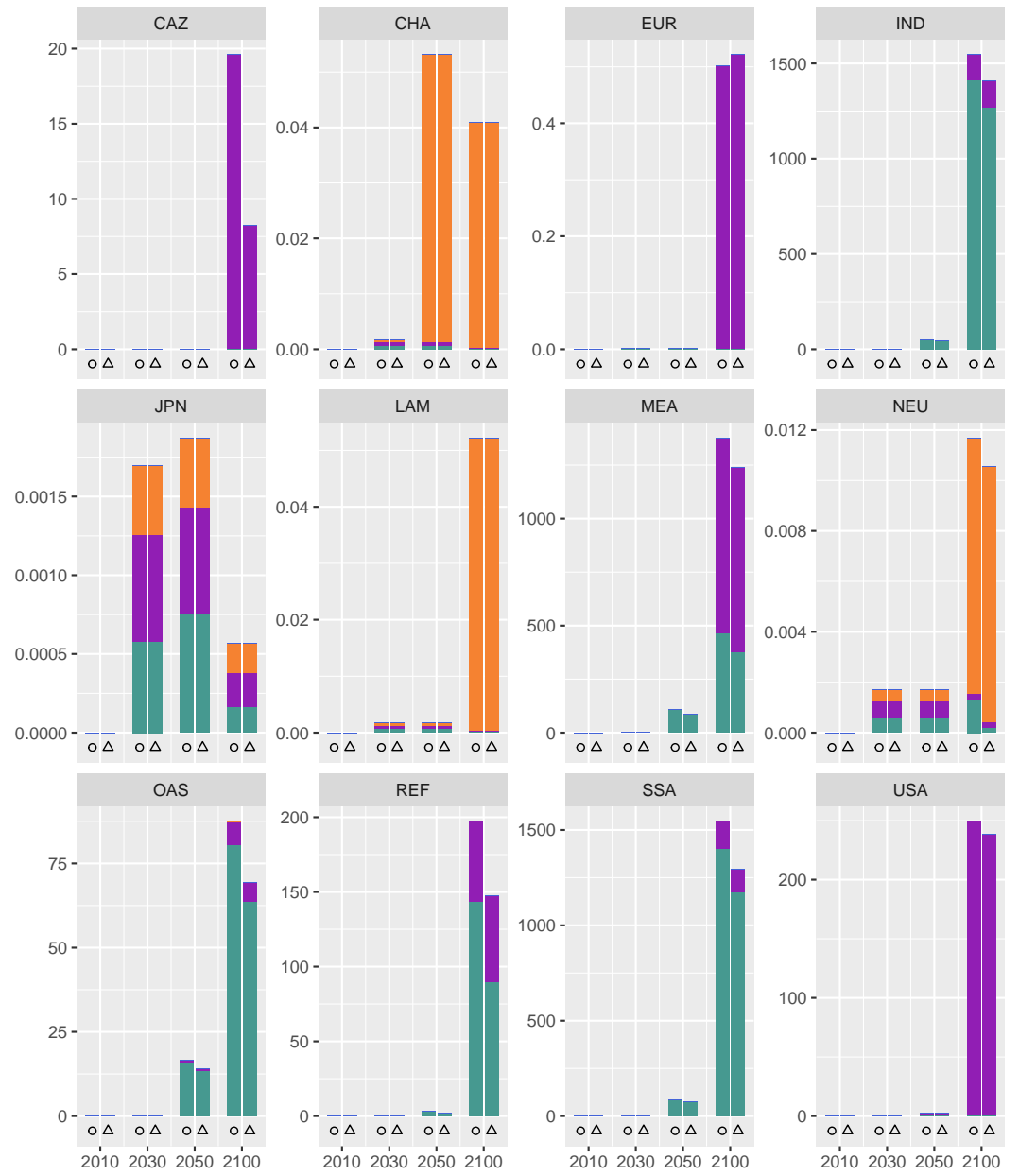
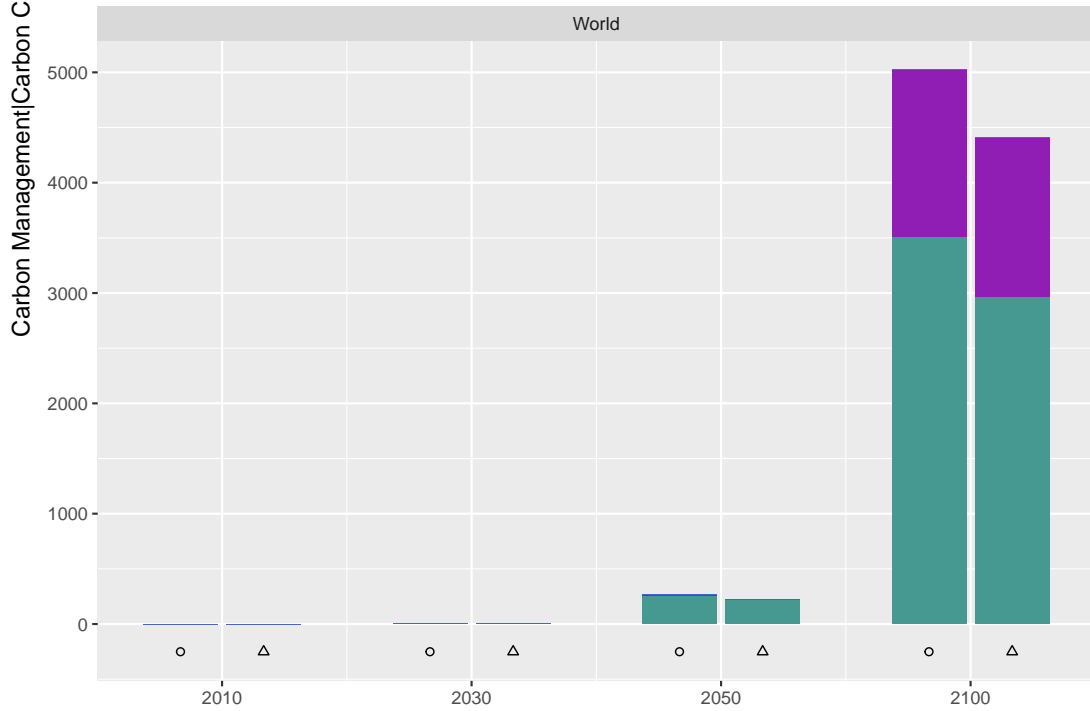
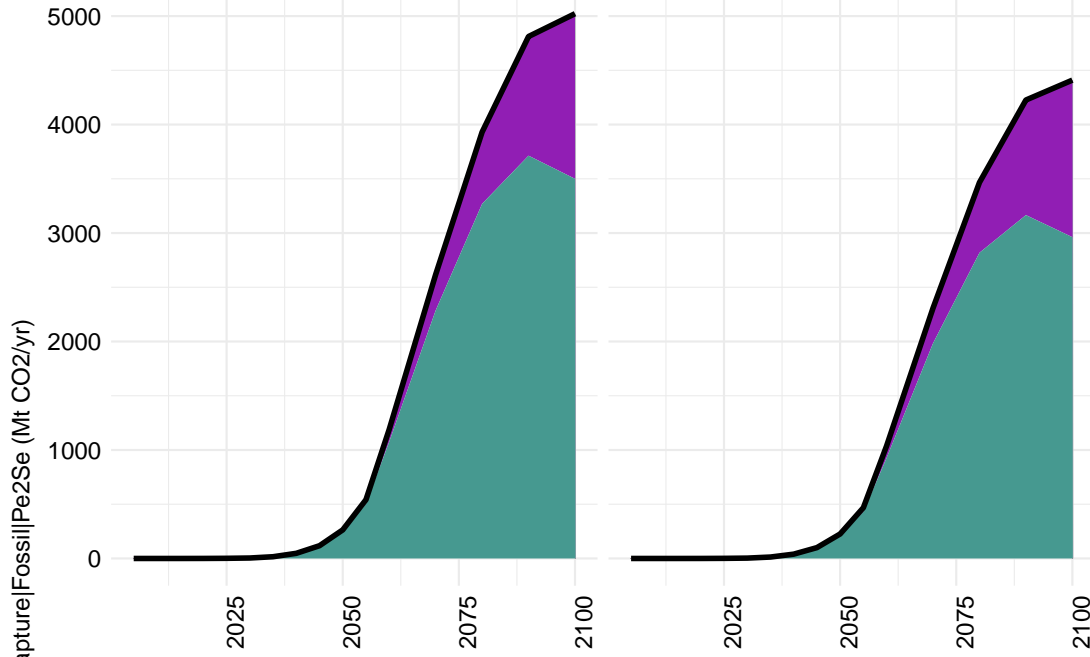






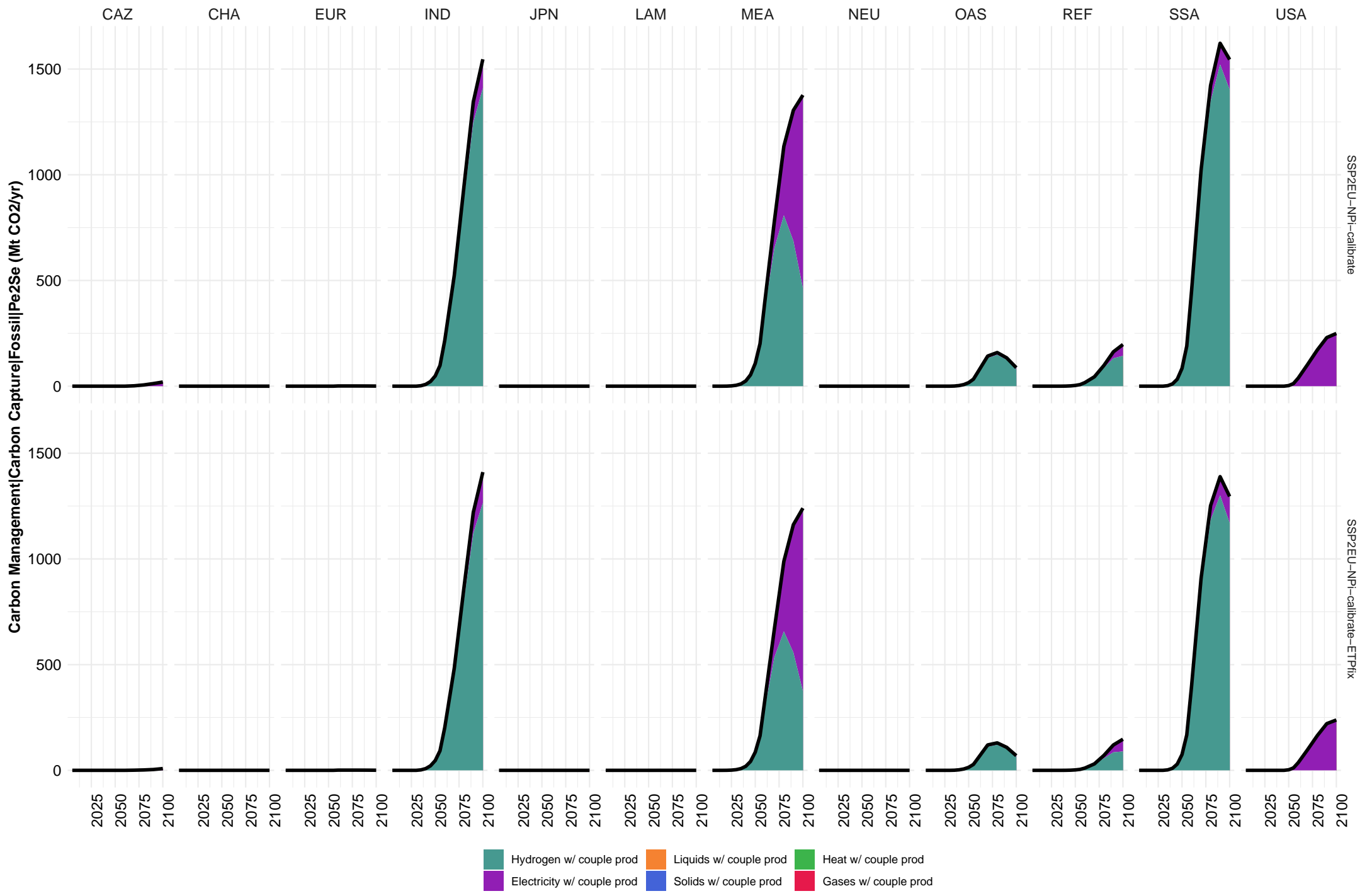
SSP2EU-NPi-calibrate

SSP2EU-NPi-calibrate-ETPfix



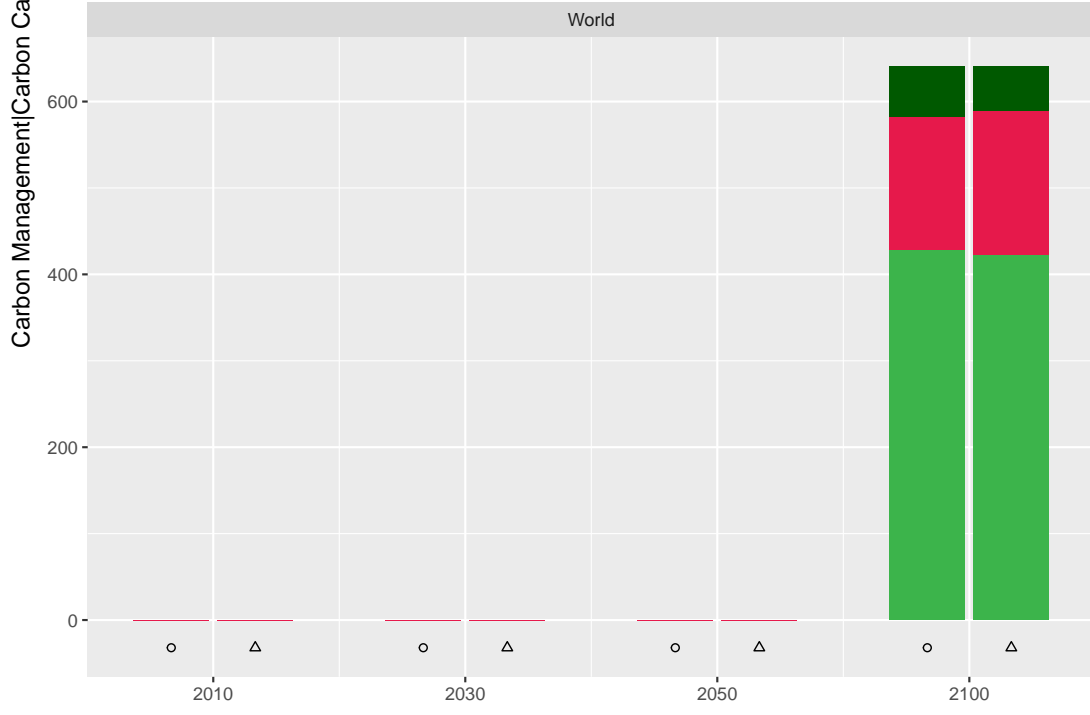
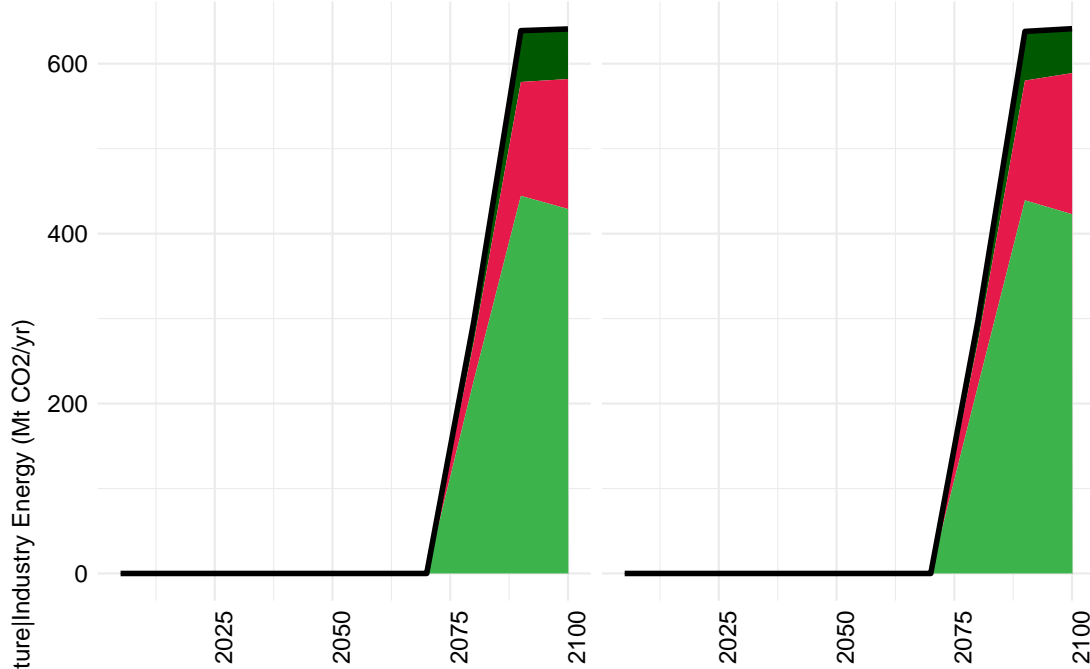
○ SSP2EU-NPi-calibrate △ SSP2EU-NPi-calibrate-ETPfix

■ Hydrogen w/ couple prod ■ Liquids w/ couple prod ■ Heat w/ couple prod
■ Electricity w/ couple prod ■ Solids w/ couple prod ■ Gases w/ couple prod



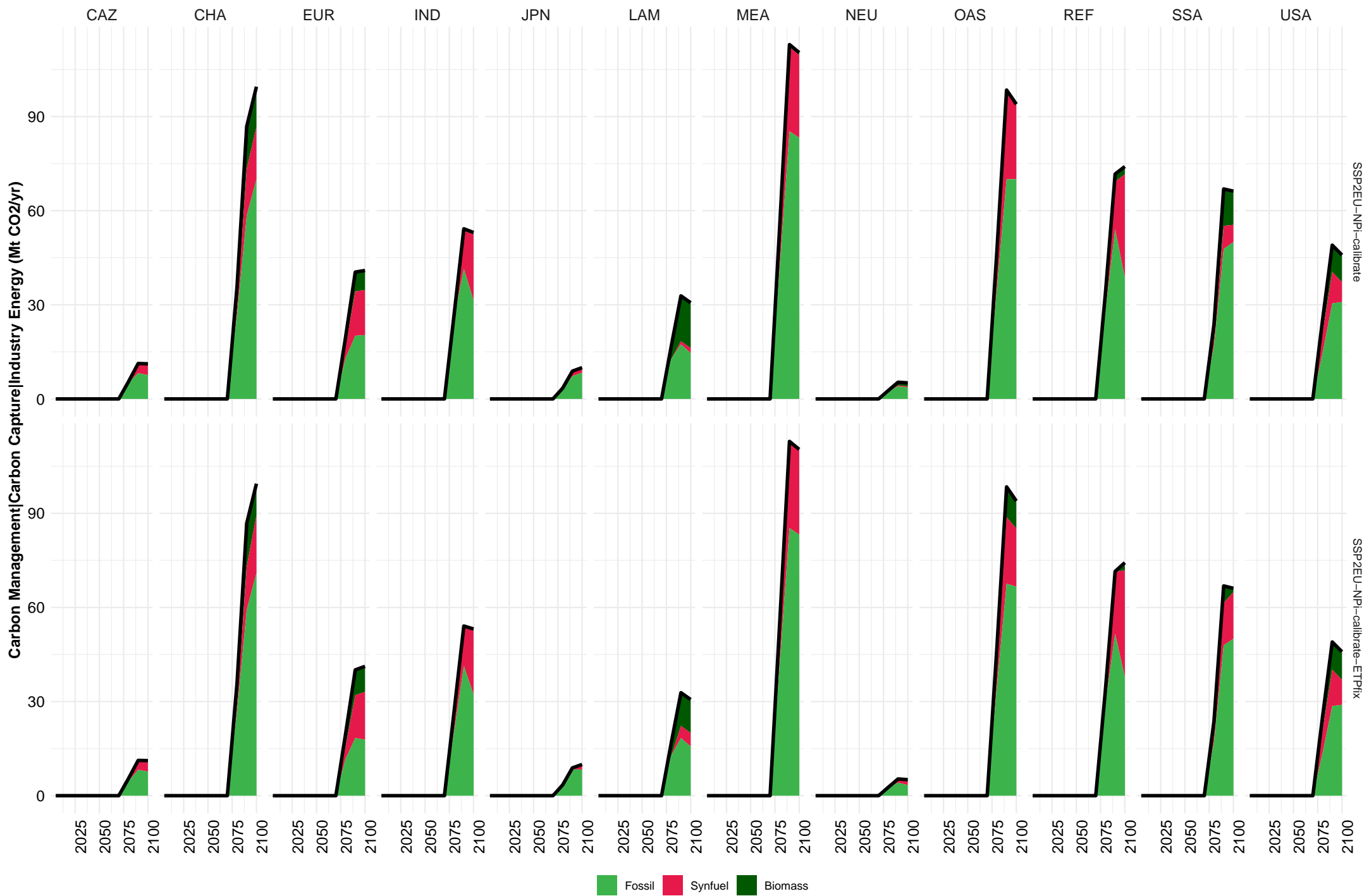
SSP2EU-NPi-calibrate

SSP2EU-NPi-calibrate-ETPfix

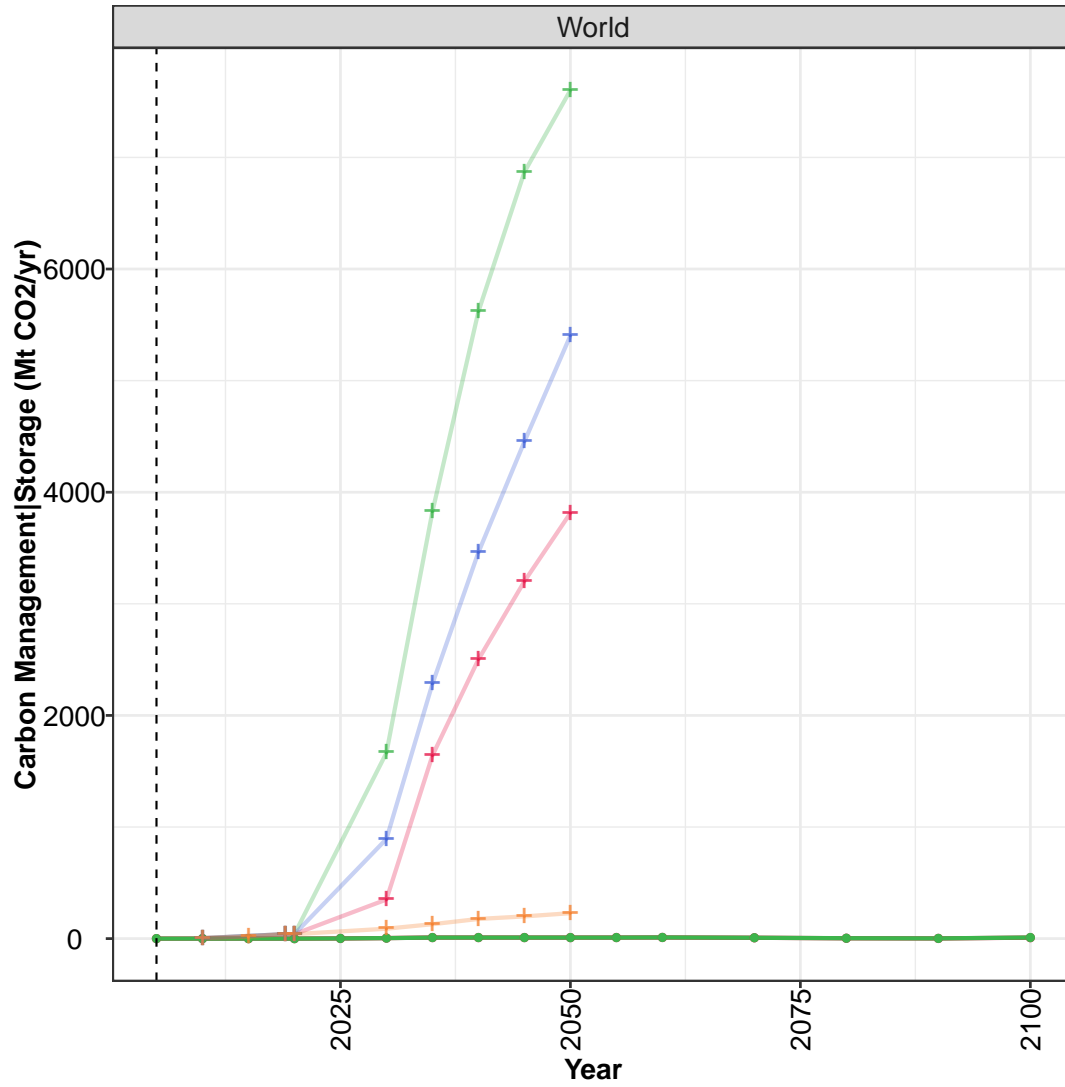


○ SSP2EU-NPi-calibrate △ SSP2EU-NPi-calibrate-ETPfix

■ Fossil ■ Synfuel ■ Biomass



9.2 Storage

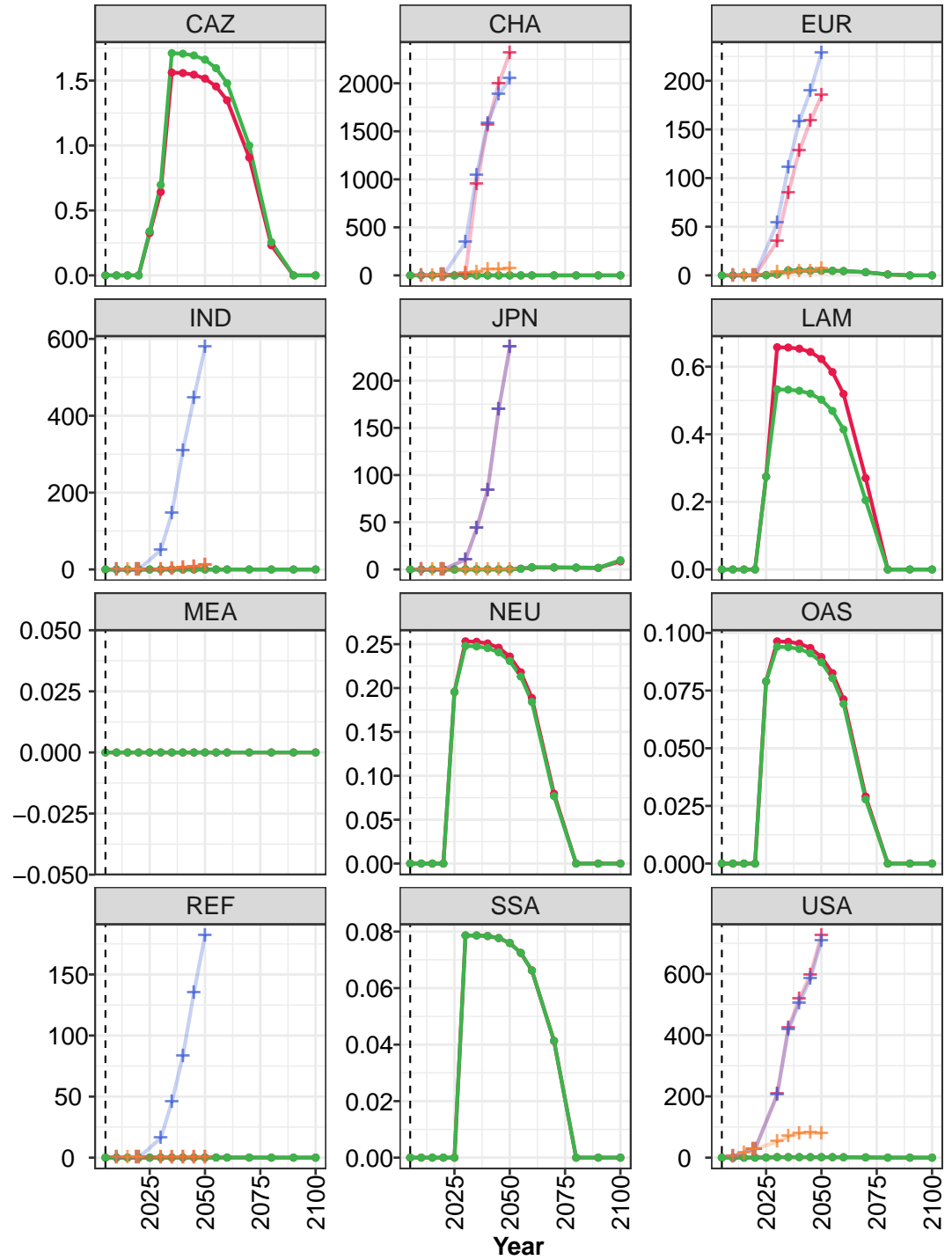


Model: REMIND

- + SSP2EU-NPi-calibrate
- + SSP2EU-NPi-calibrate-ETPfix

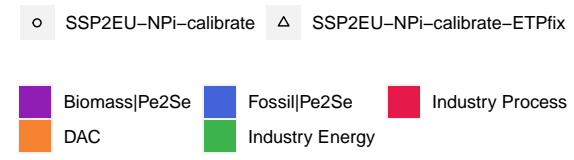
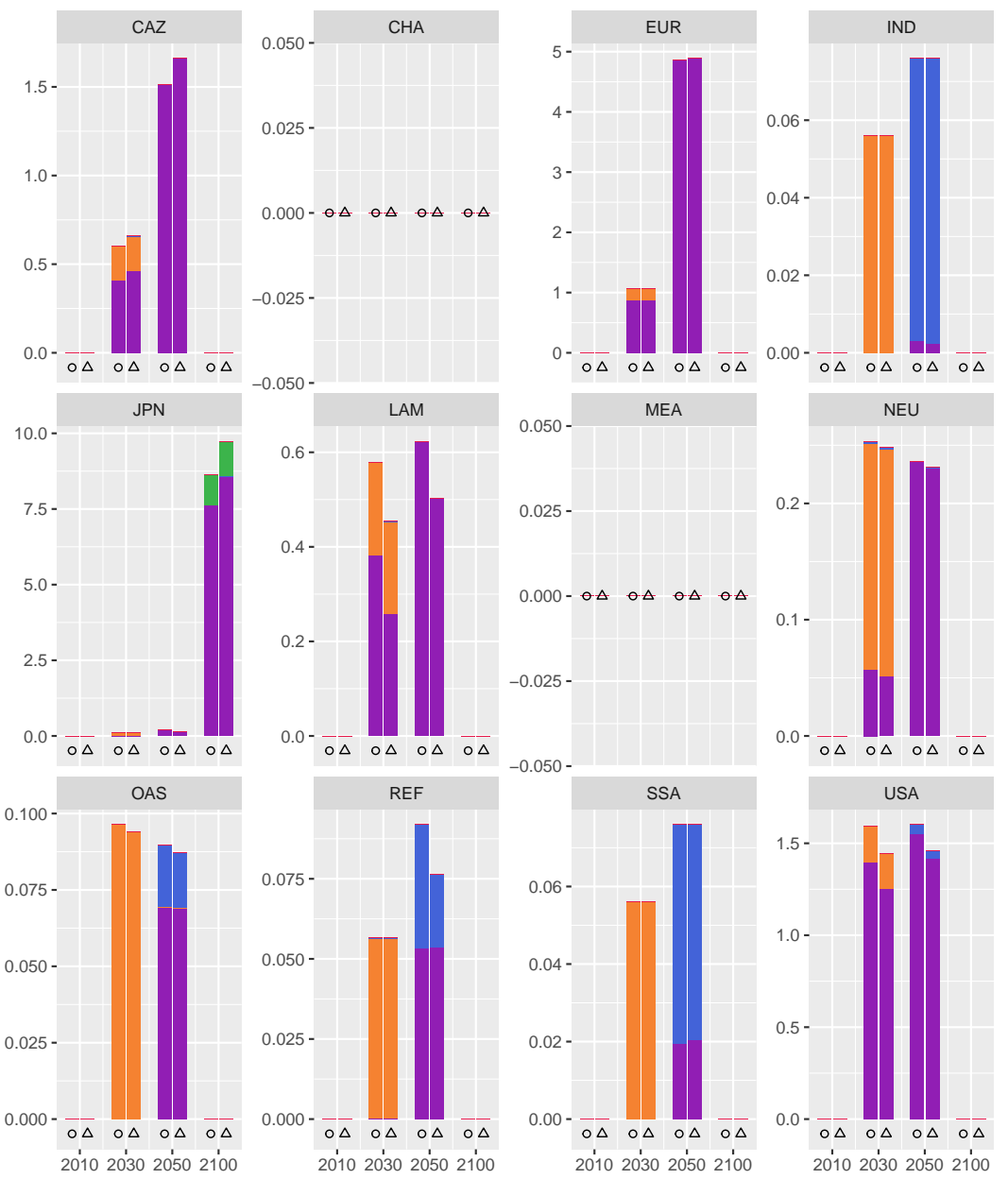
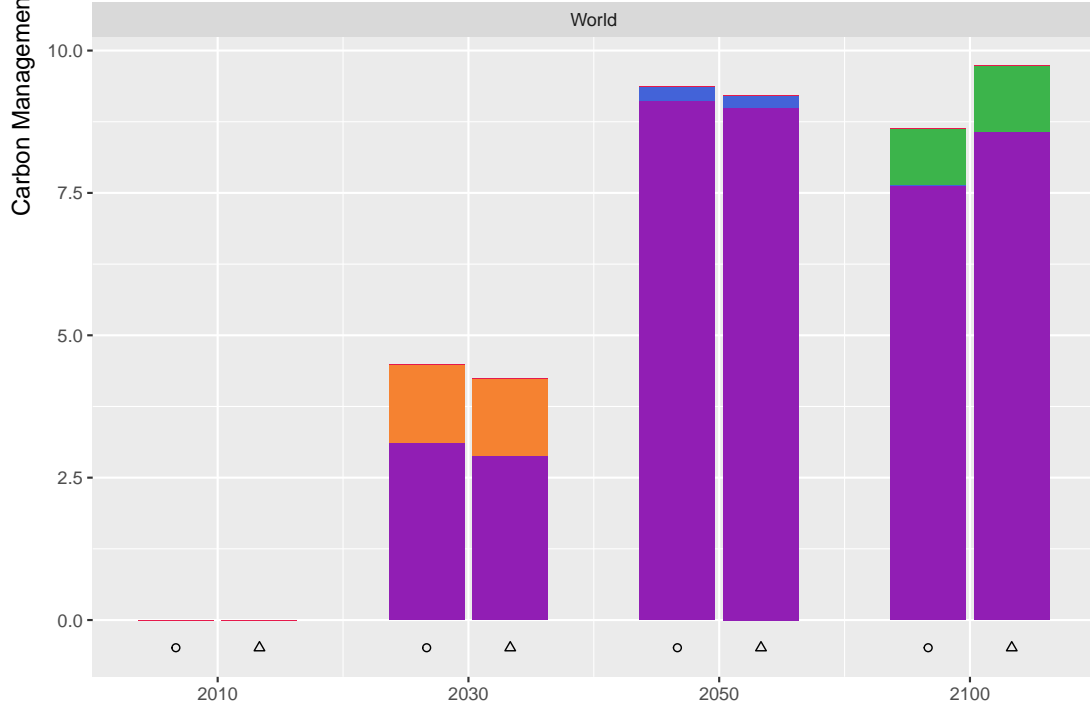
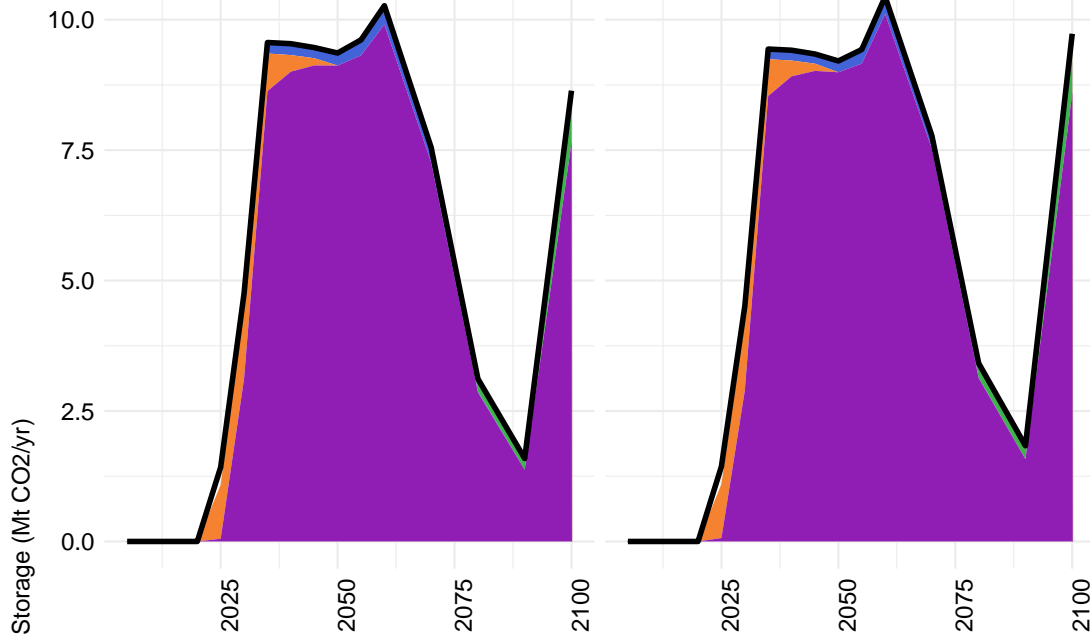
Historical data

- + IEA WEO 2021 APS
- + IEA WEO 2021 Net2050
- + IEA WEO 2021 SDS
- + IEA WEO 2021 SPS

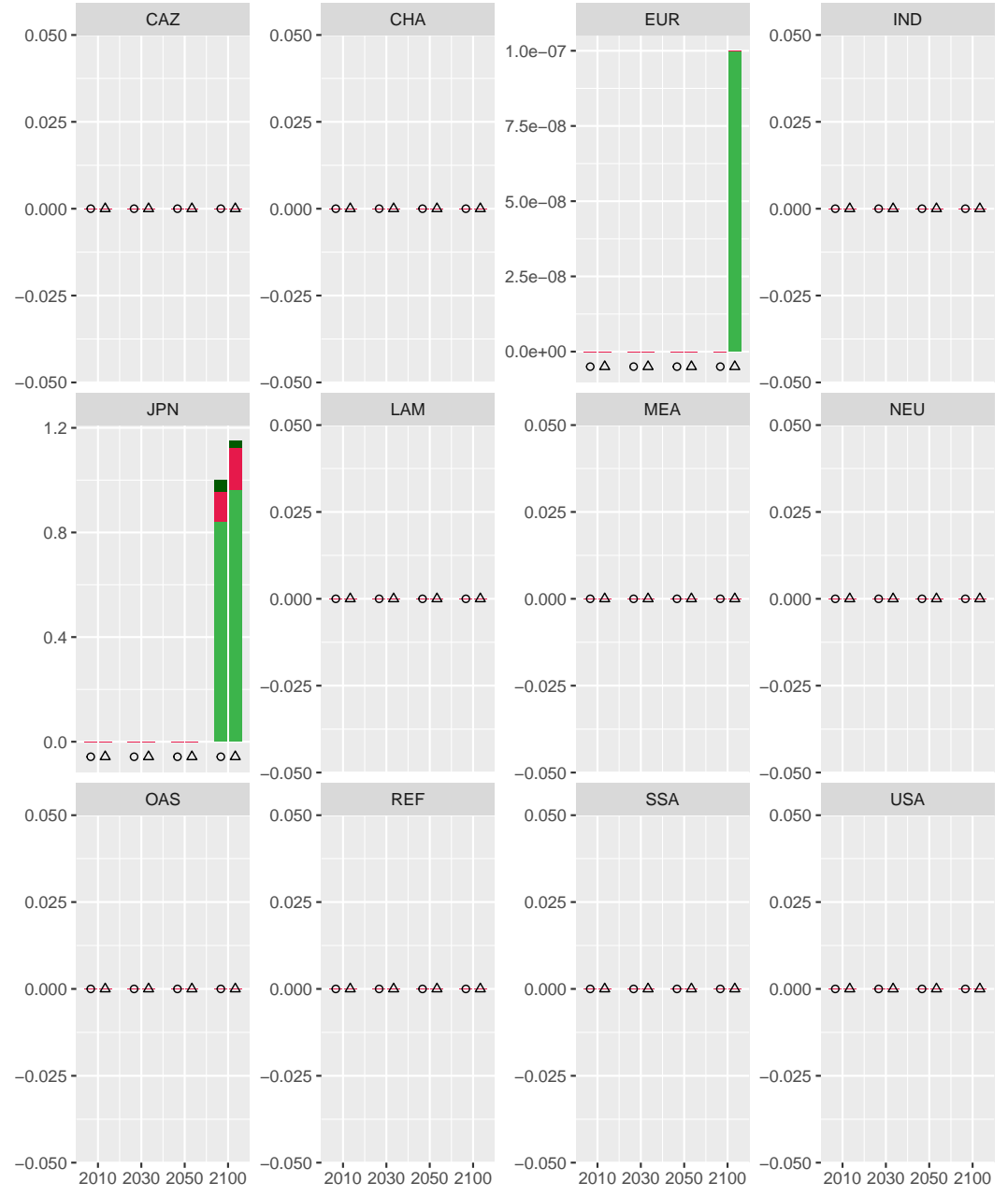
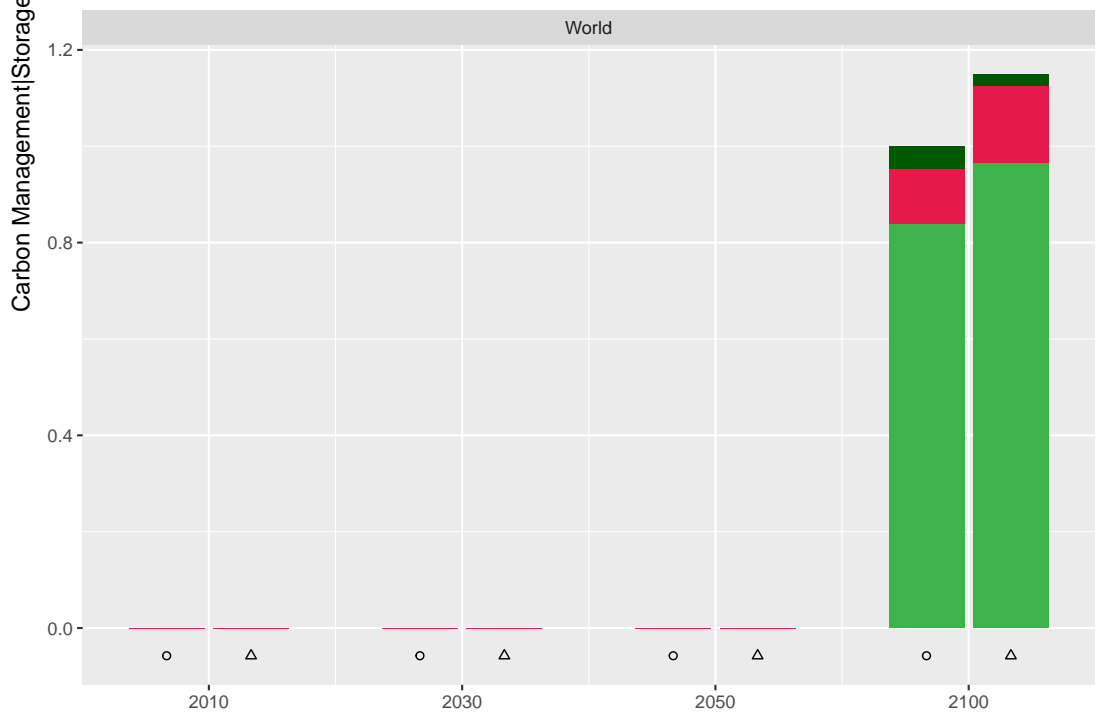
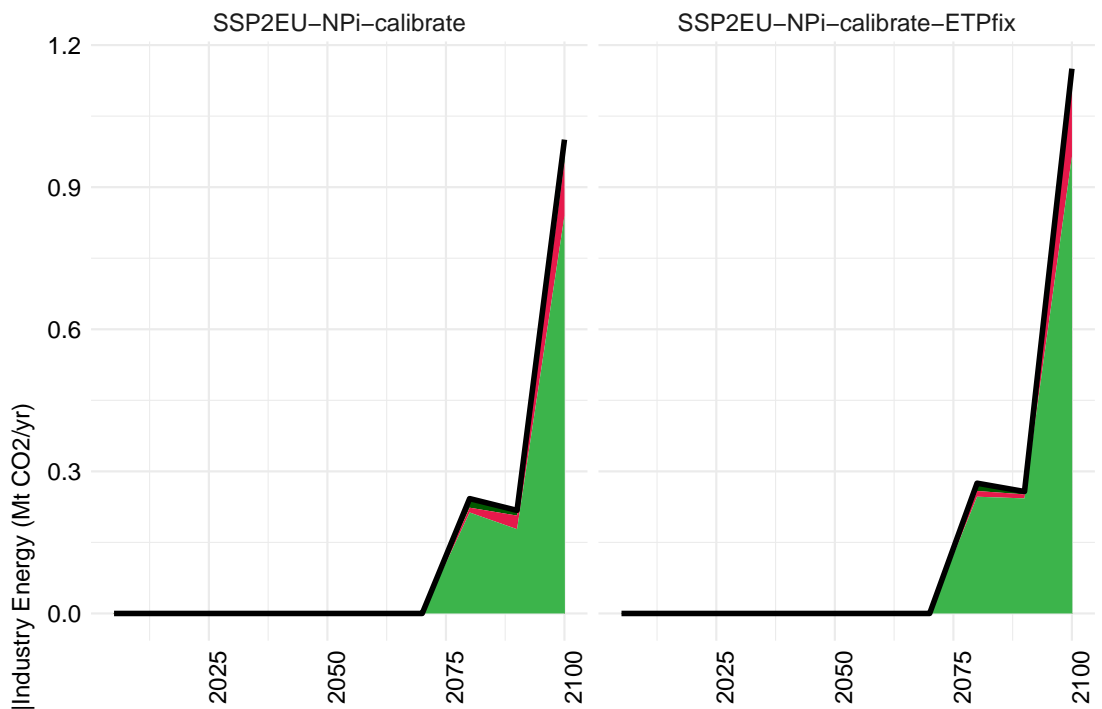


SSP2EU-NPi-calibrate

SSP2EU-NPi-calibrate-ETPfix

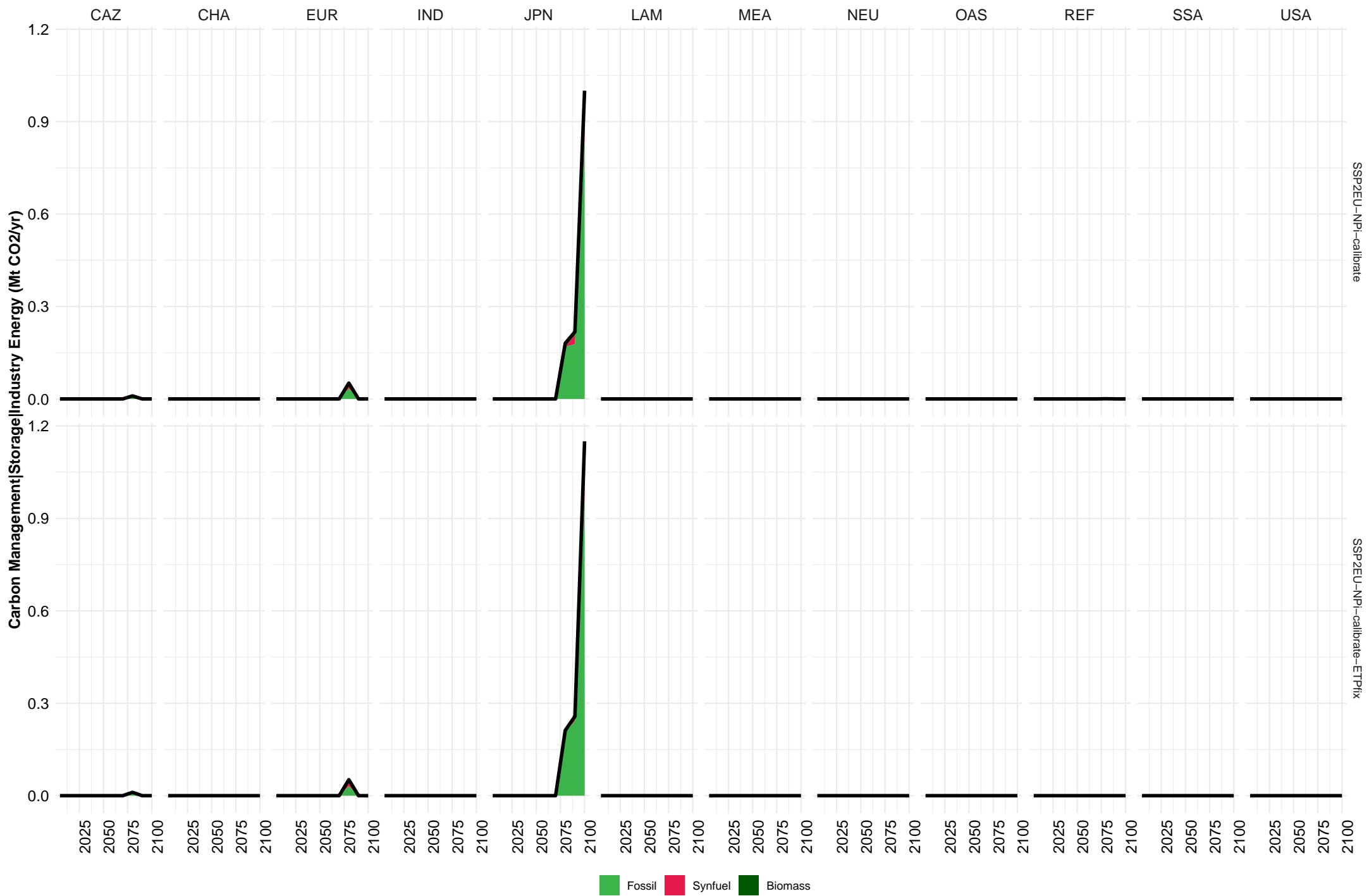


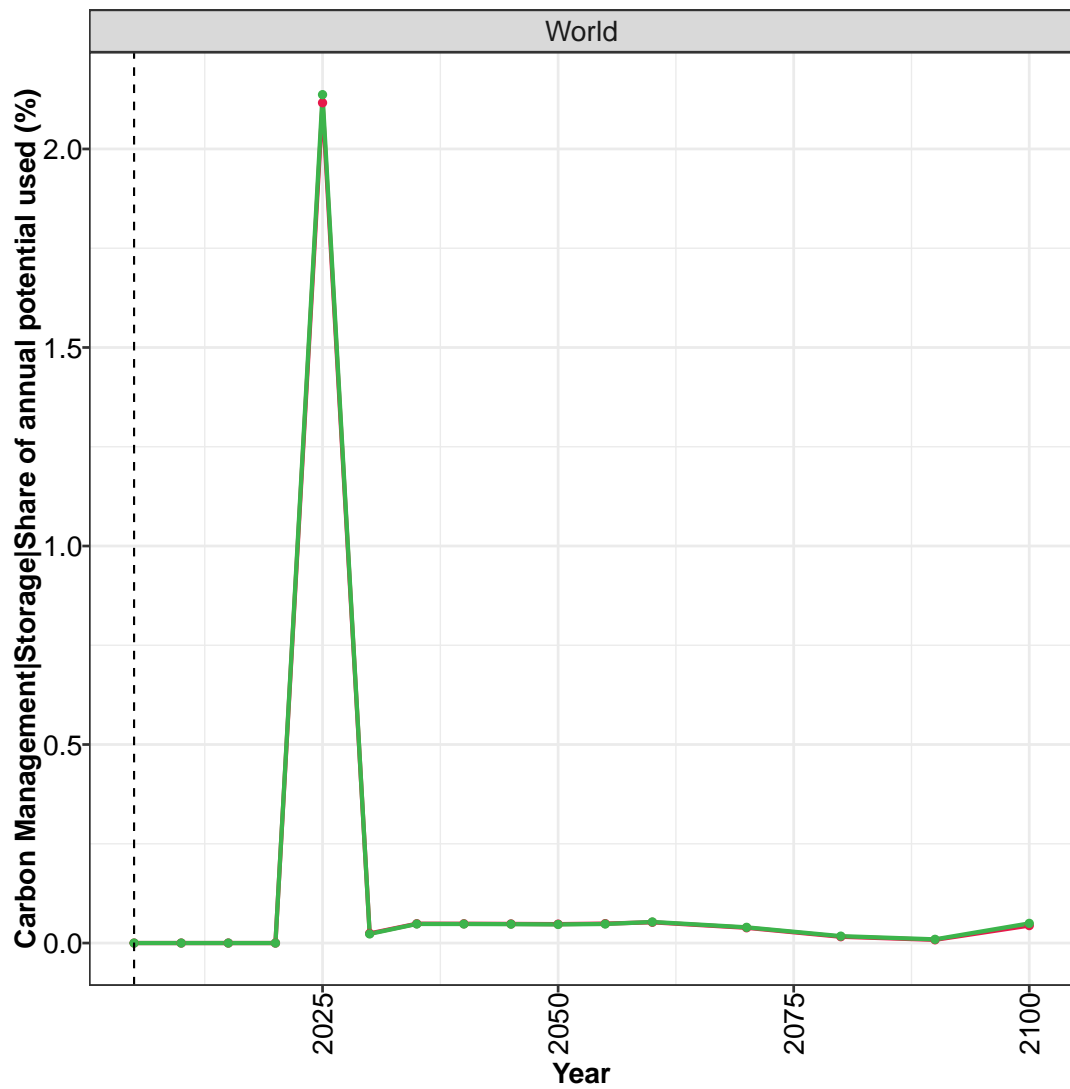




○ SSP2EU-NPi-calibrate △ SSP2EU-NPi-calibrate-ETPfix

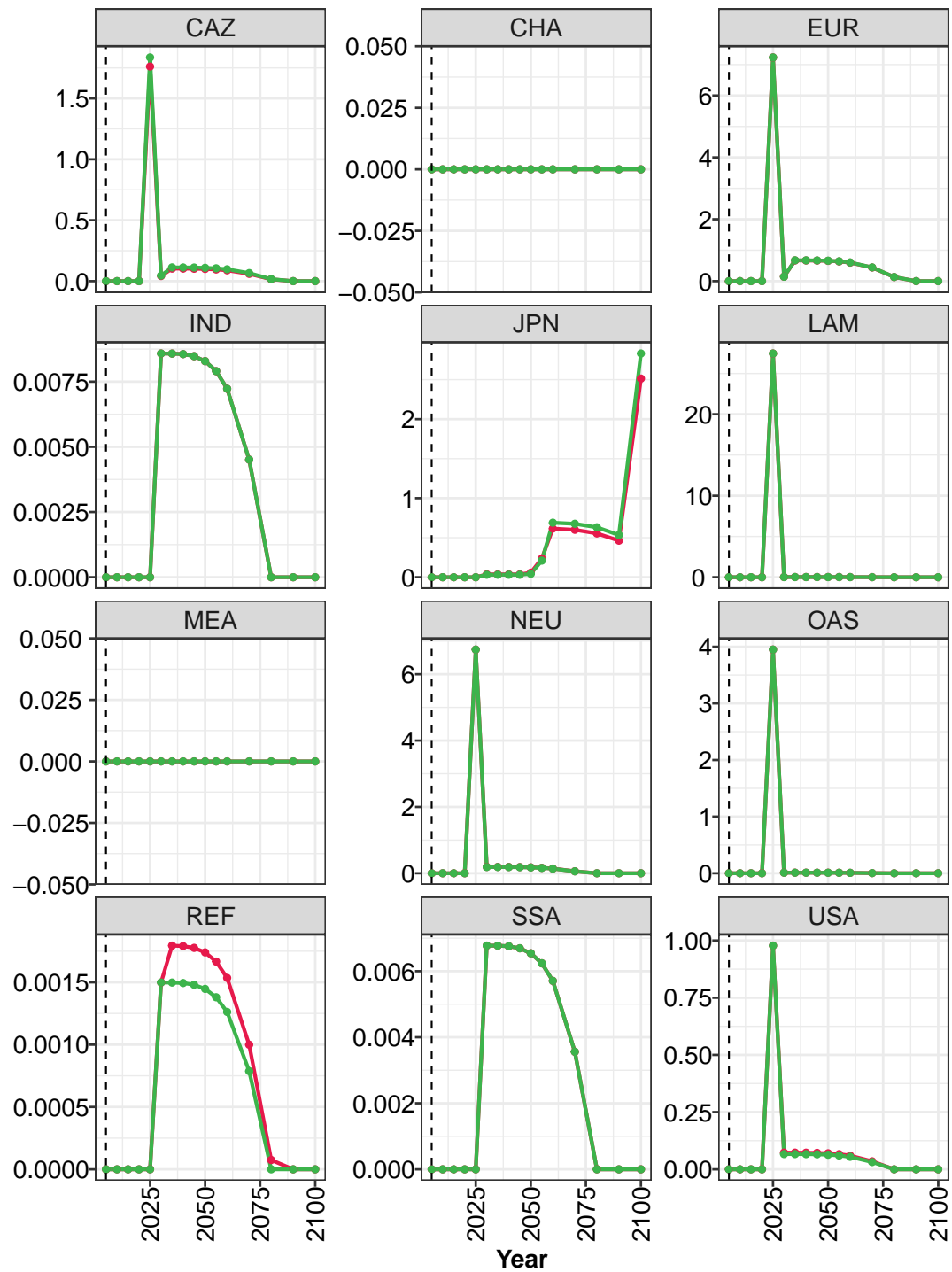
■ Fossil ■ Synfuel ■ Biomass

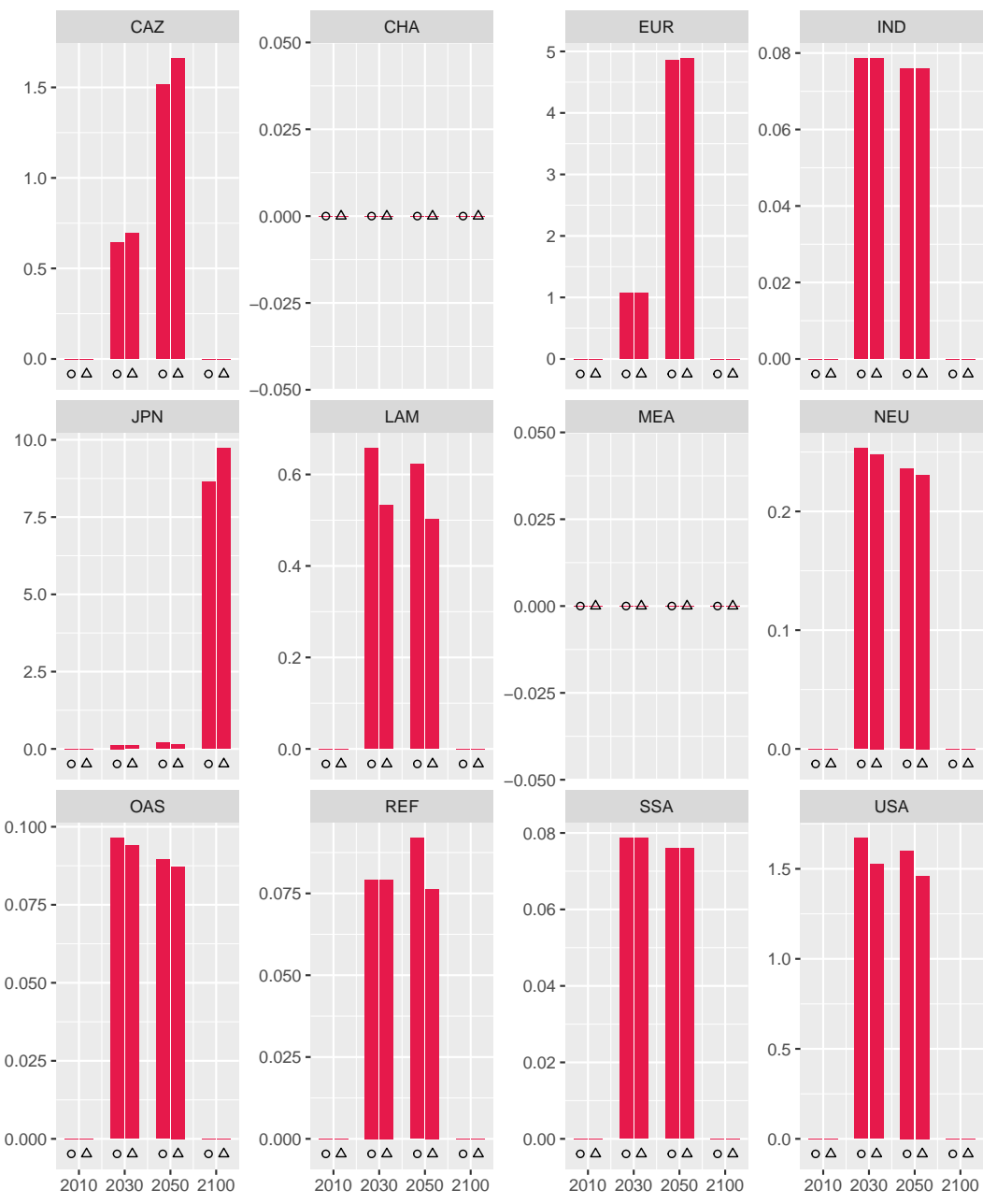
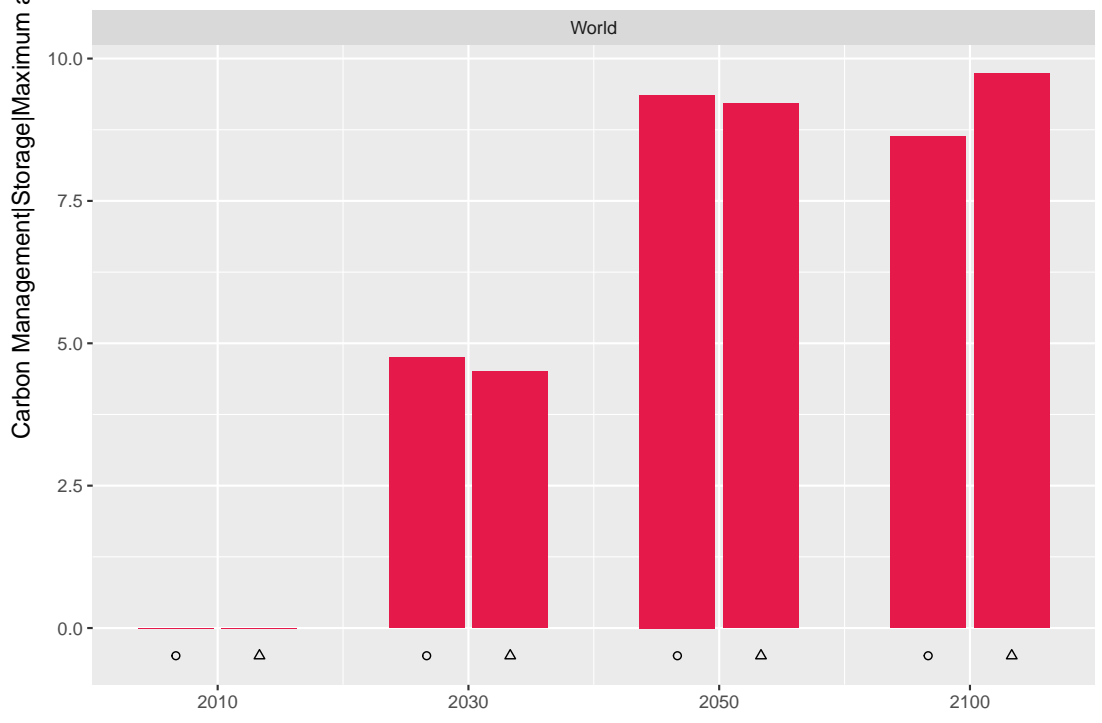
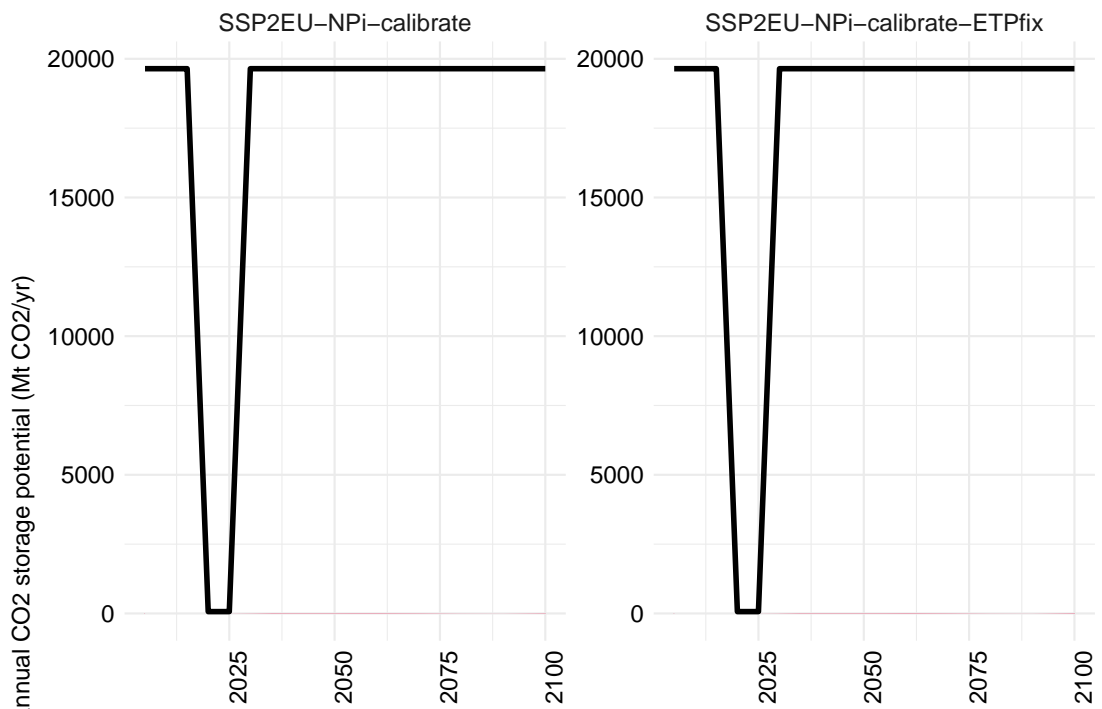




Model: REMIND

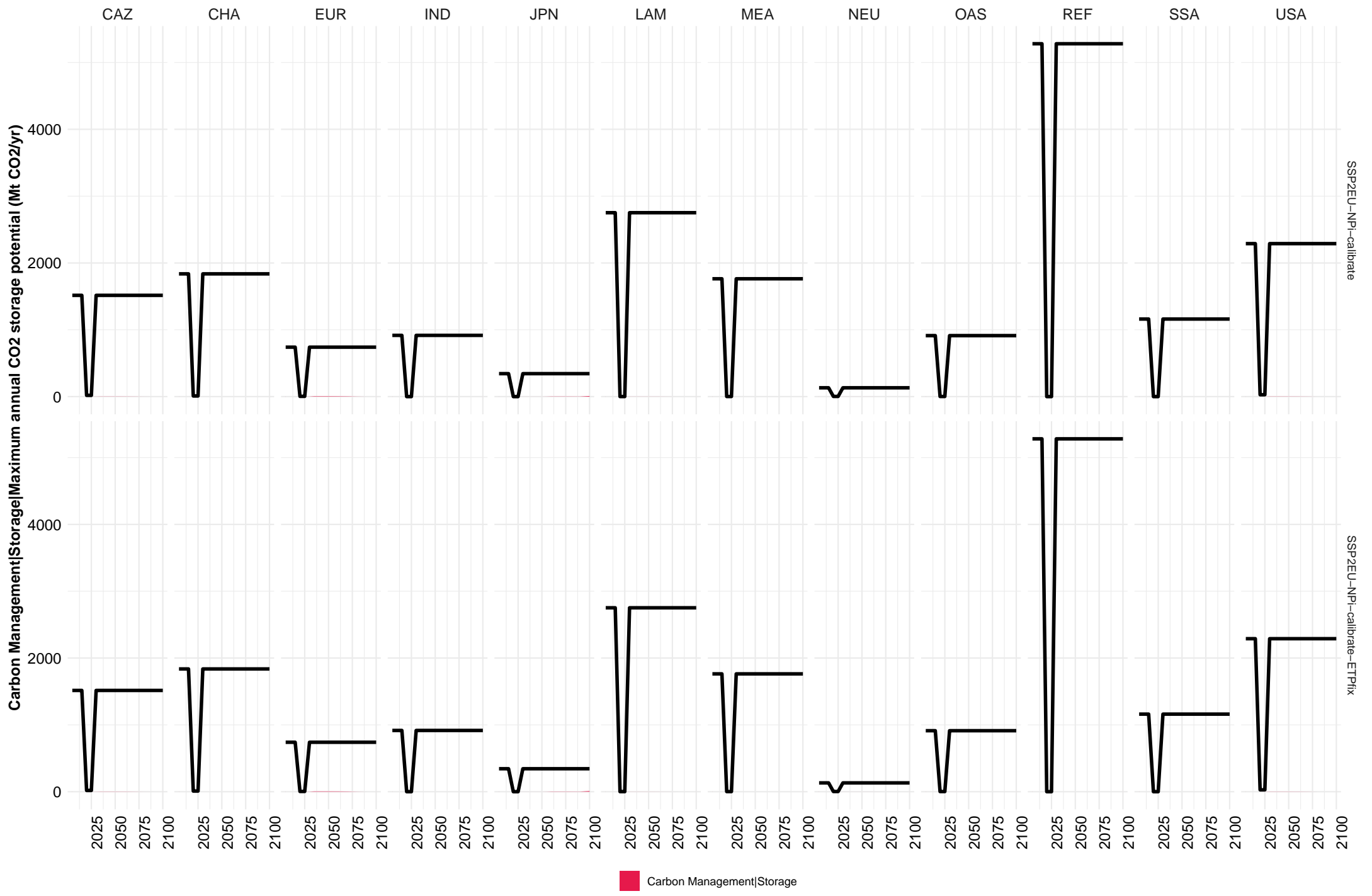
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



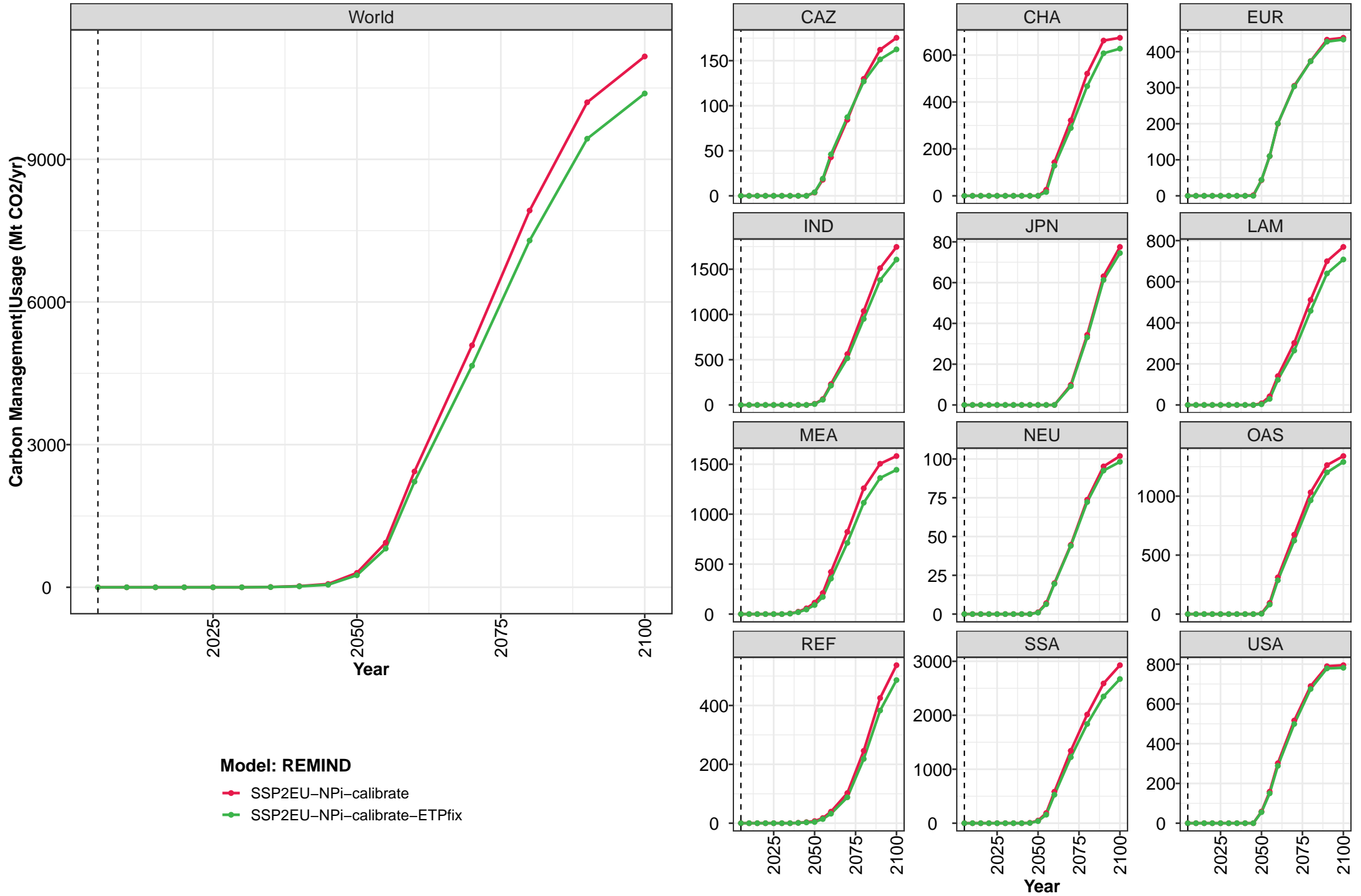


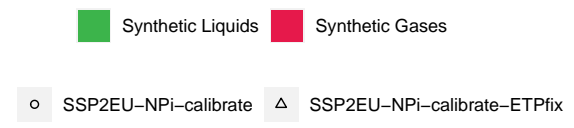
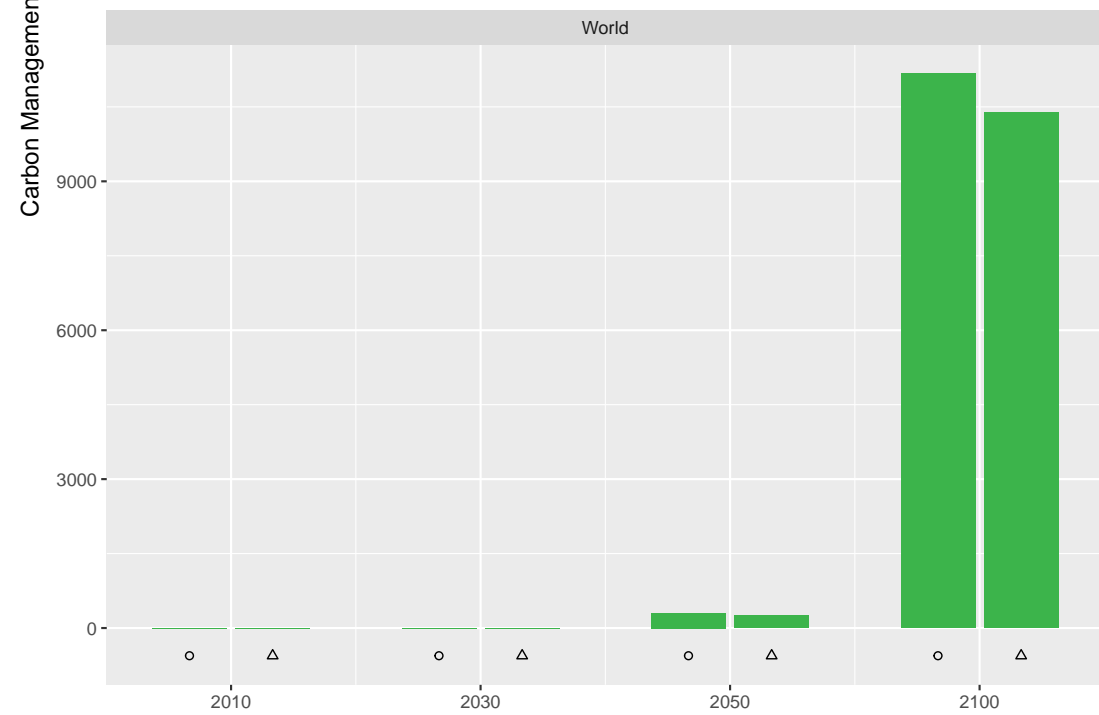
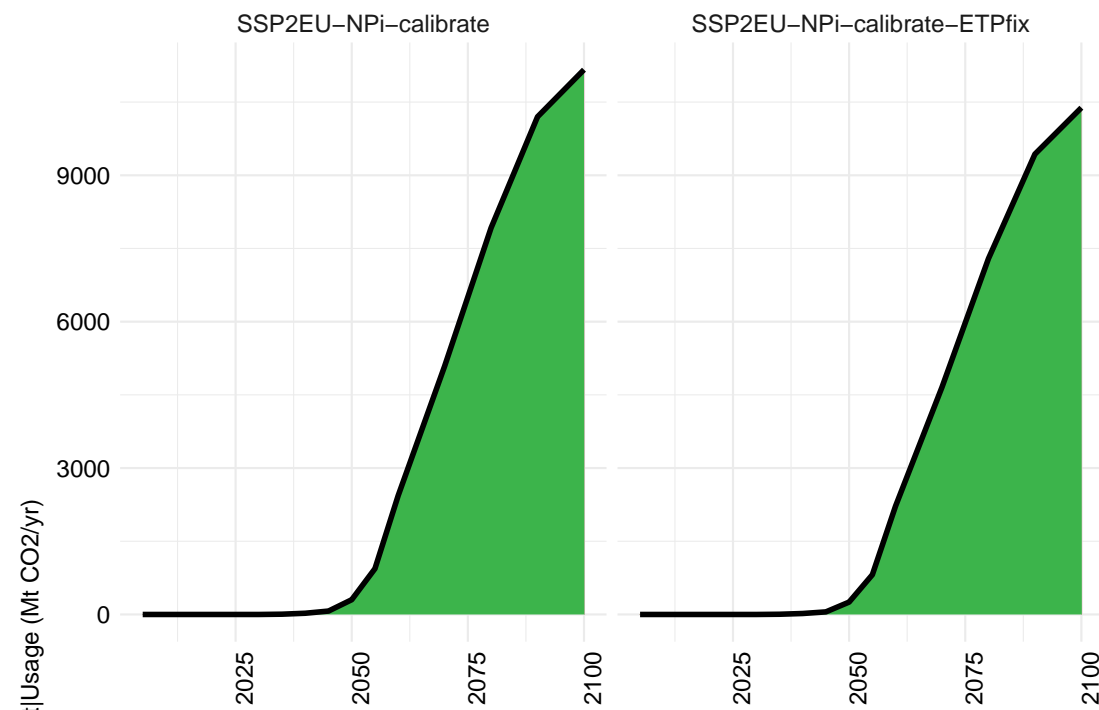
○ SSP2EU-NPi-calibrate △ SSP2EU-NPi-calibrate-ETPfix

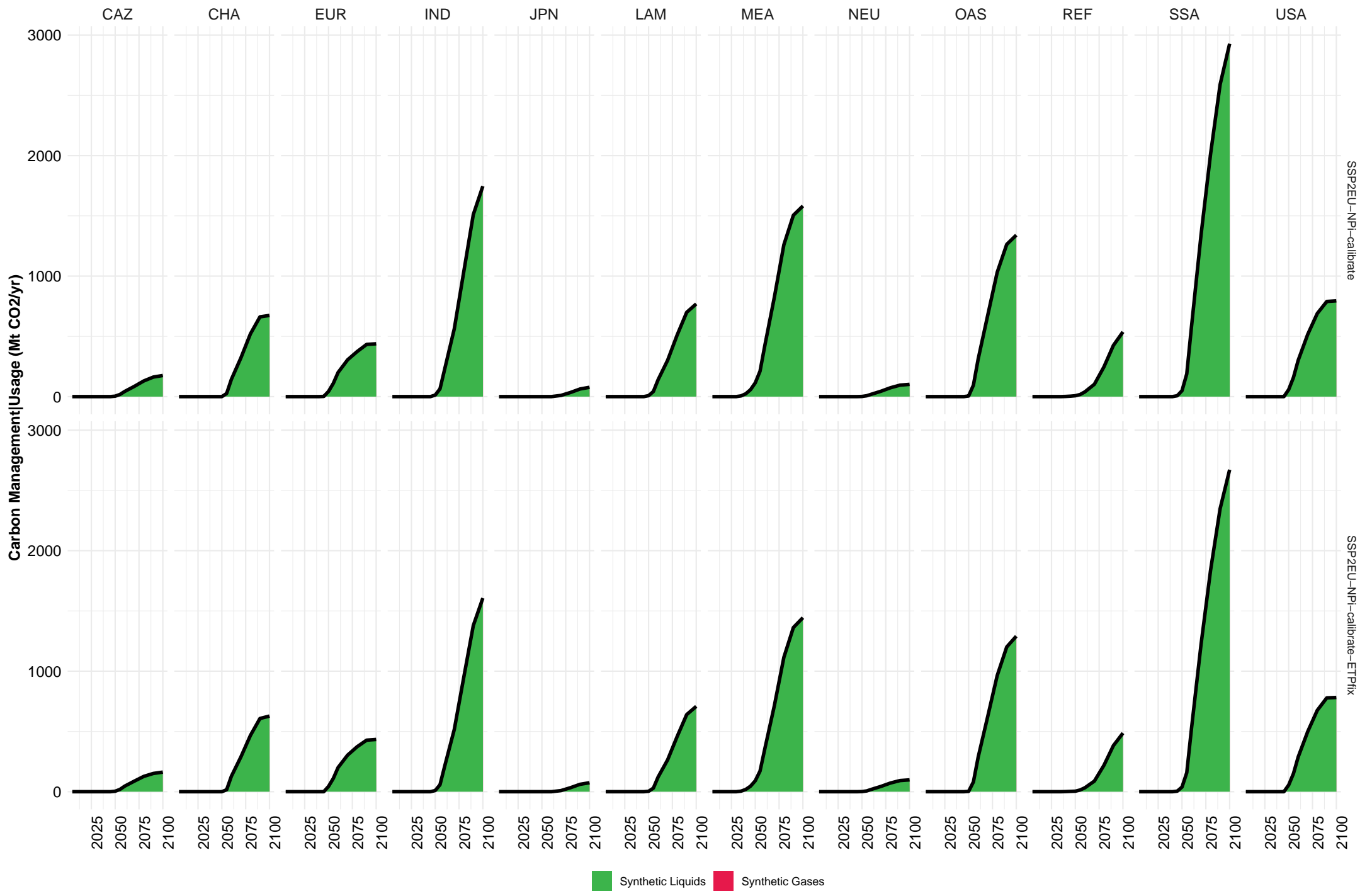
■ Carbon Management|Storage



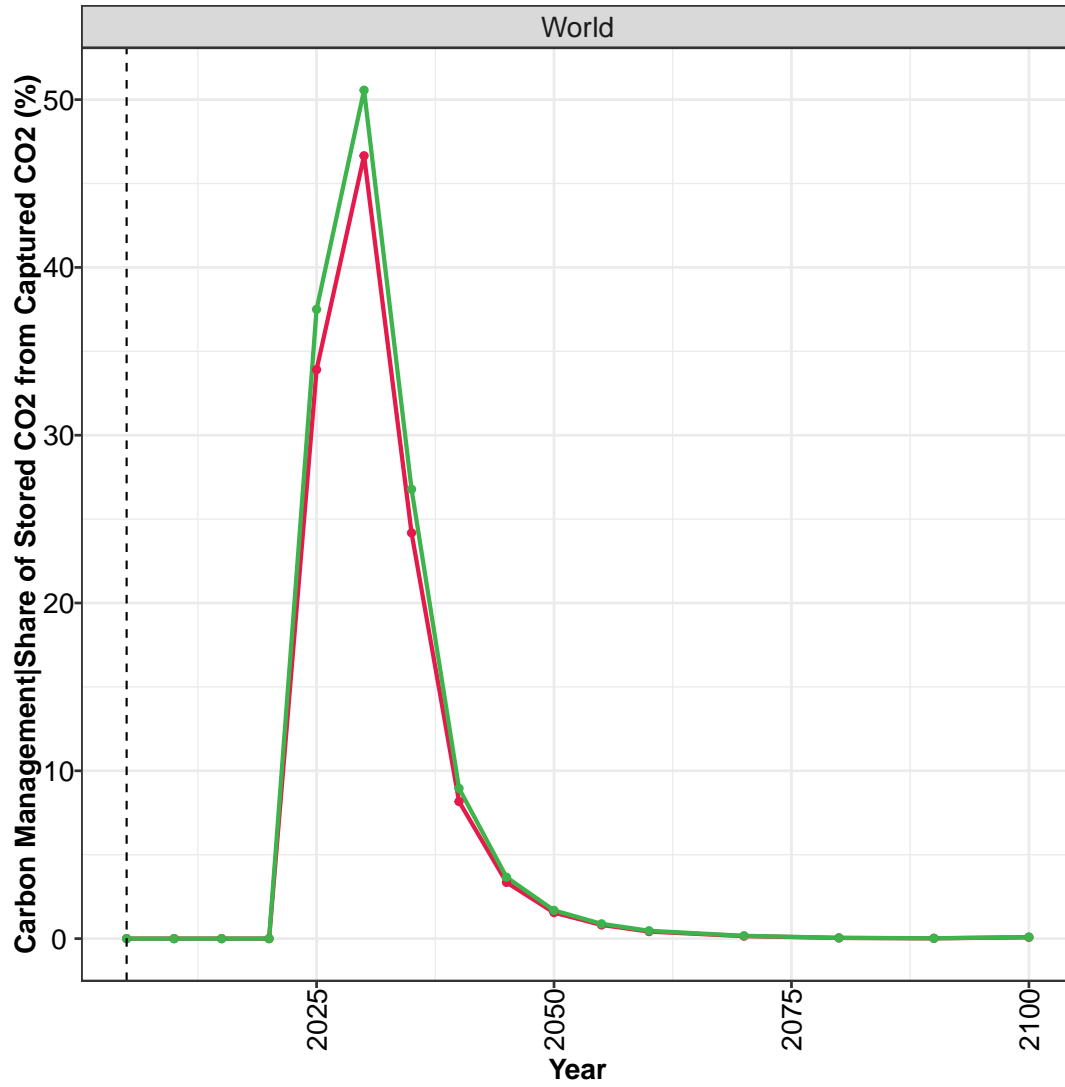
9.3 Usage





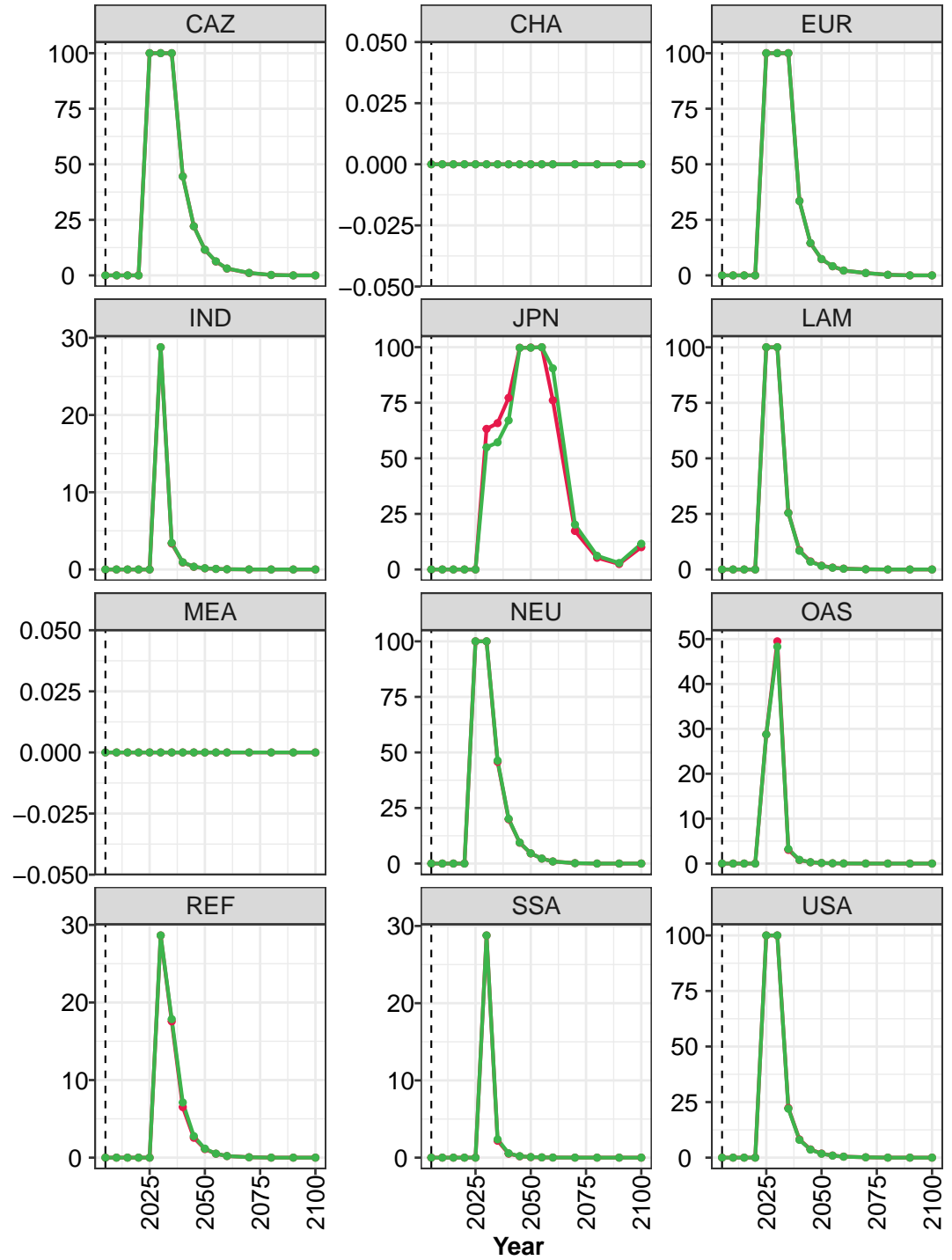


9.4 Share



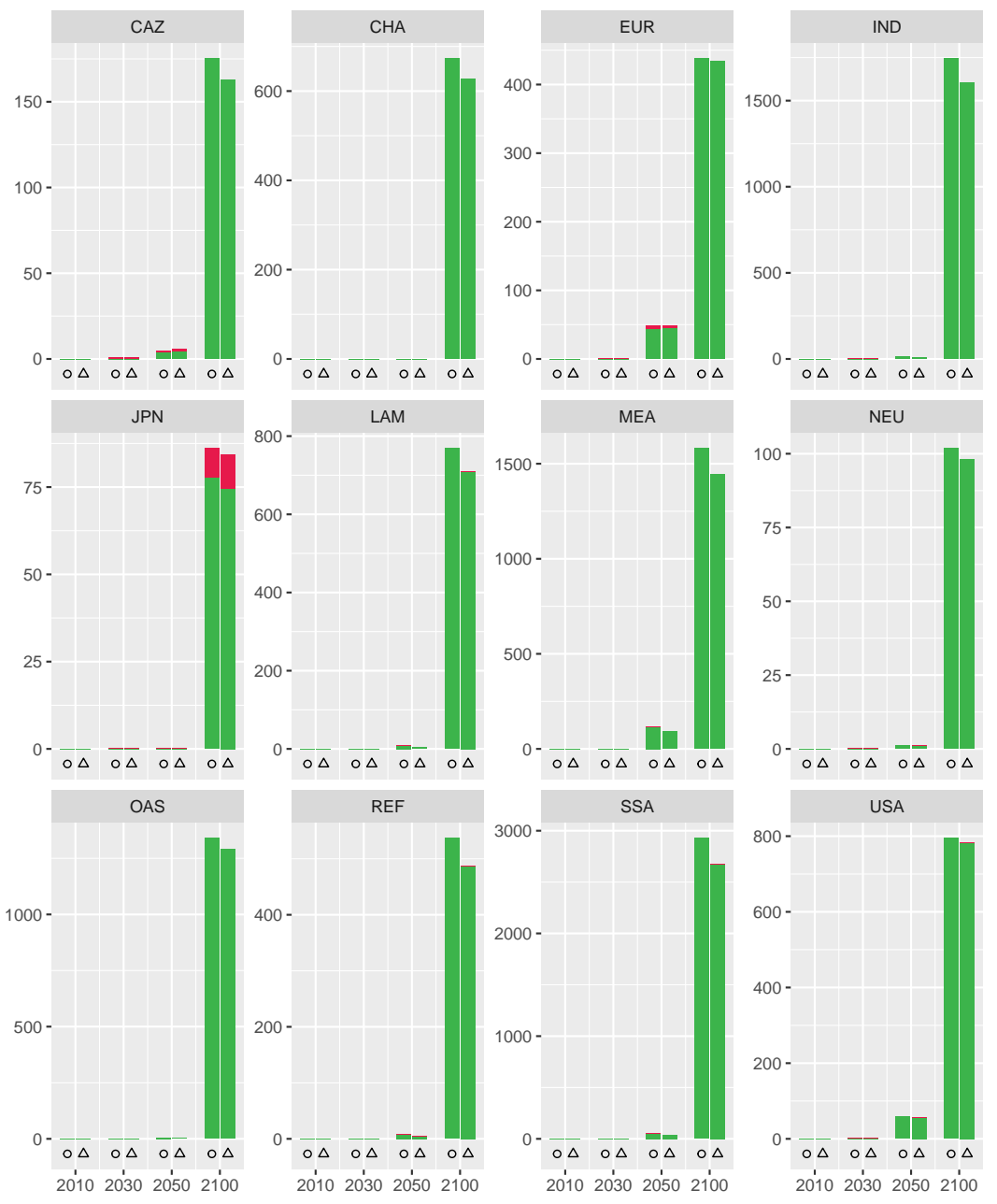
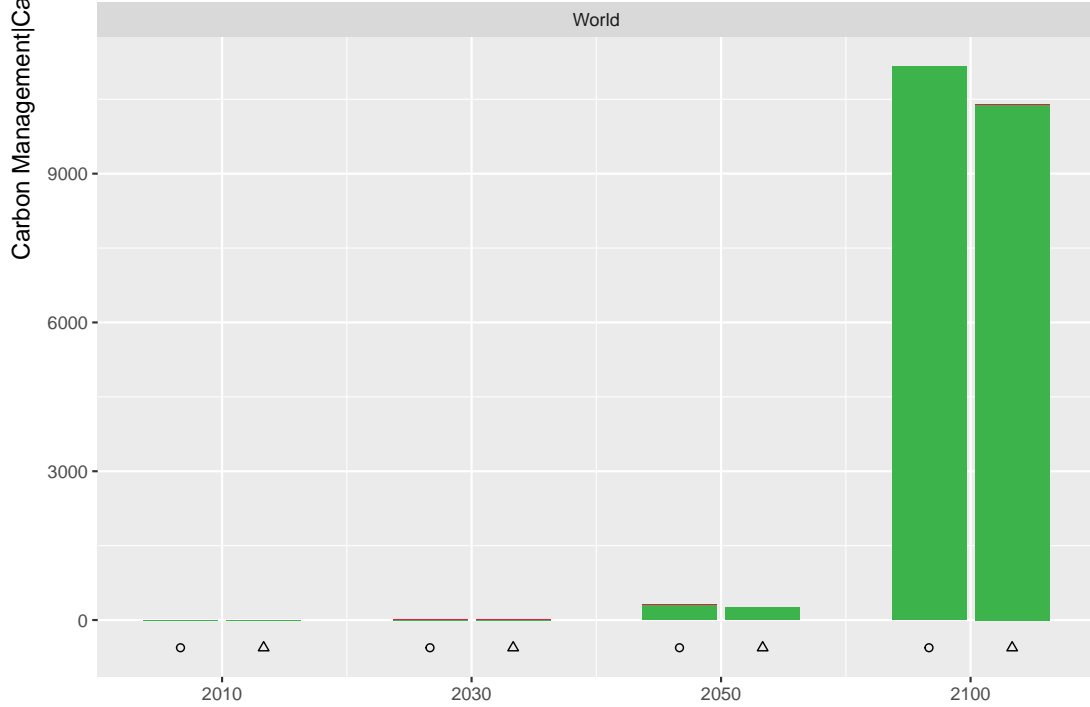
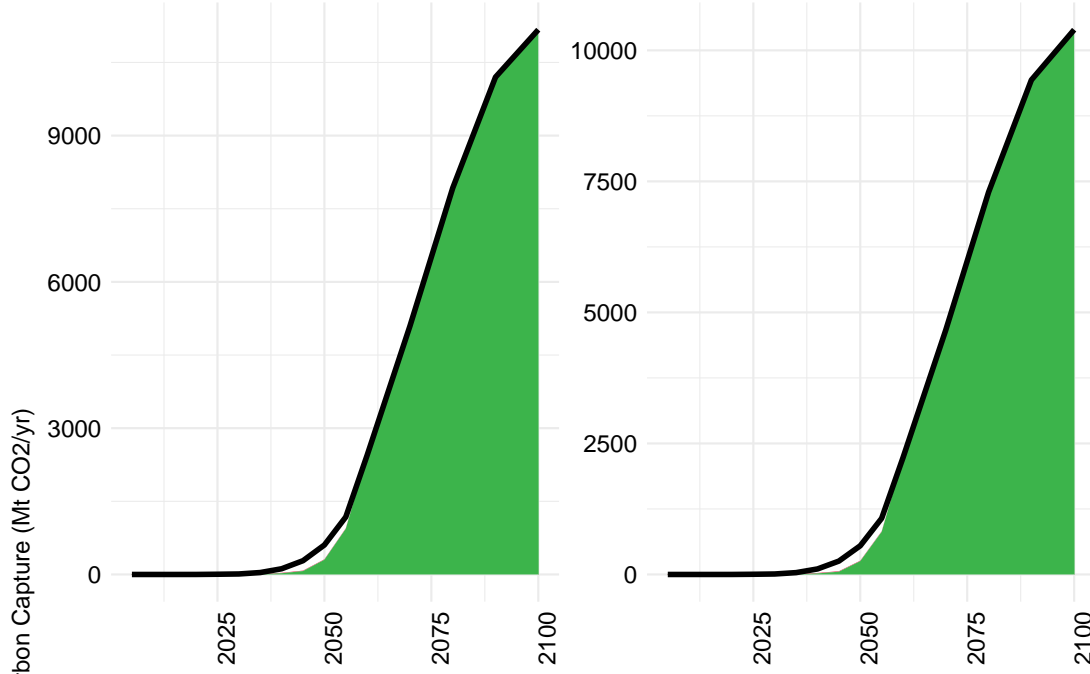
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



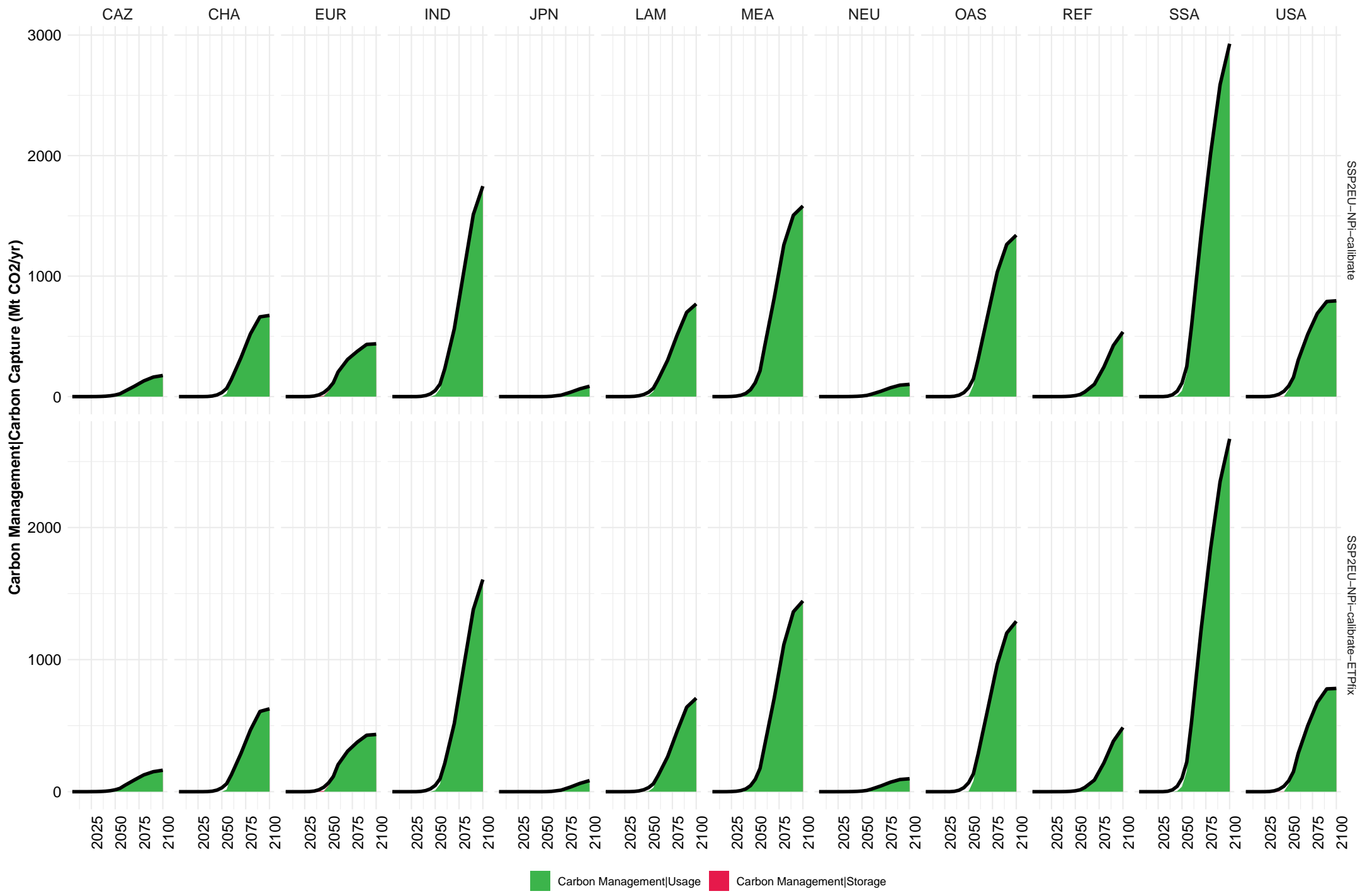
SSP2EU-NPi-calibrate

SSP2EU-NPi-calibrate-ETPfix

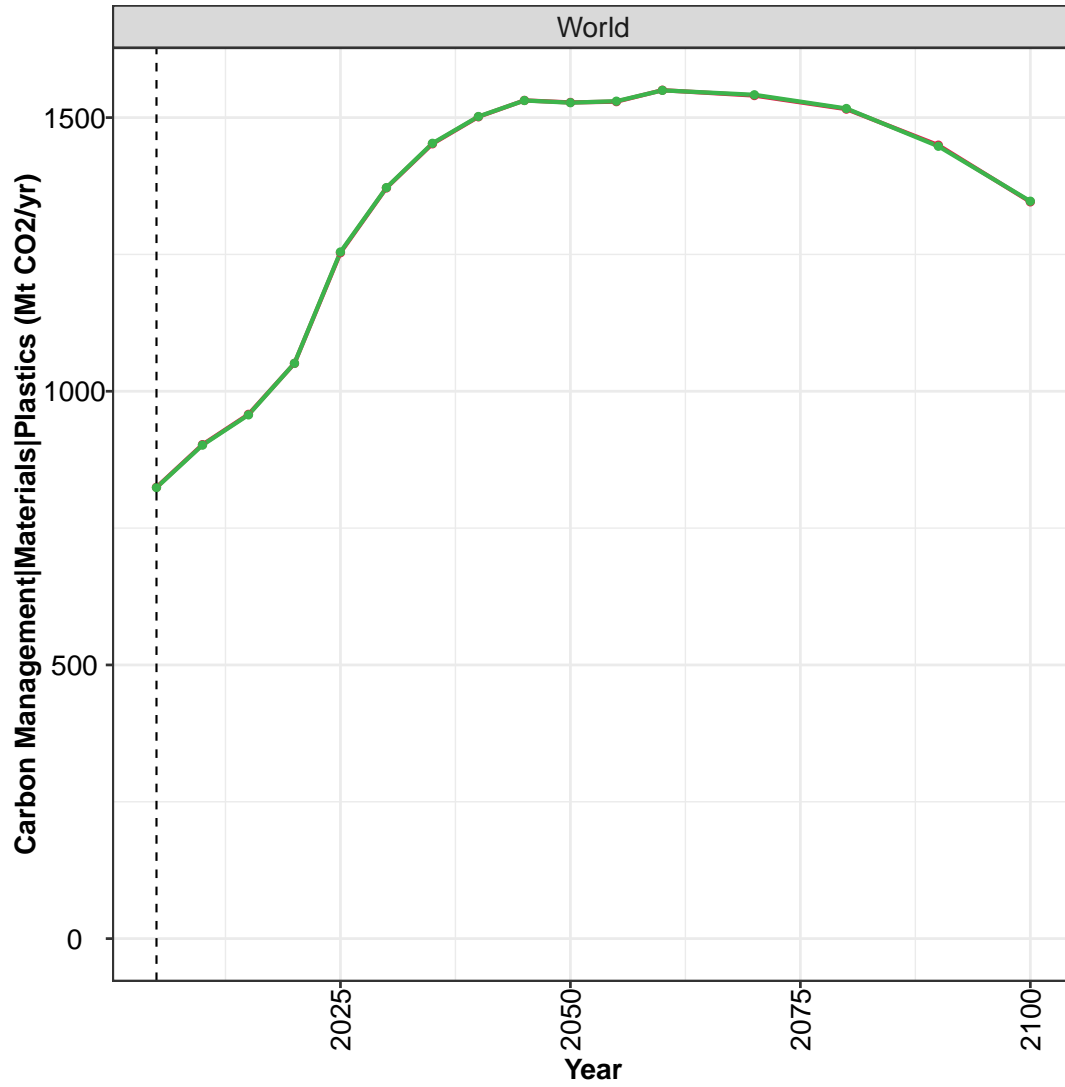


○ SSP2EU-NPi-calibrate △ SSP2EU-NPi-calibrate-ETPfix

■ Carbon Management|Usage ■ Carbon Management|Storage

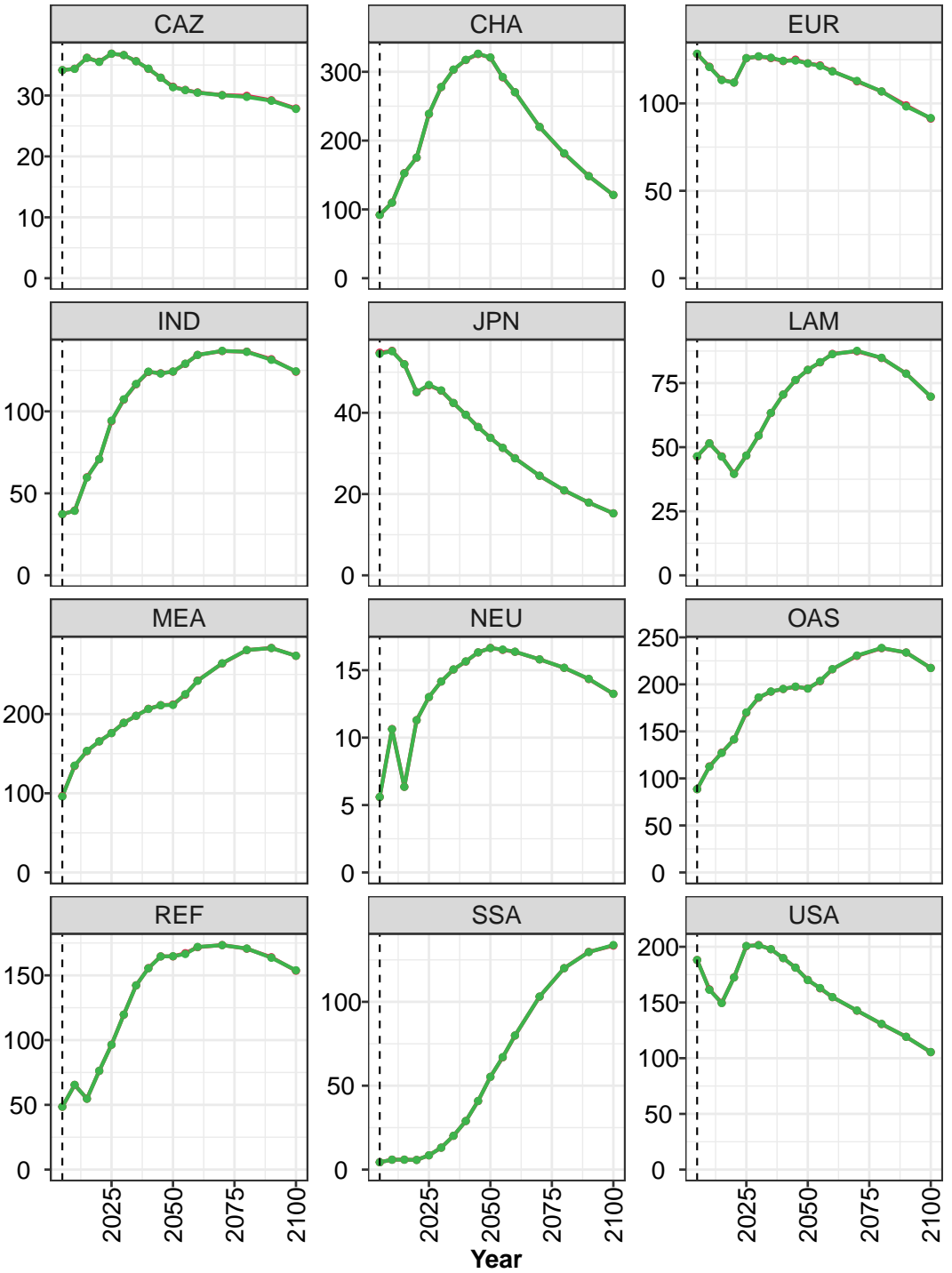


10.1 Total plastics production

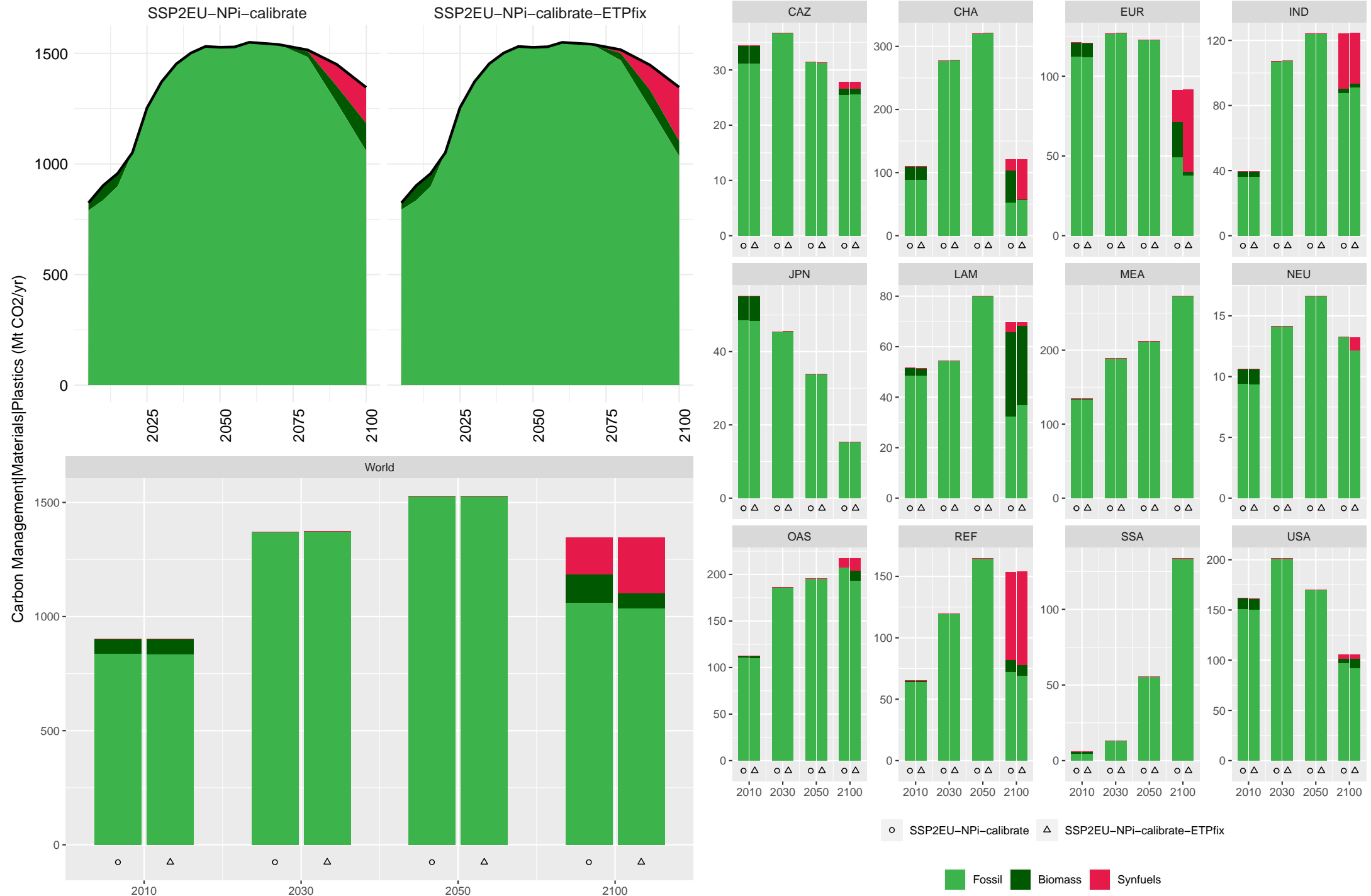


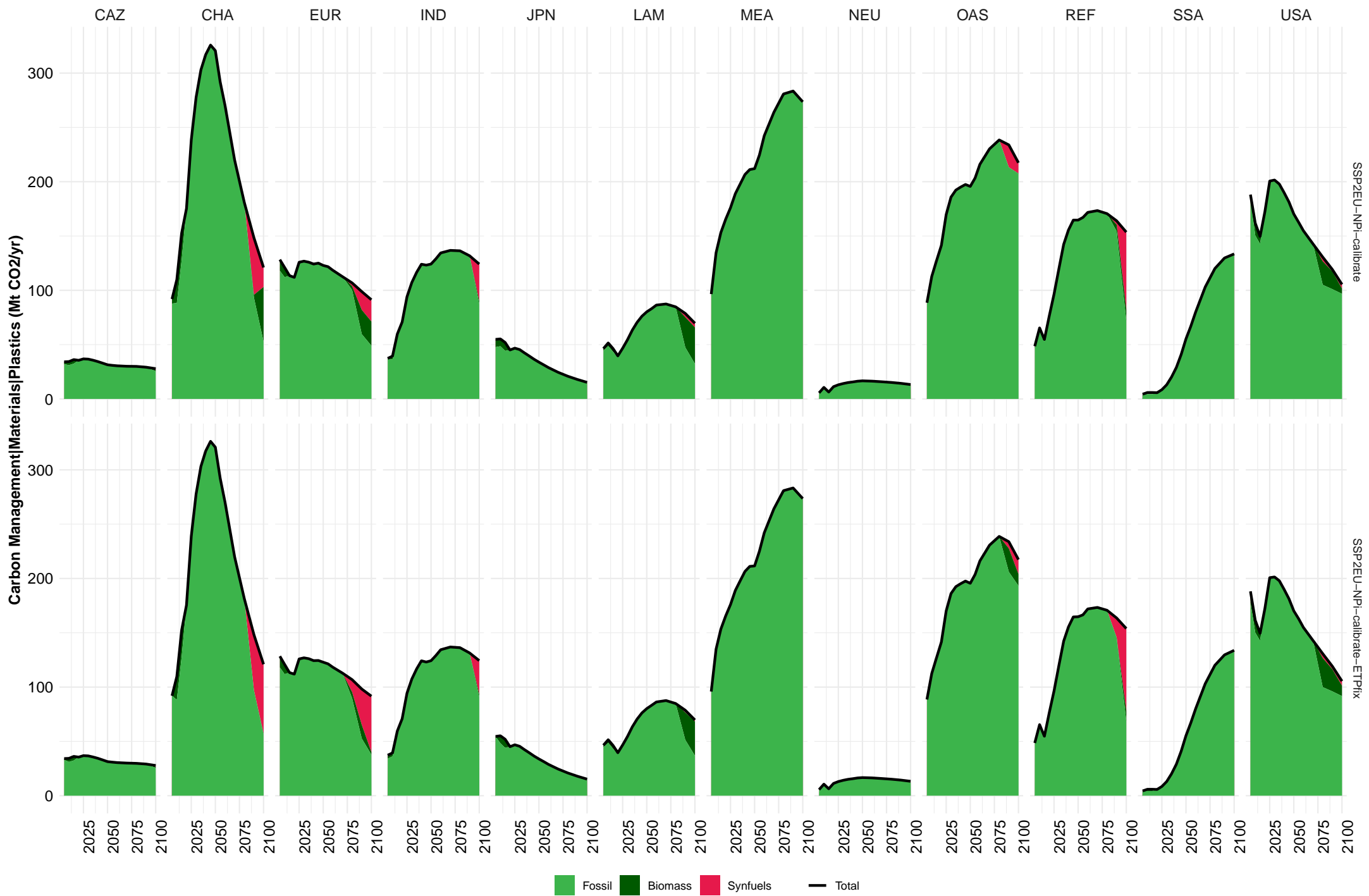
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

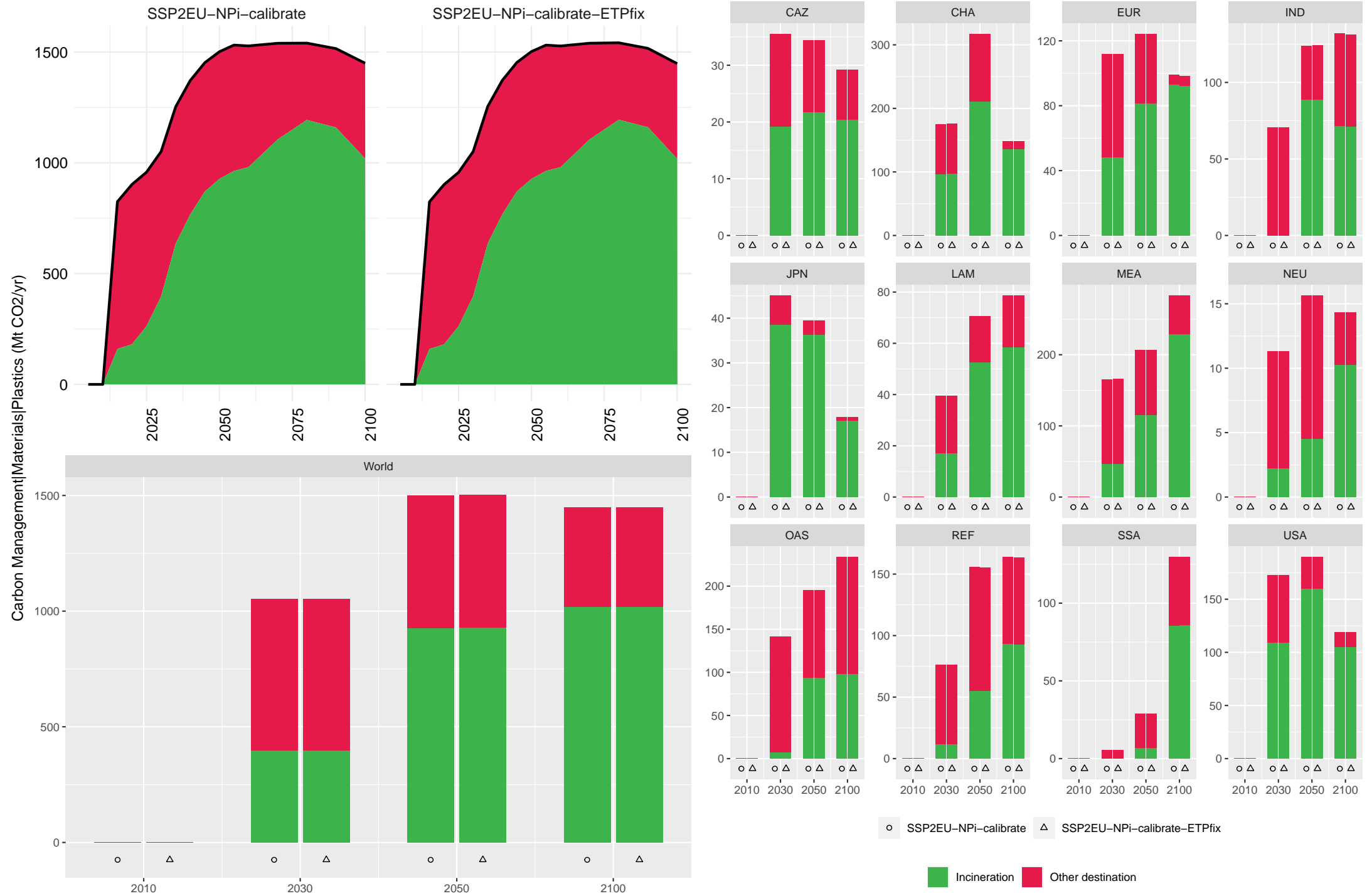


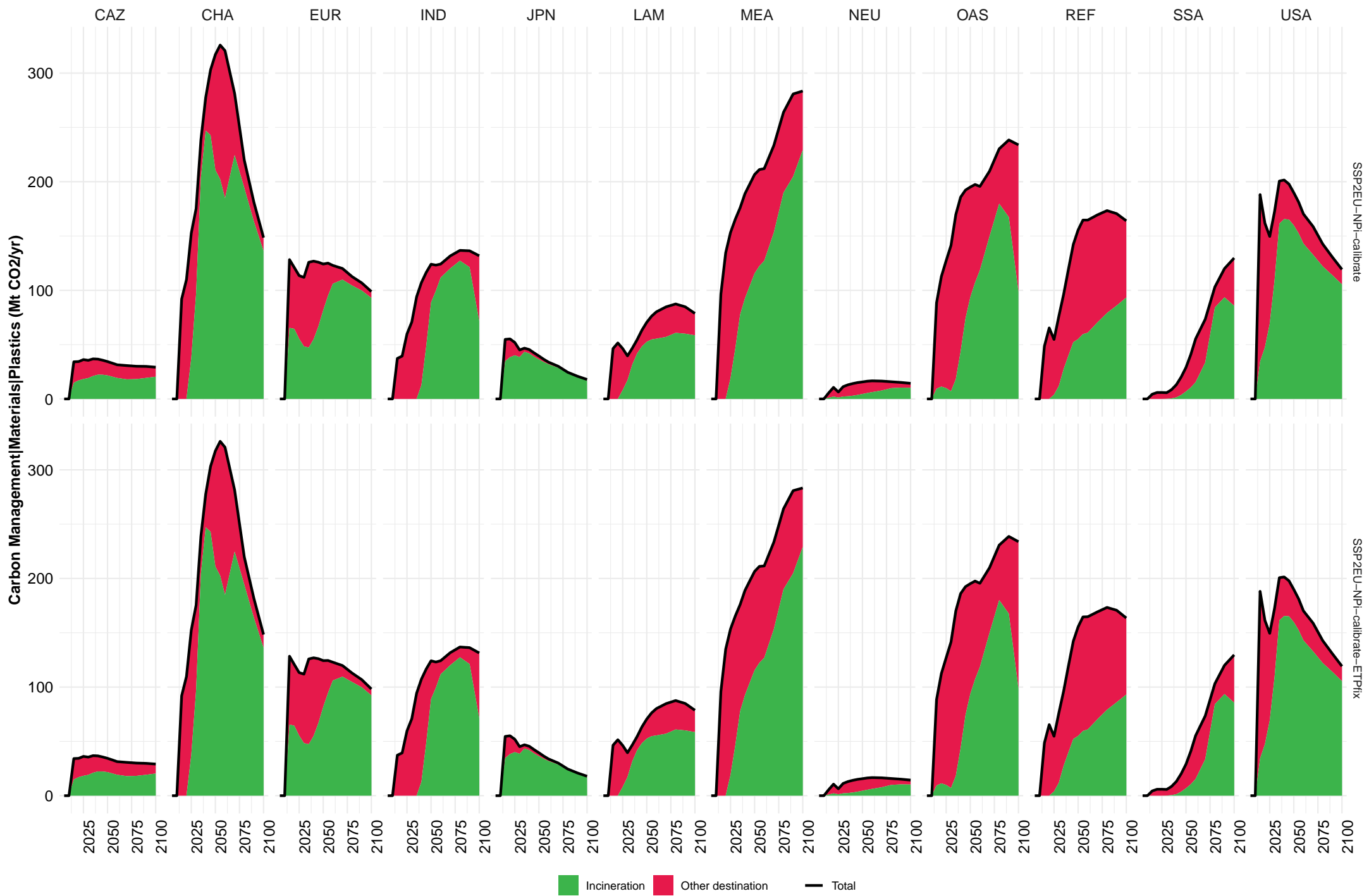
10.2 Plastics production by origin





10.3 Plastics production by fate

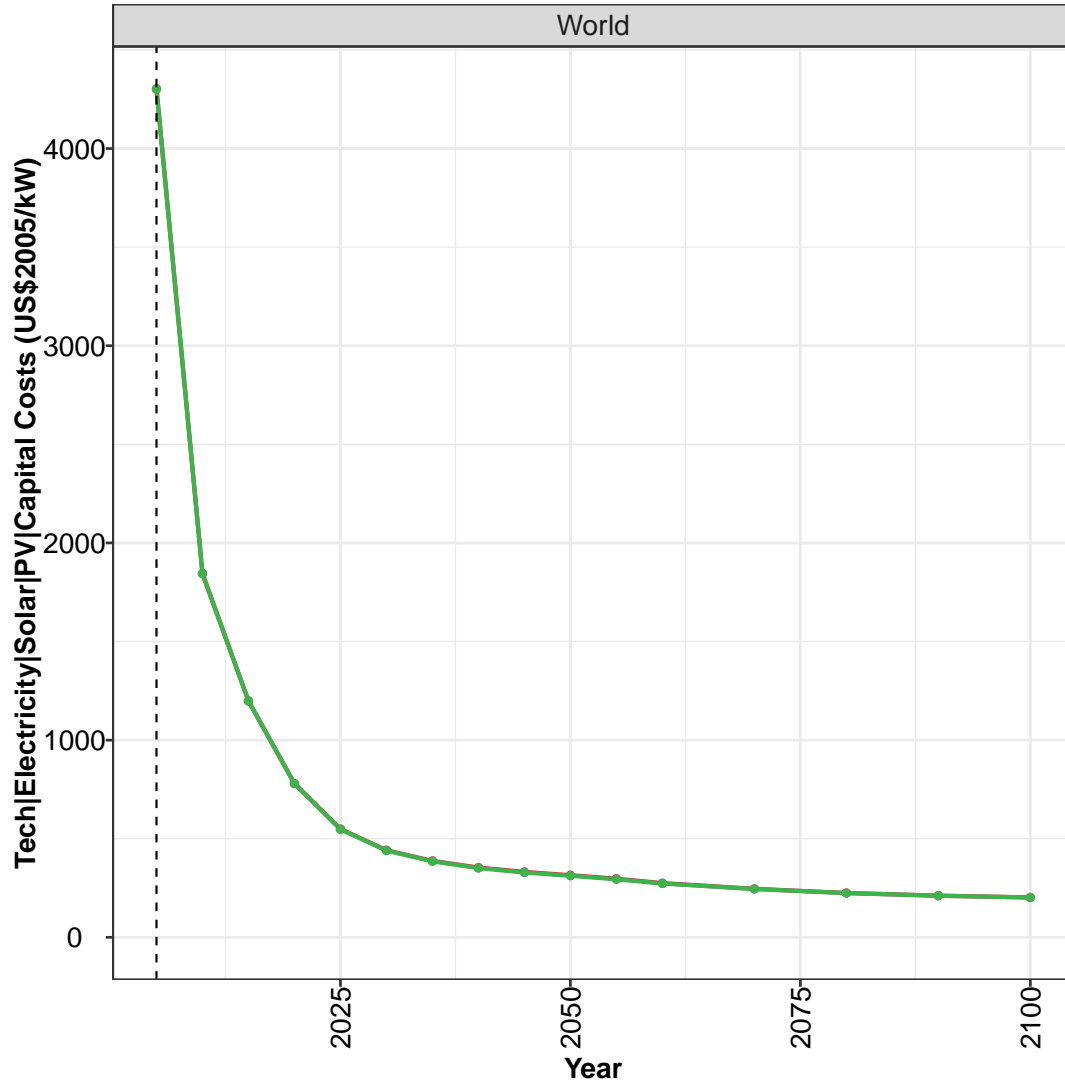




11 Technology capital costs

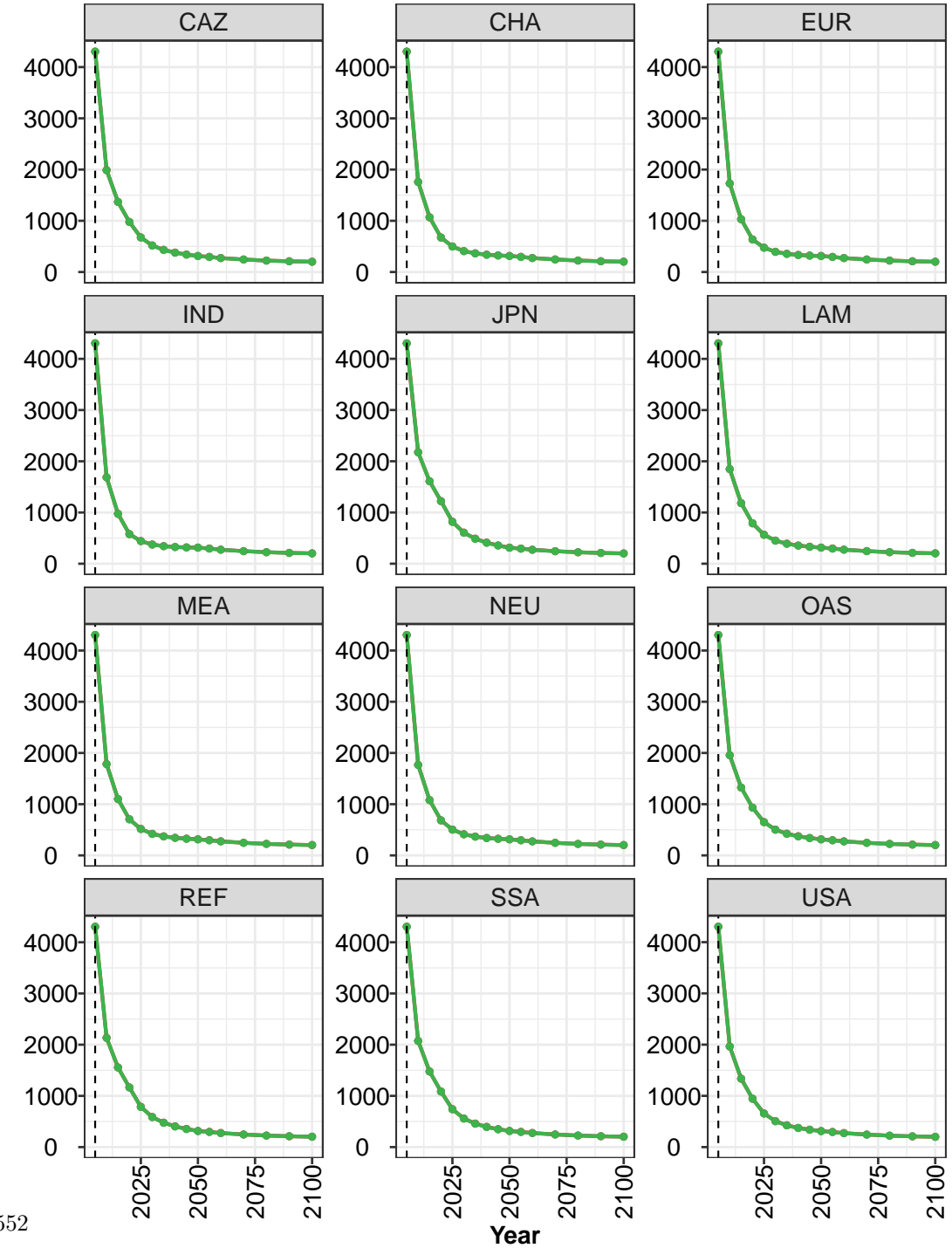
11.1 Electricity generating technology capital costs

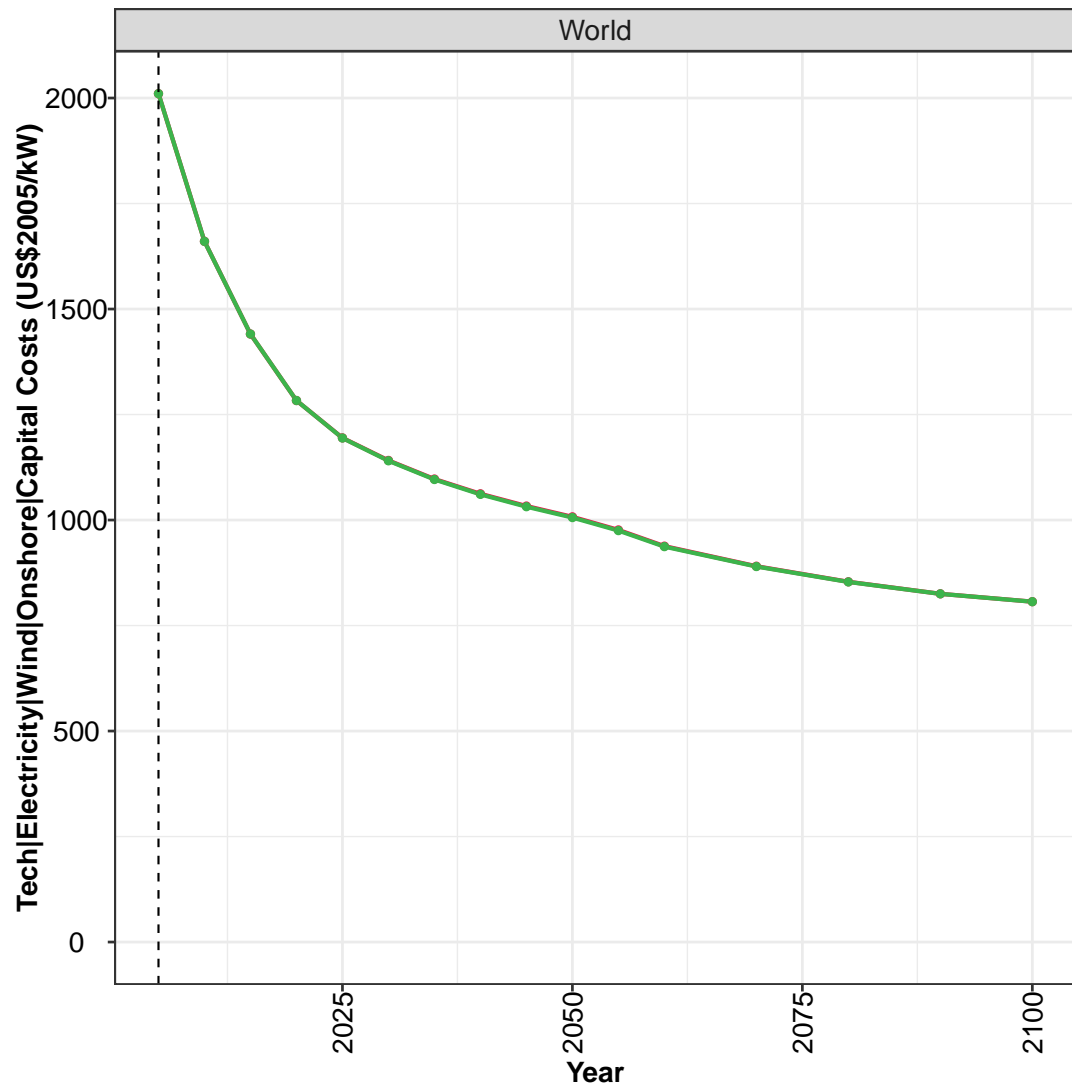
11.1.1 Renewables, storage and nuclear



Model: REMIND

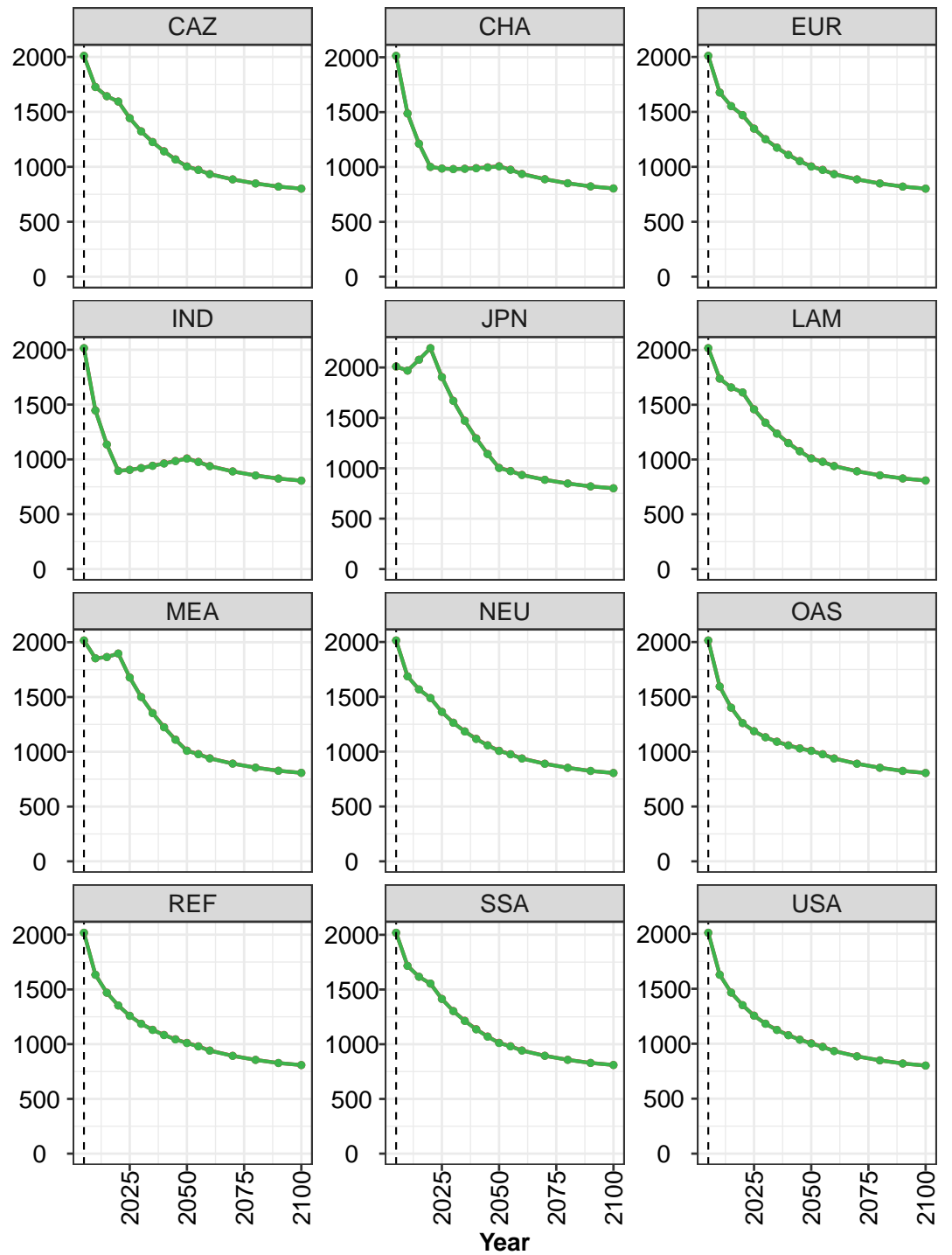
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

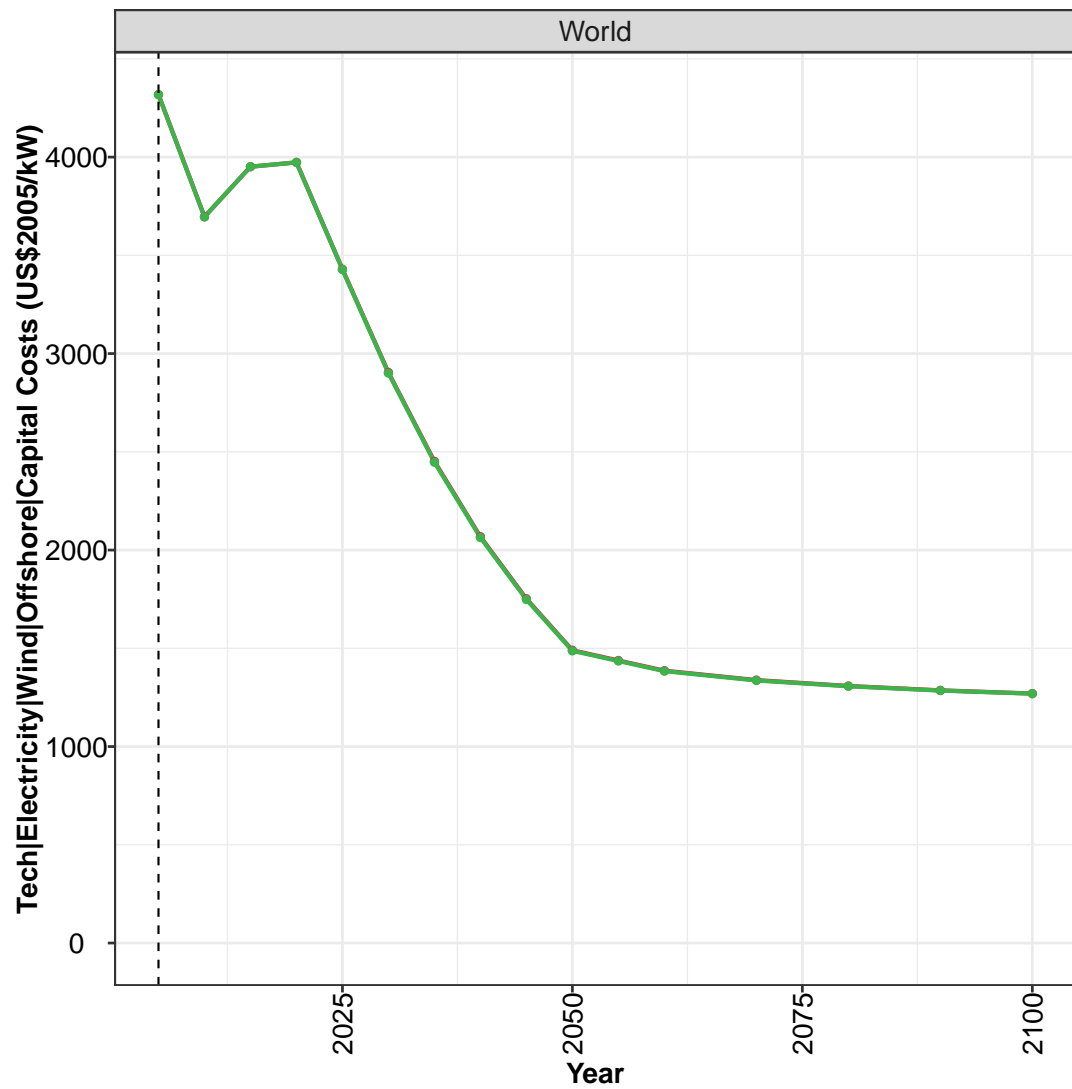




Model: REMIND

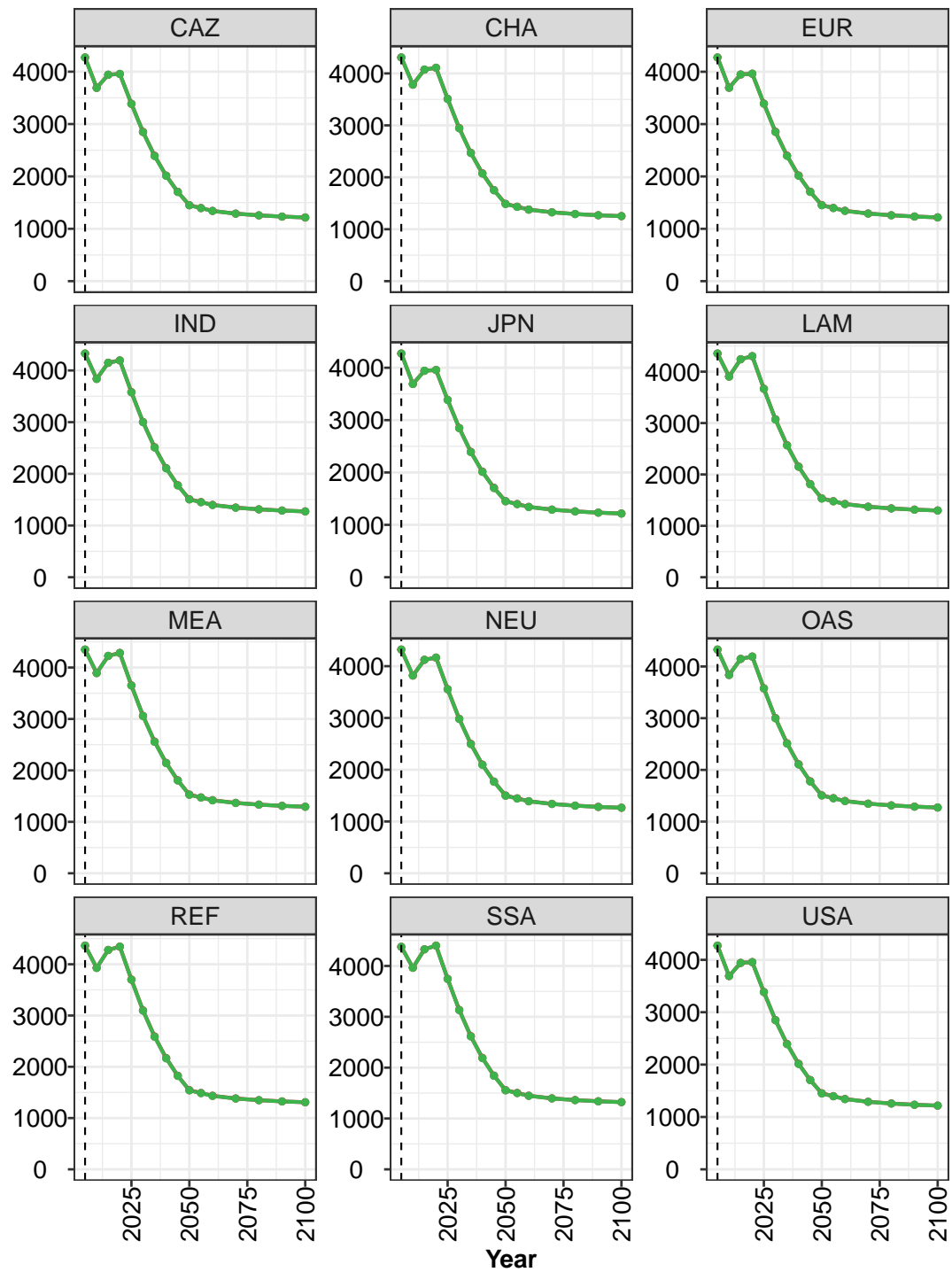
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

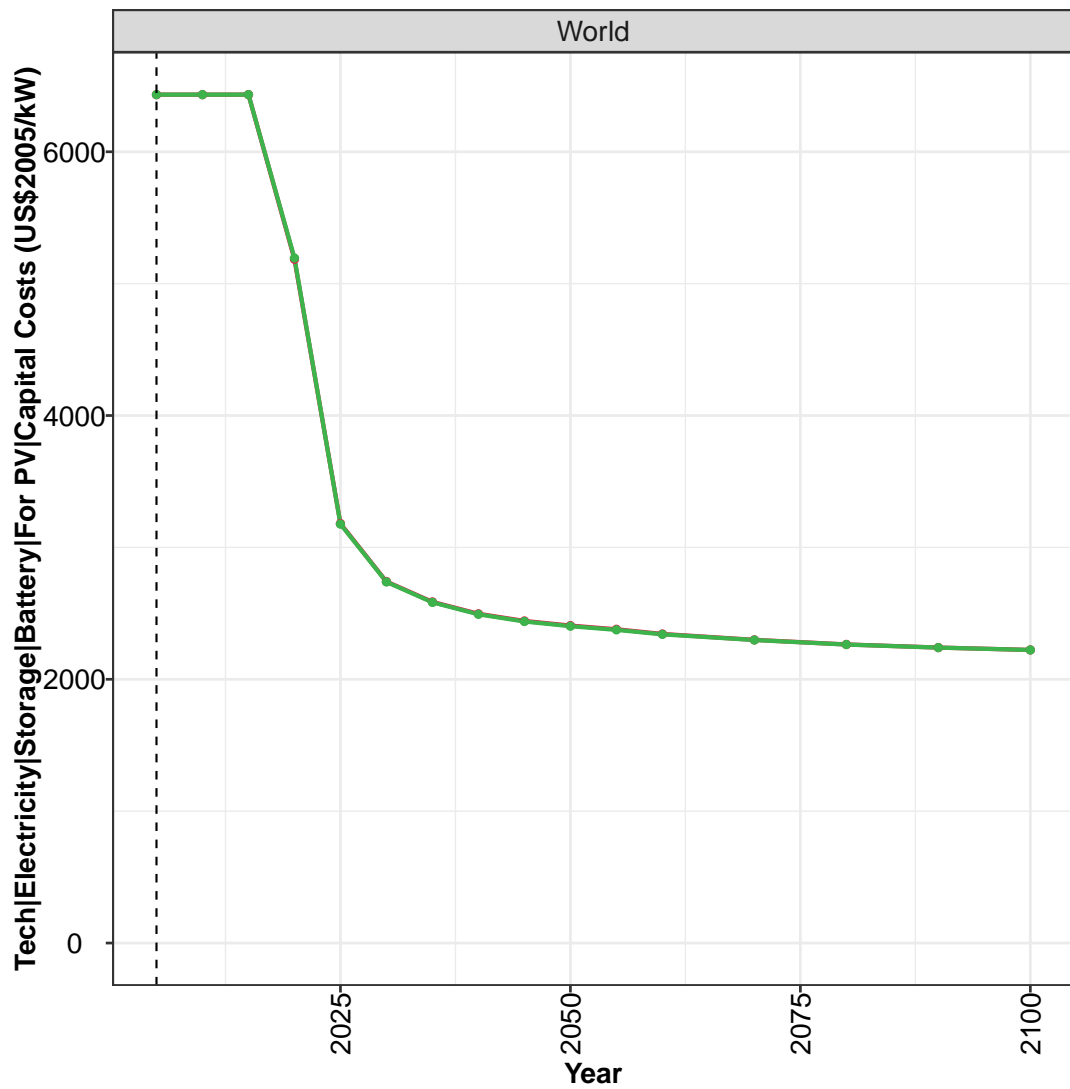




Model: REMIND

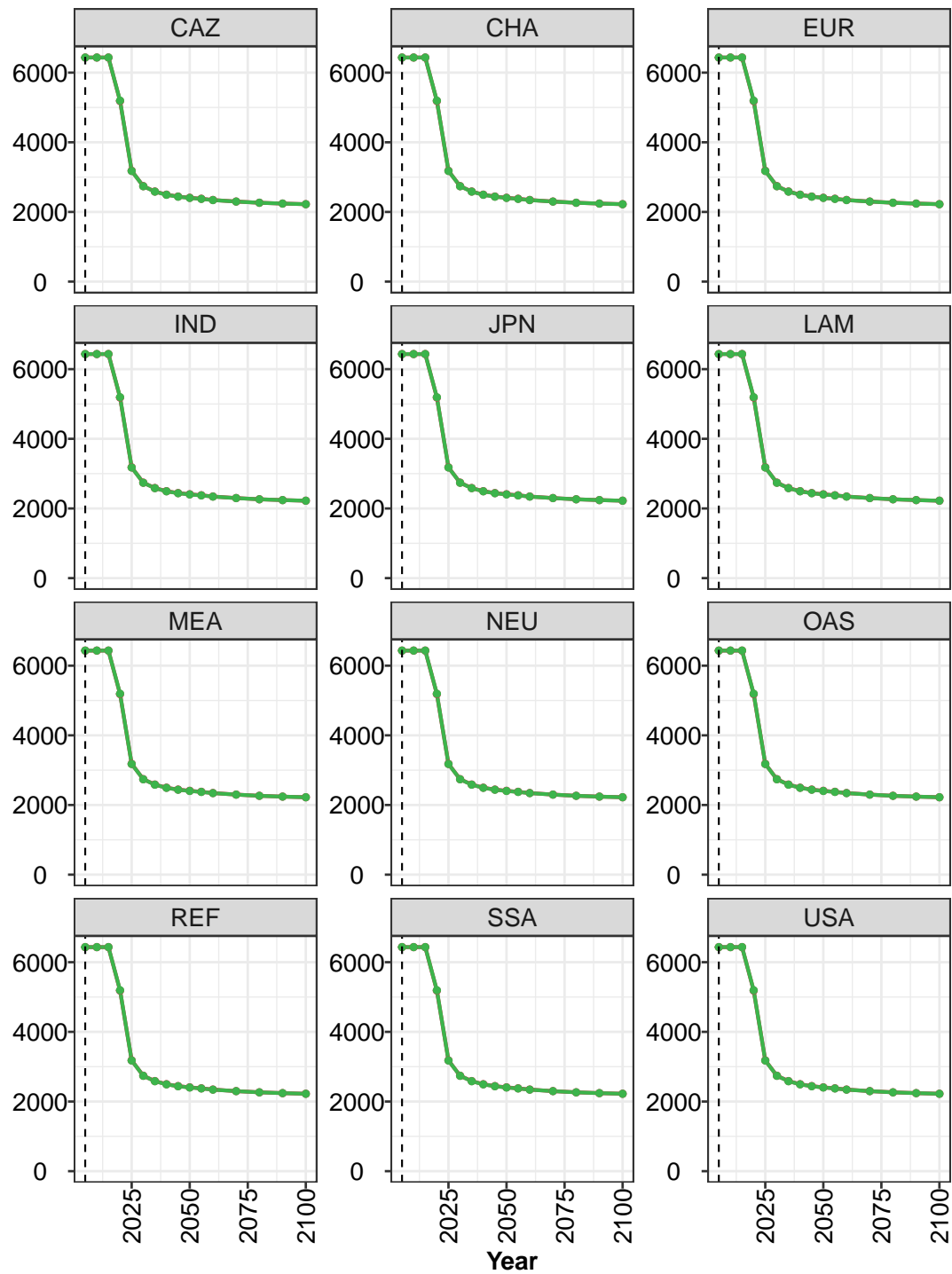
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

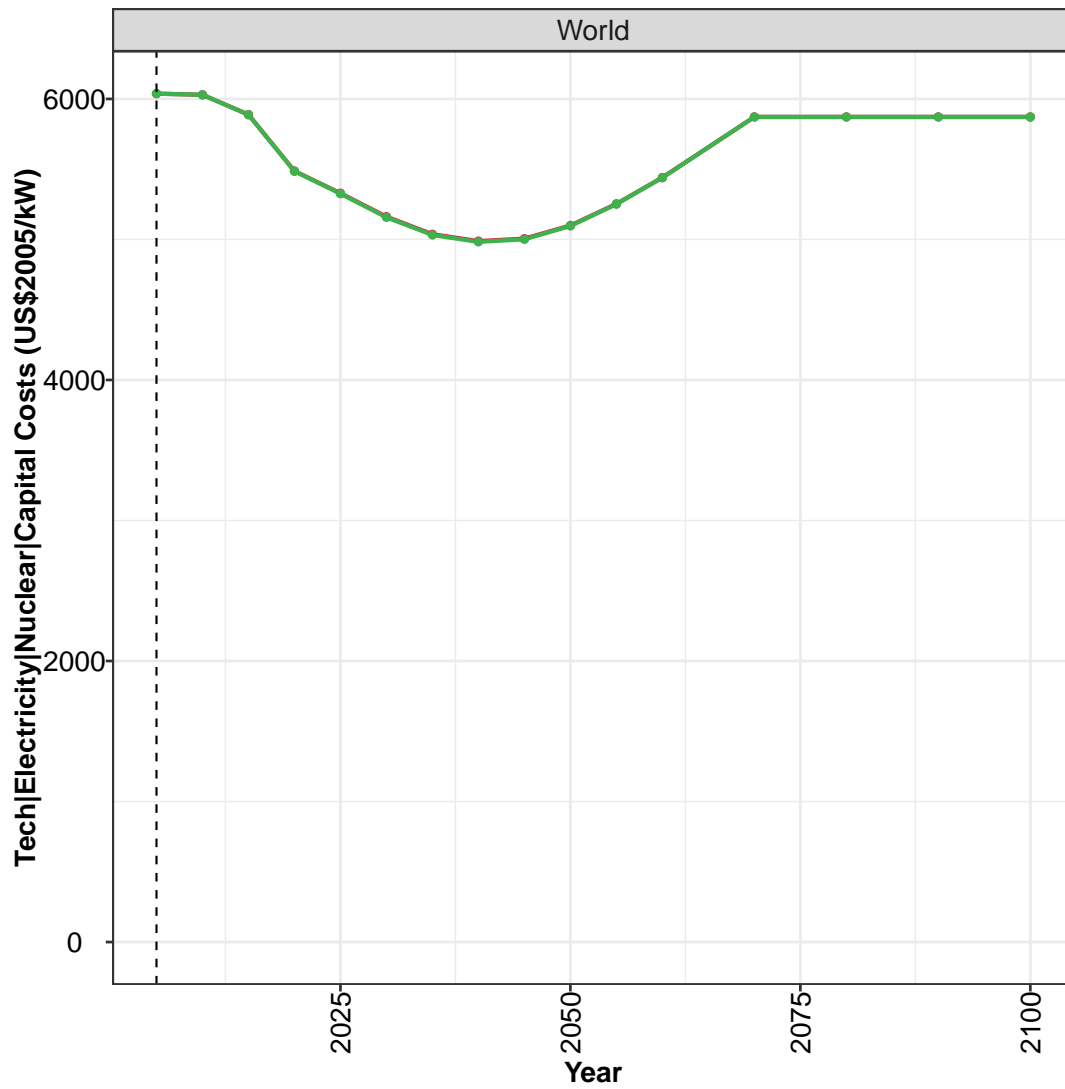




Model: REMIND

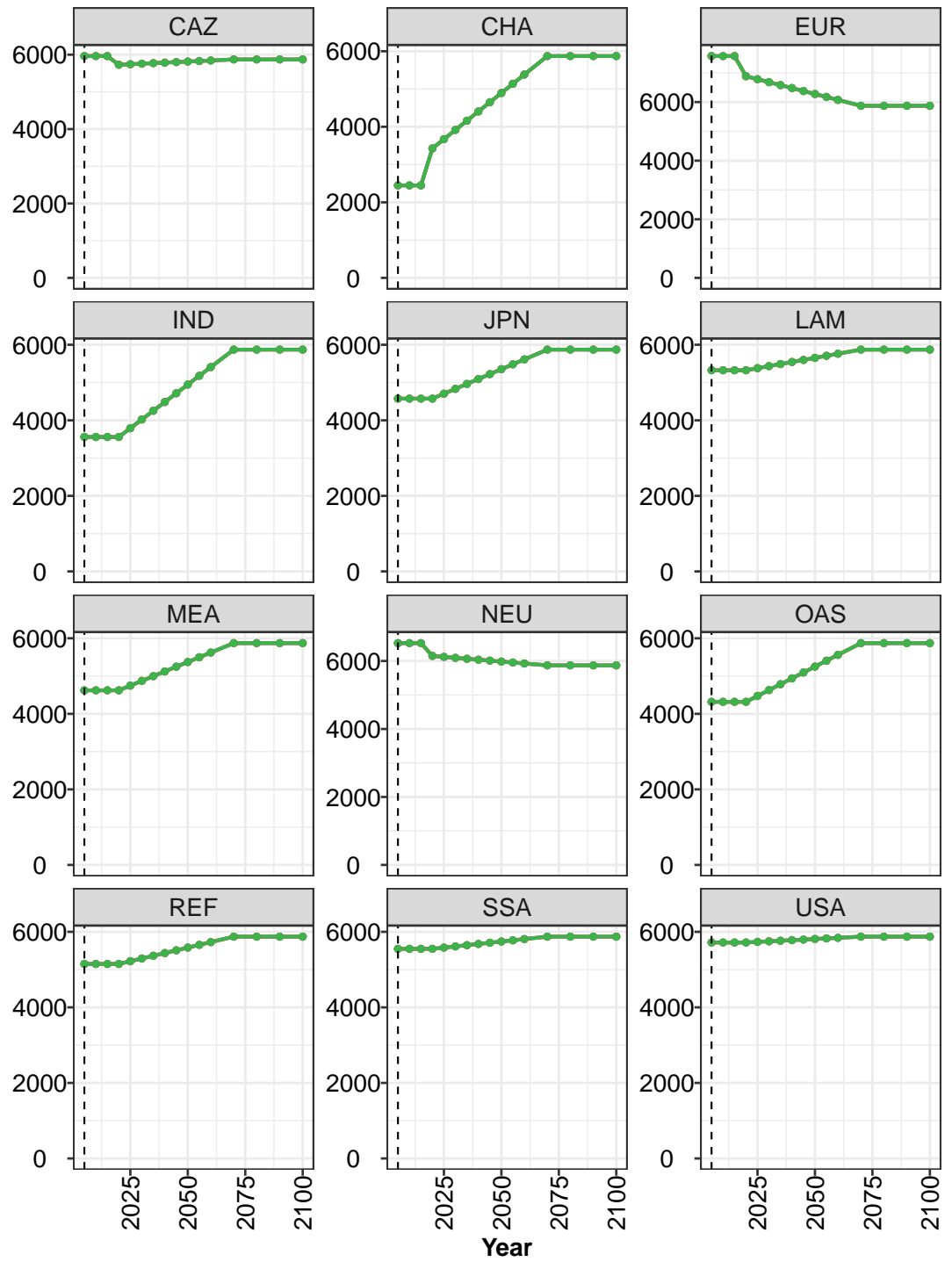
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



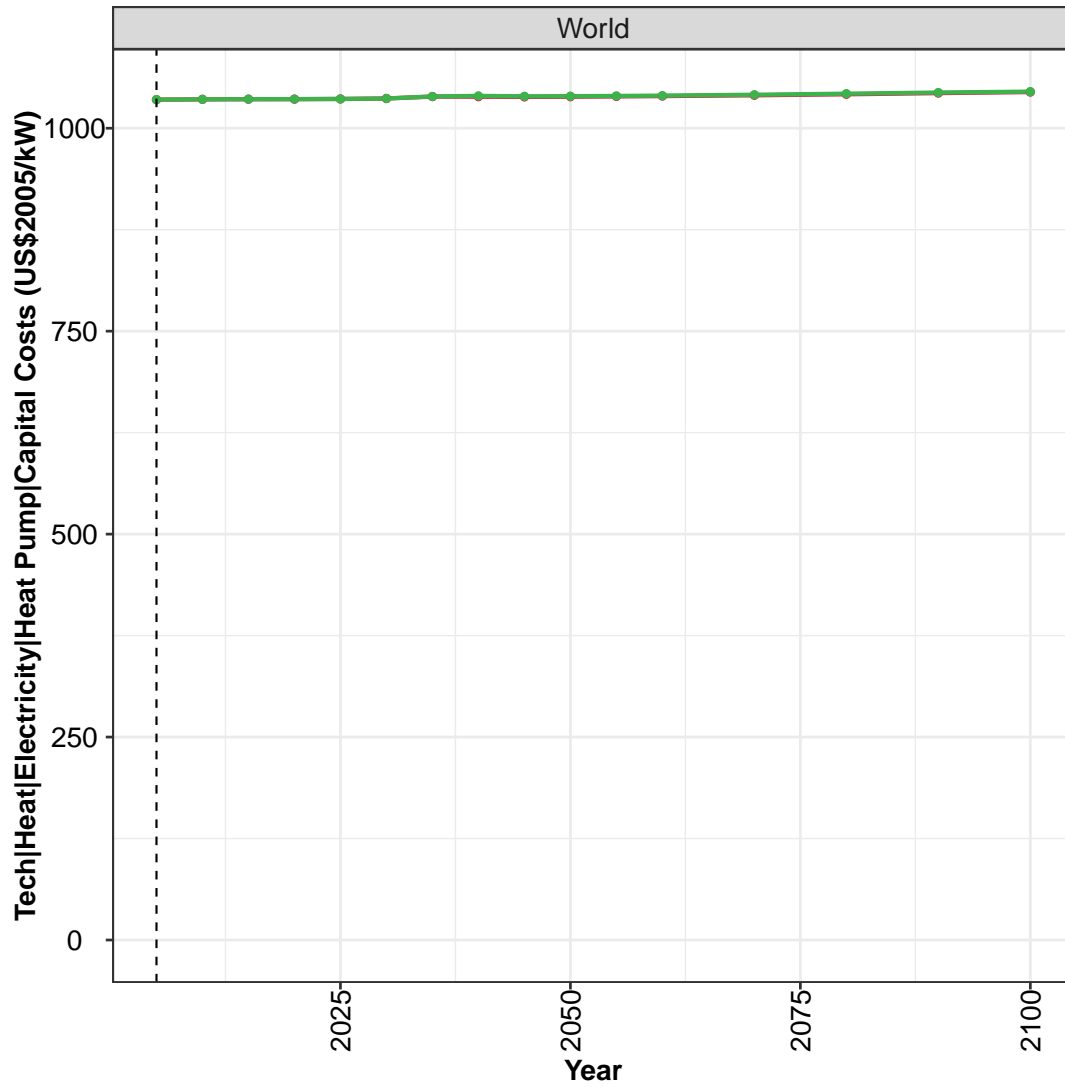


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

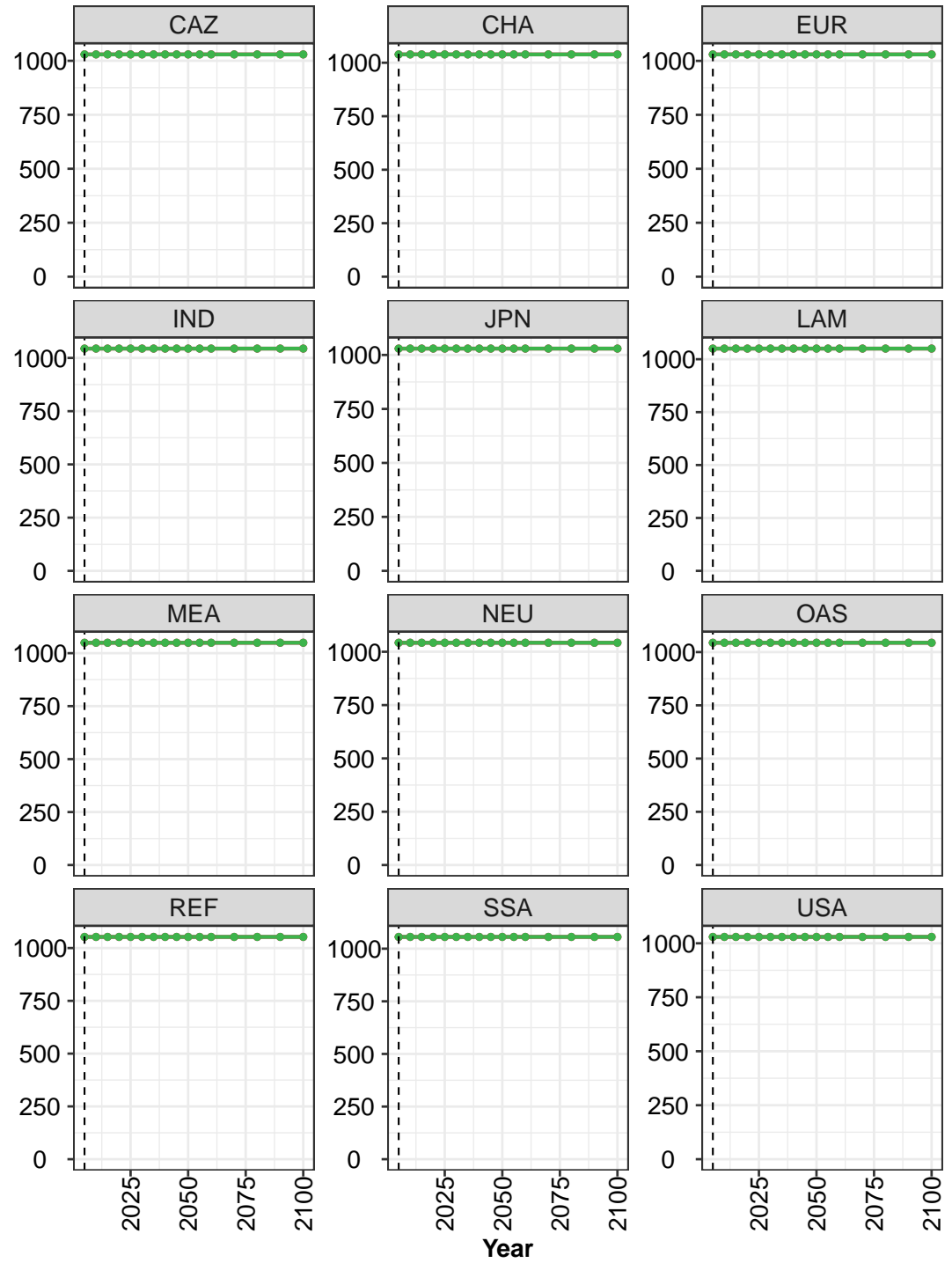


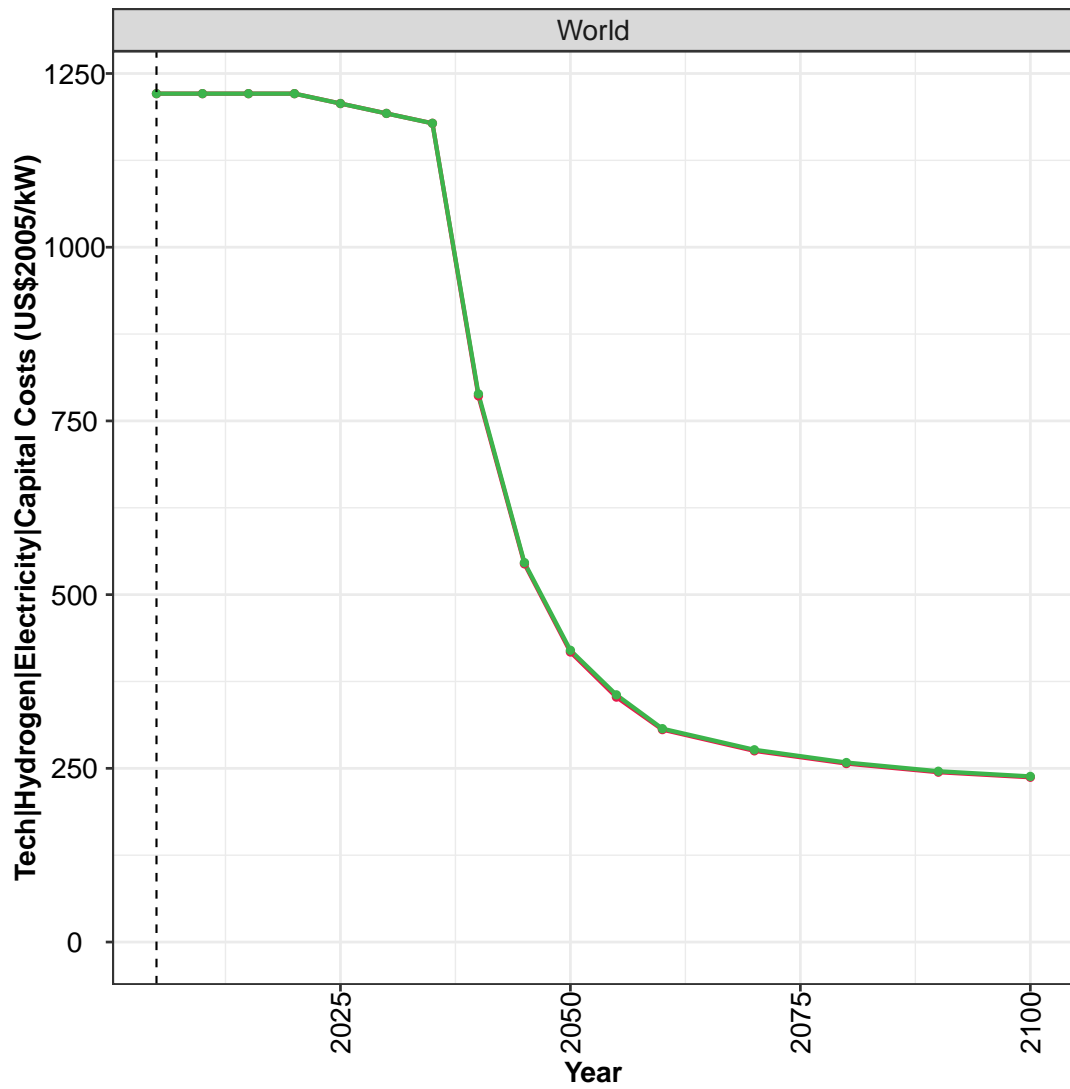
11.1.2 Direct and indirect electrifications



Model: REMIND

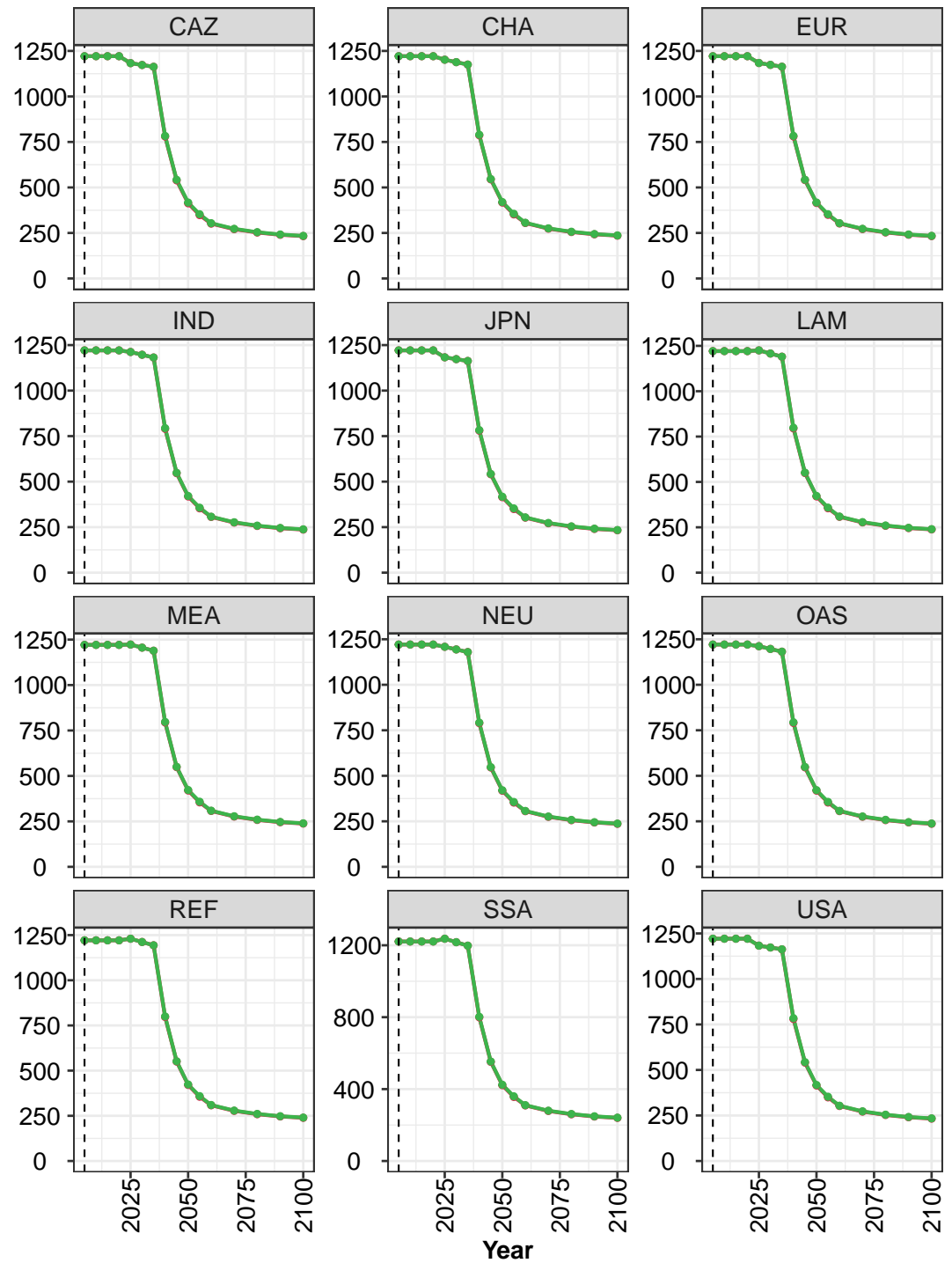
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

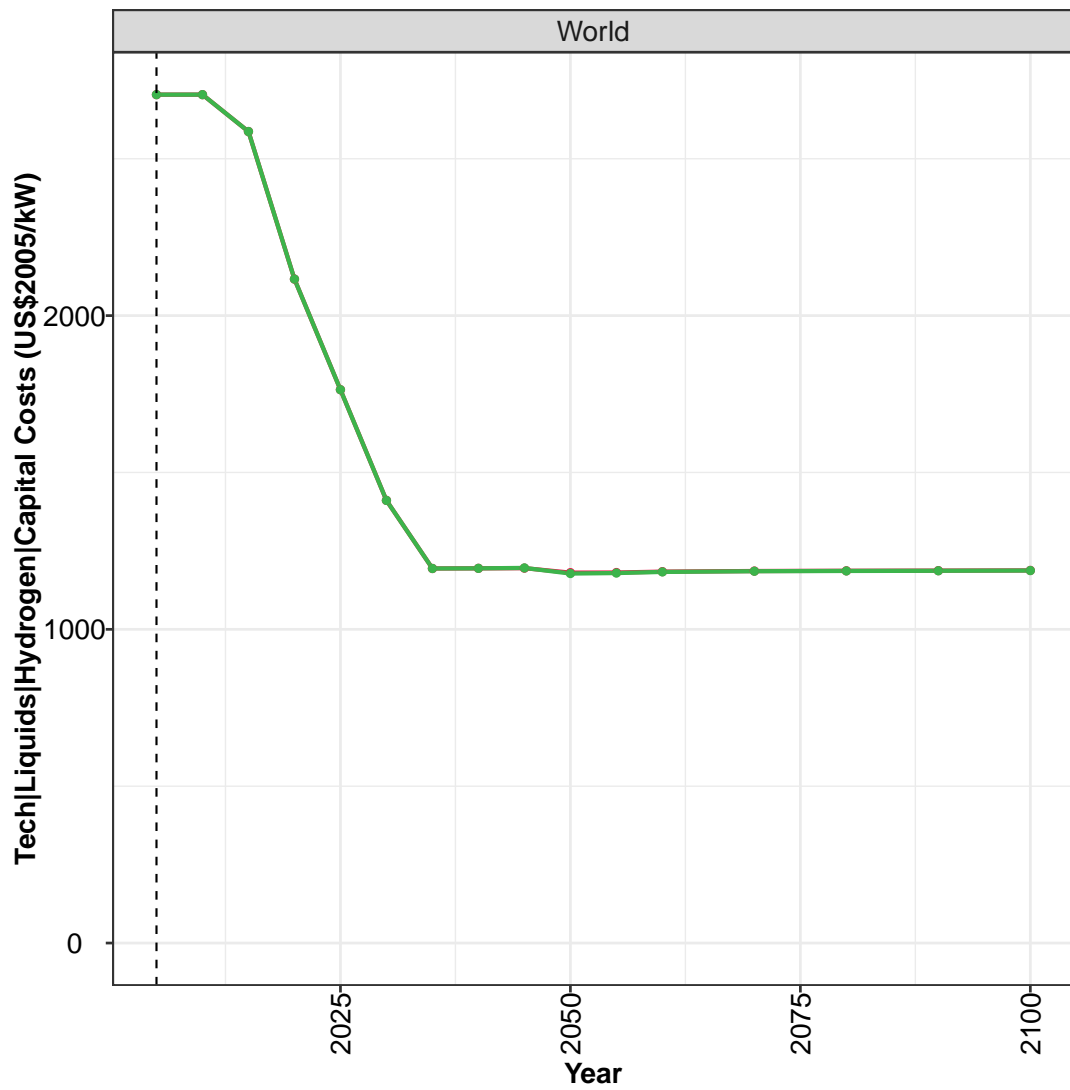




Model: REMIND

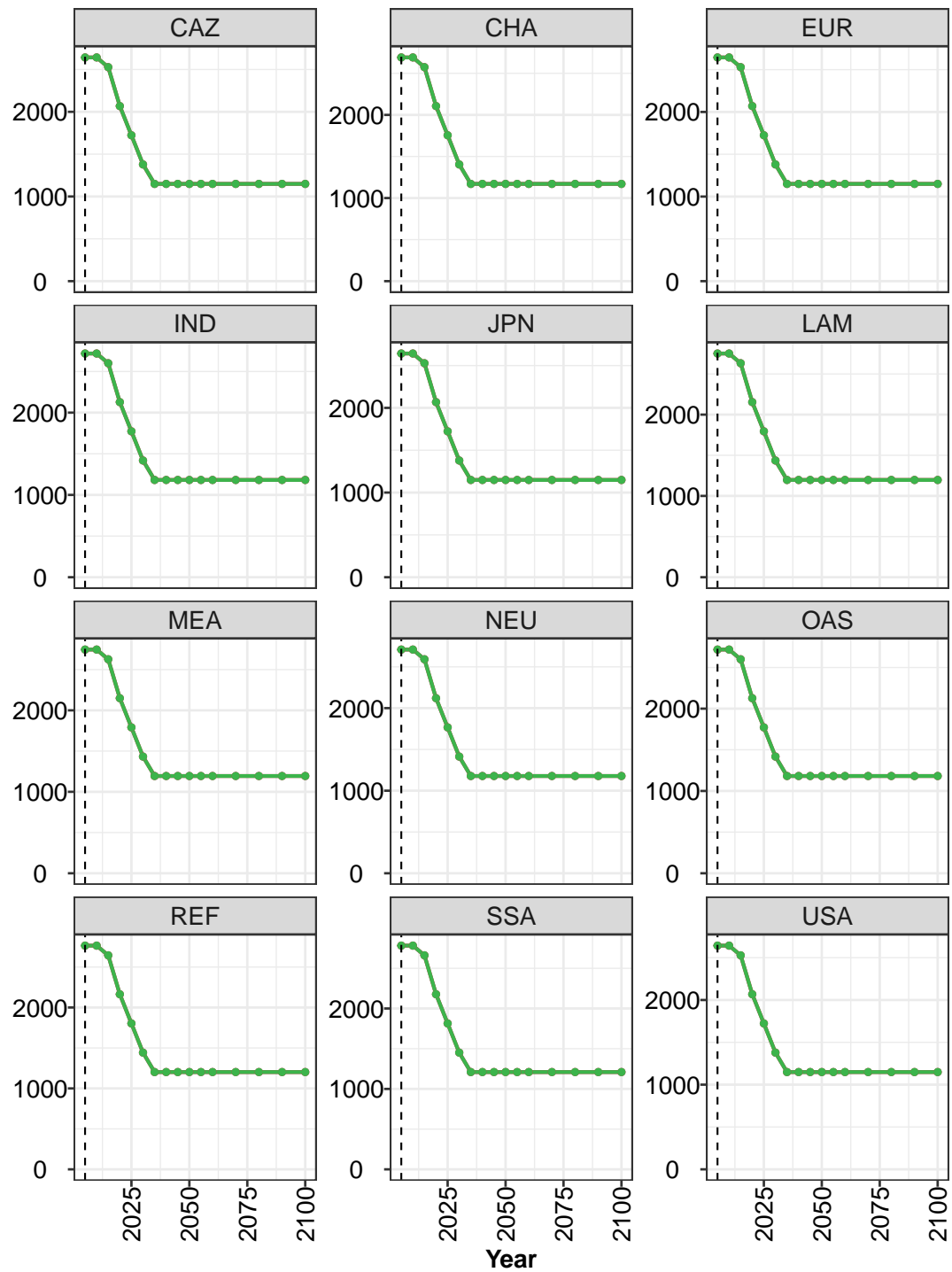
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



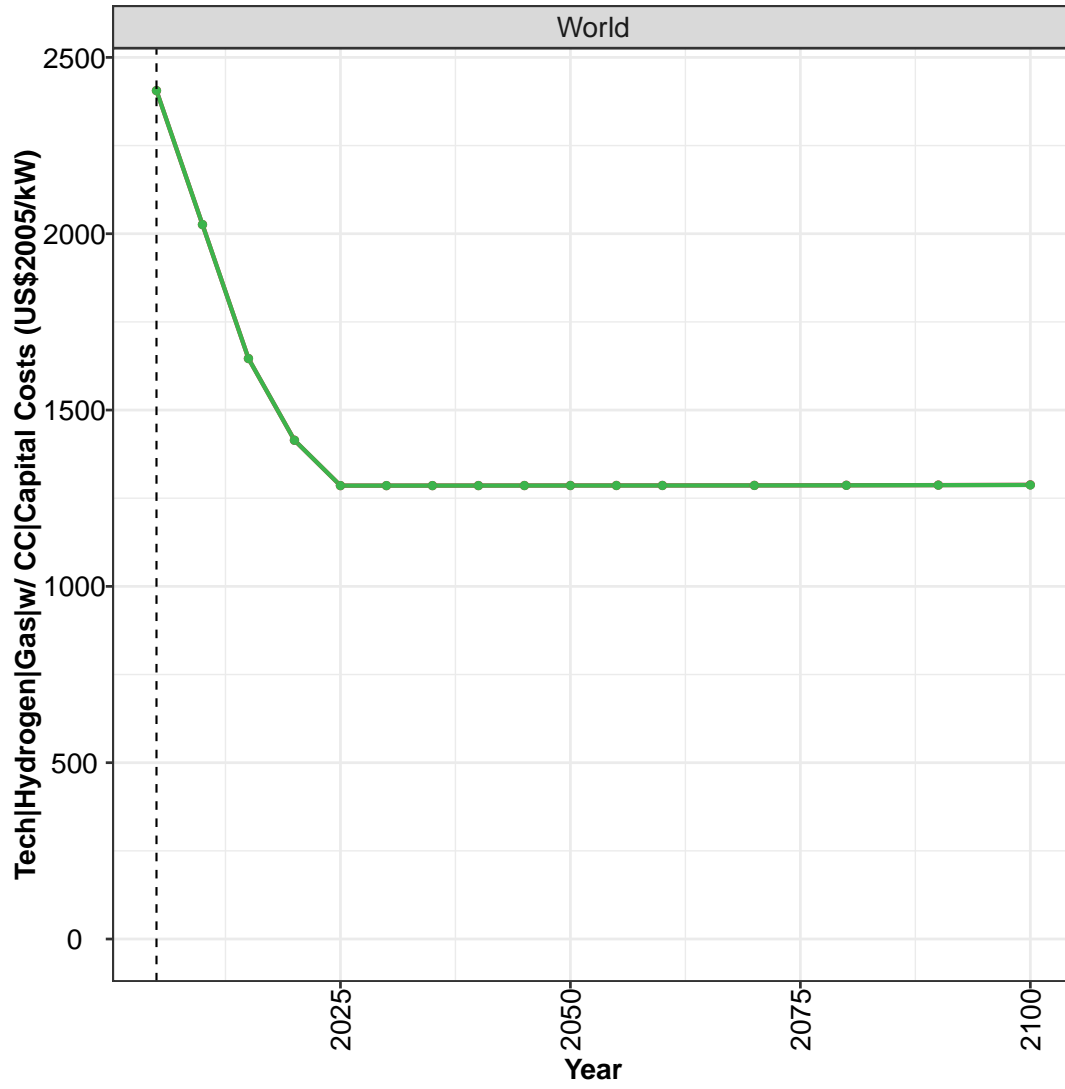


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

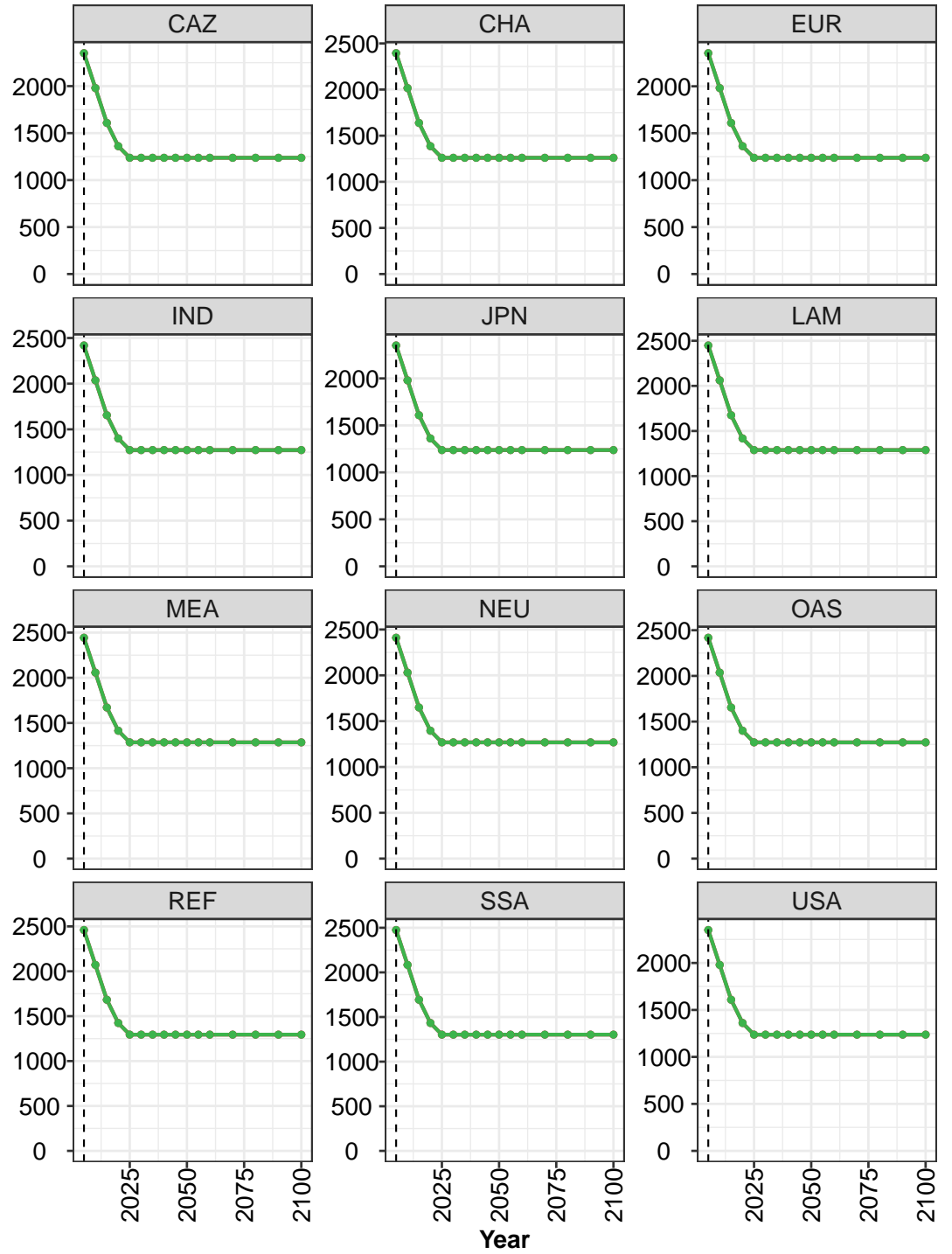


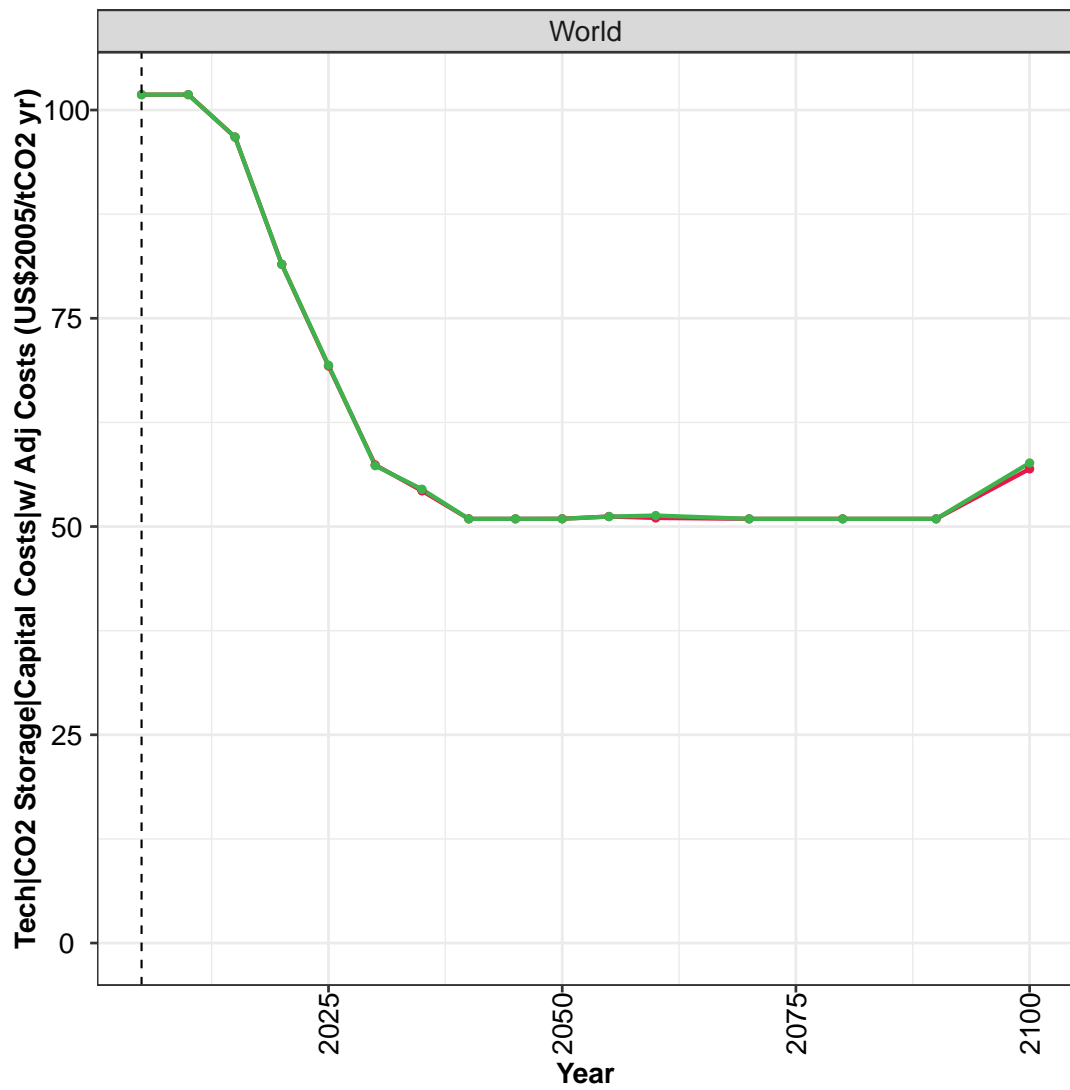
11.1.3 Carbon management technologies



Model: REMIND

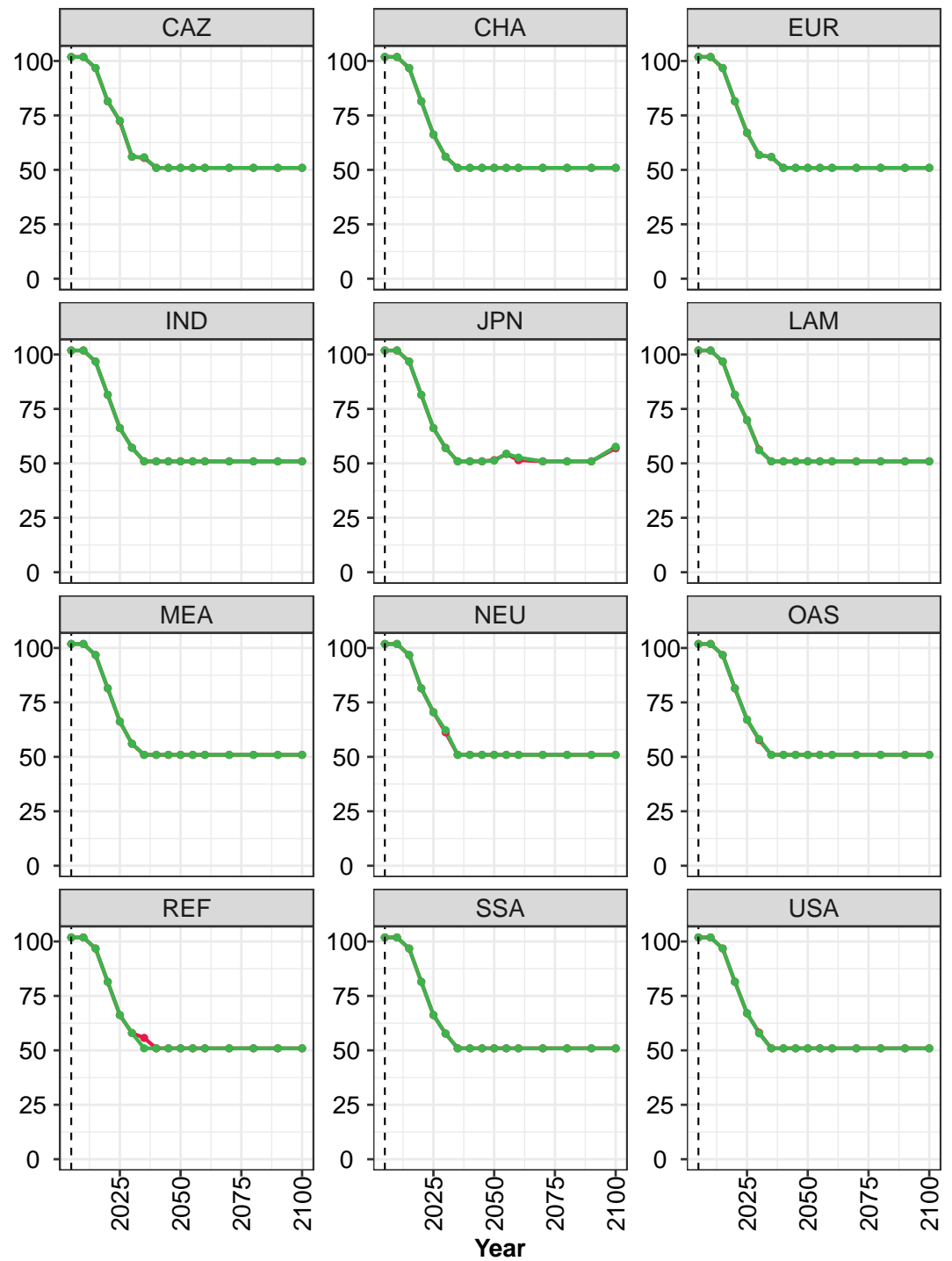
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

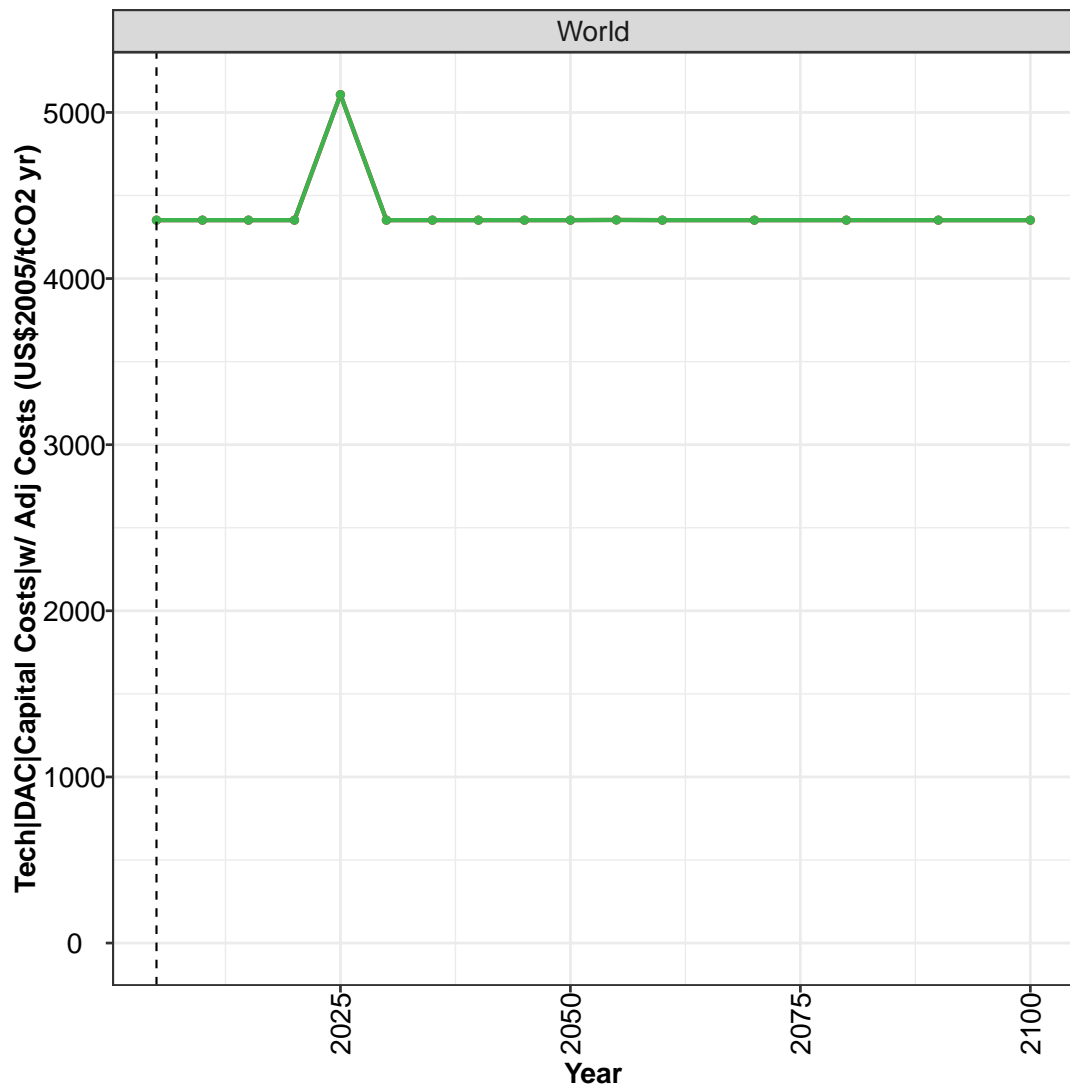




Model: REMIND

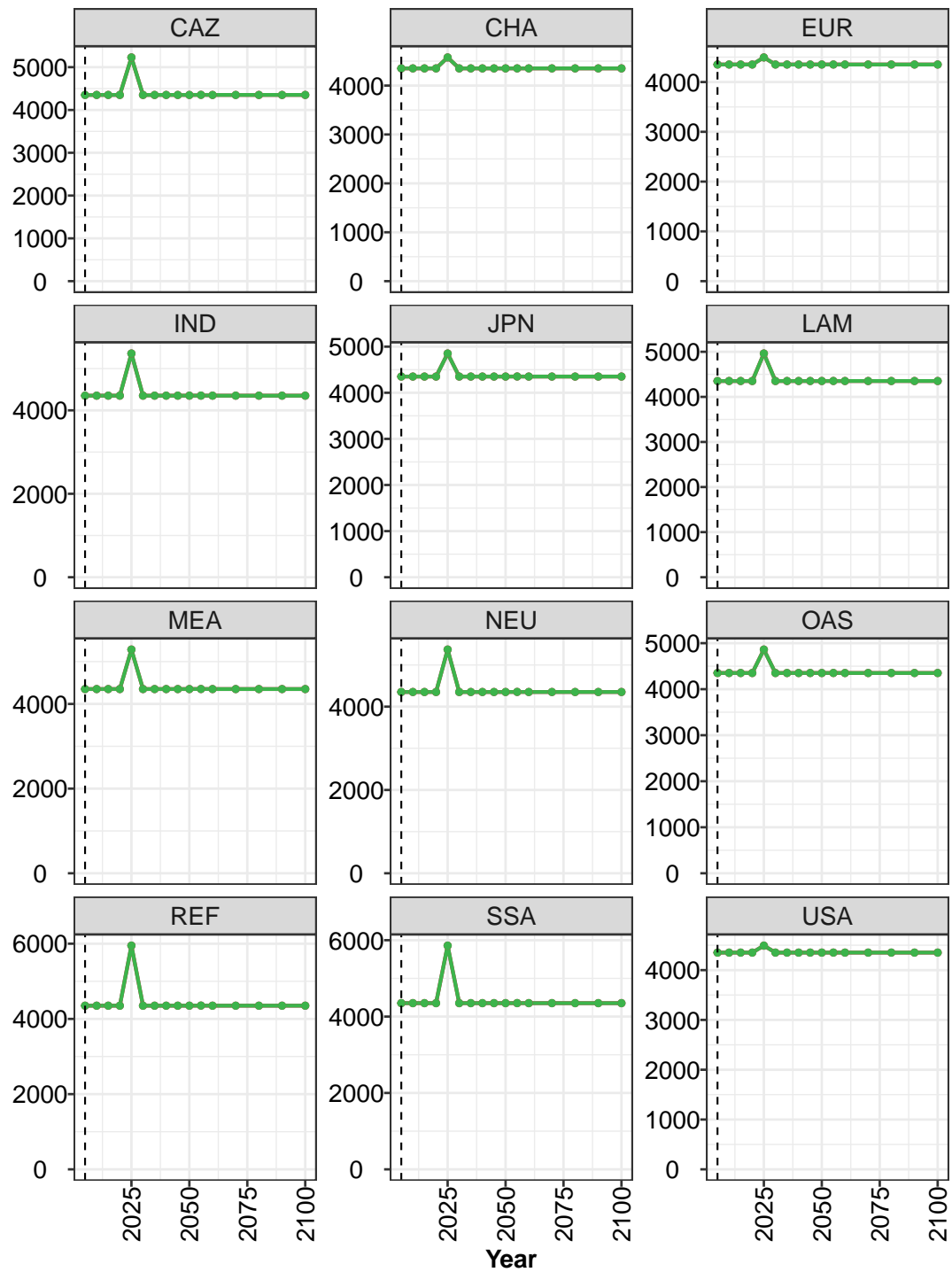
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



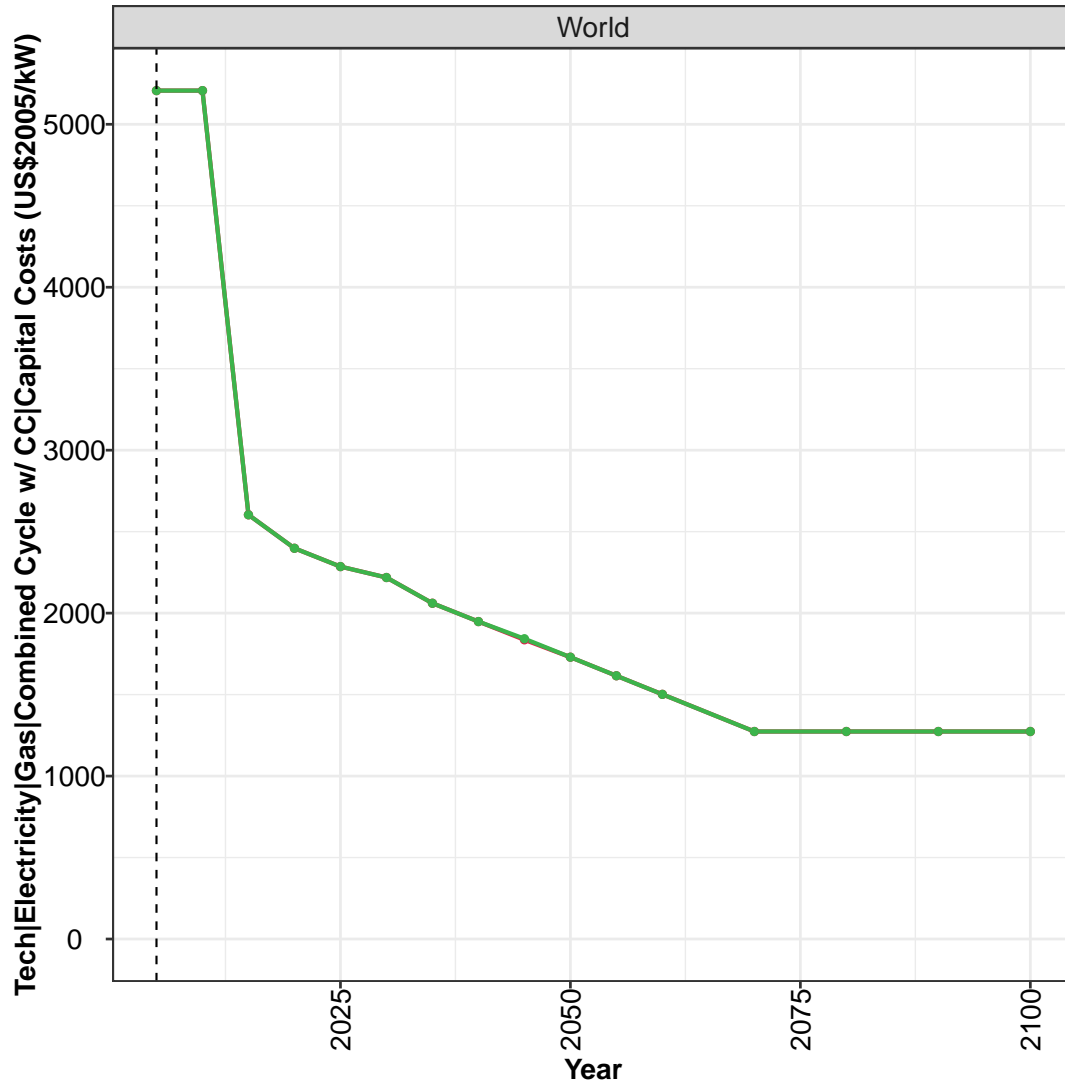


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

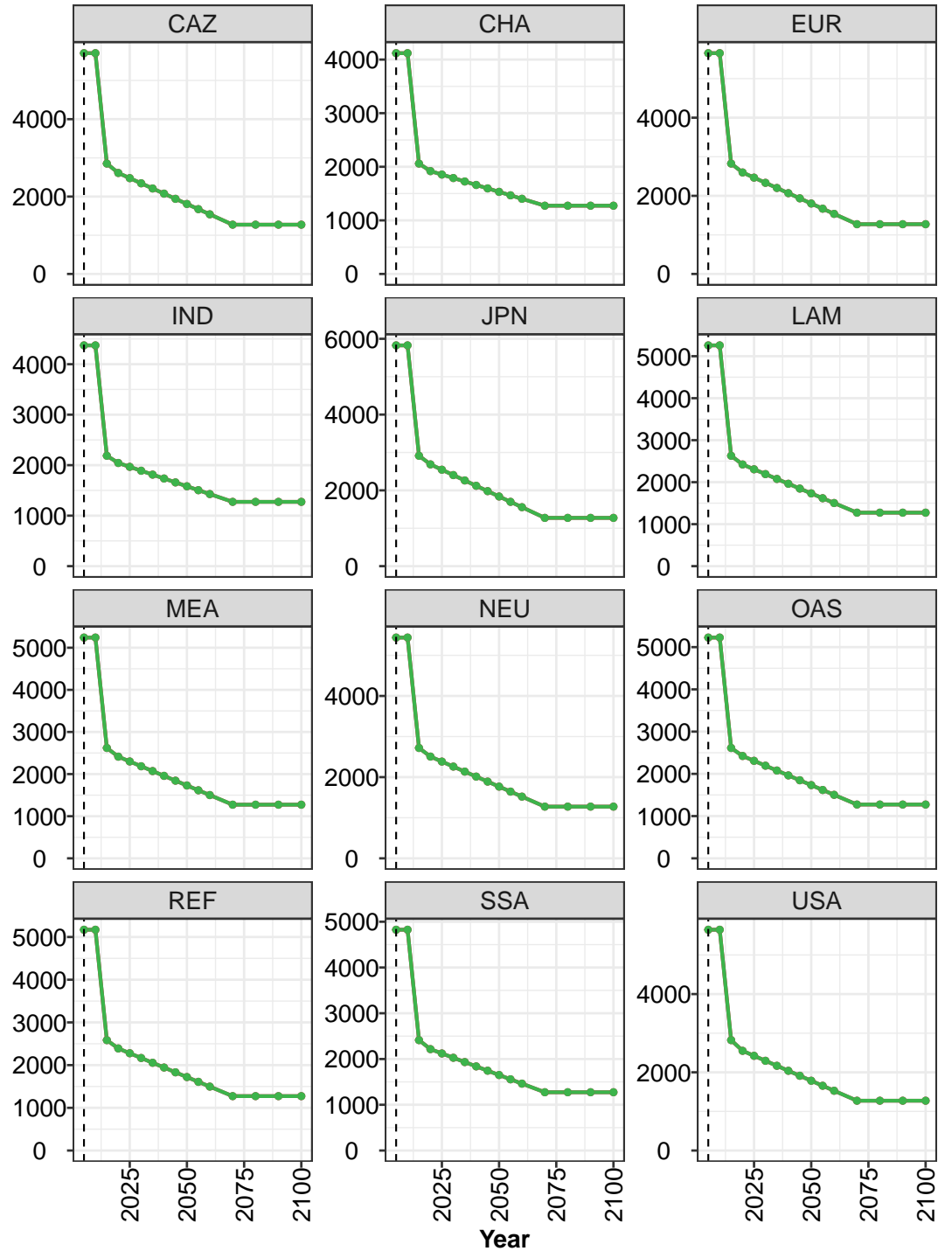


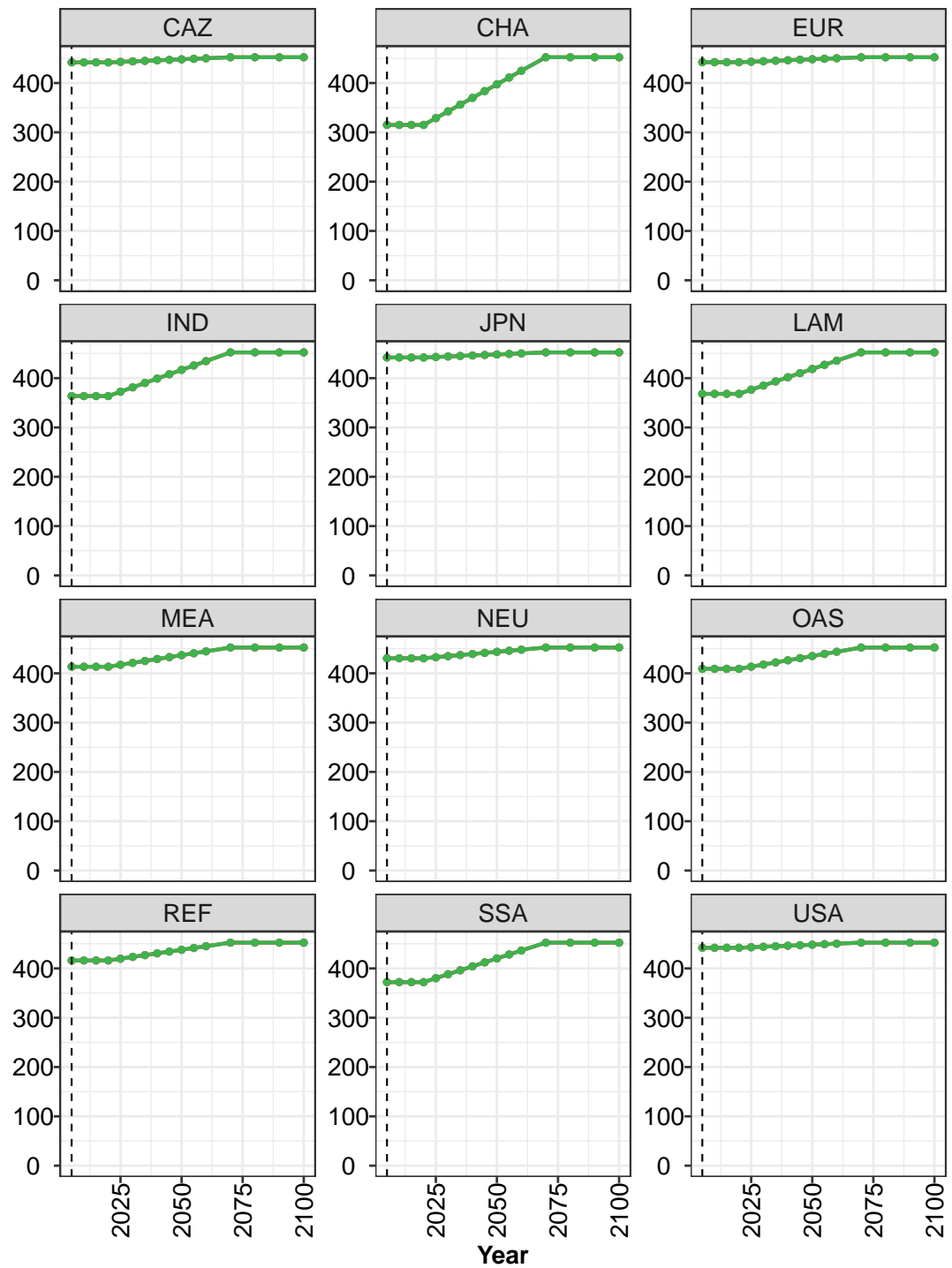
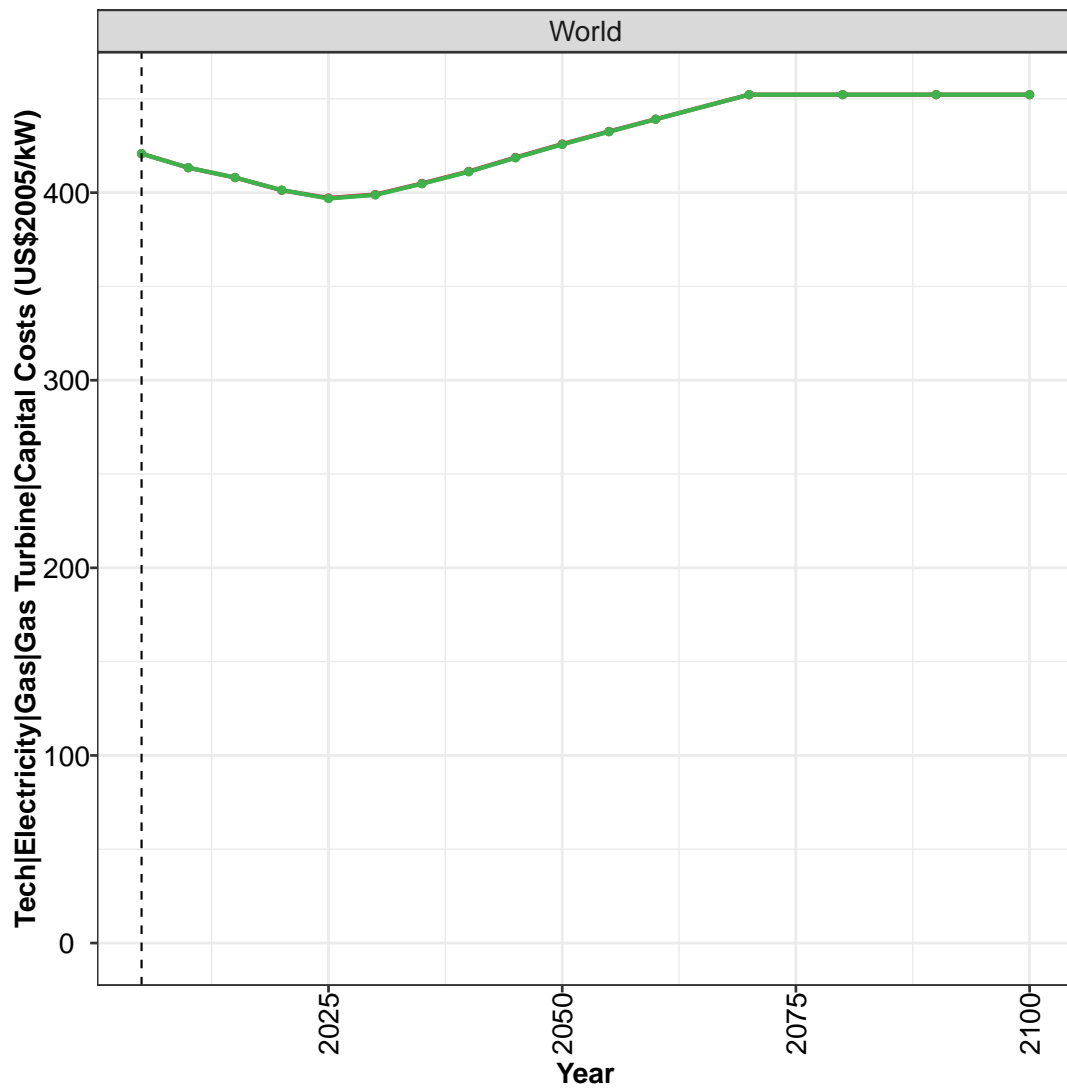
11.1.4 Gas technologies



Model: REMIND

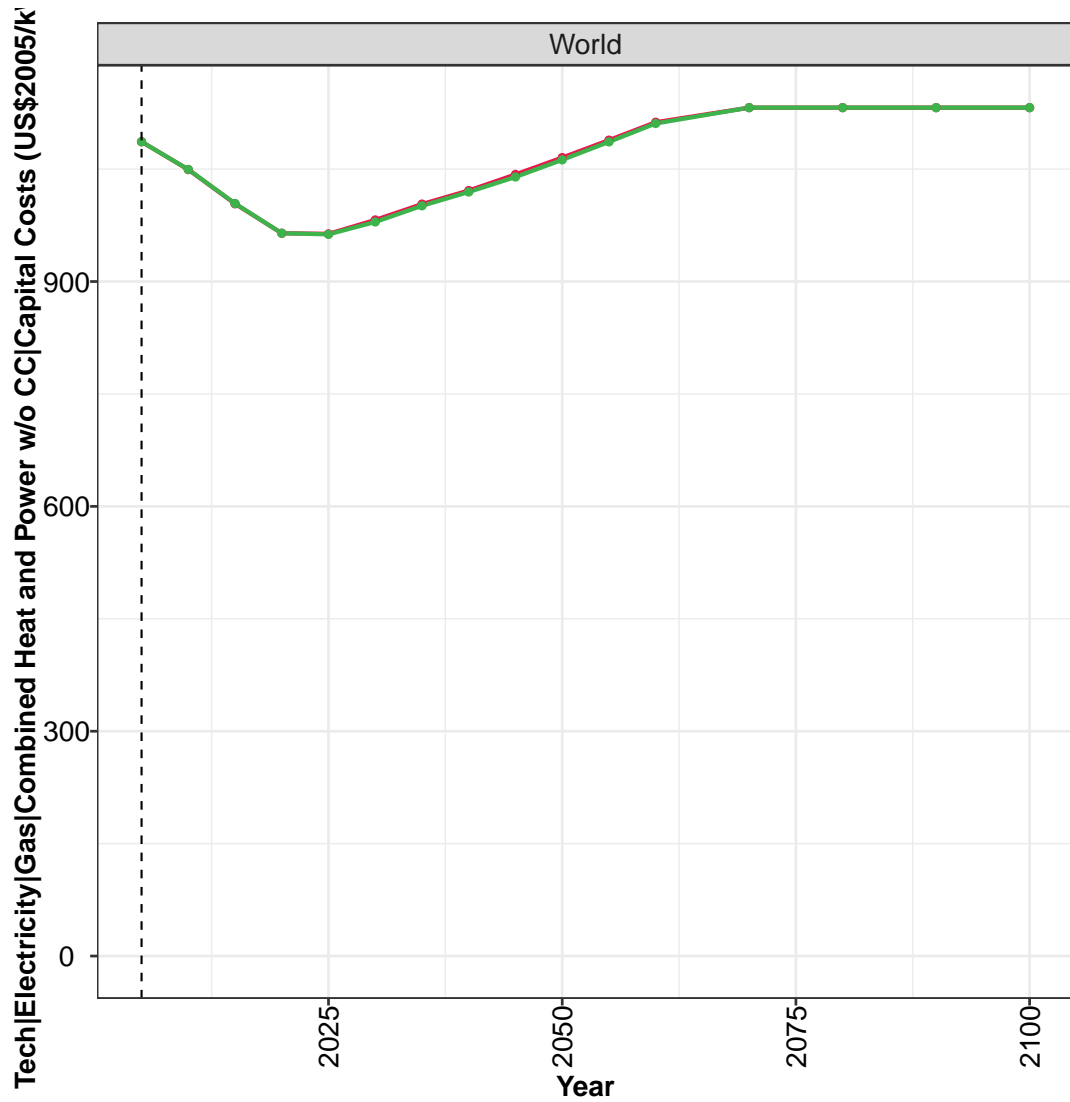
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix





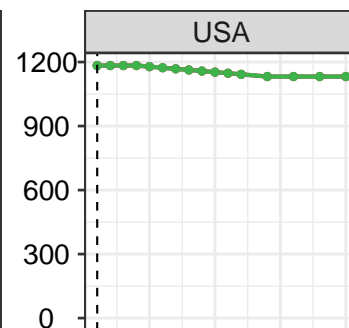
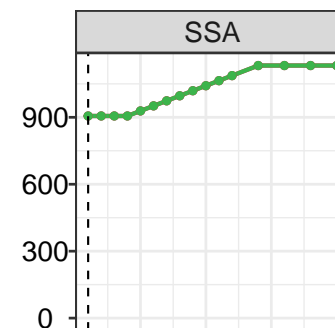
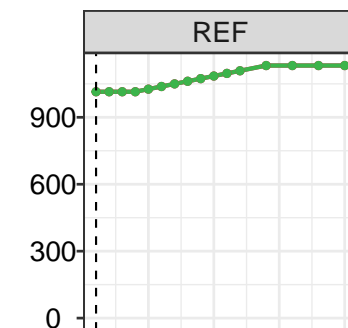
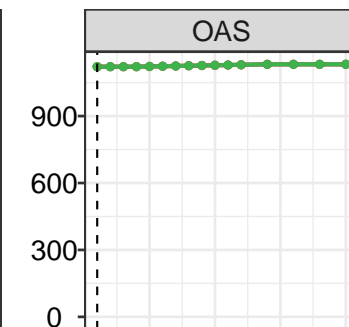
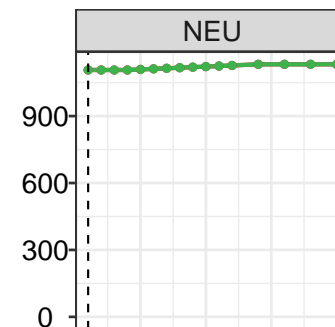
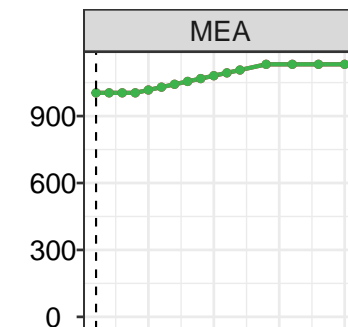
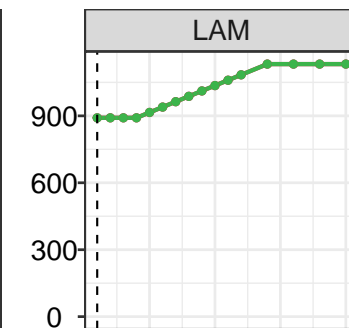
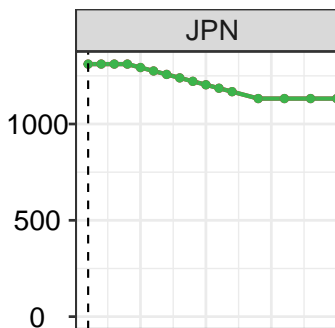
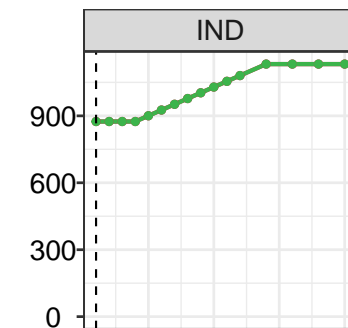
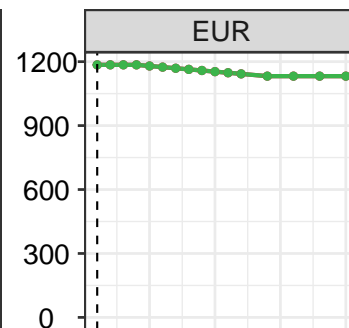
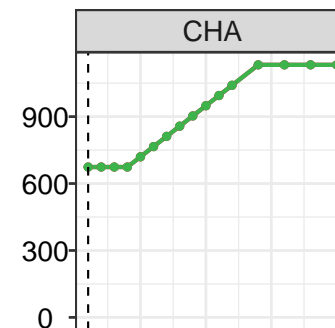
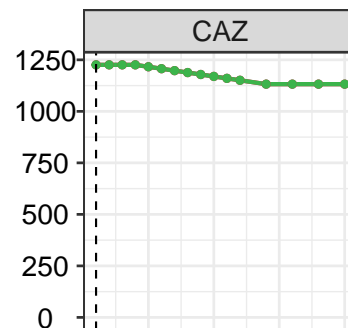
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



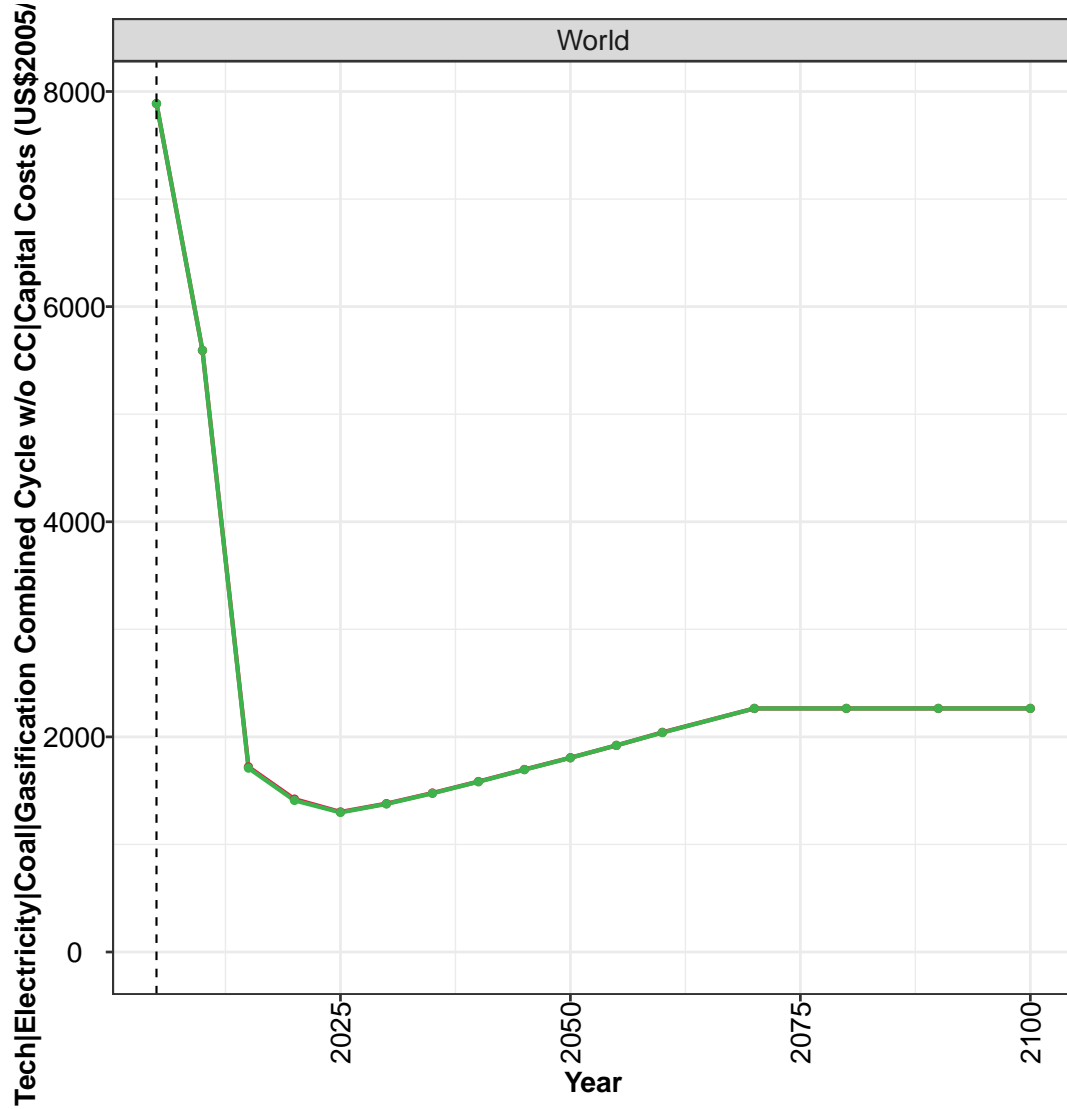
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



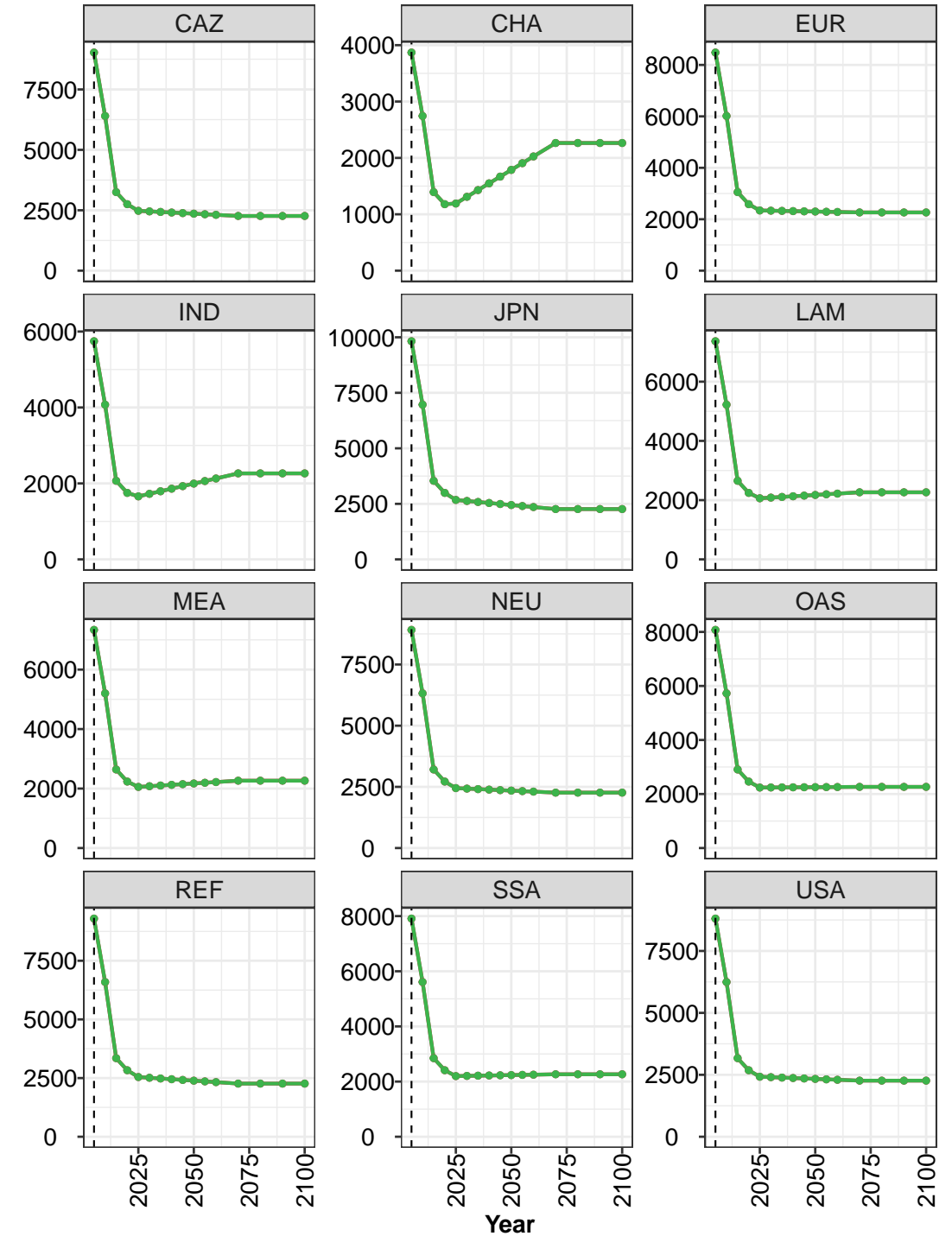
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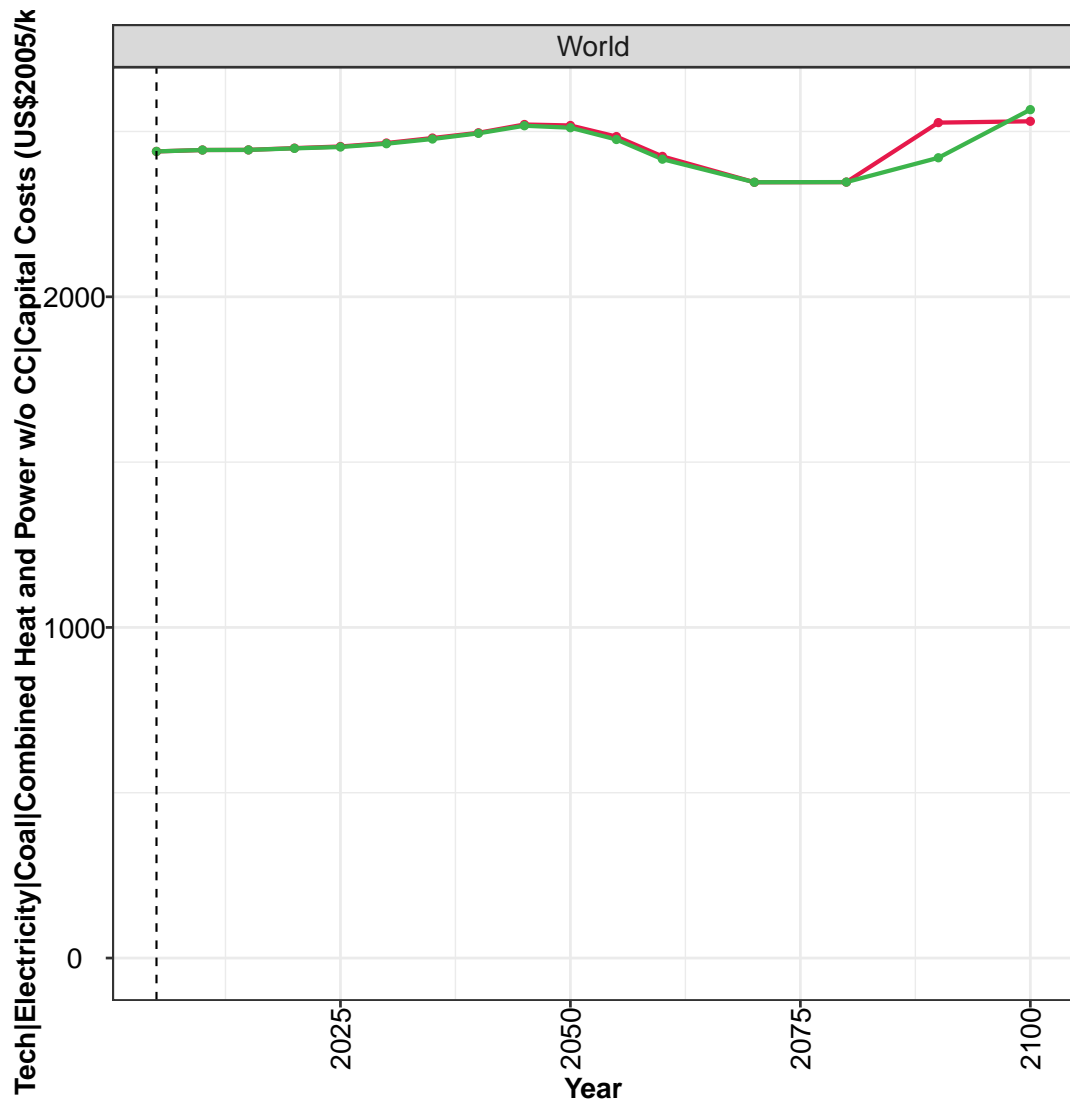
11.1.5 Coal technologies



Model: REMIND

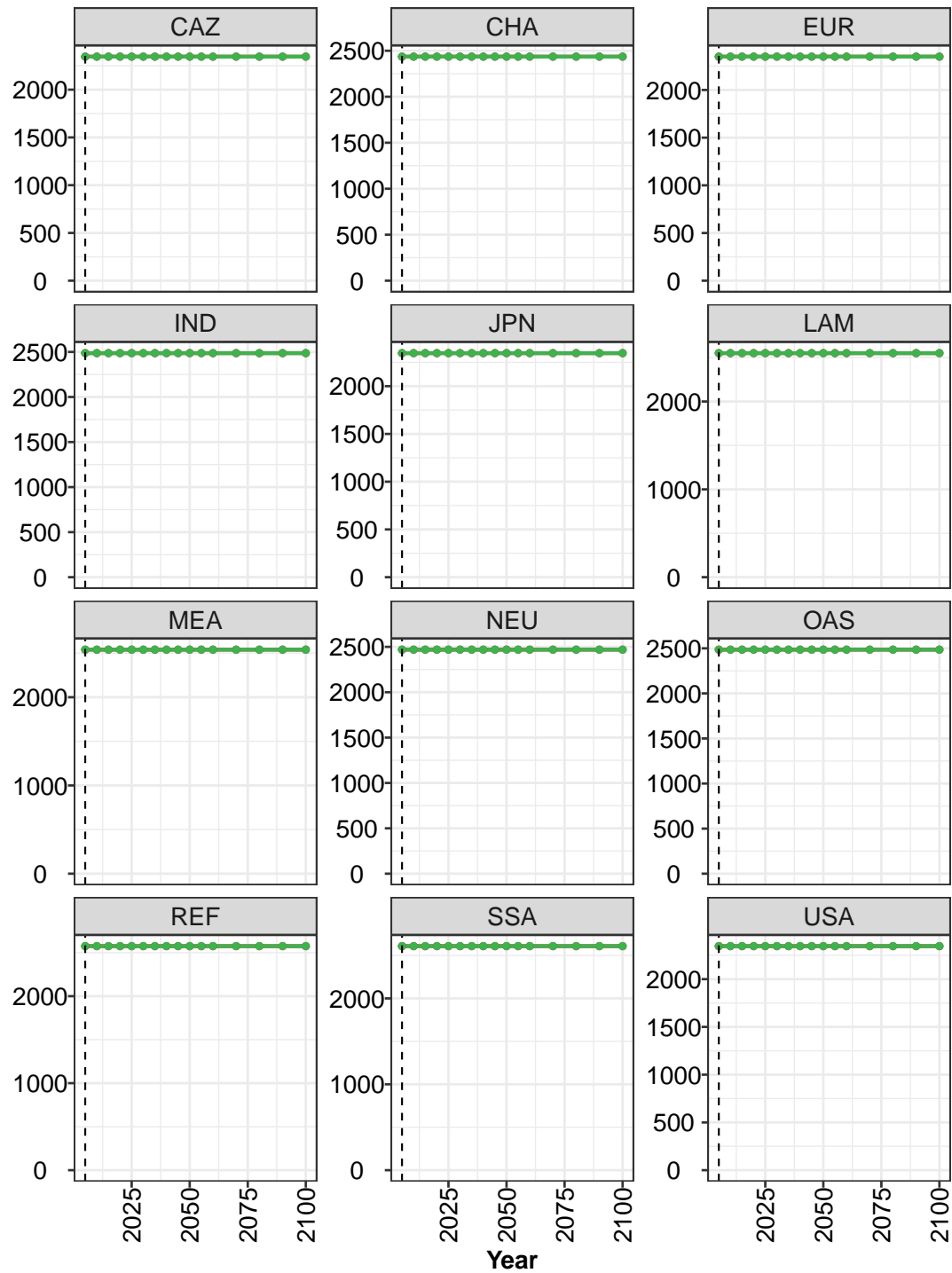
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

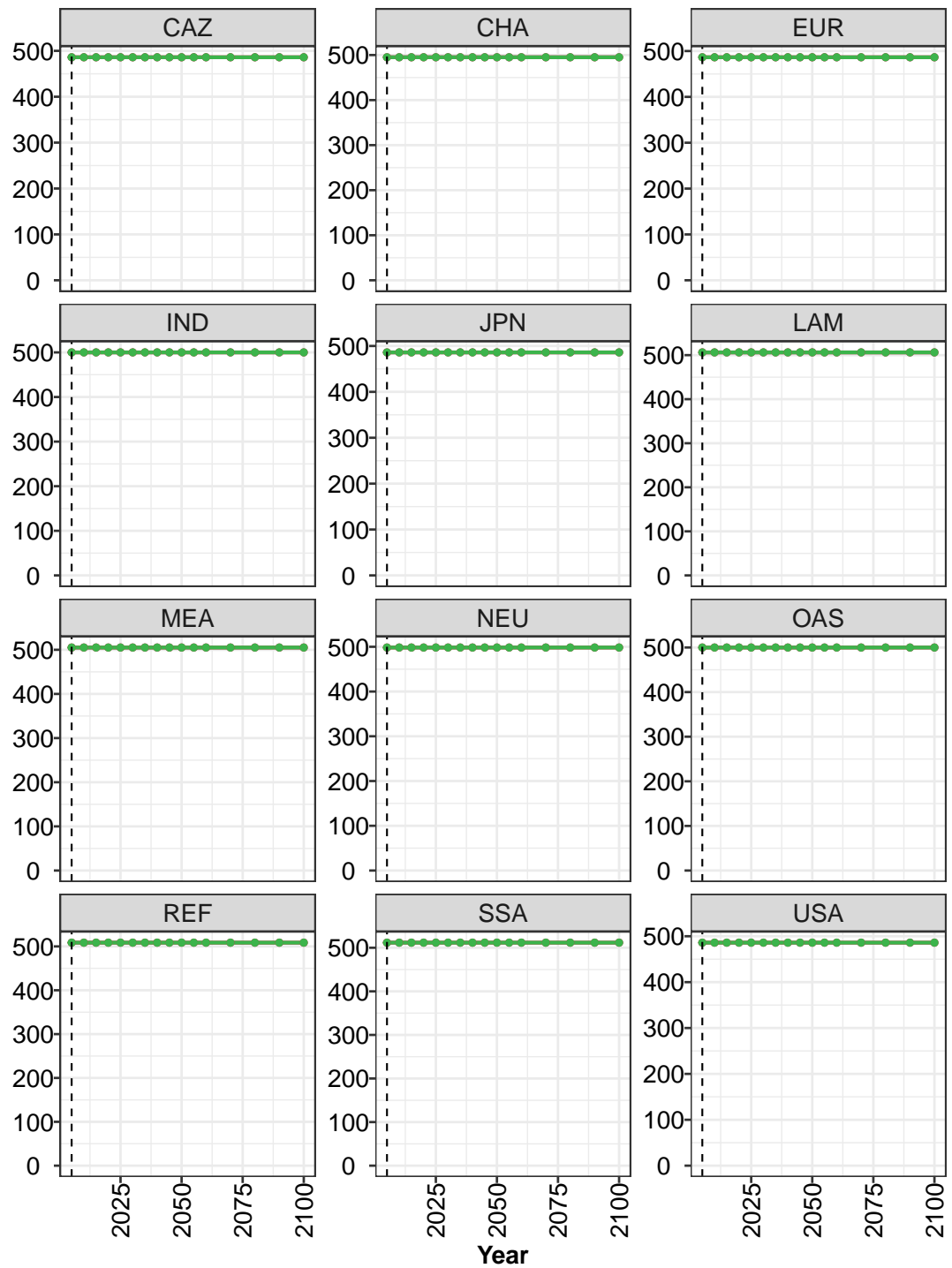
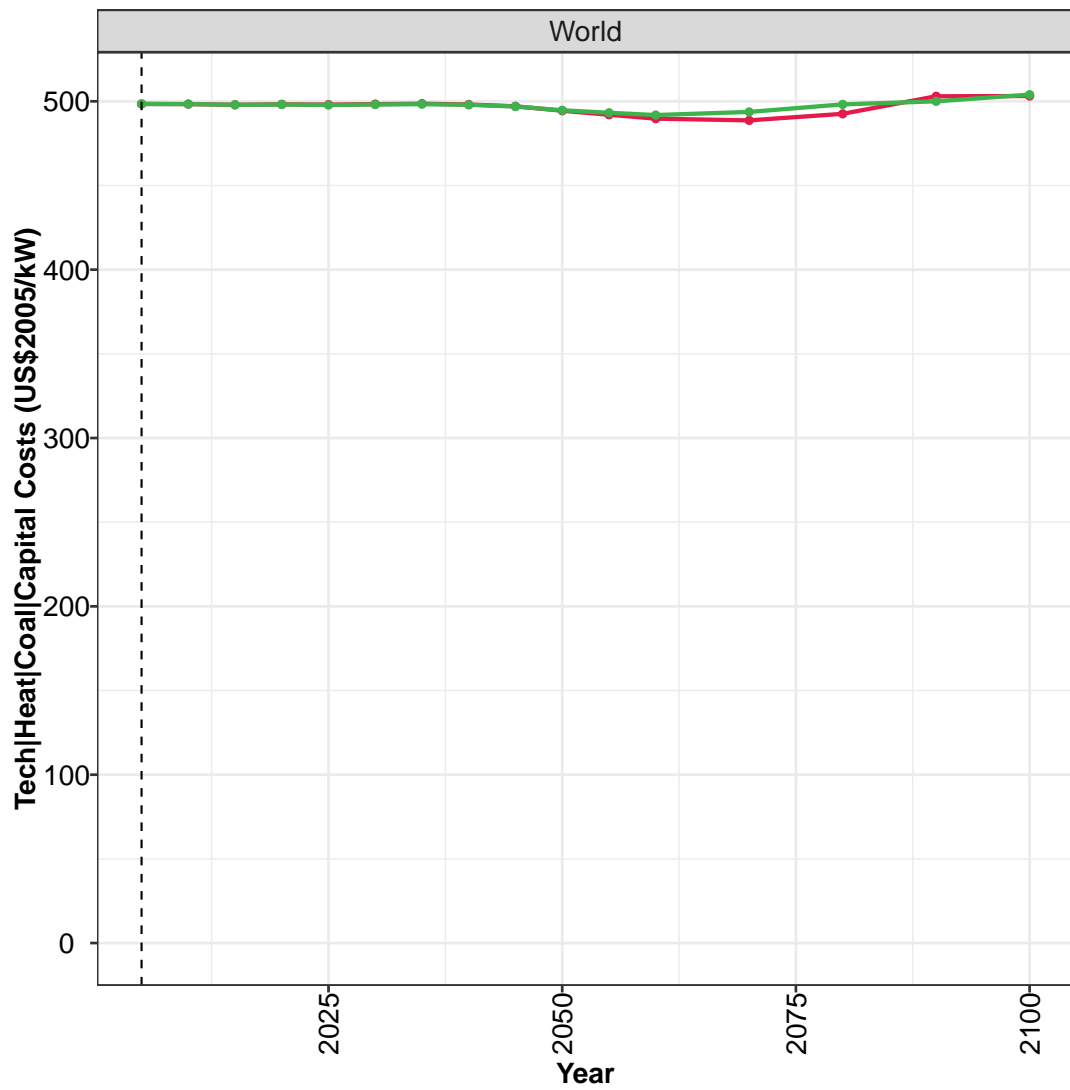




Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



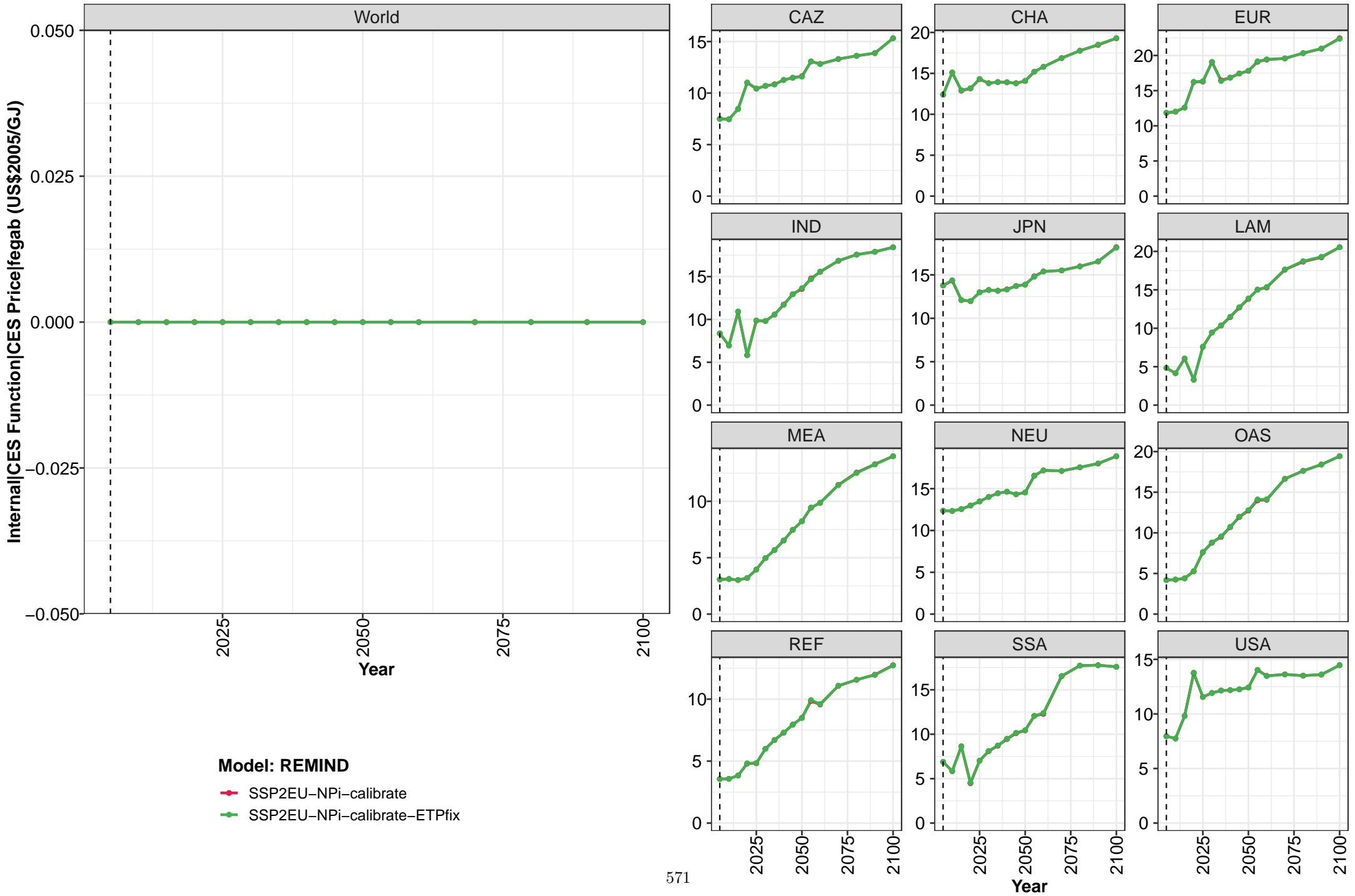


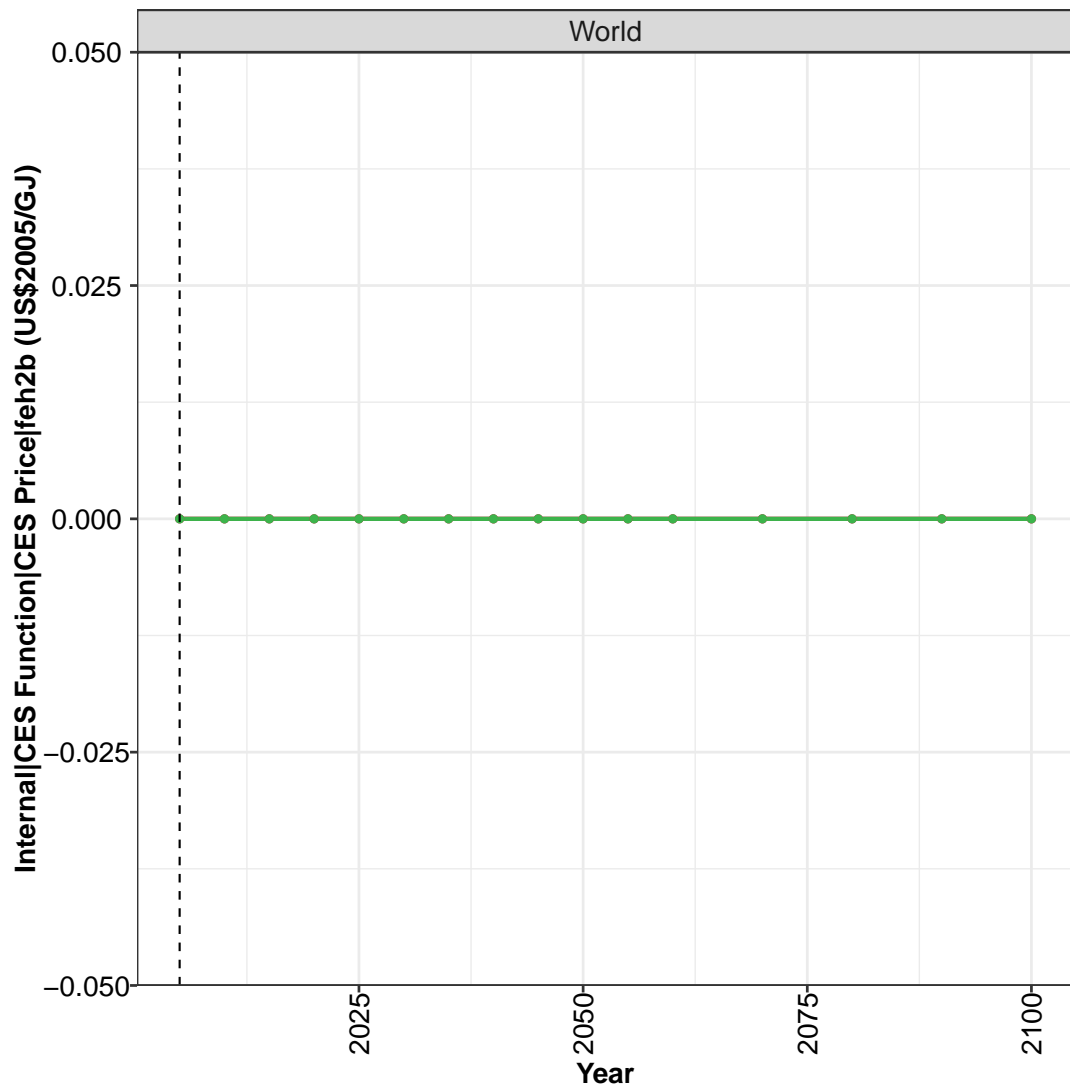
Model: REMIND

- ◆ SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

12.1 CES Prices (CES Derivatives)

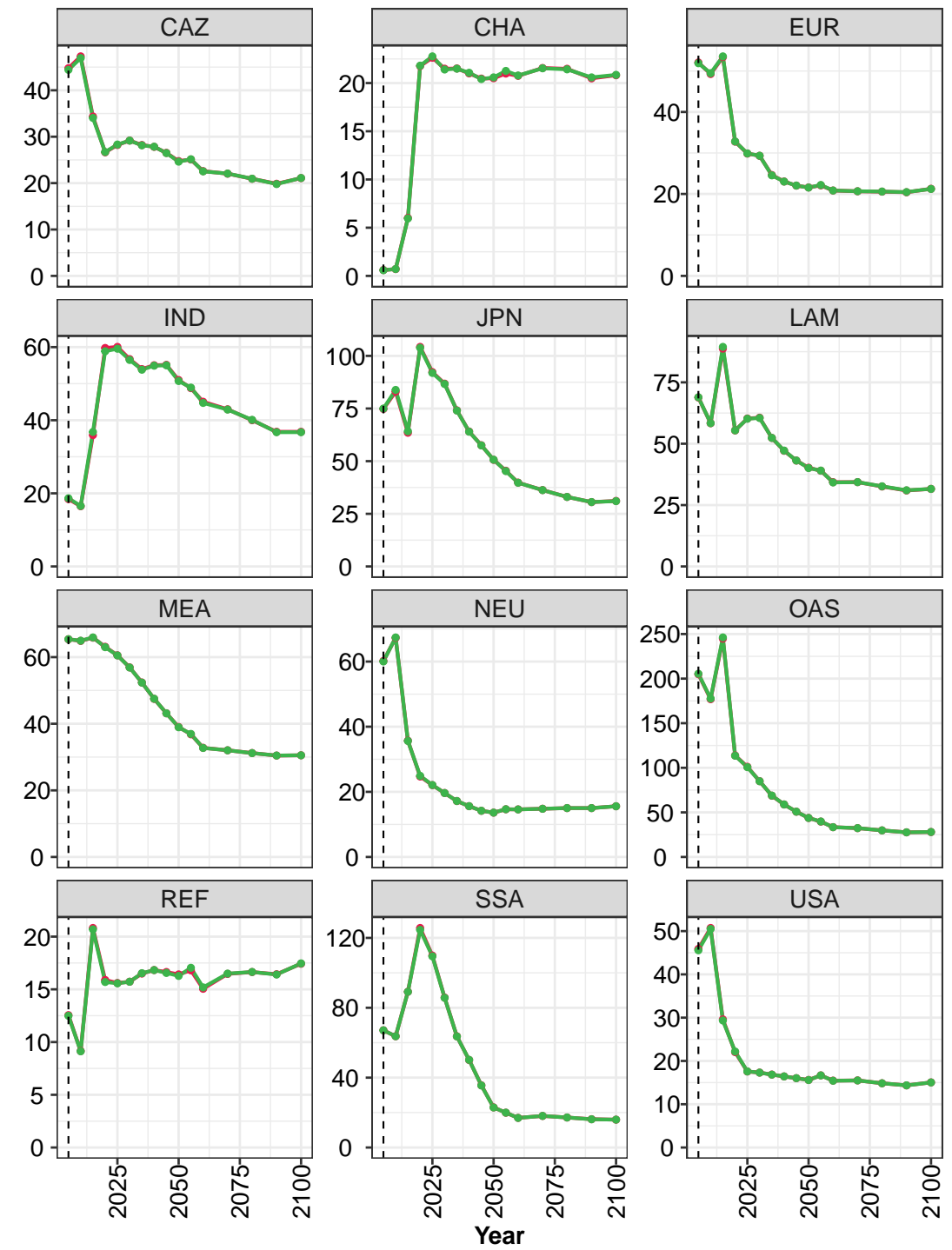
12.1.1 Buildings

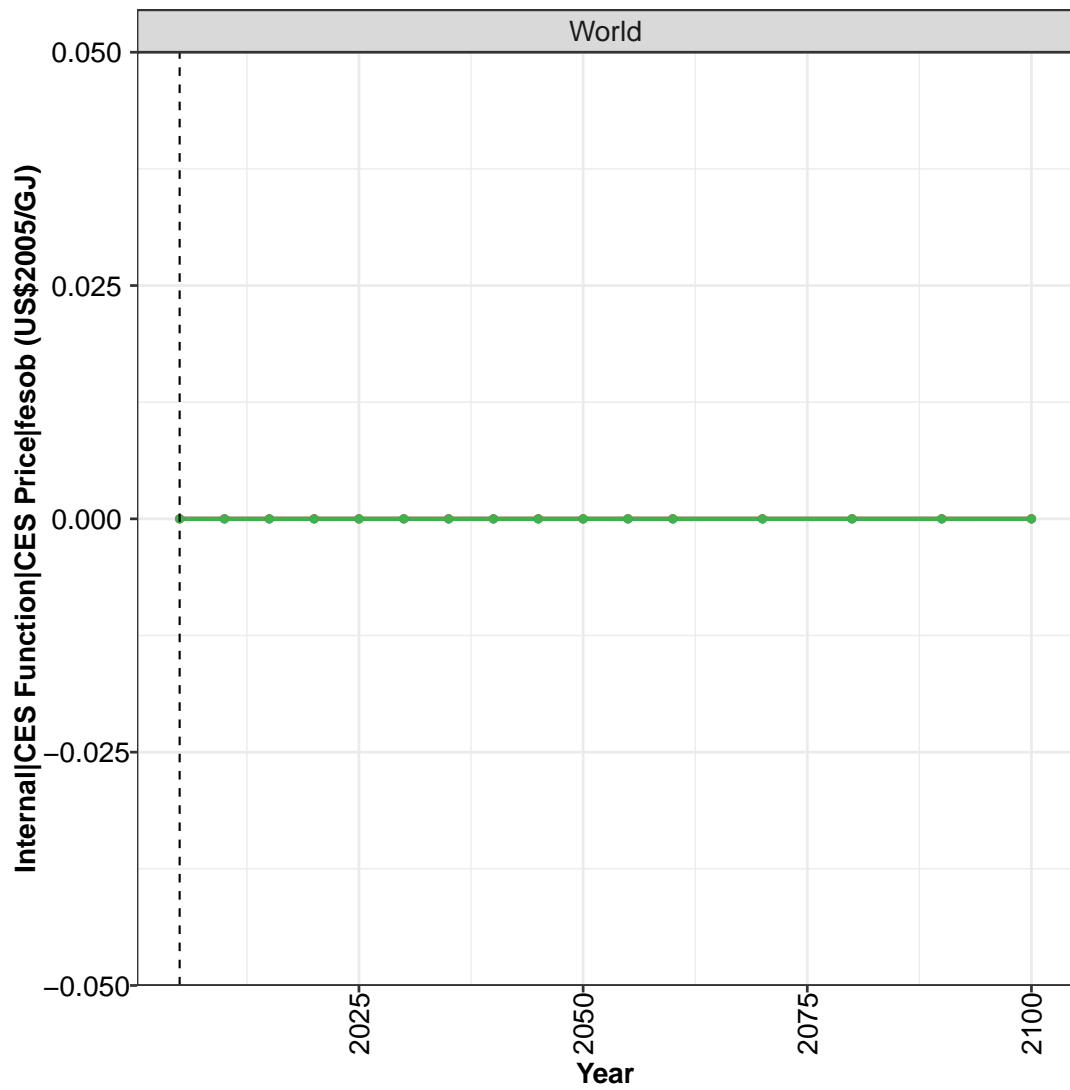




Model: REMIND

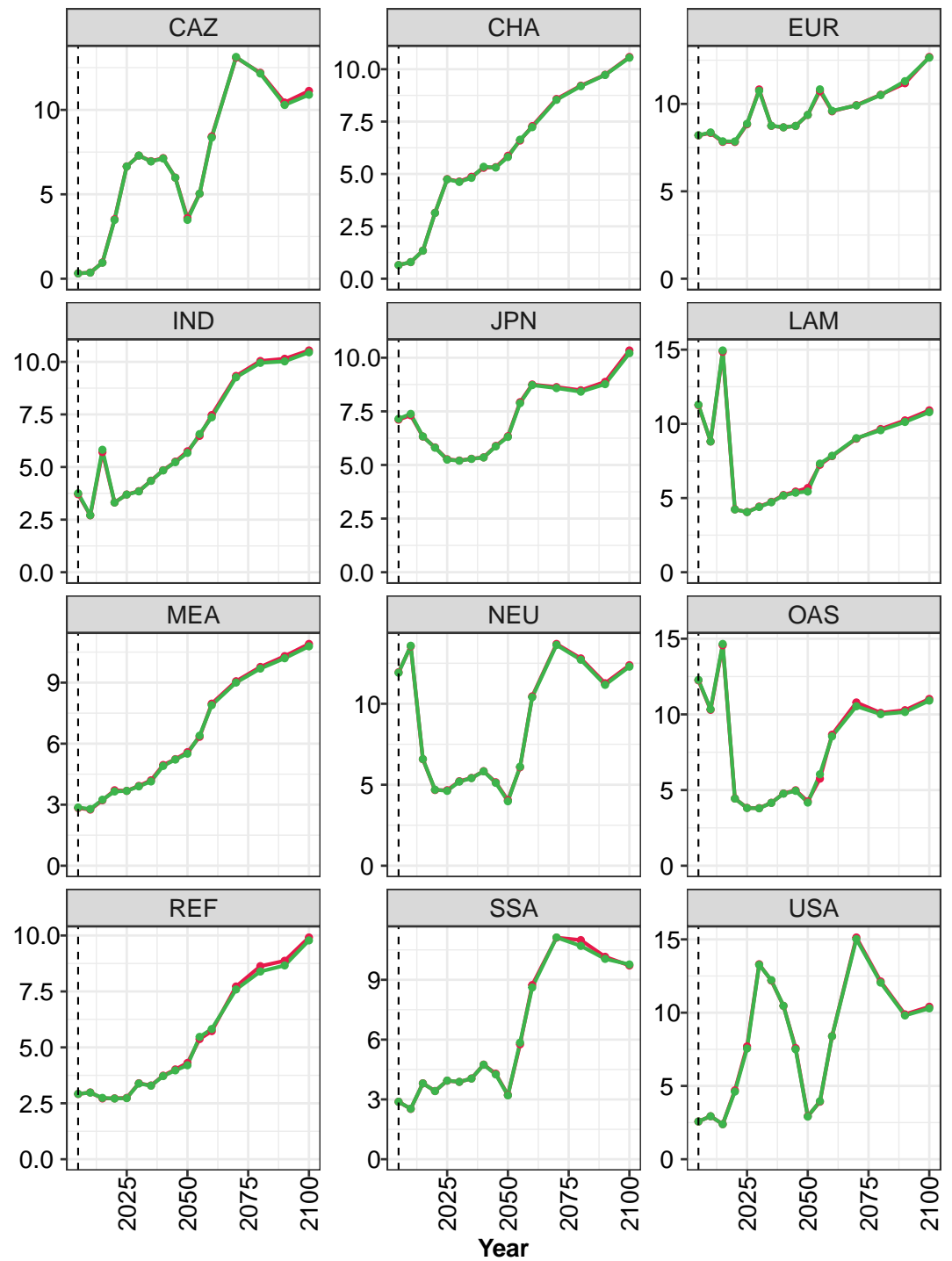
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

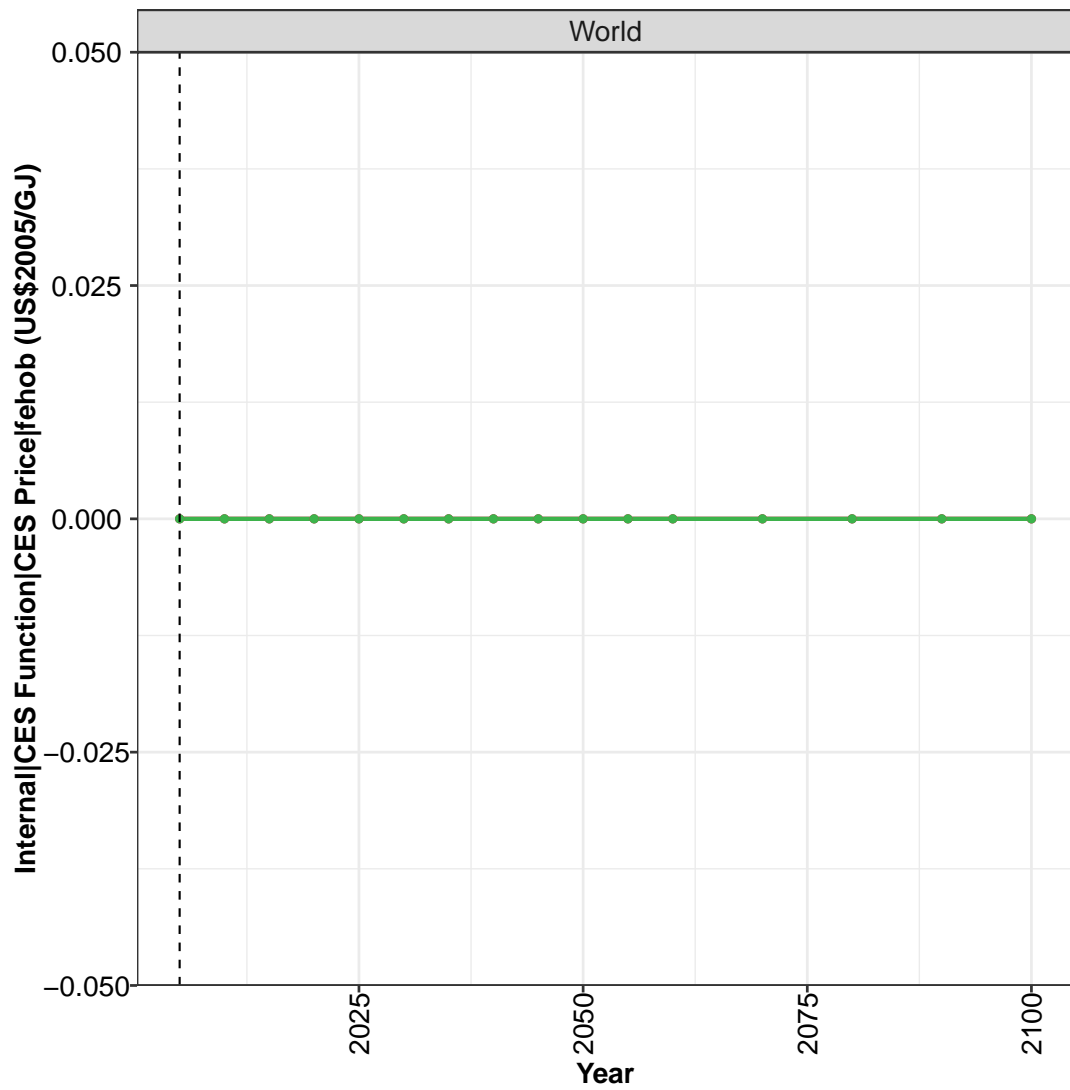




Model: REMIND

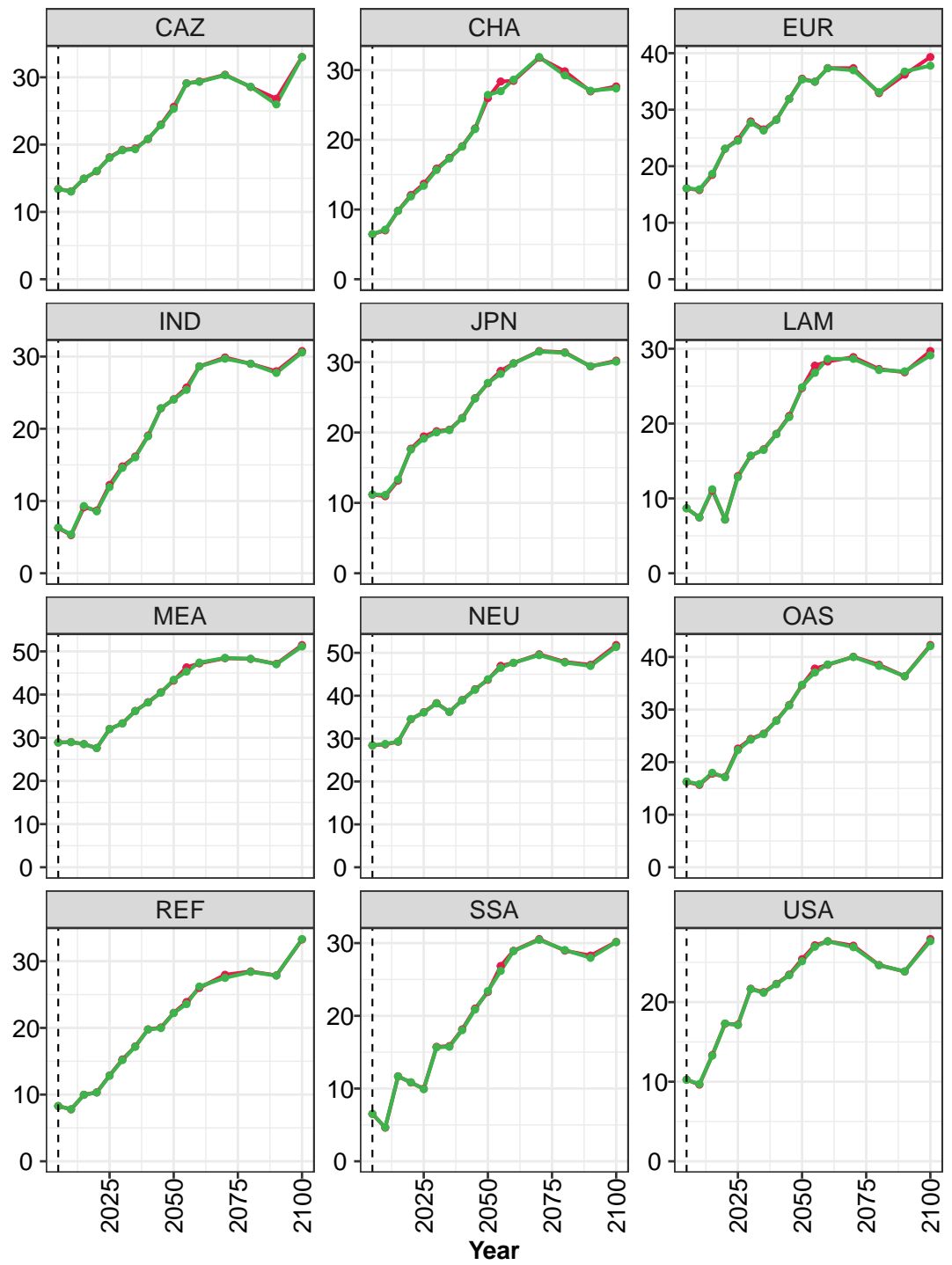
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

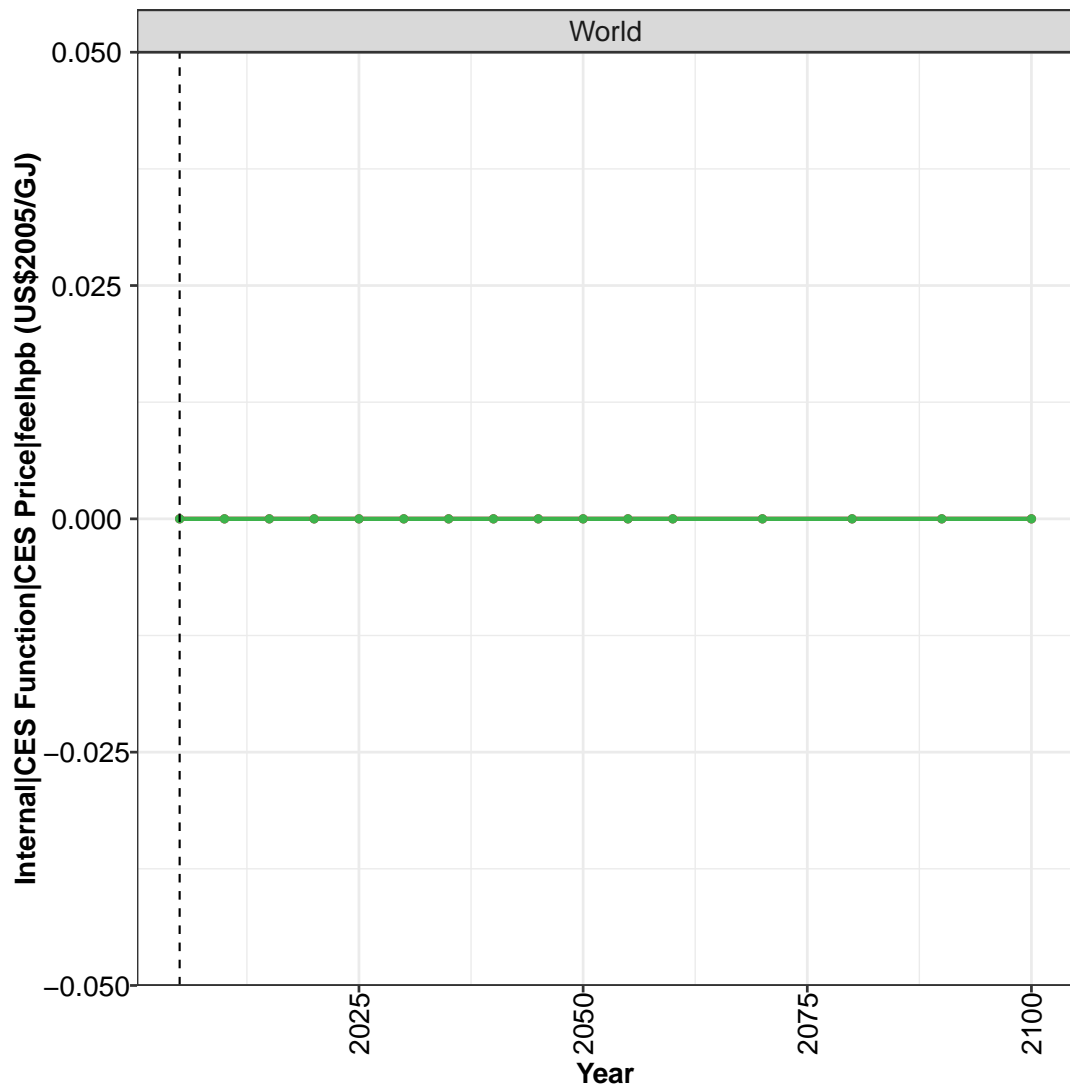




Model: REMIND

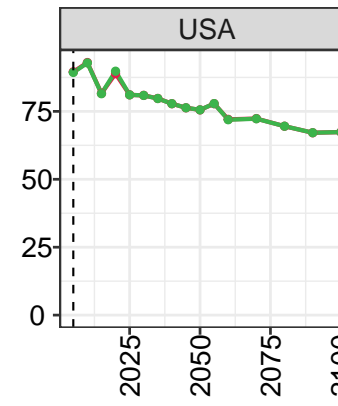
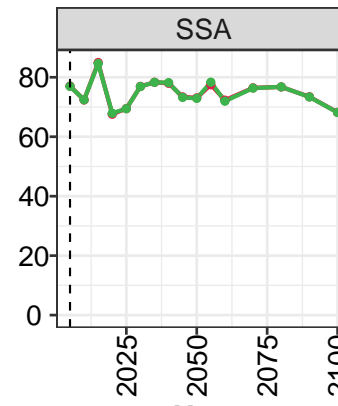
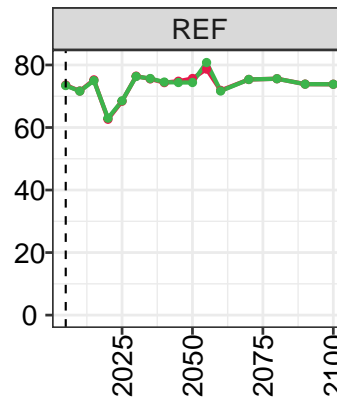
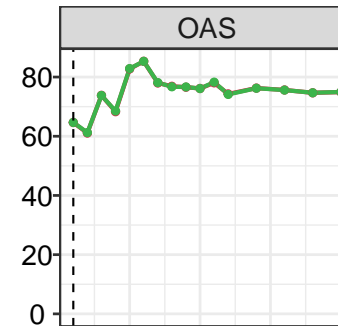
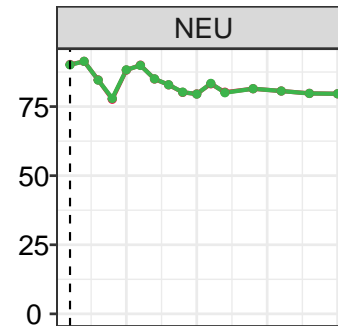
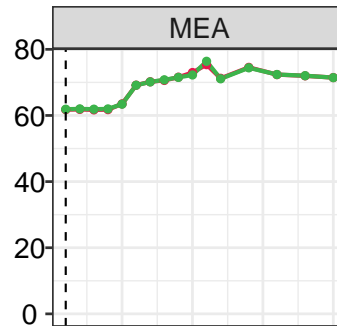
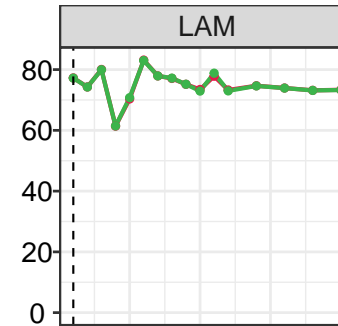
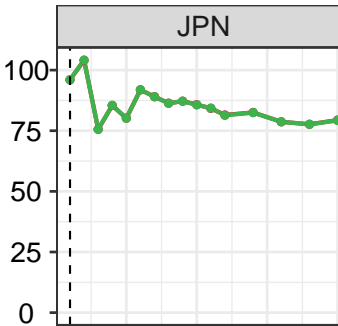
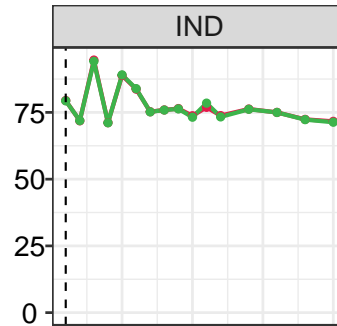
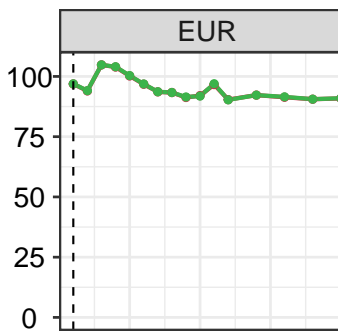
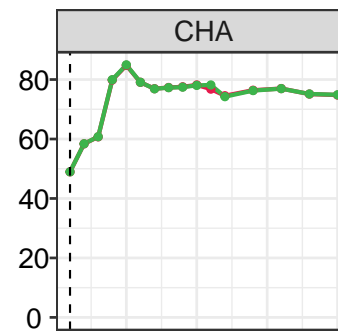
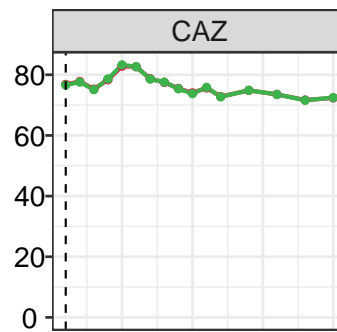
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

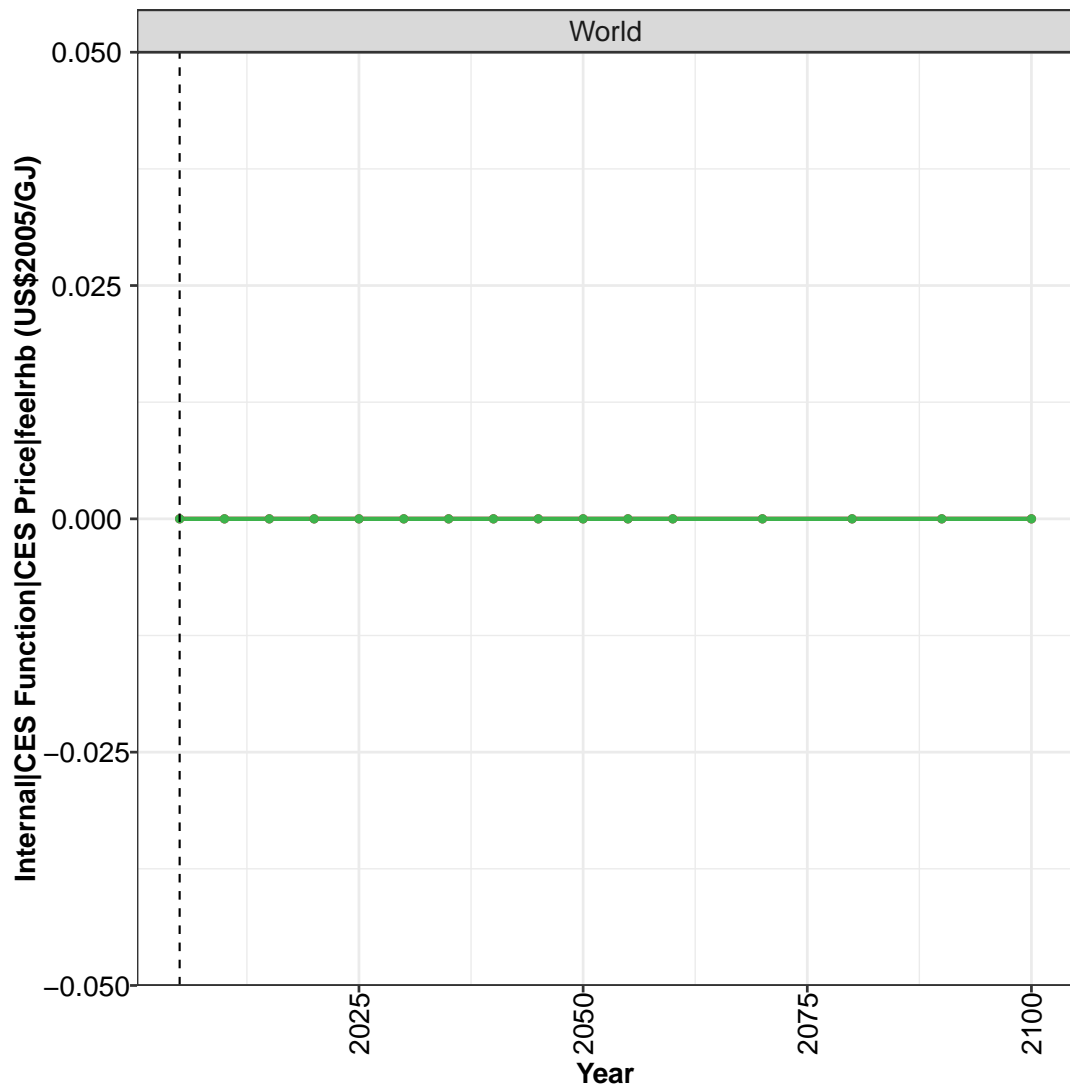




Model: REMIND

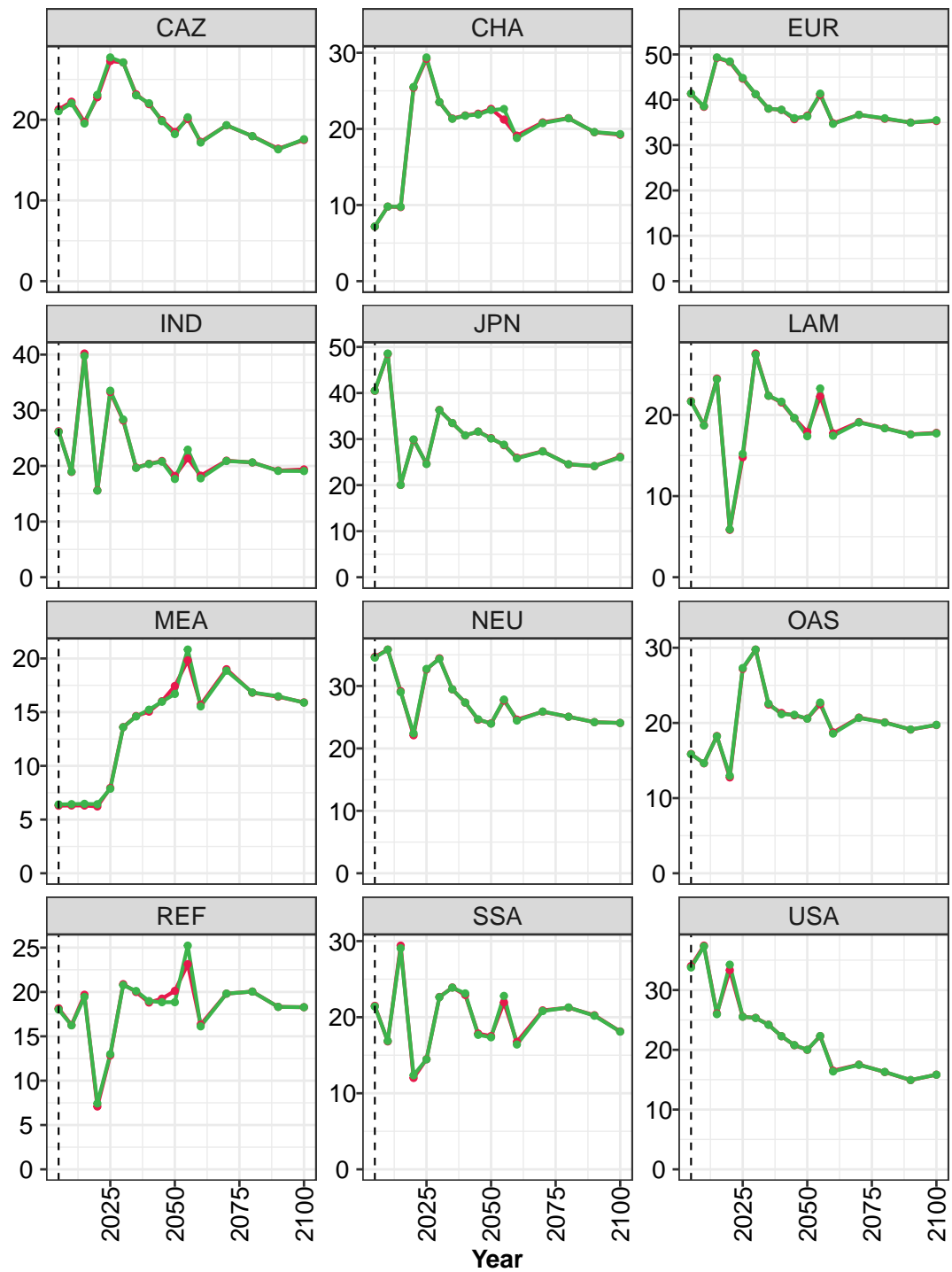
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

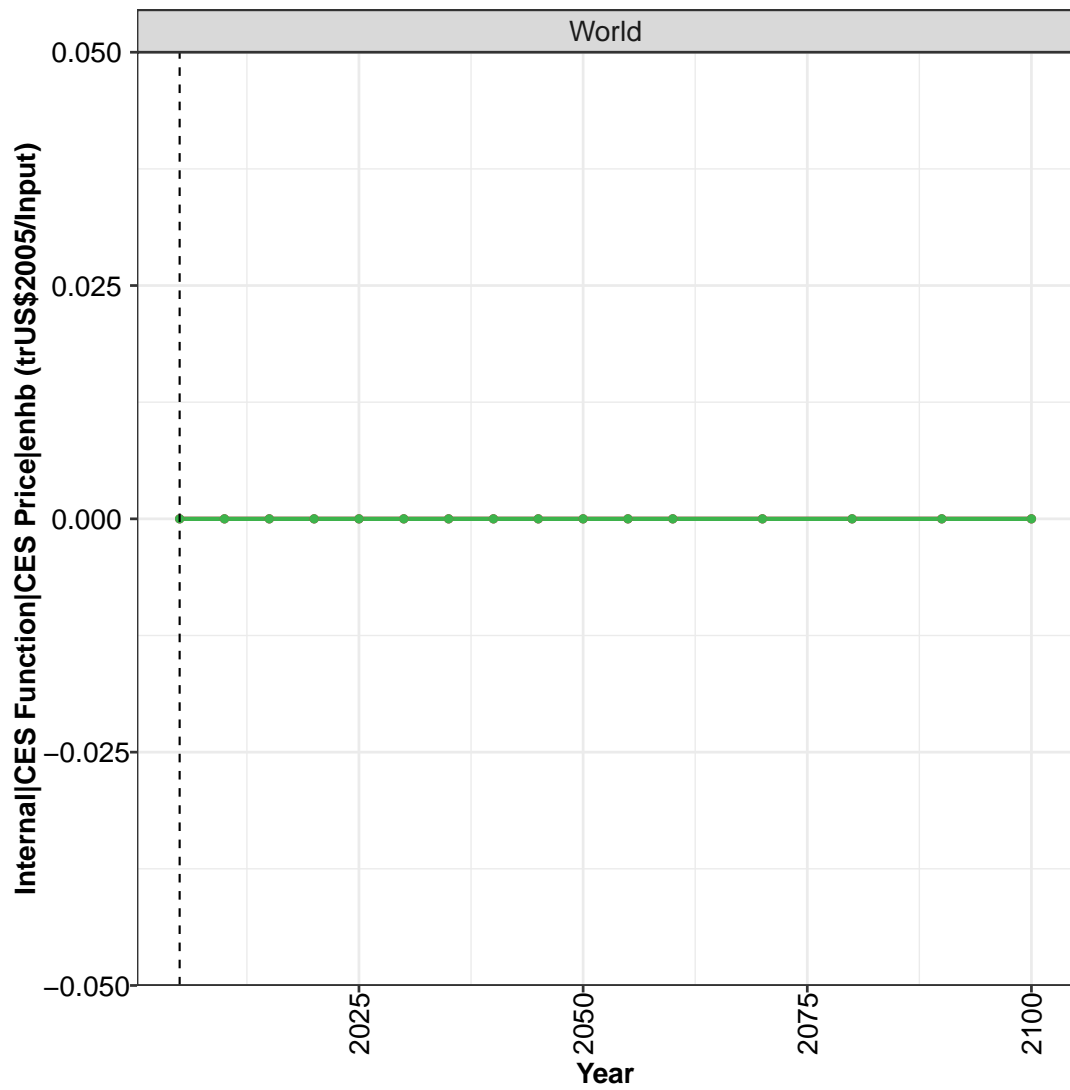




Model: REMIND

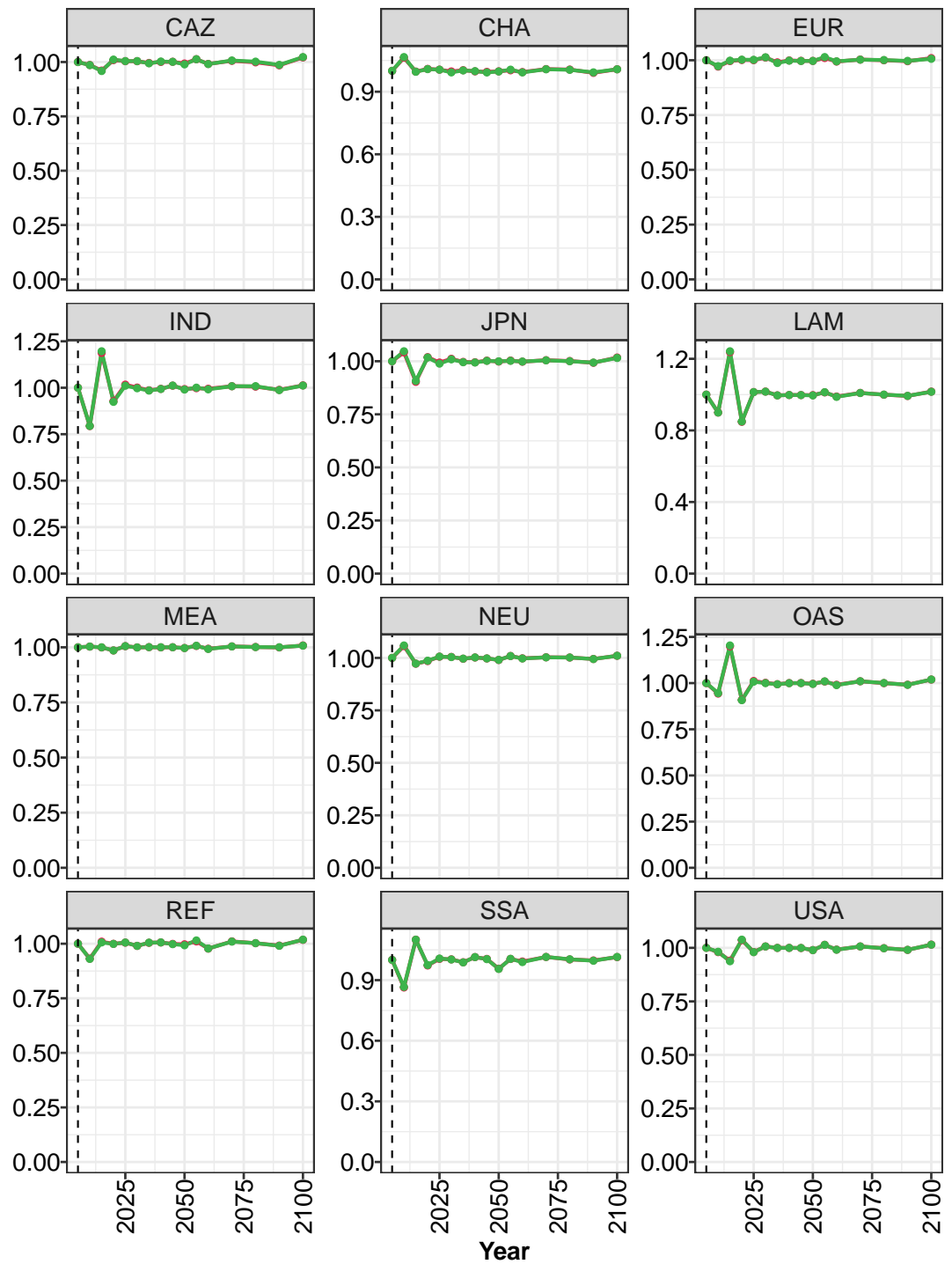
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

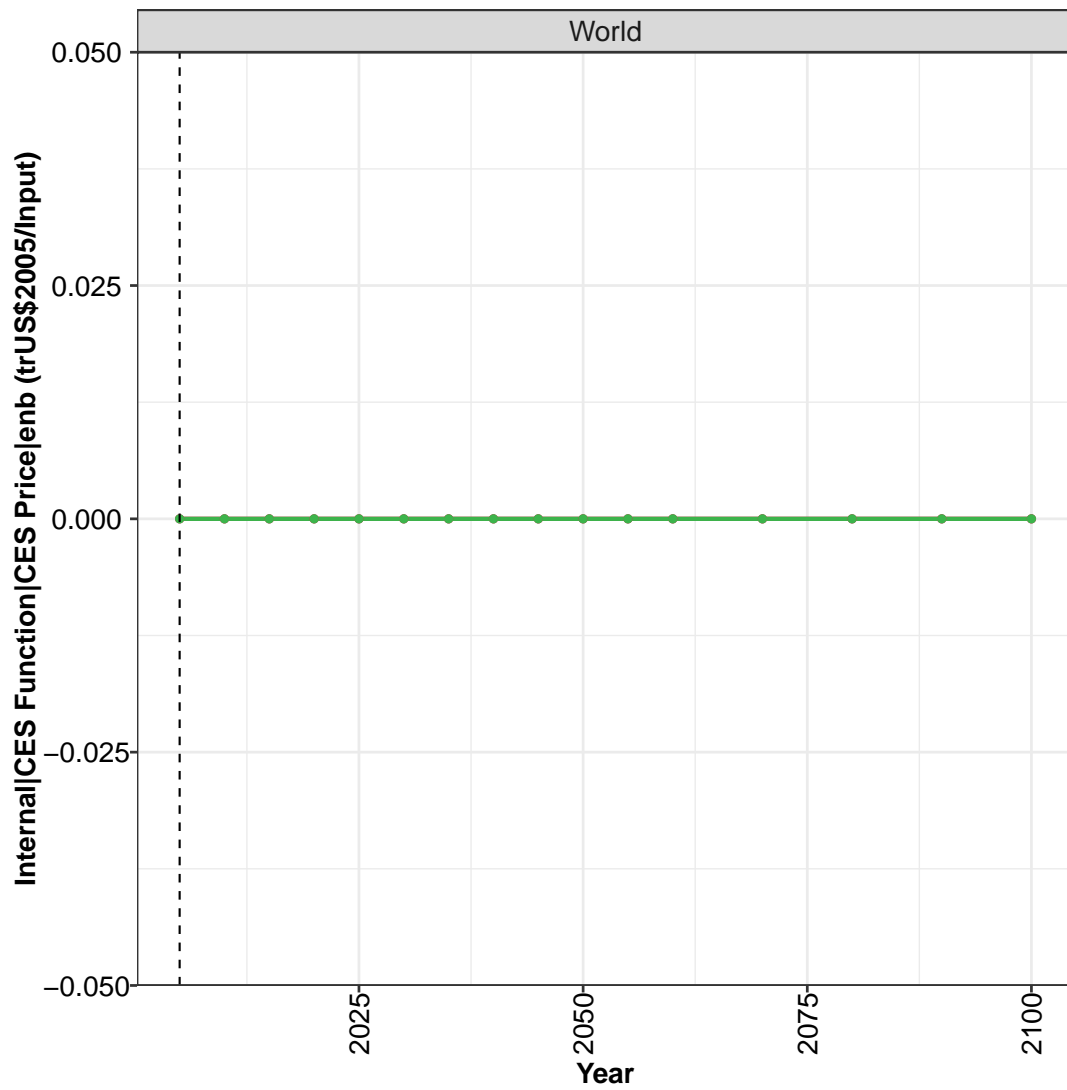




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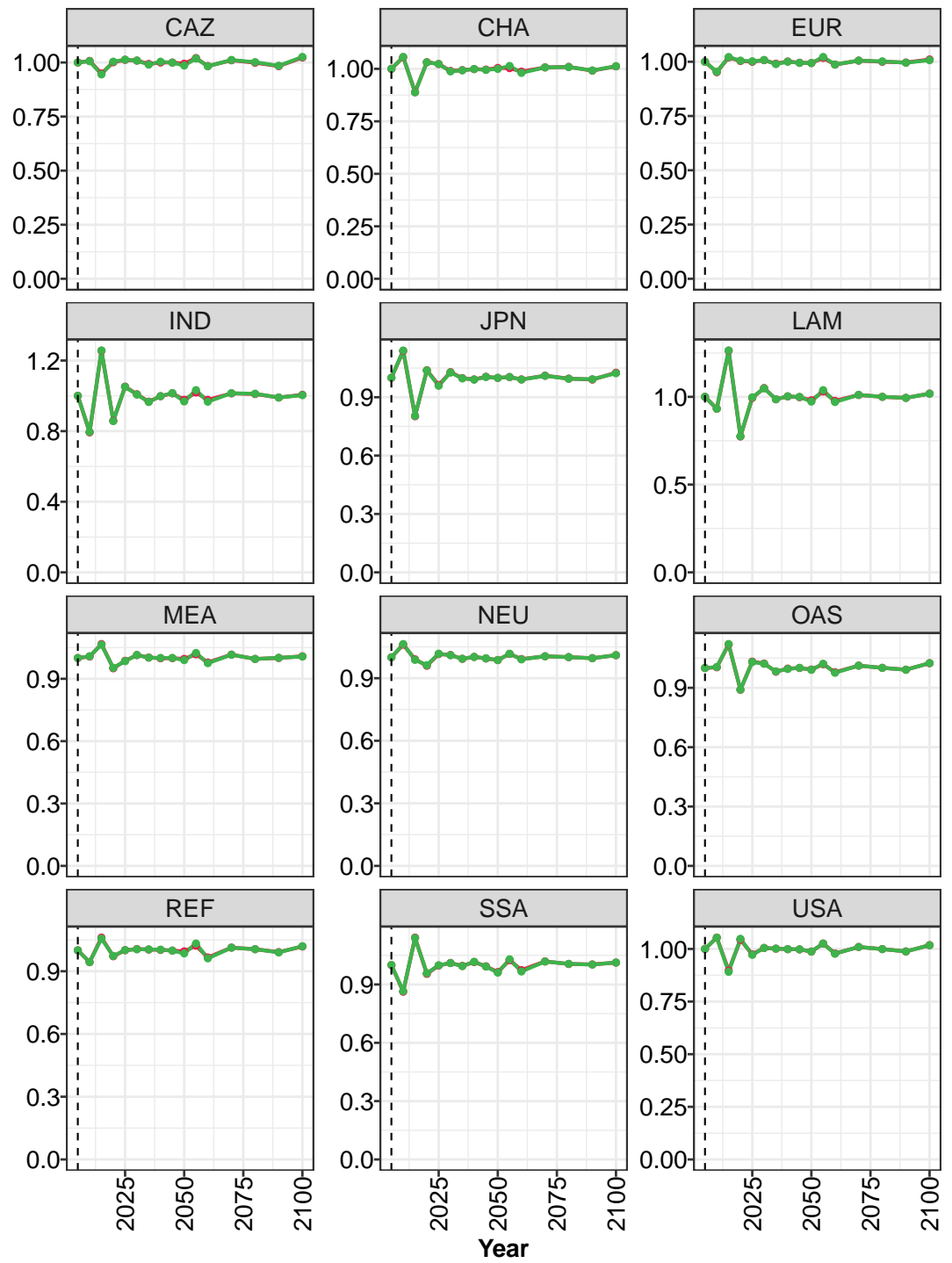
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix





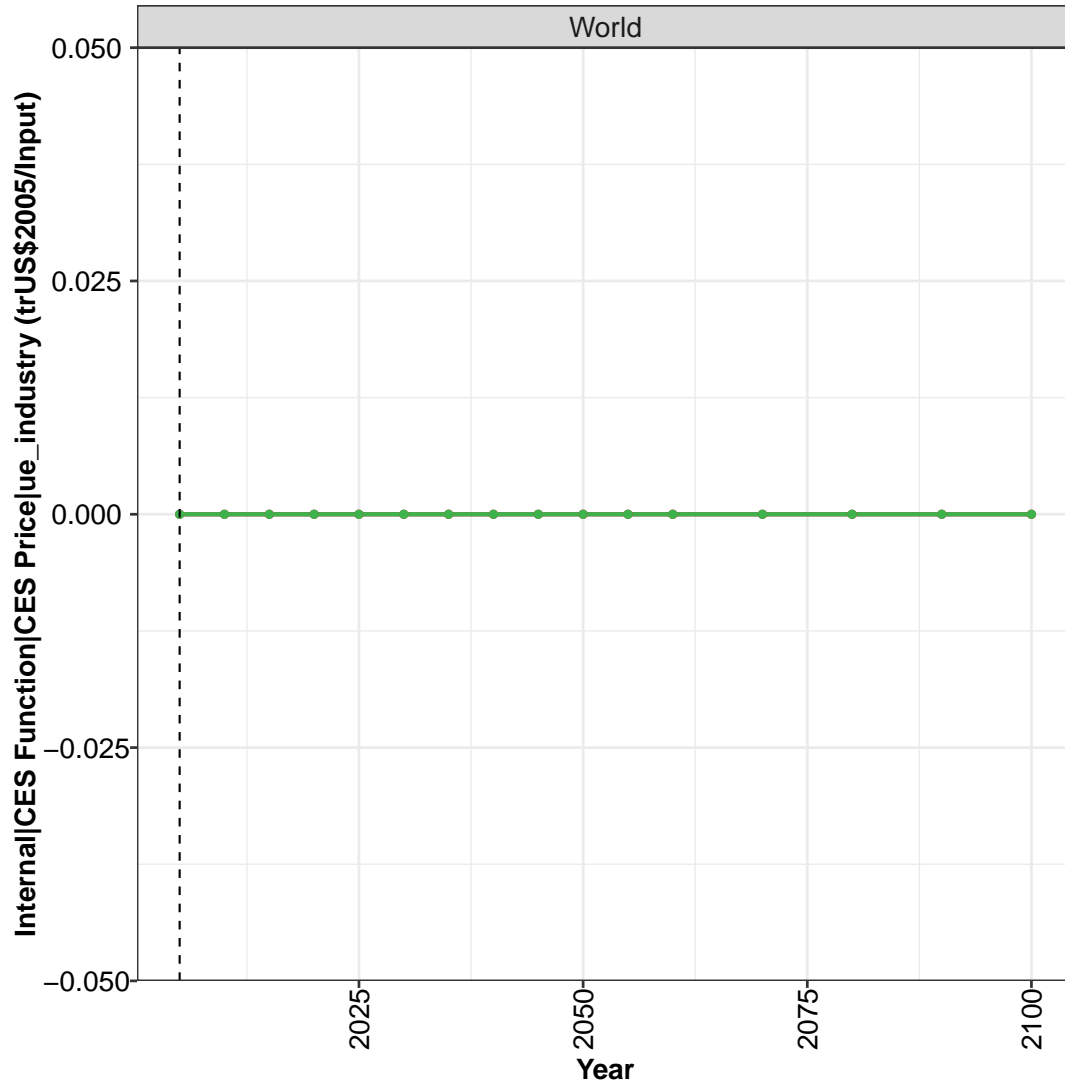
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



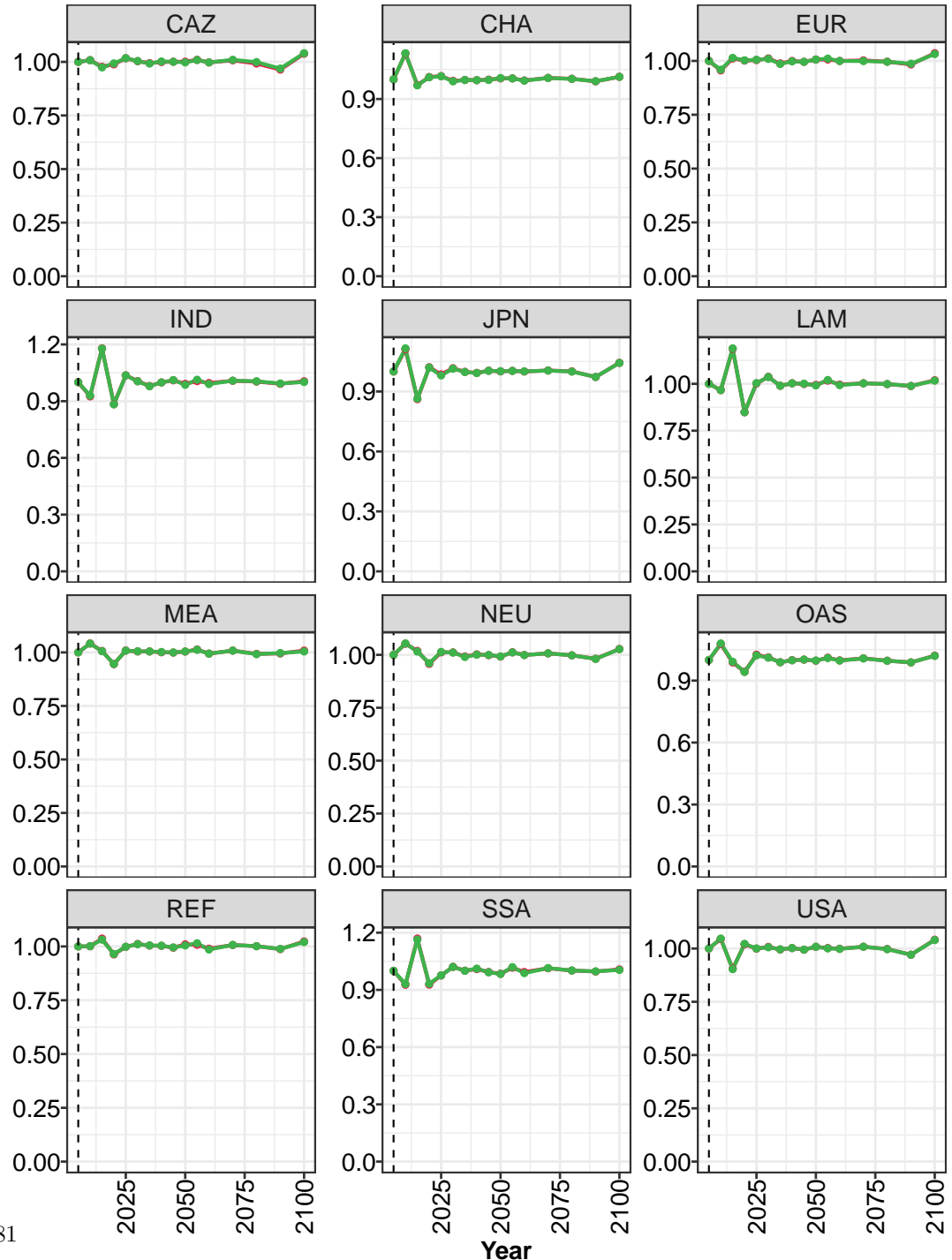
12.1.2 Industry

12.1.2.1 Total Industry

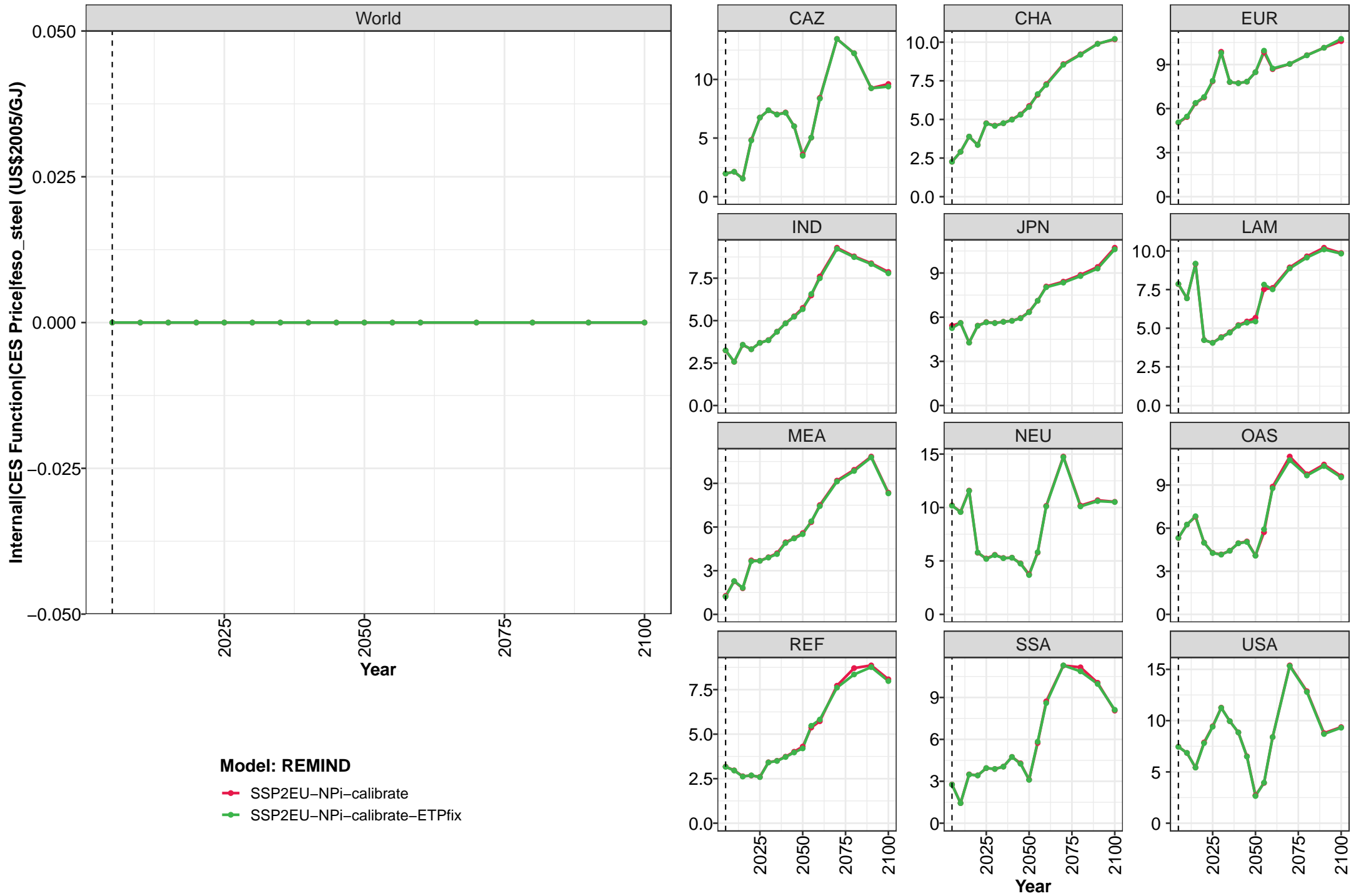


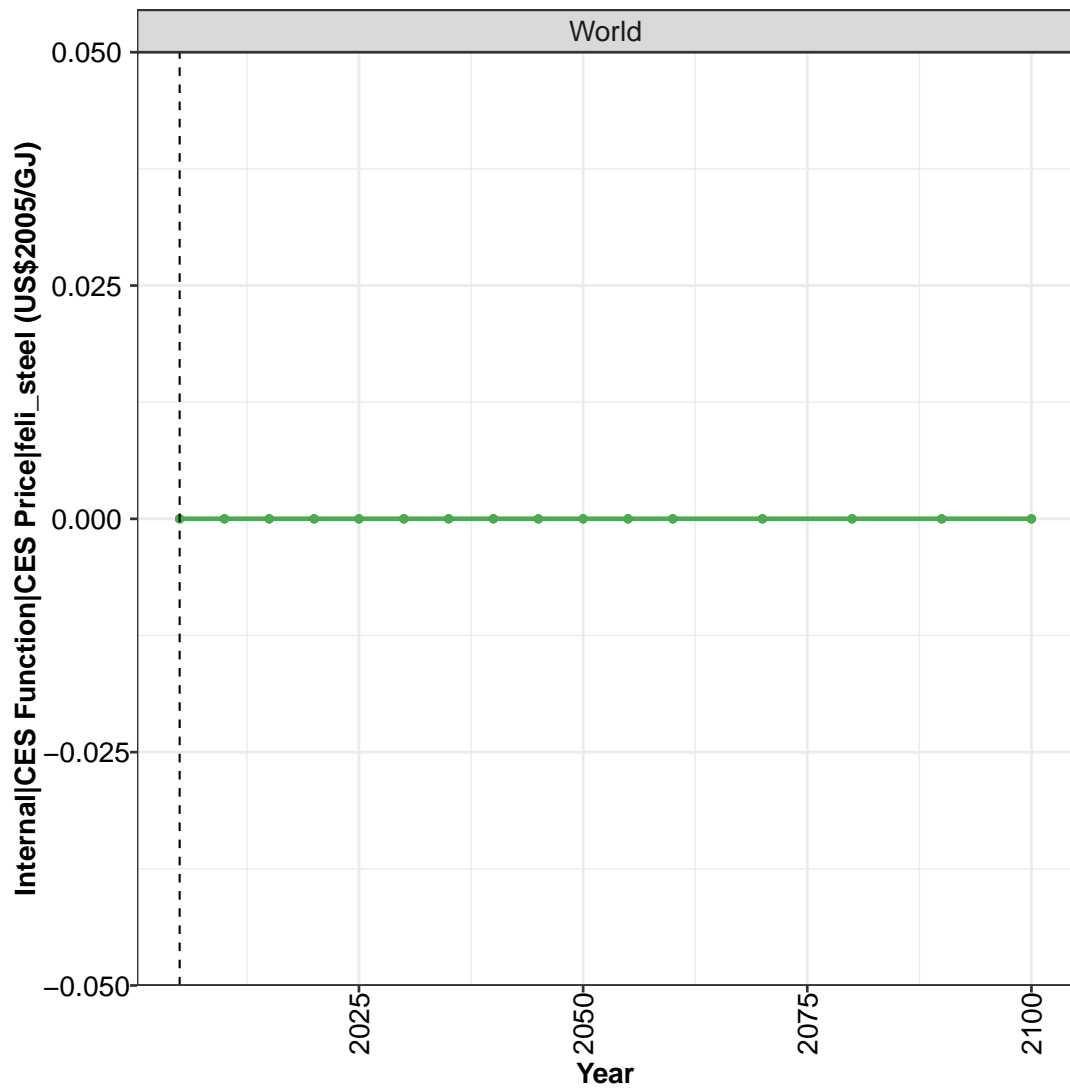
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



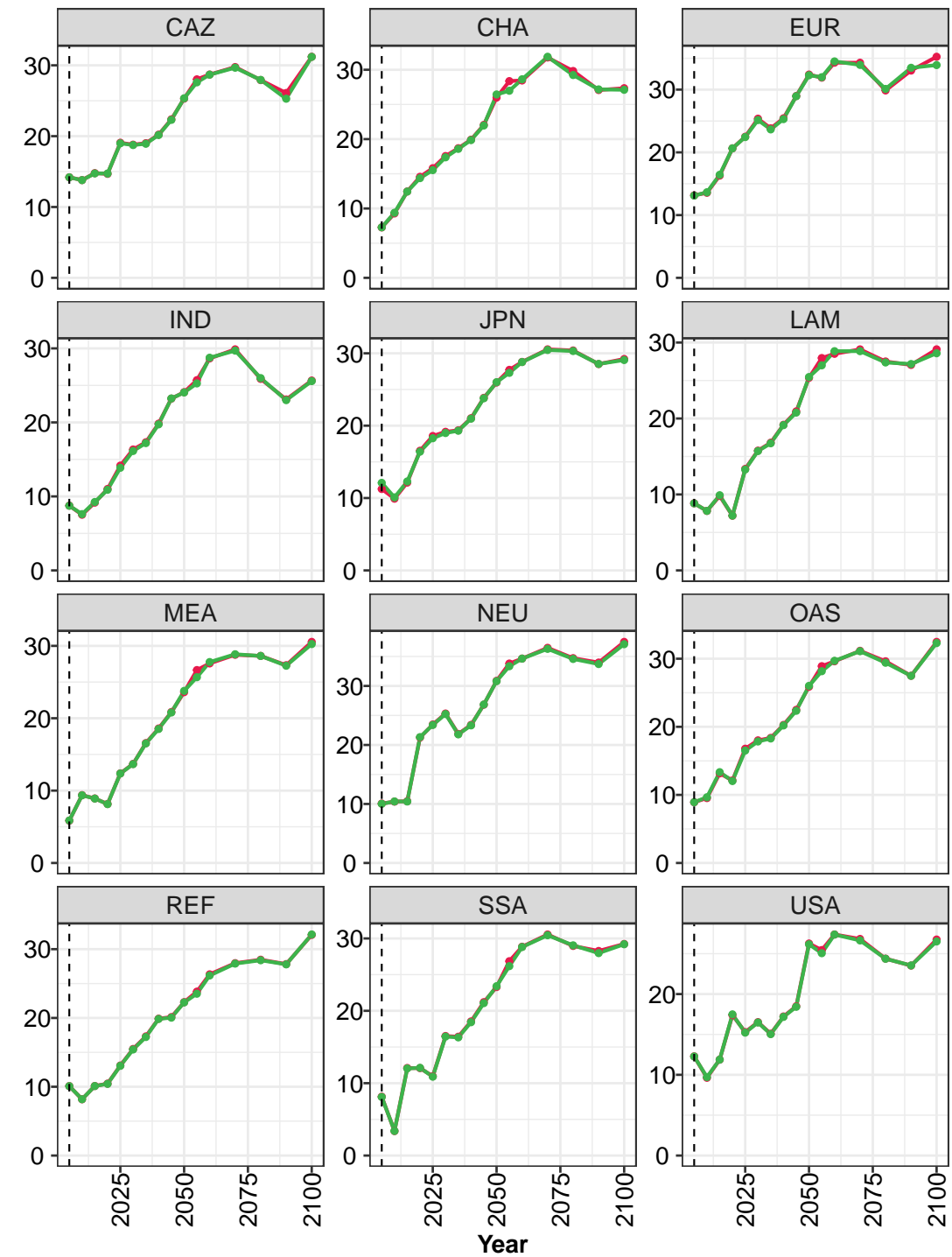
12.1.2.2 Steel

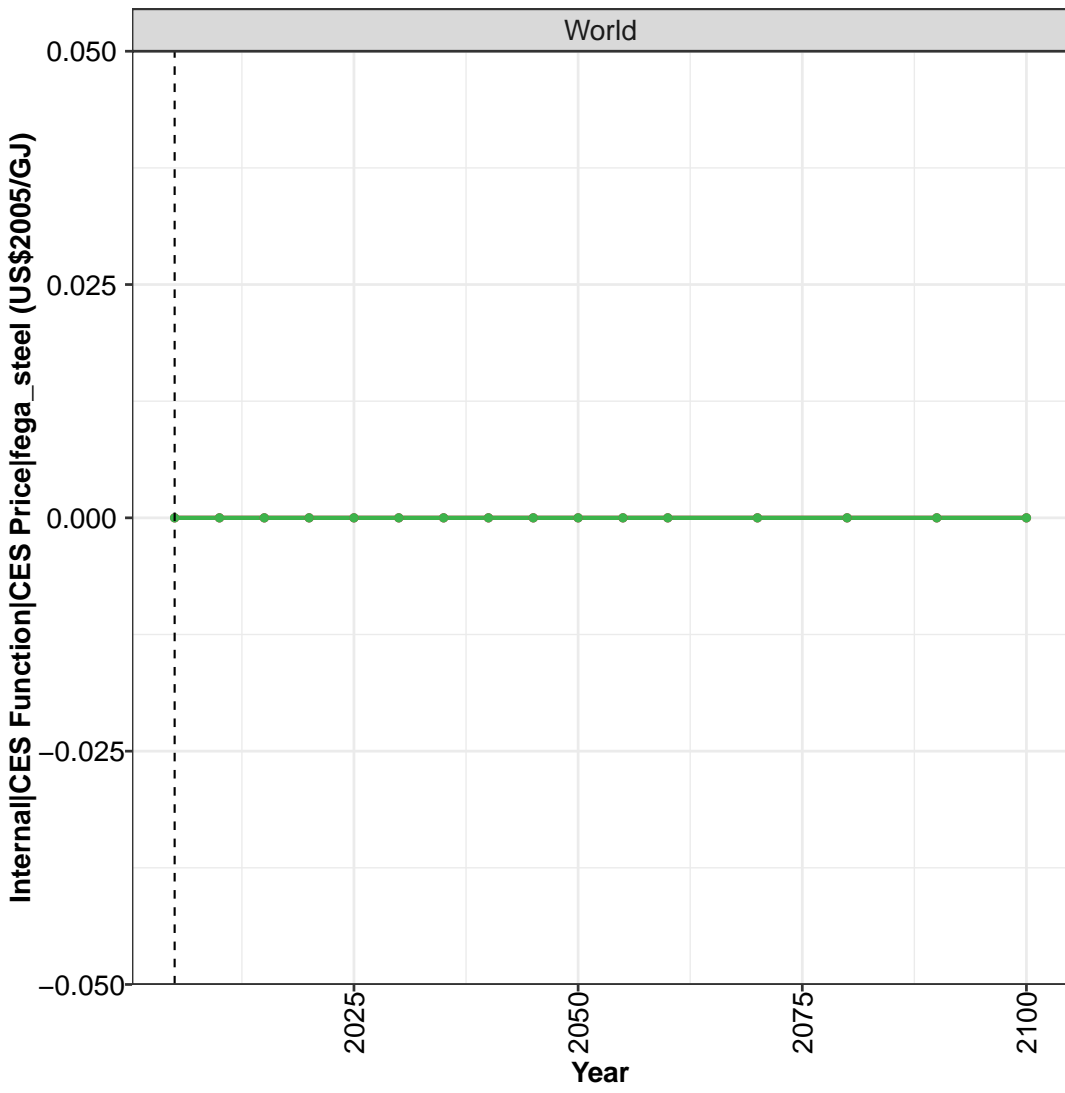




Model: REMIND

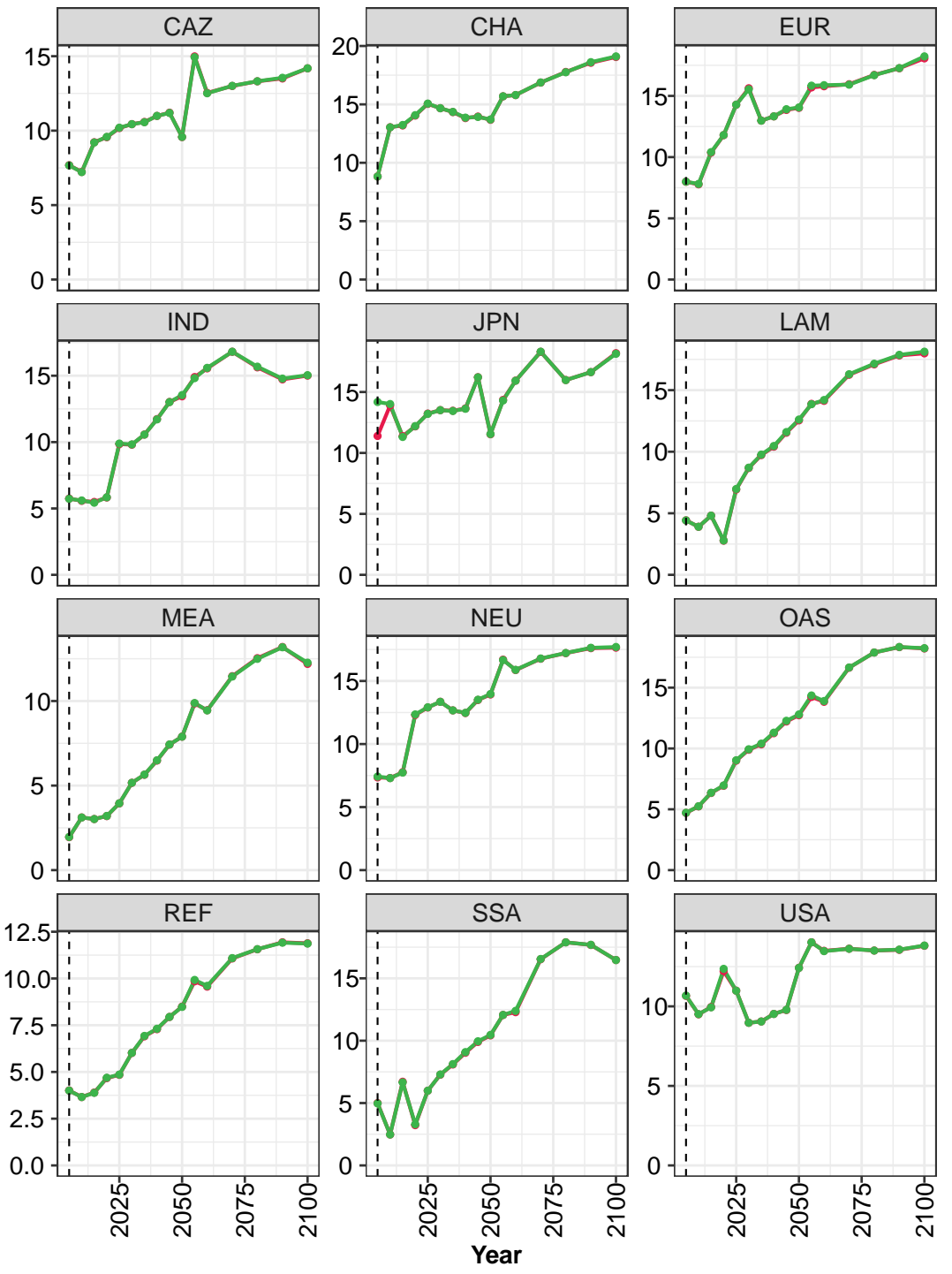
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

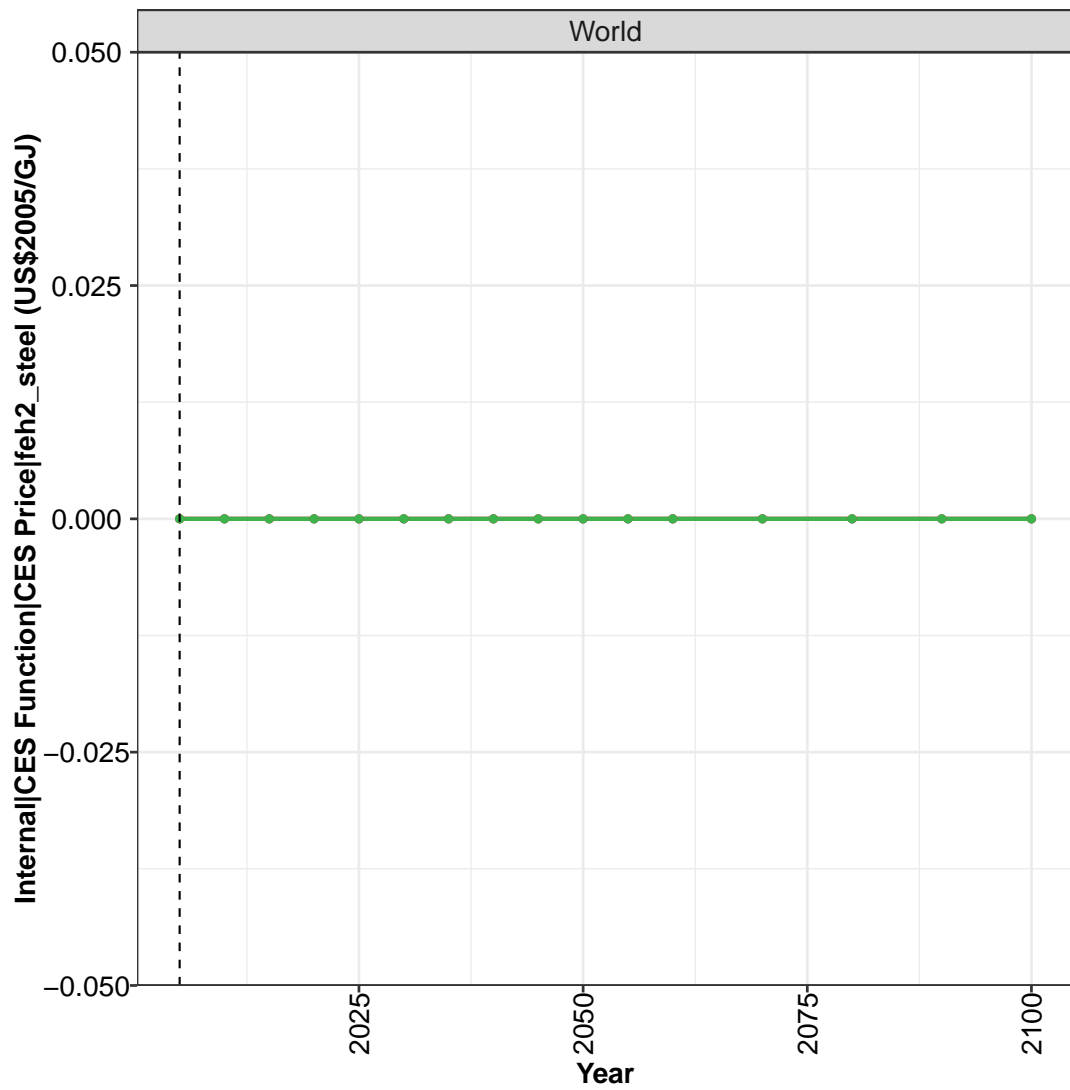




Model: REMIND

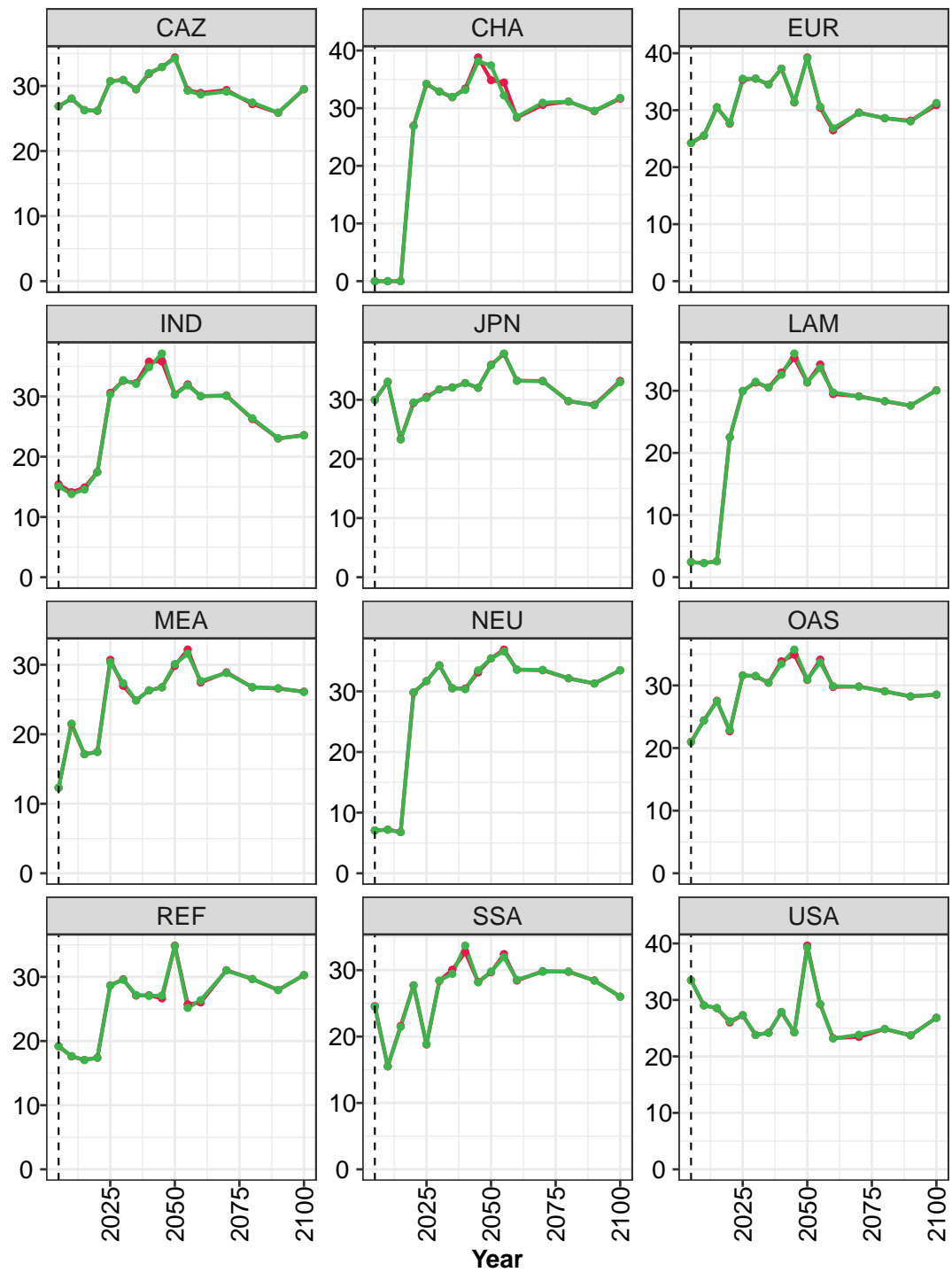
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

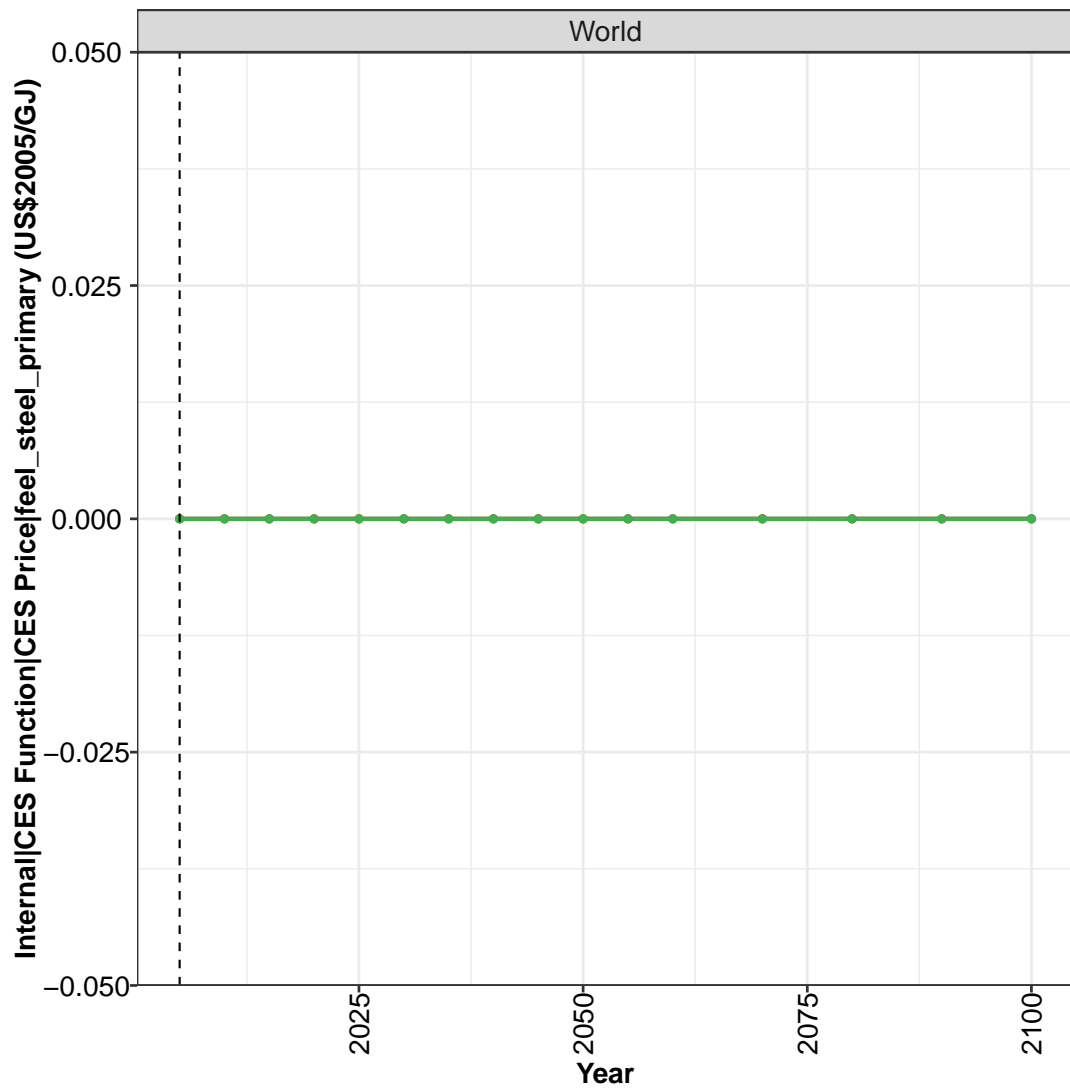




Model: REMIND

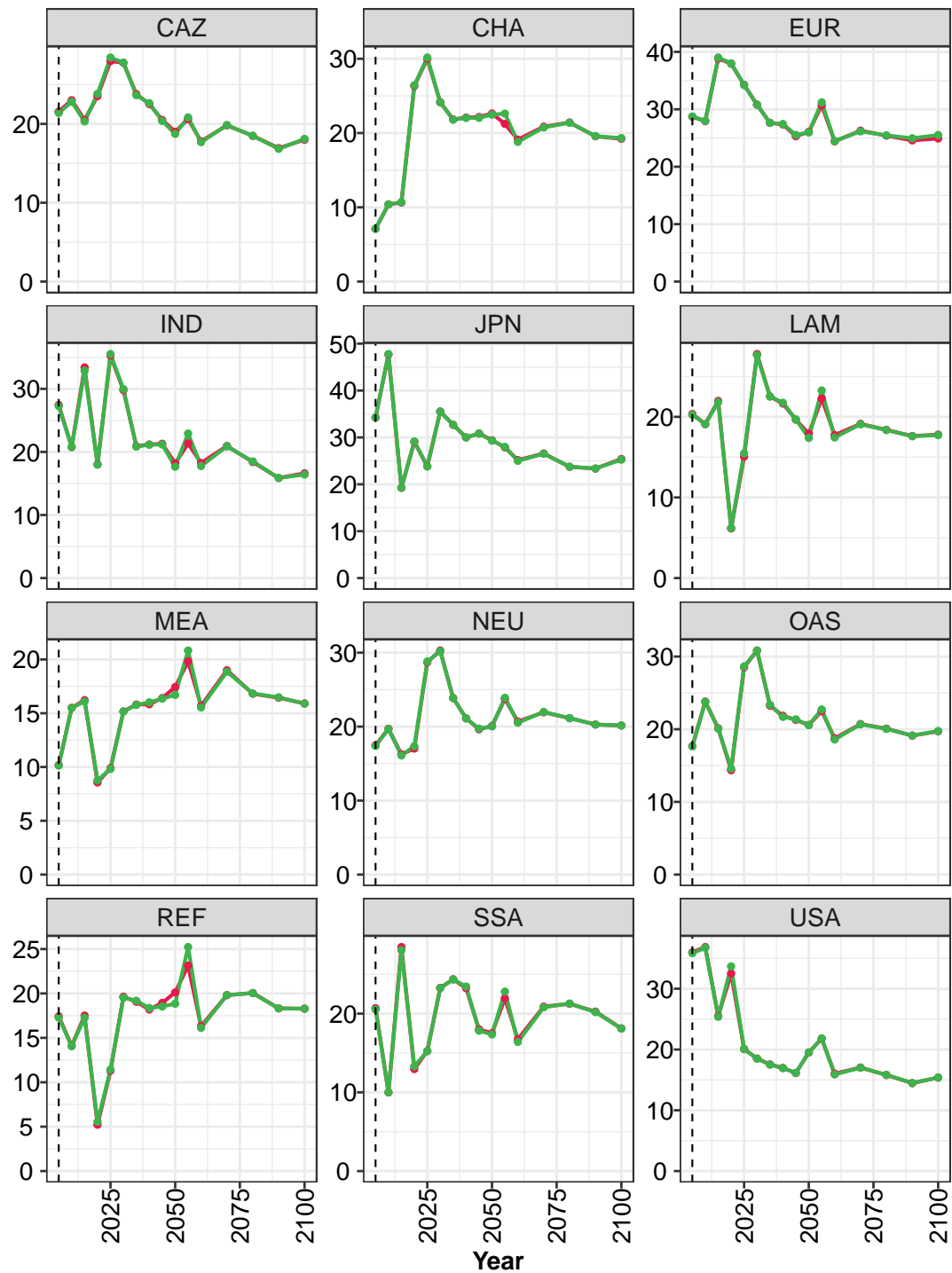
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

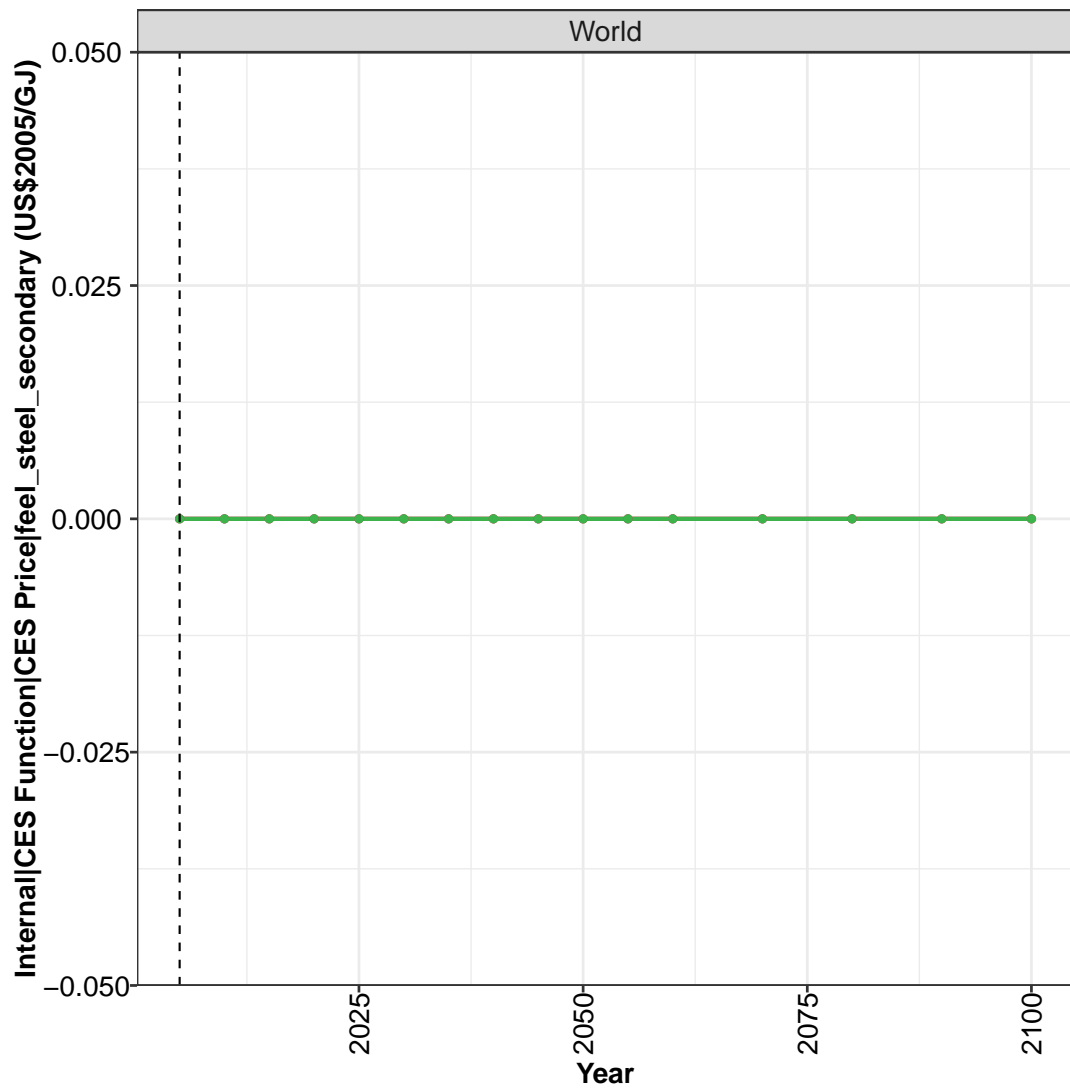




Model: REMIND

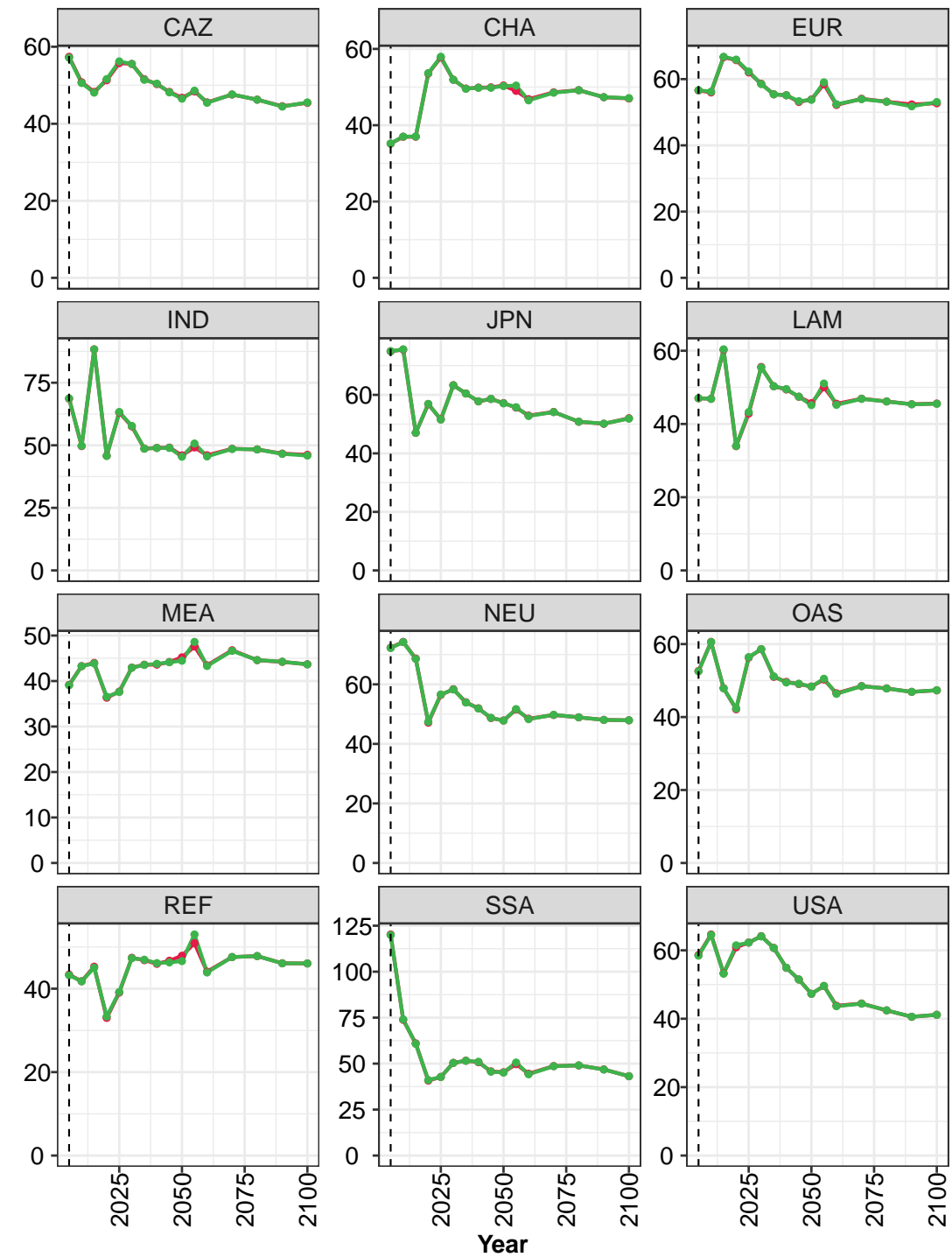
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- SSP2EU-NPi-calibrate-ETPfix

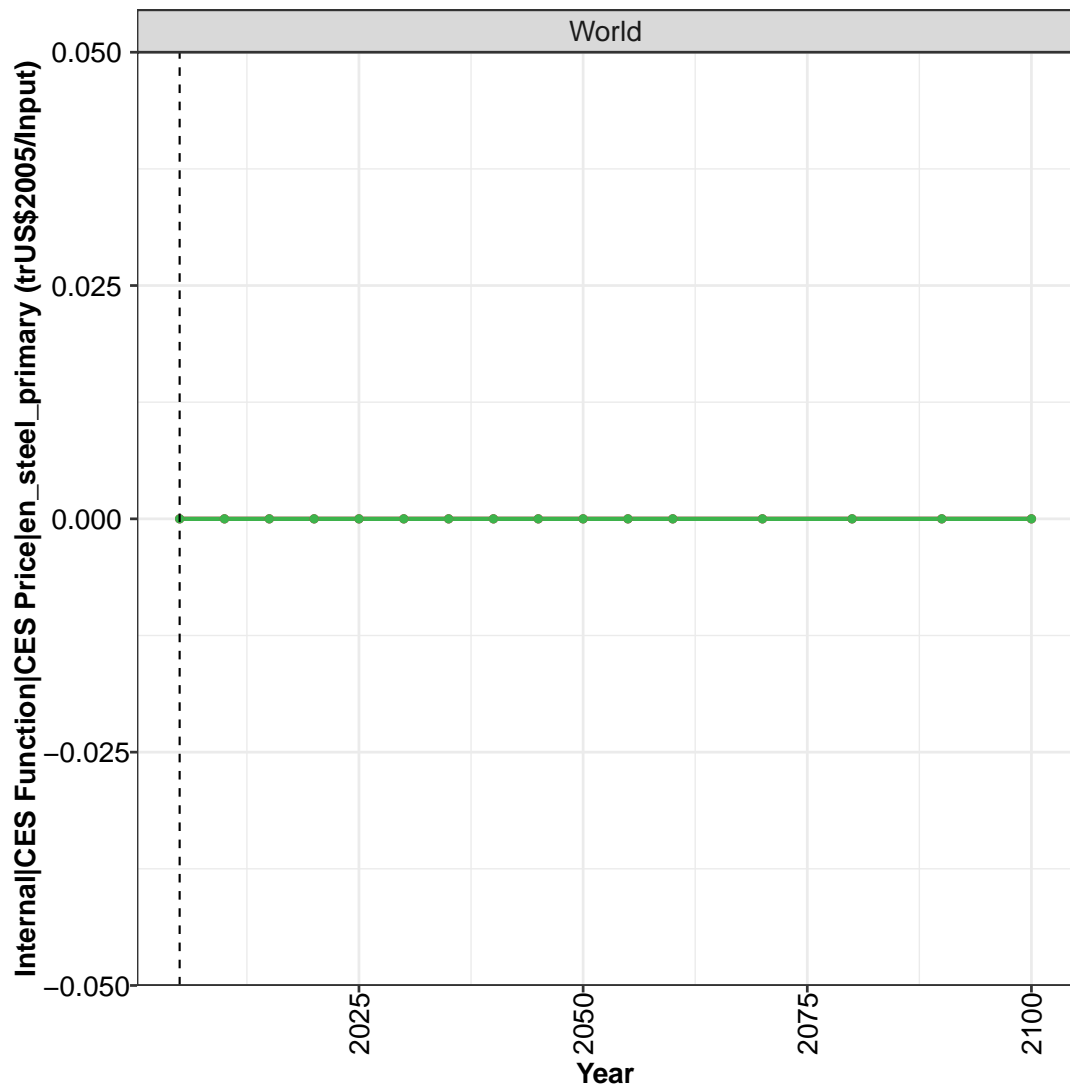




Model: REMIND

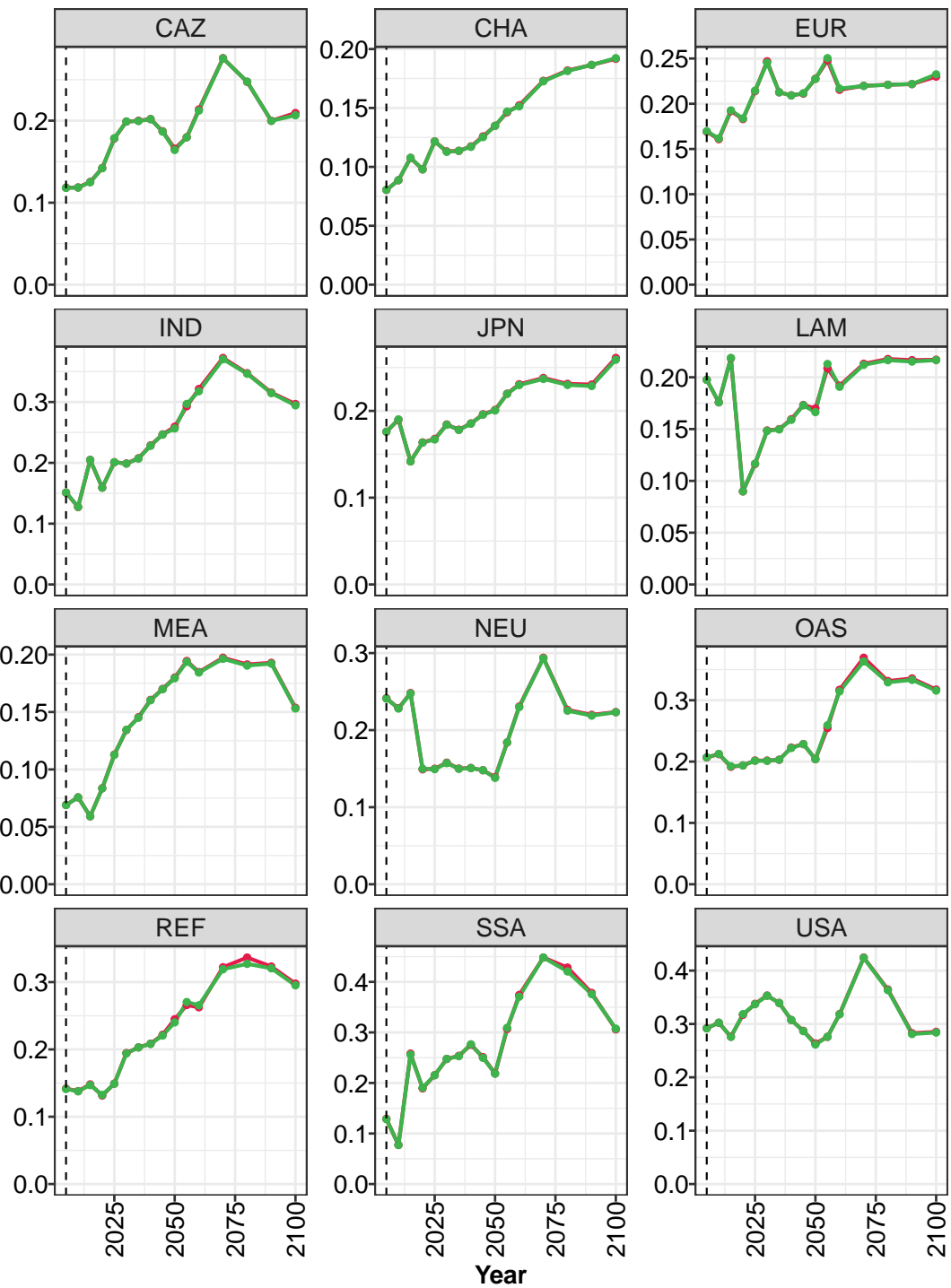
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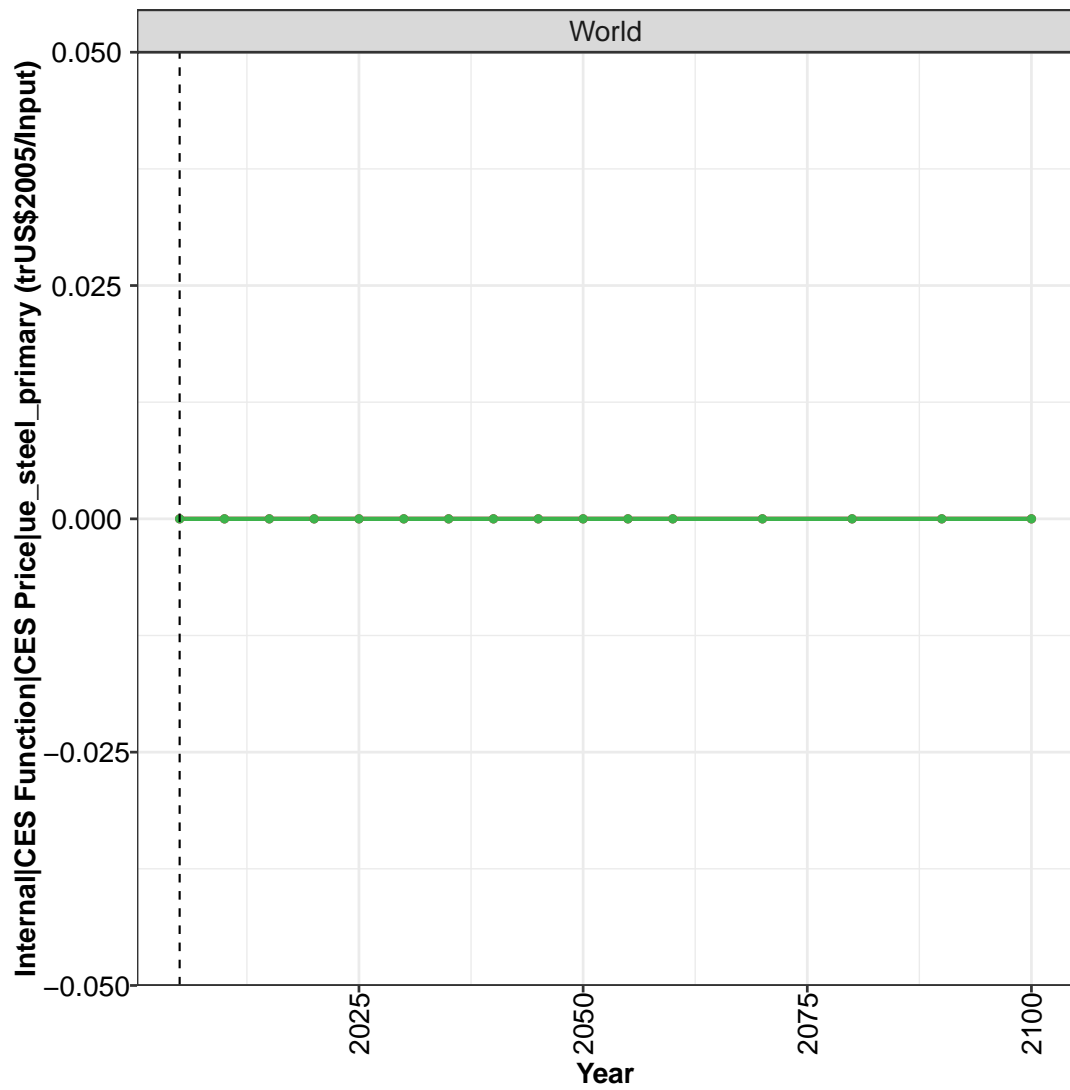




Model: REMIND

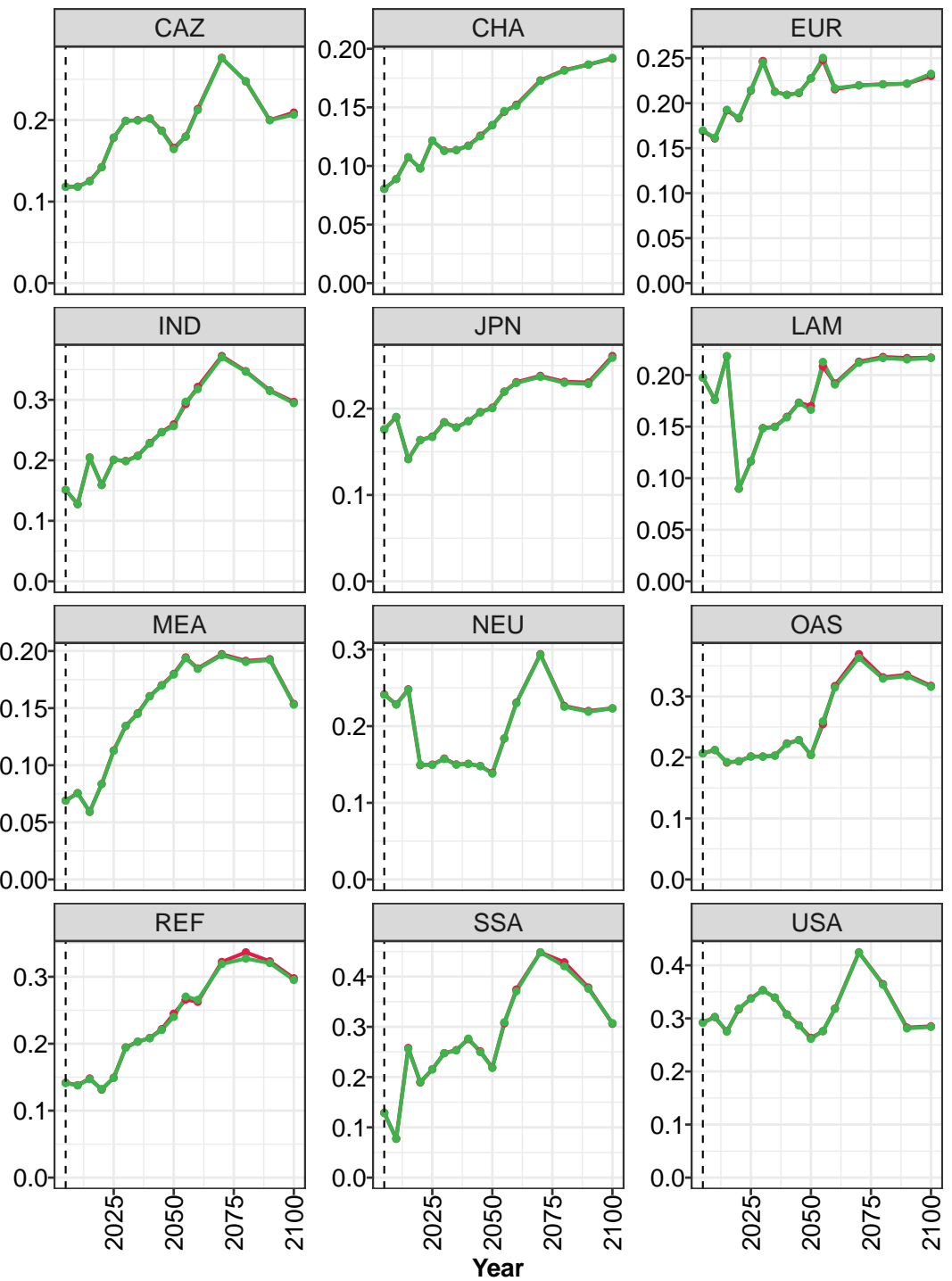
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

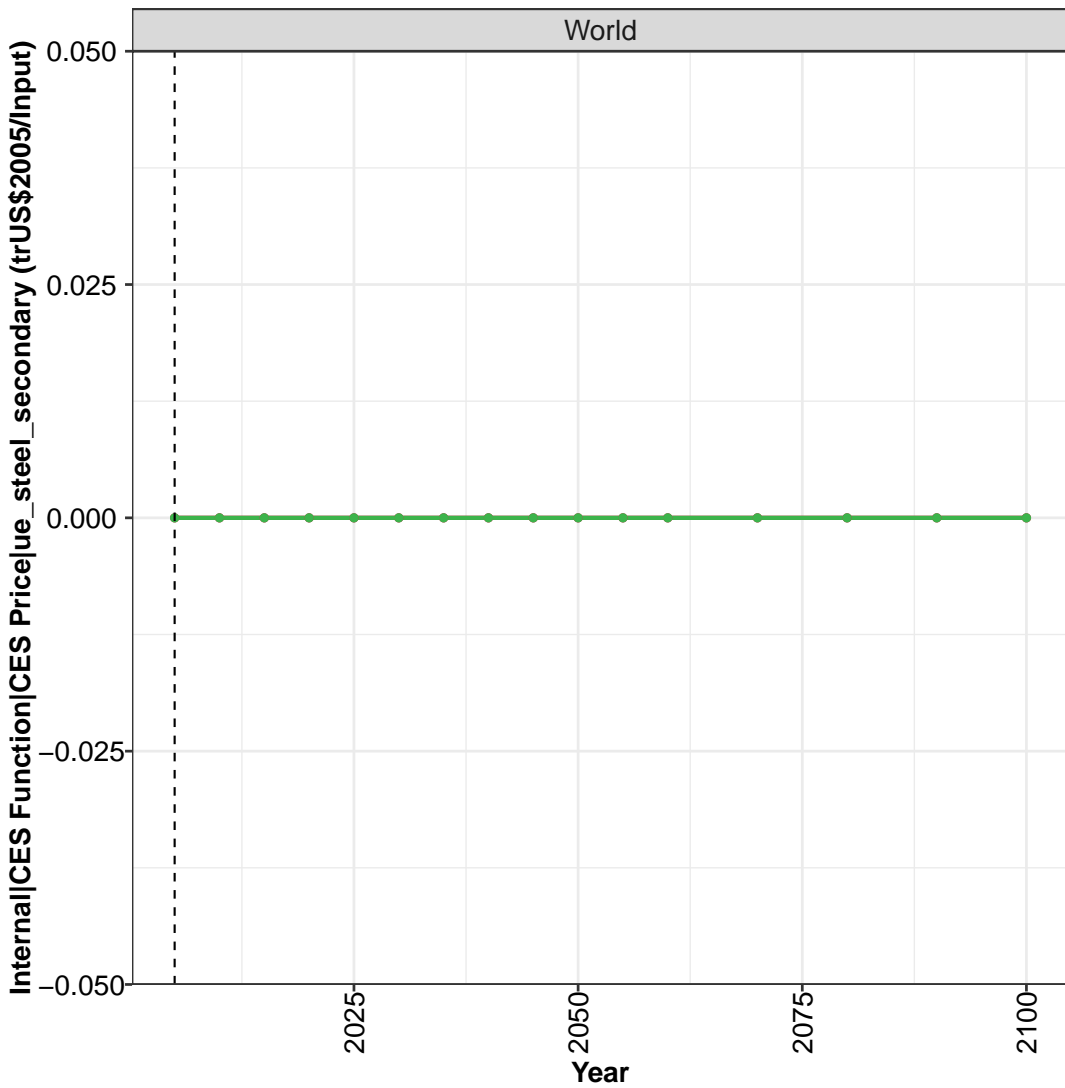




Model: REMIND

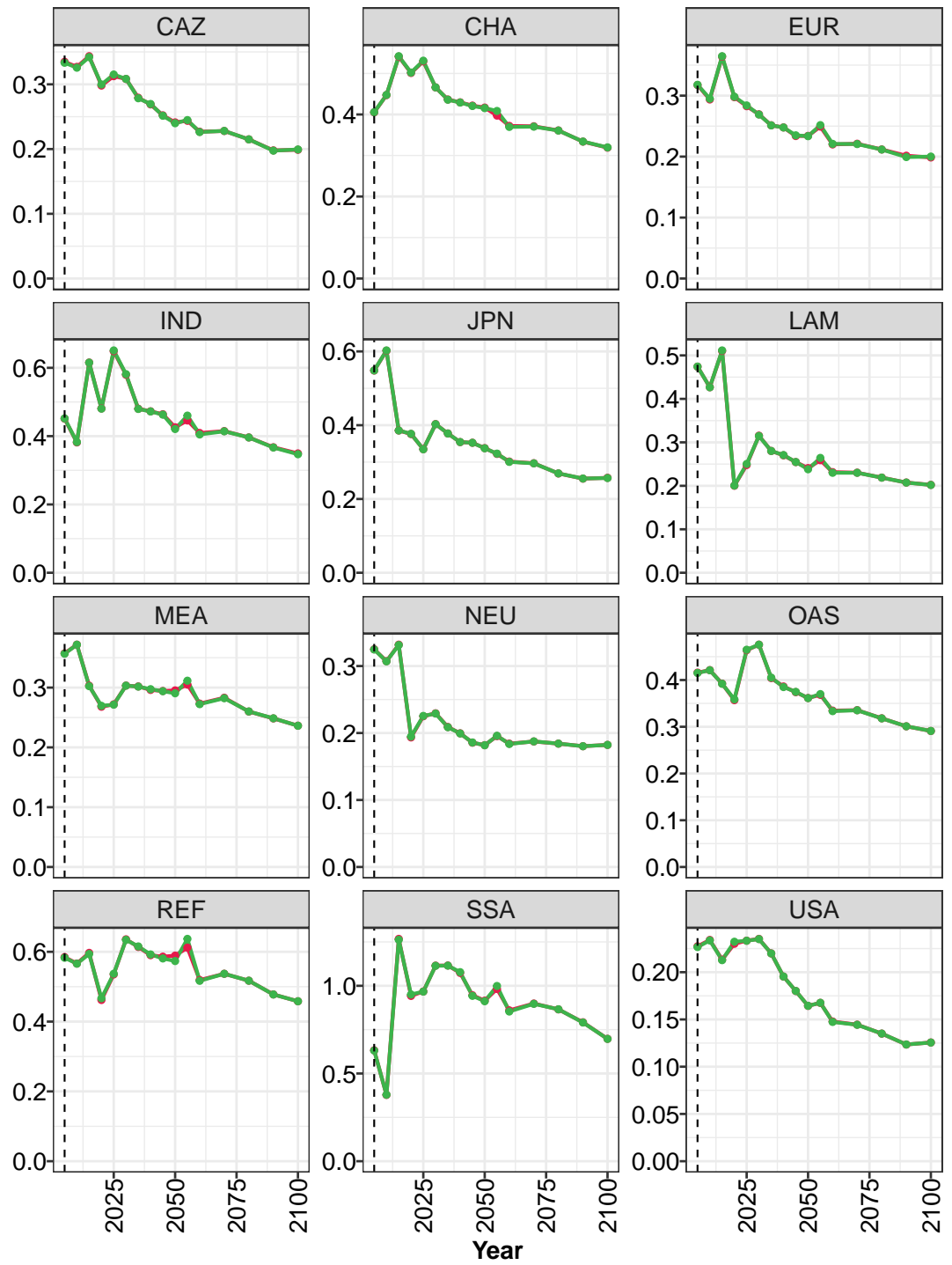
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- SSP2EU-NPi-calibrate-ETPfix



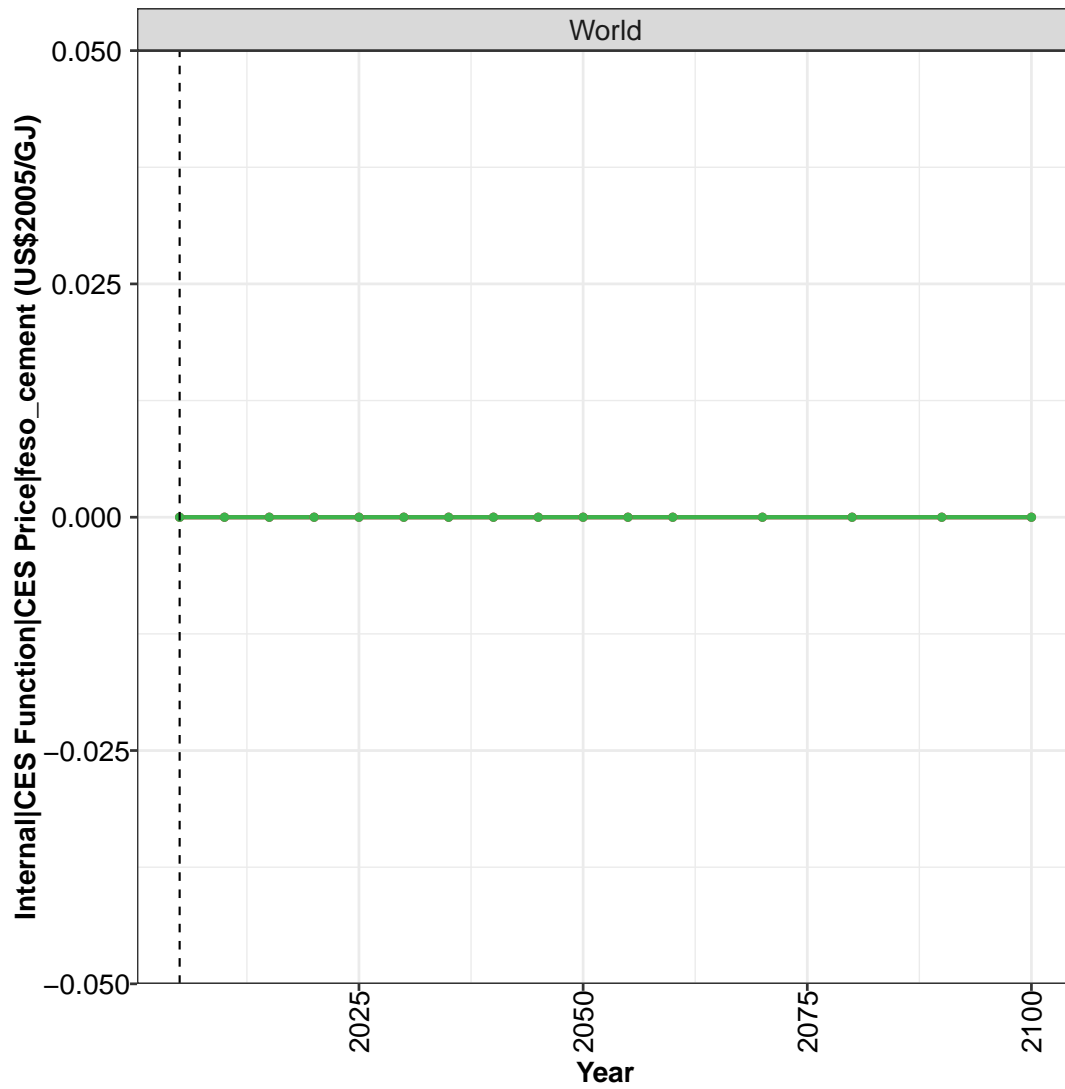


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

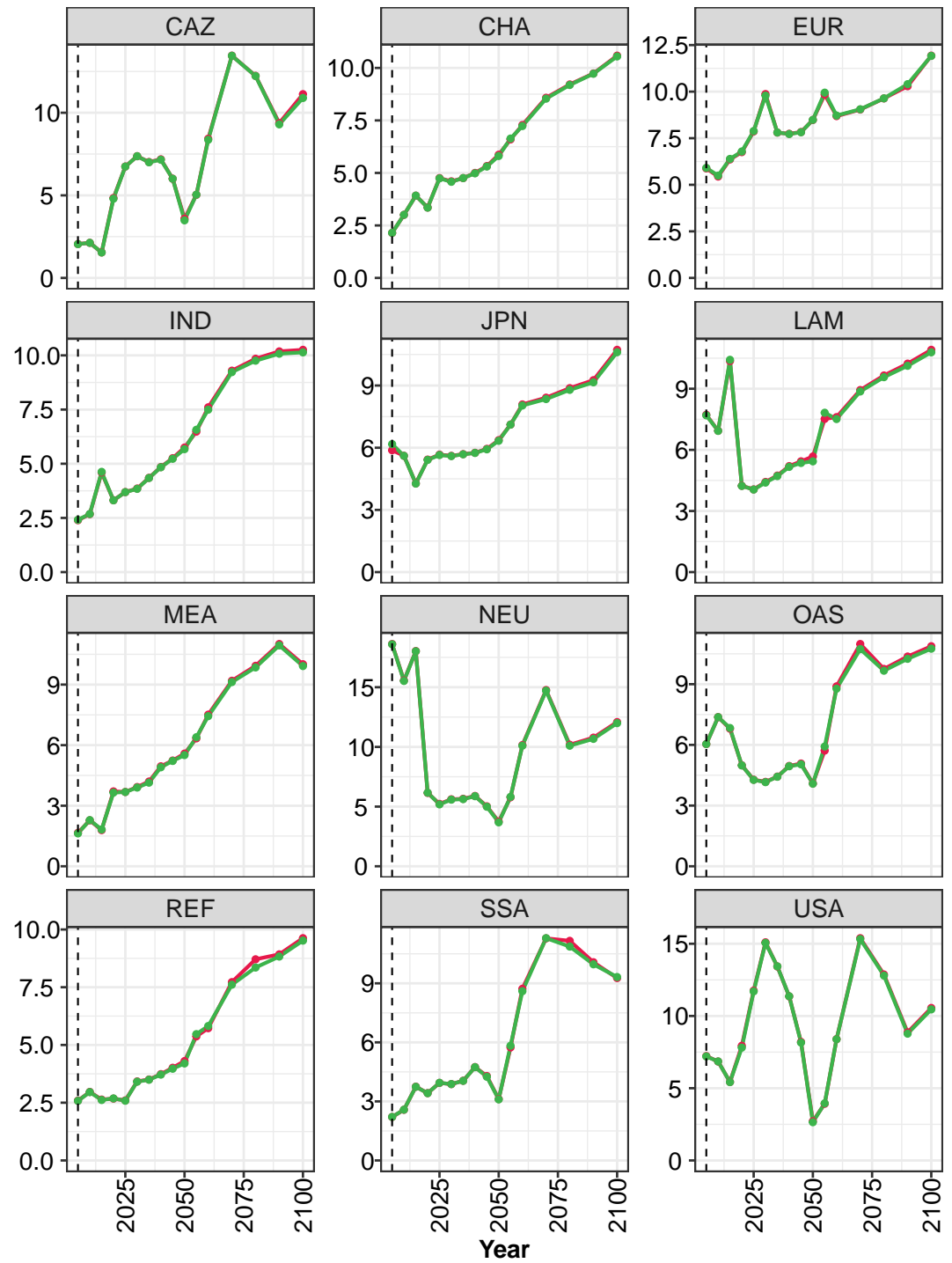


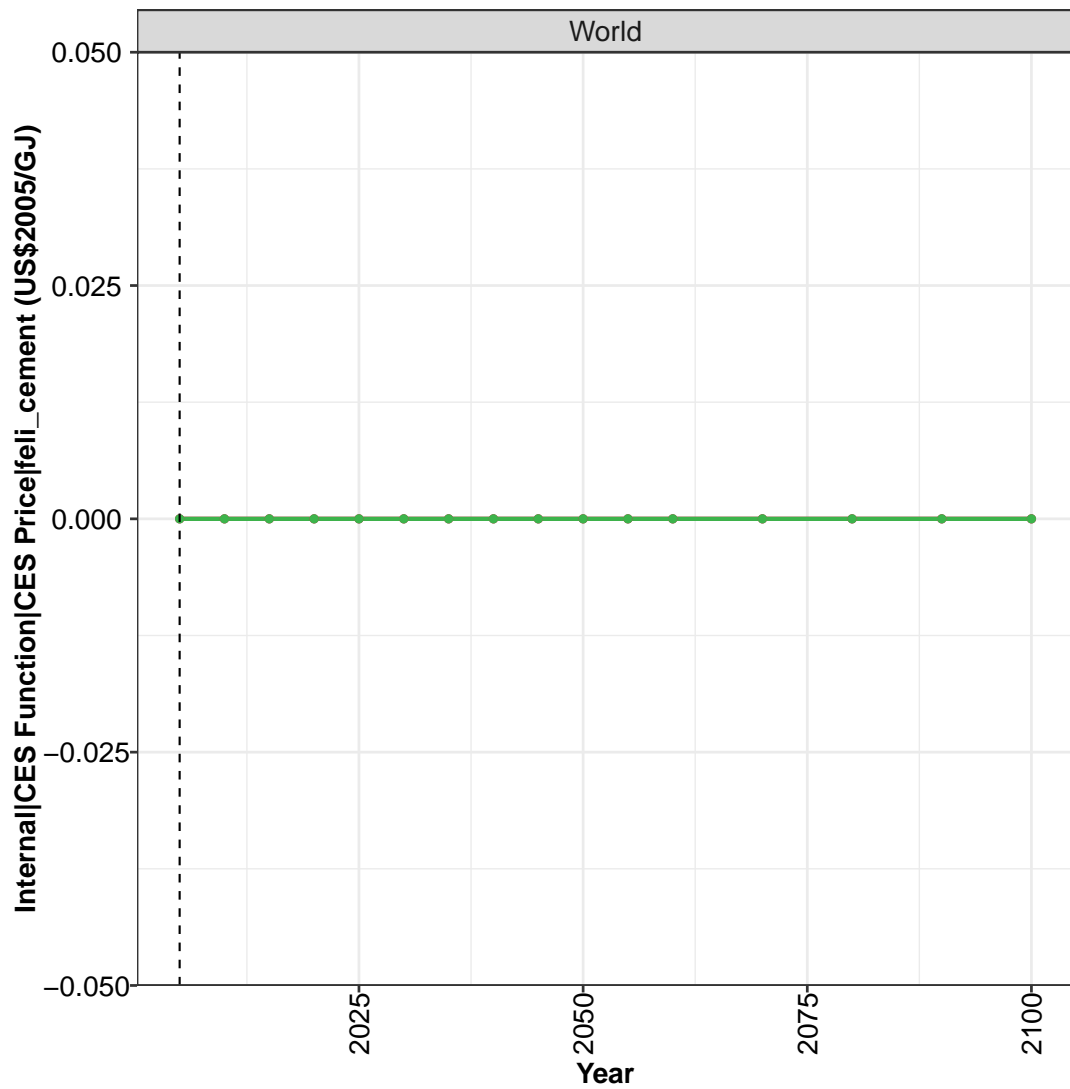
12.1.2.3 Cement



Model: REMIND

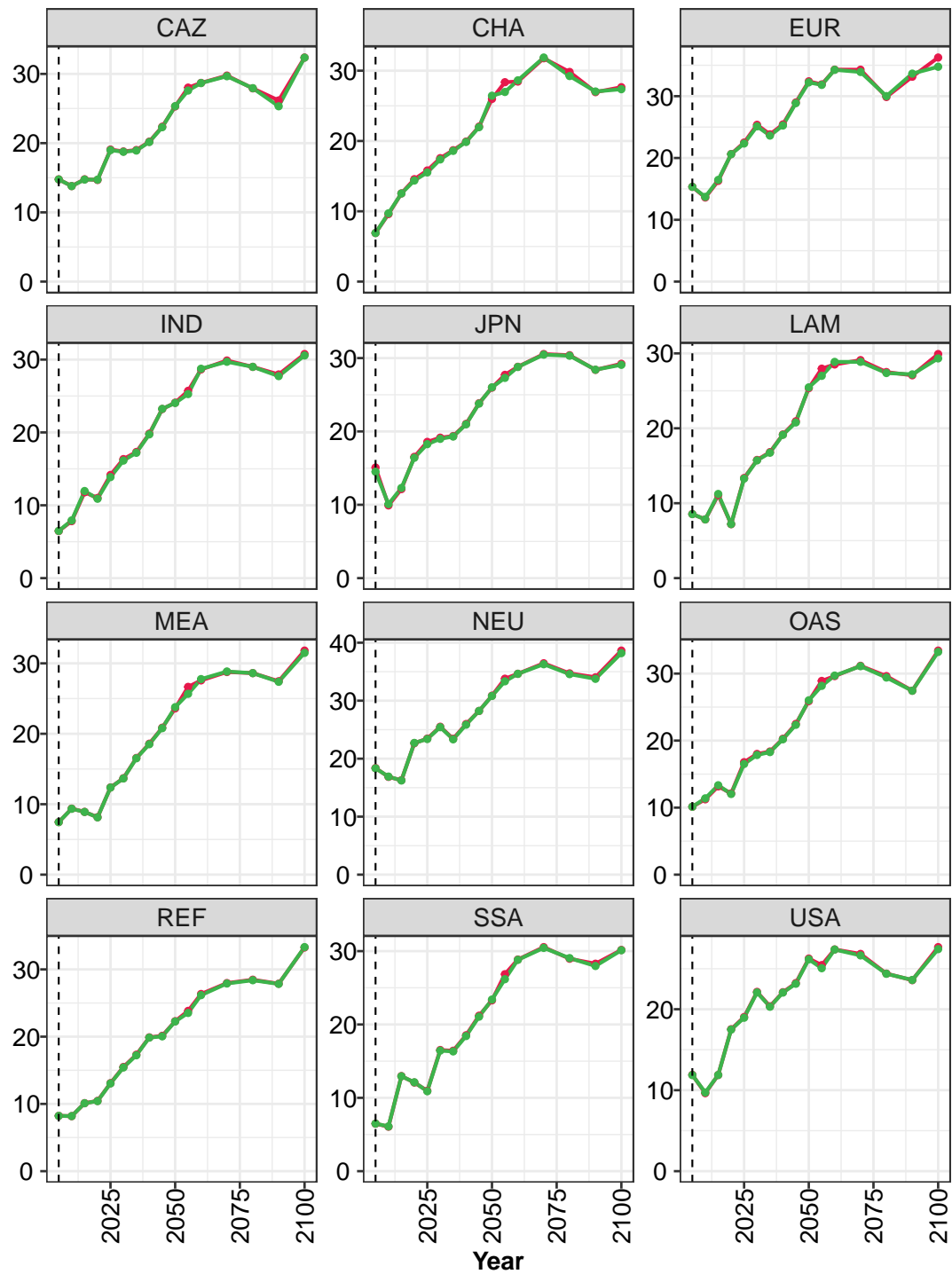
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

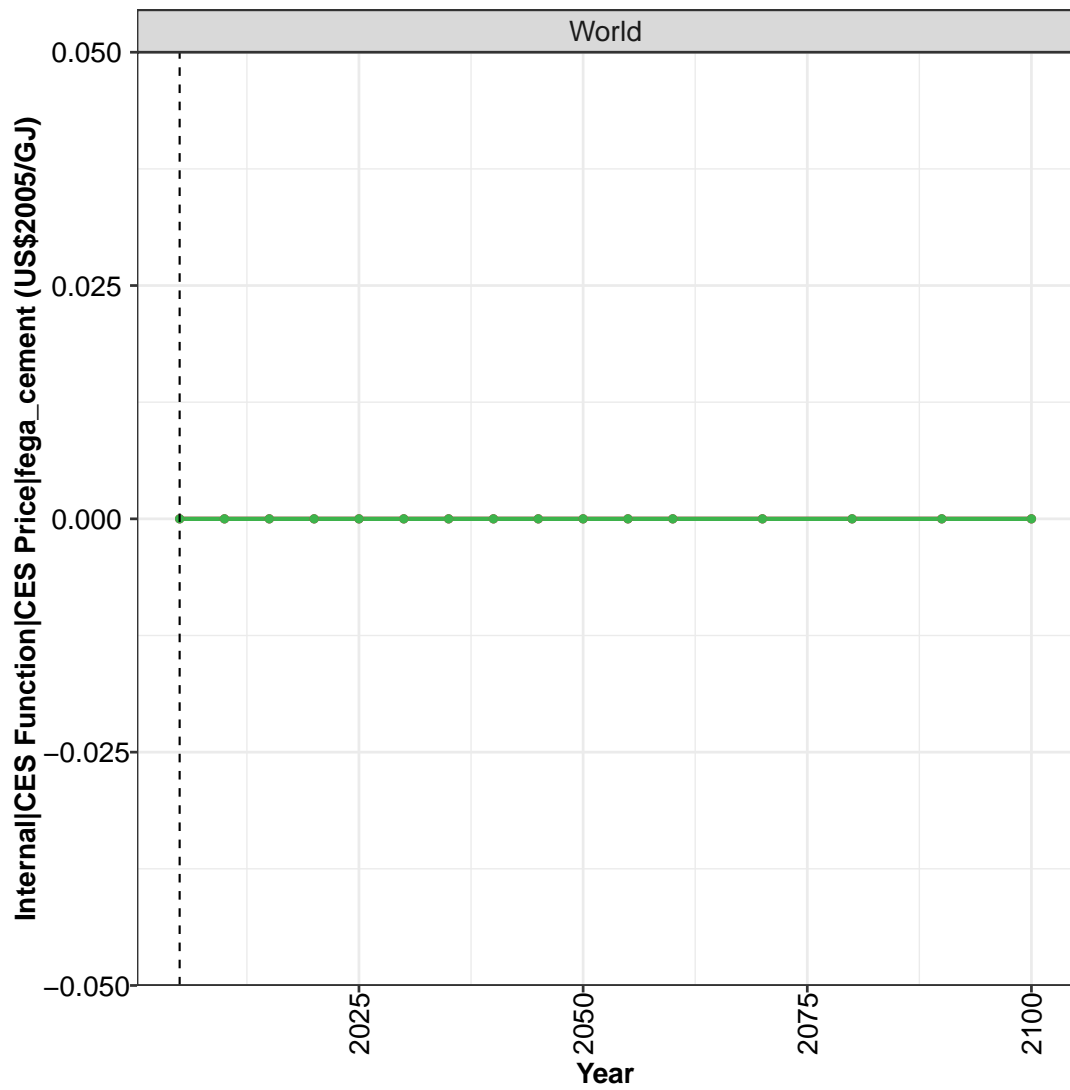




Model: REMIND

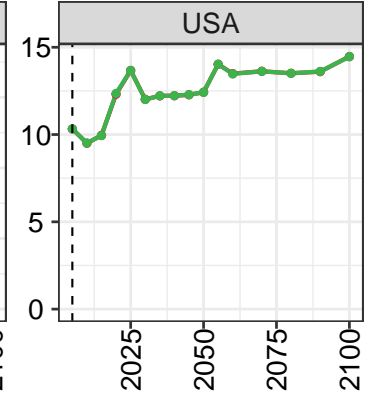
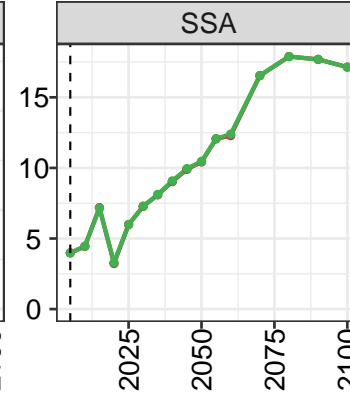
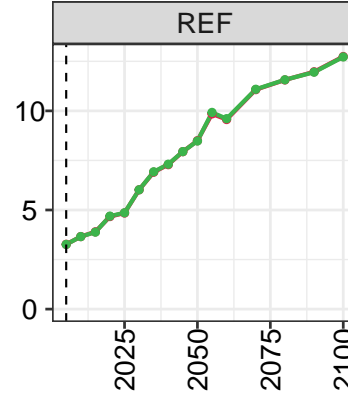
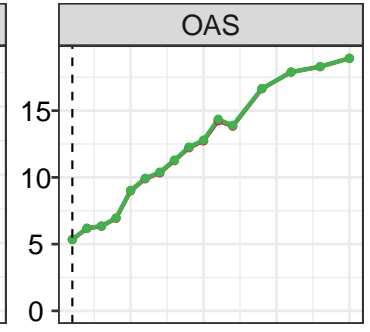
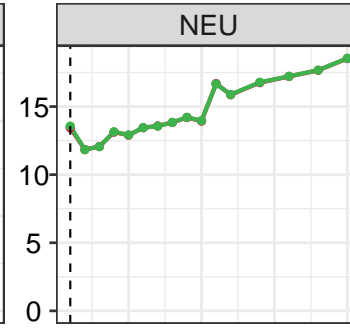
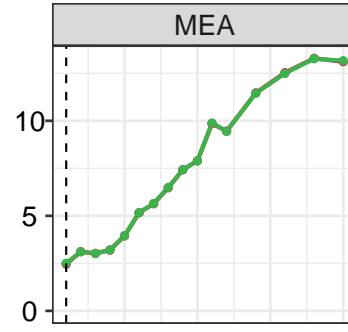
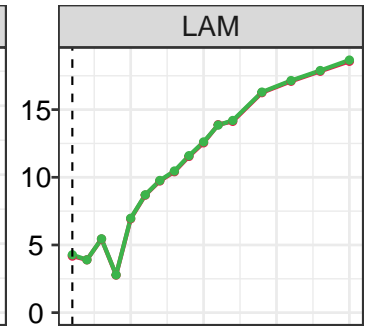
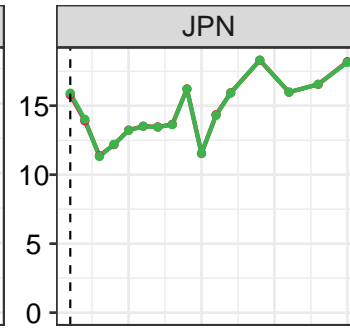
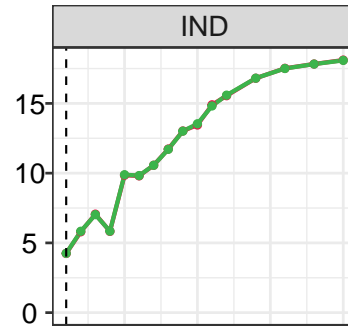
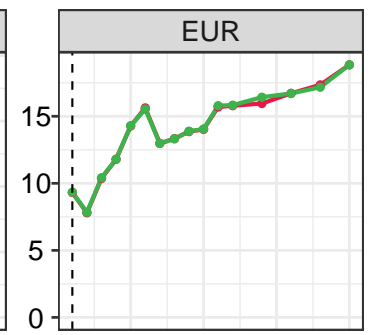
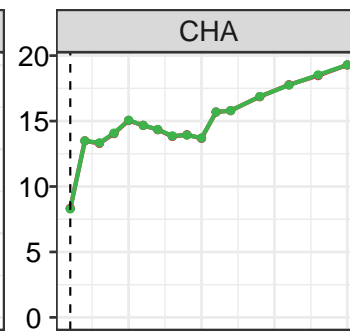
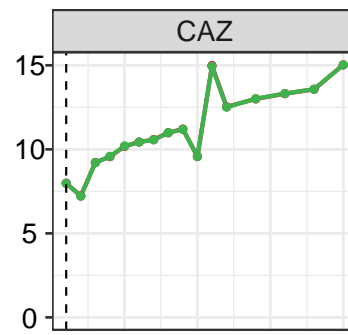
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

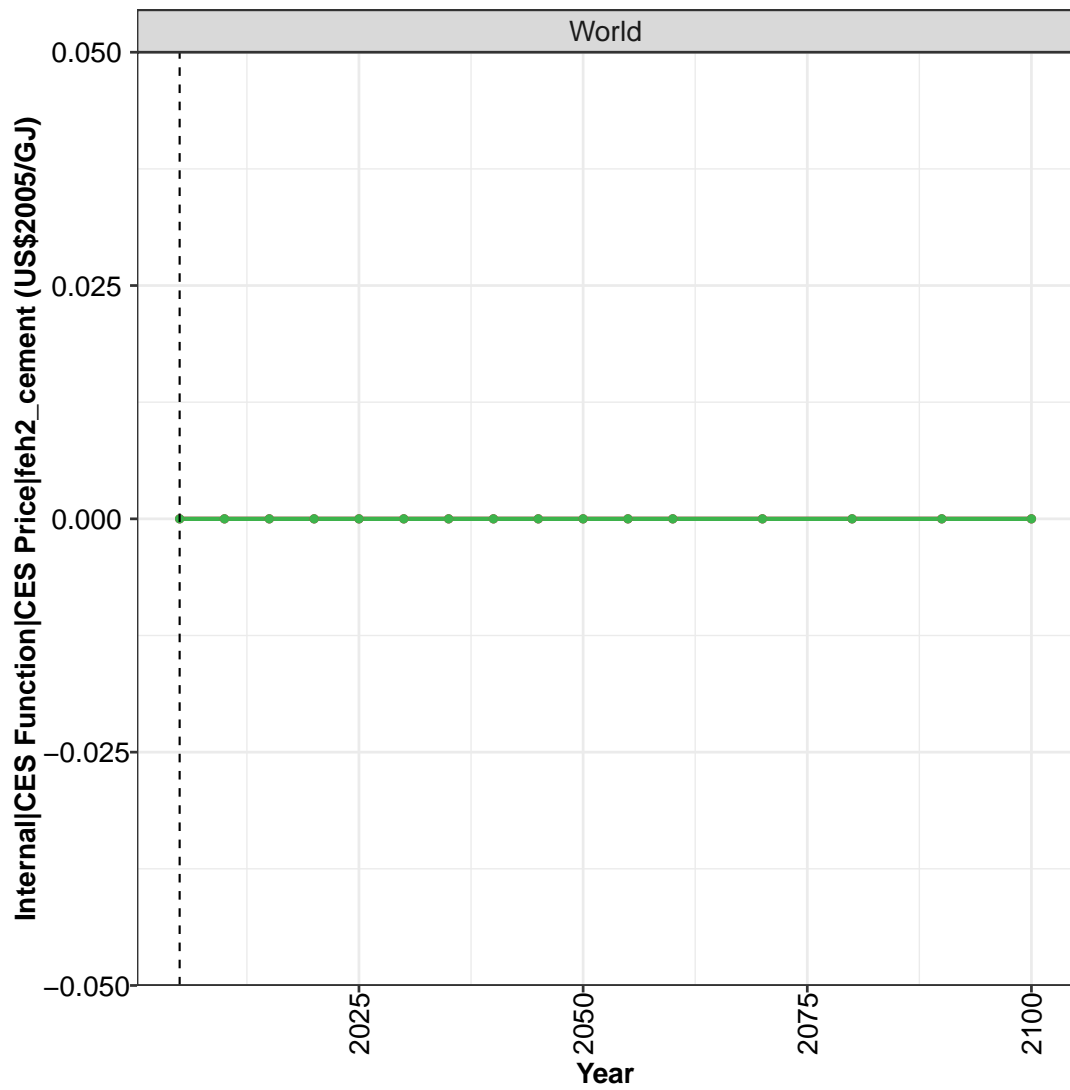




Model: REMIND

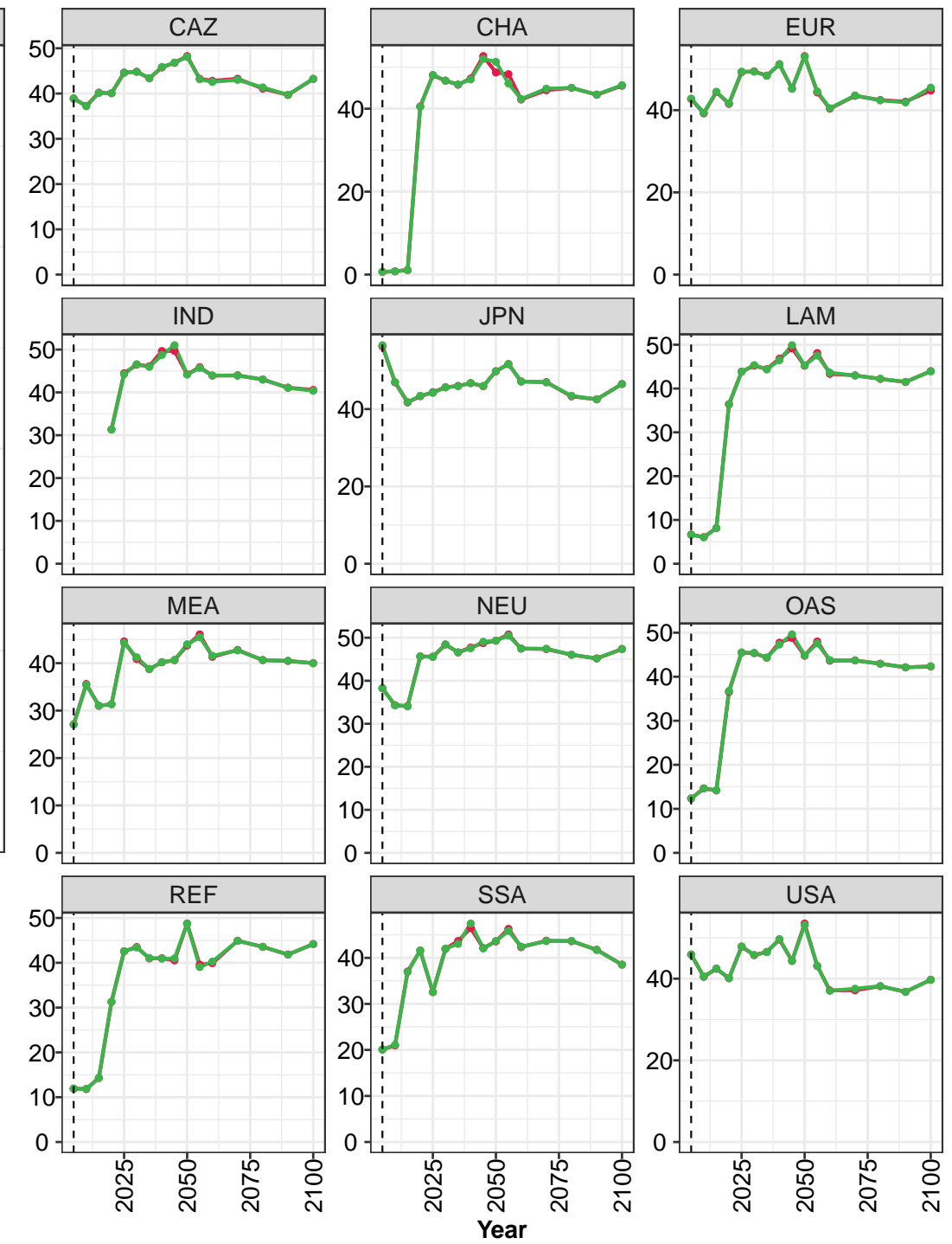
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

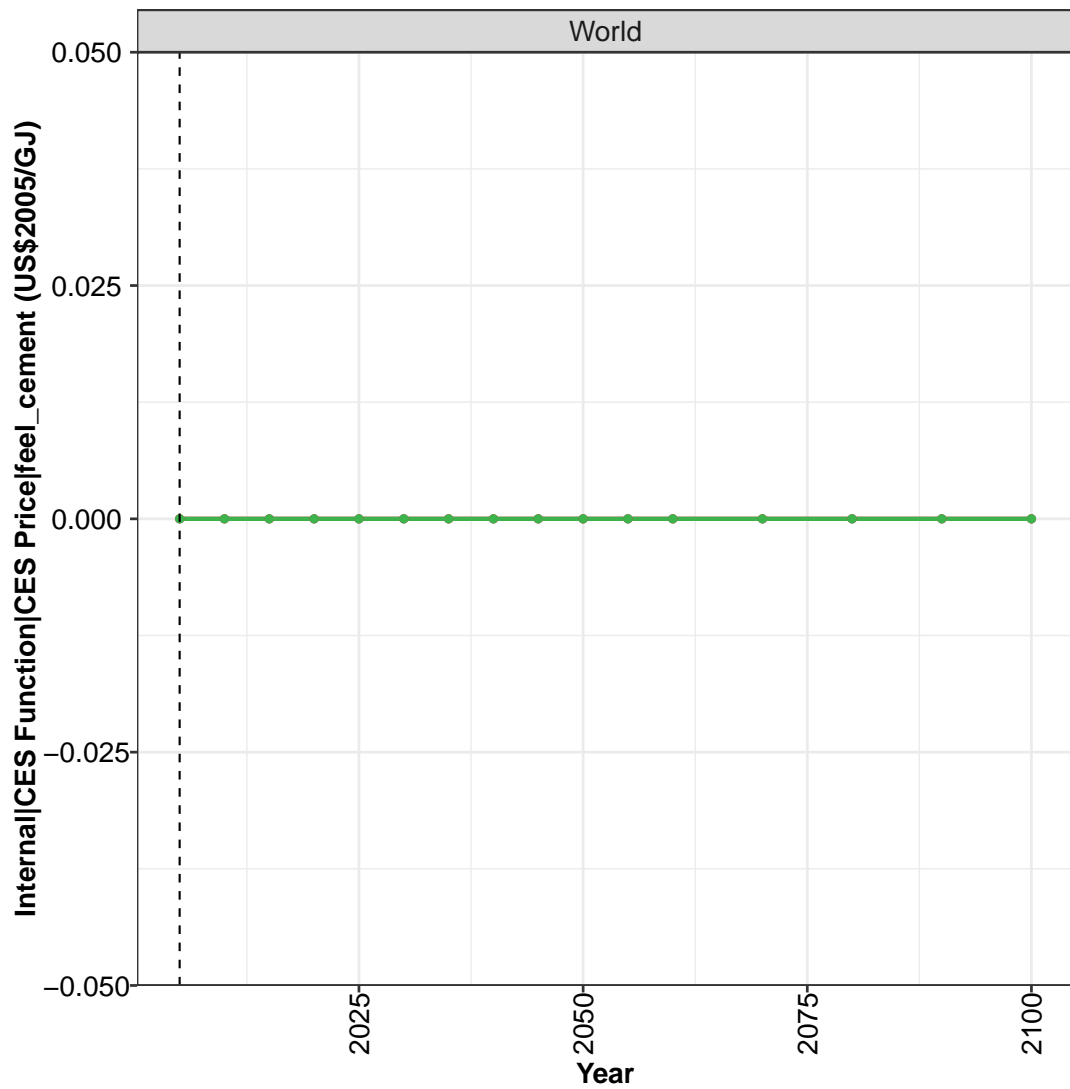




Model: REMIND

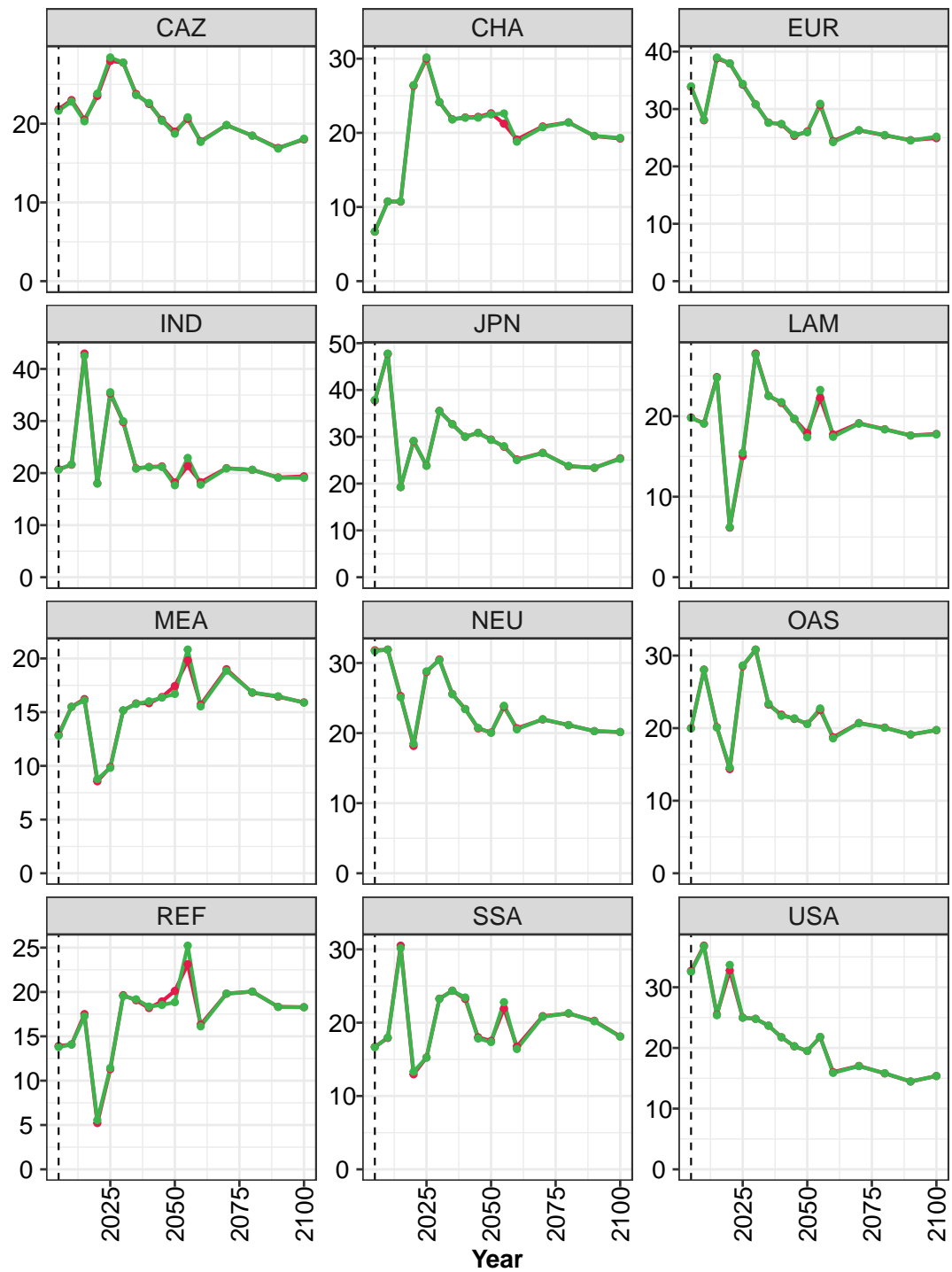
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

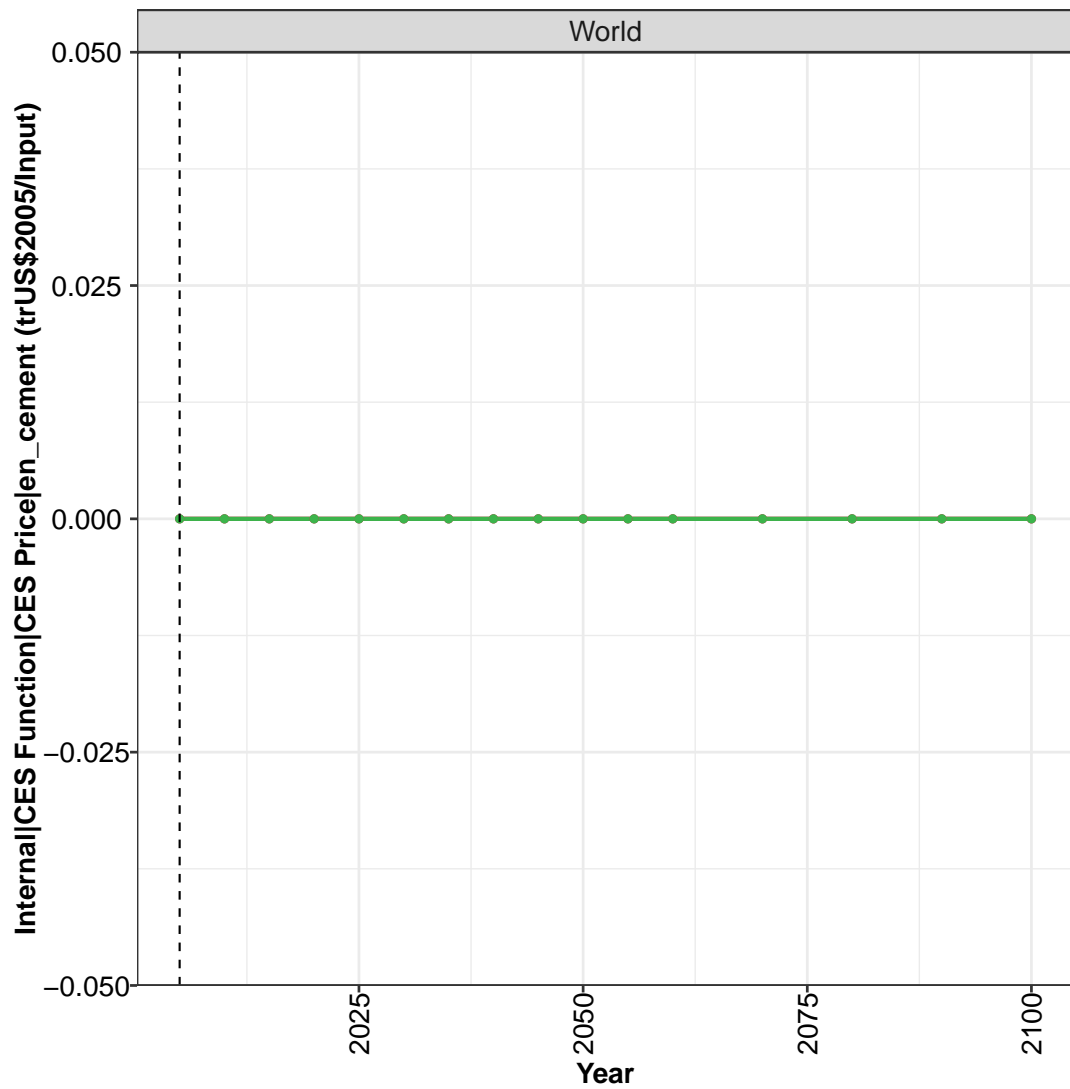




Model: REMIND

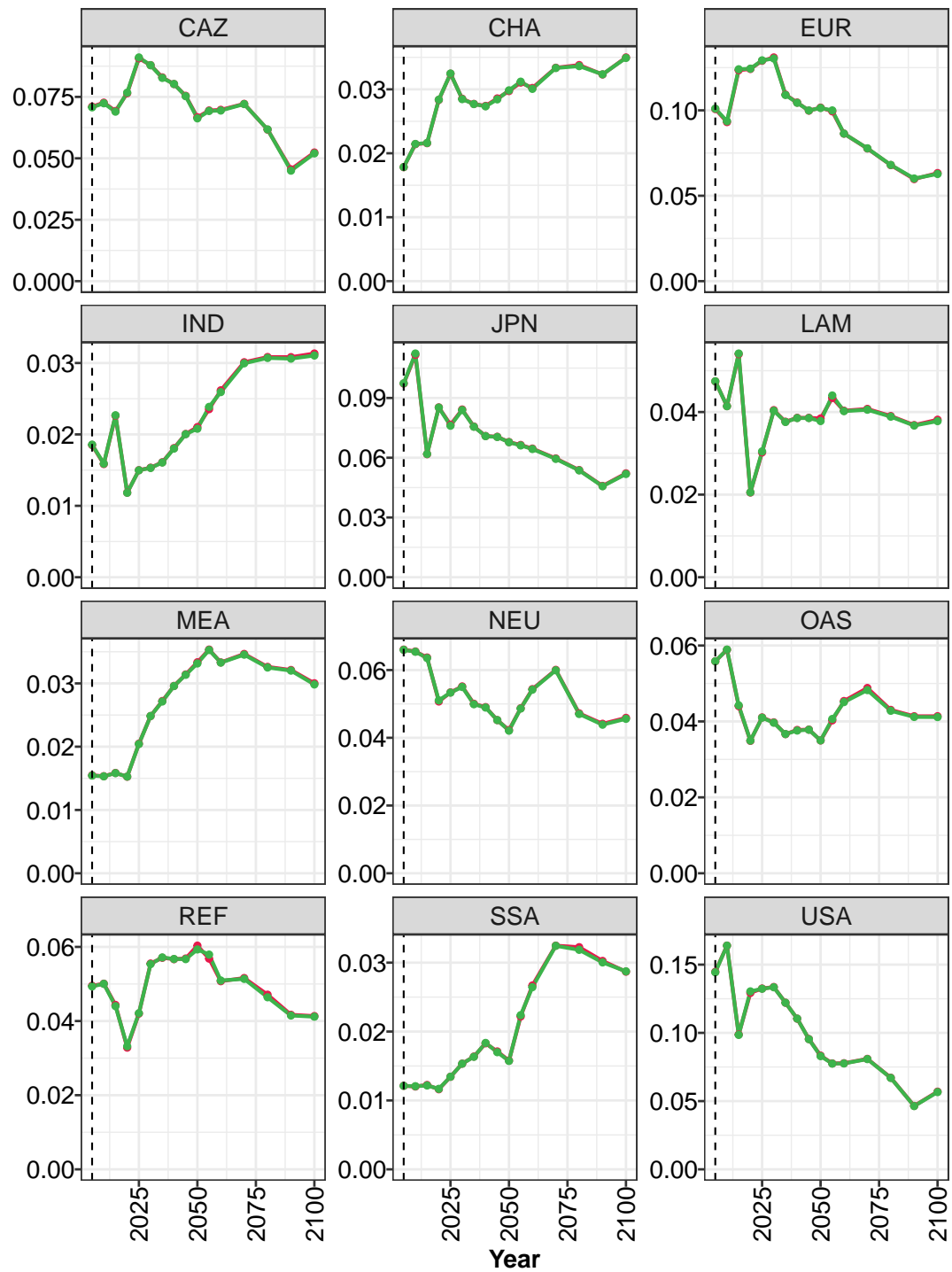
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

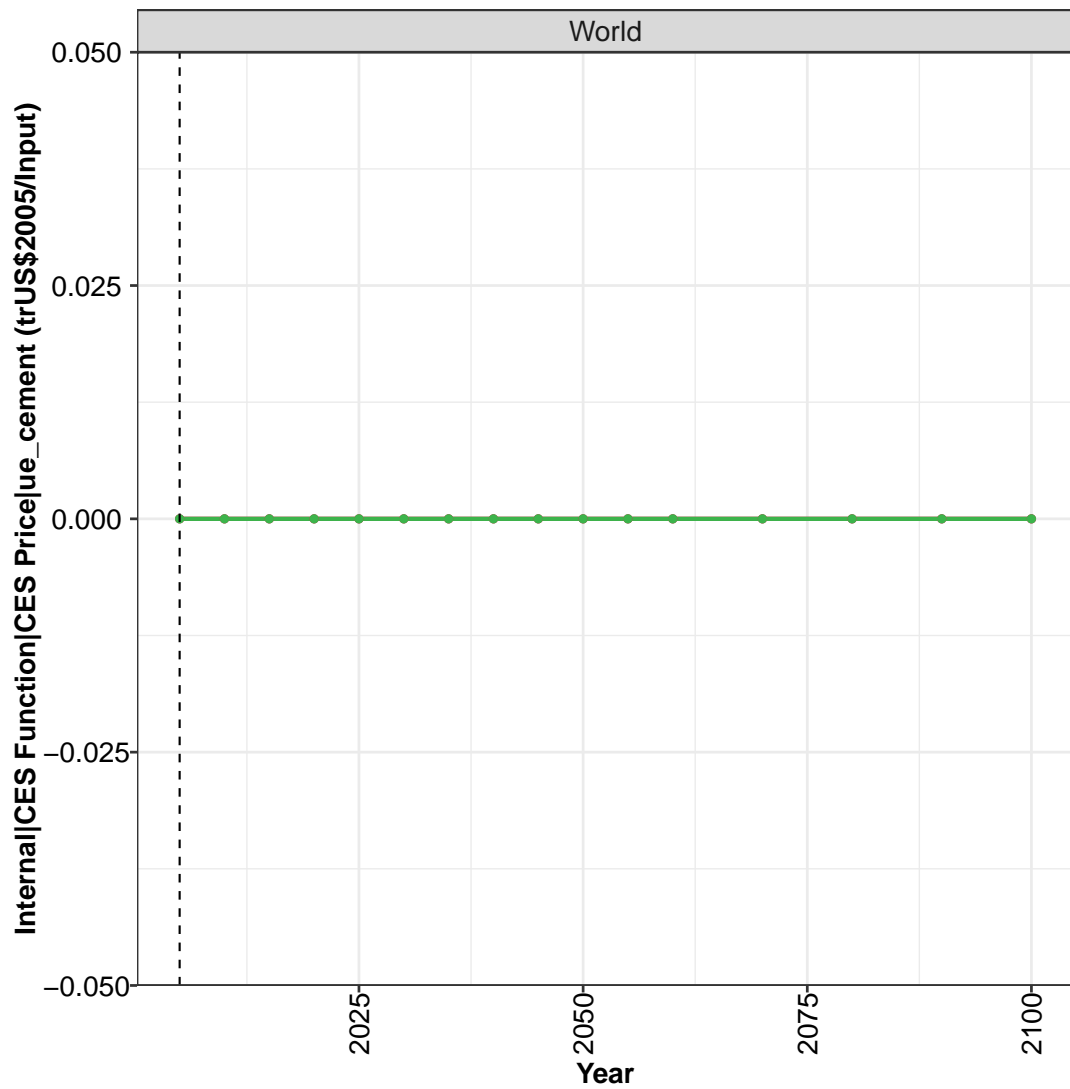




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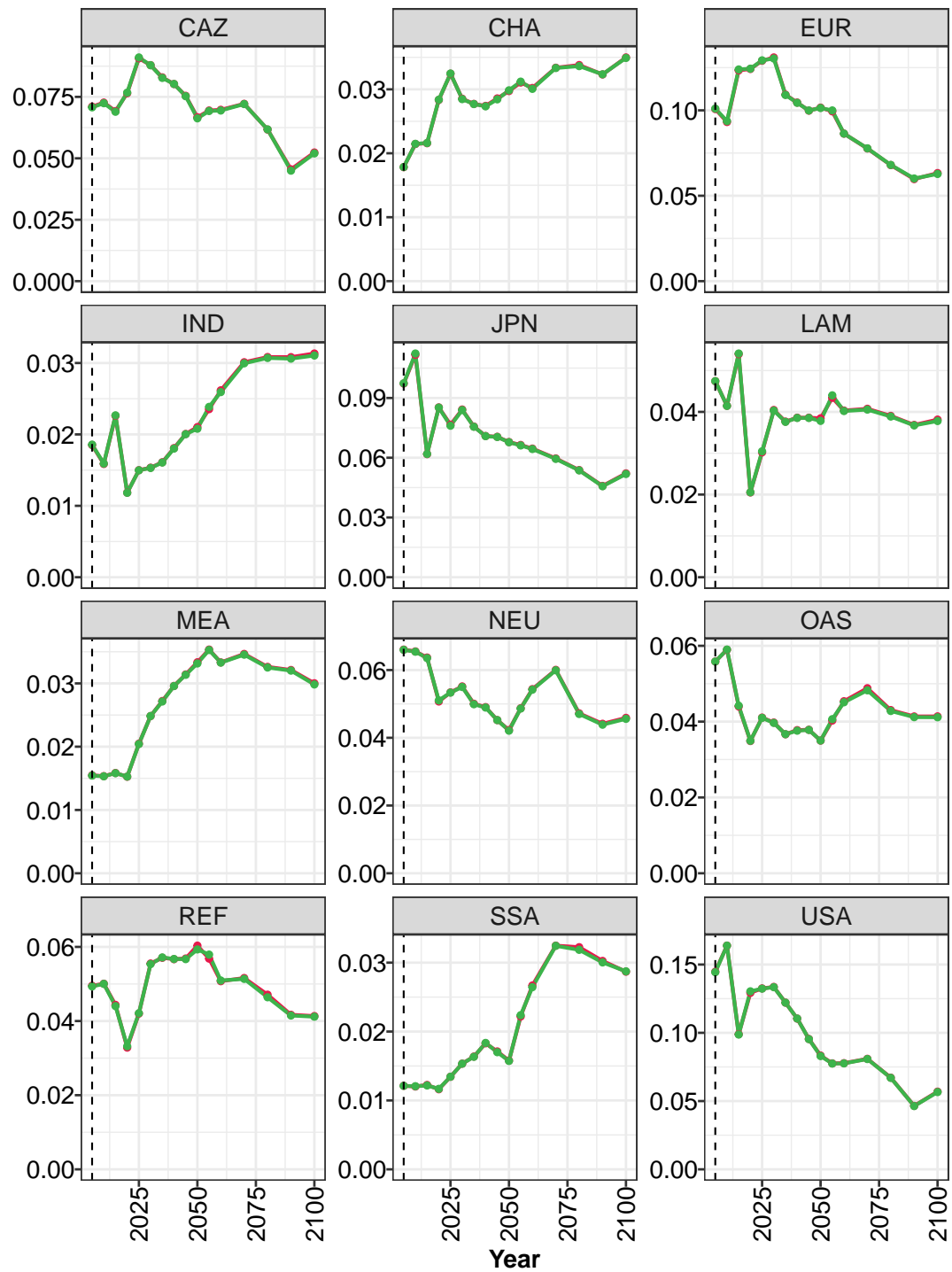
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



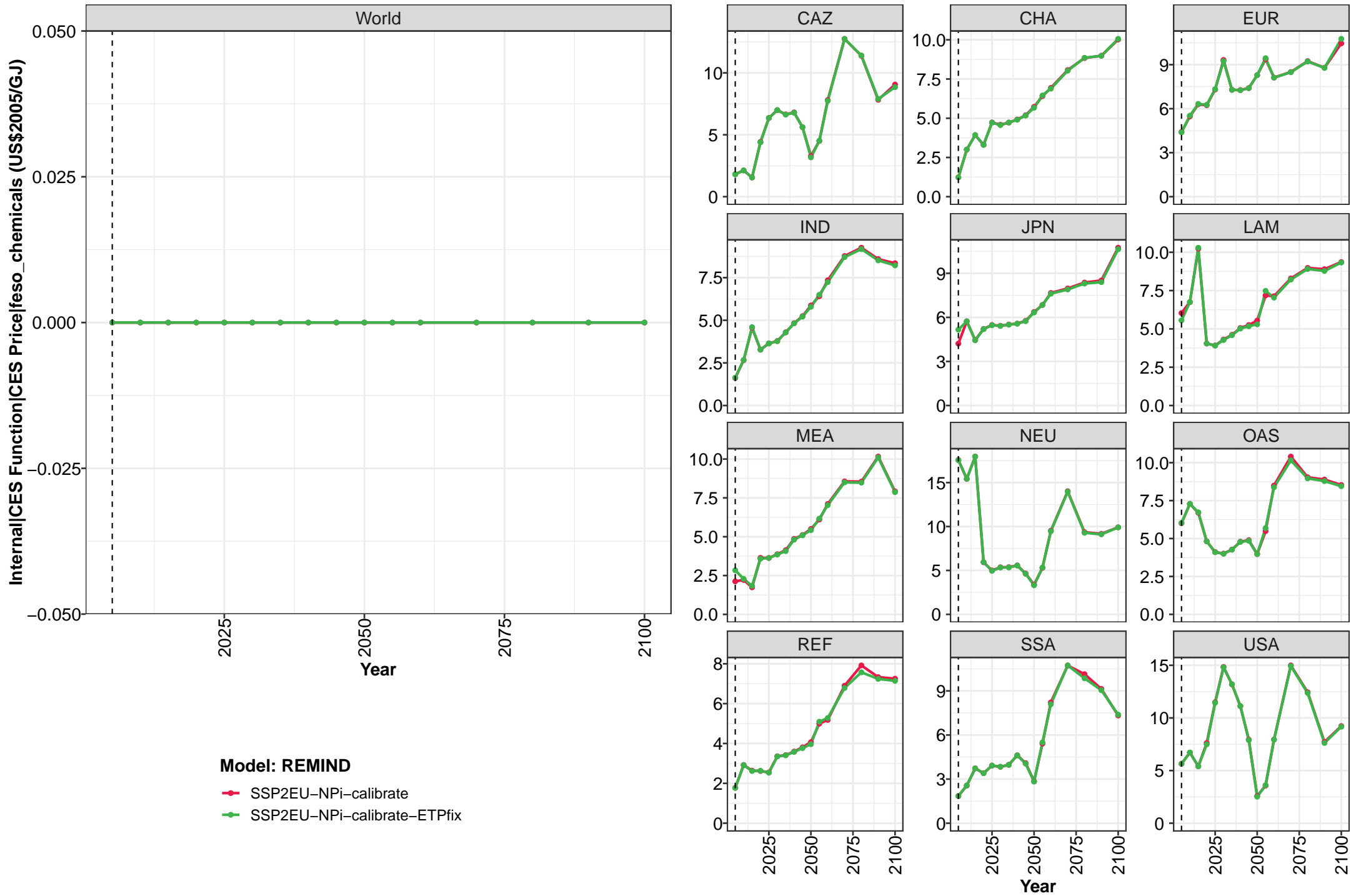


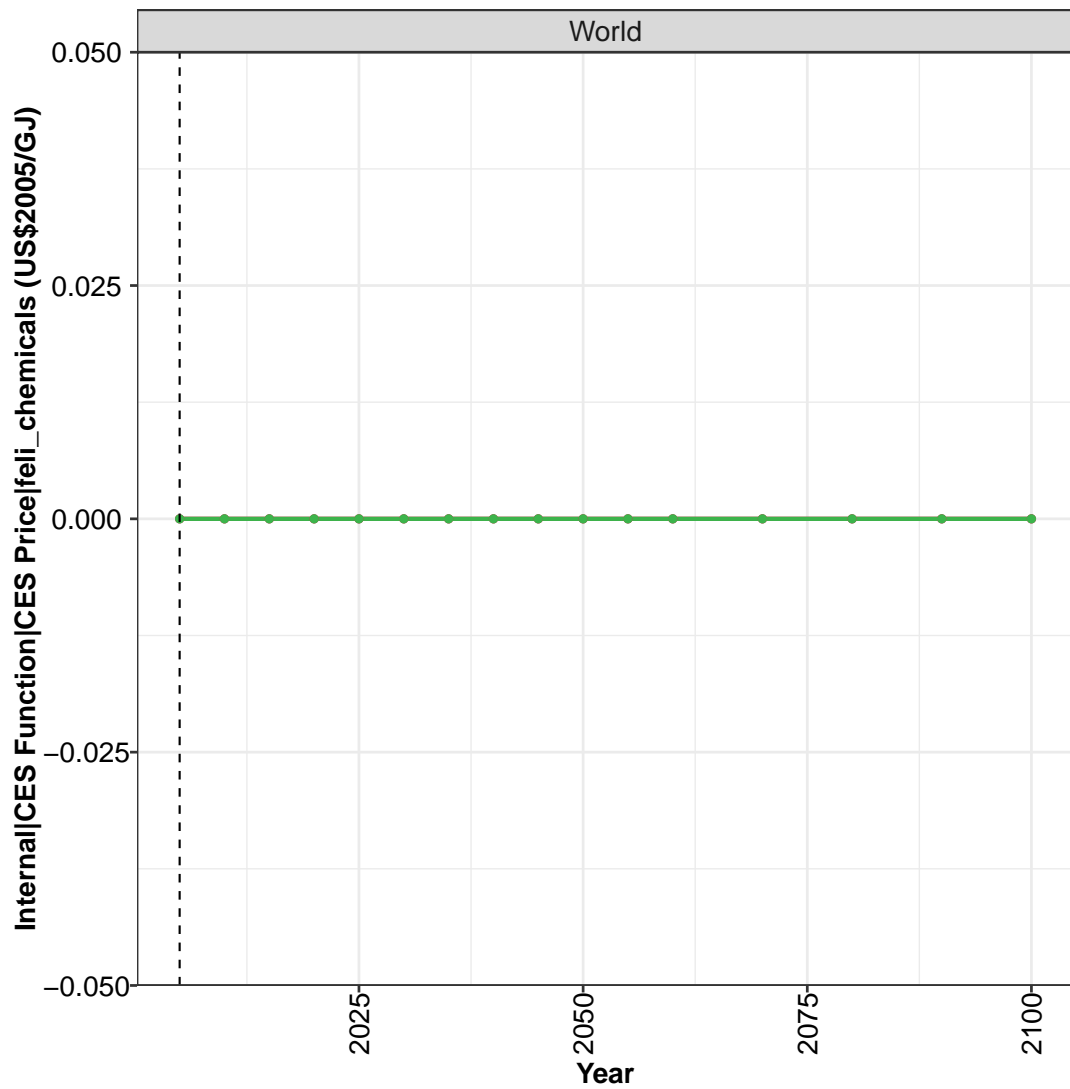
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



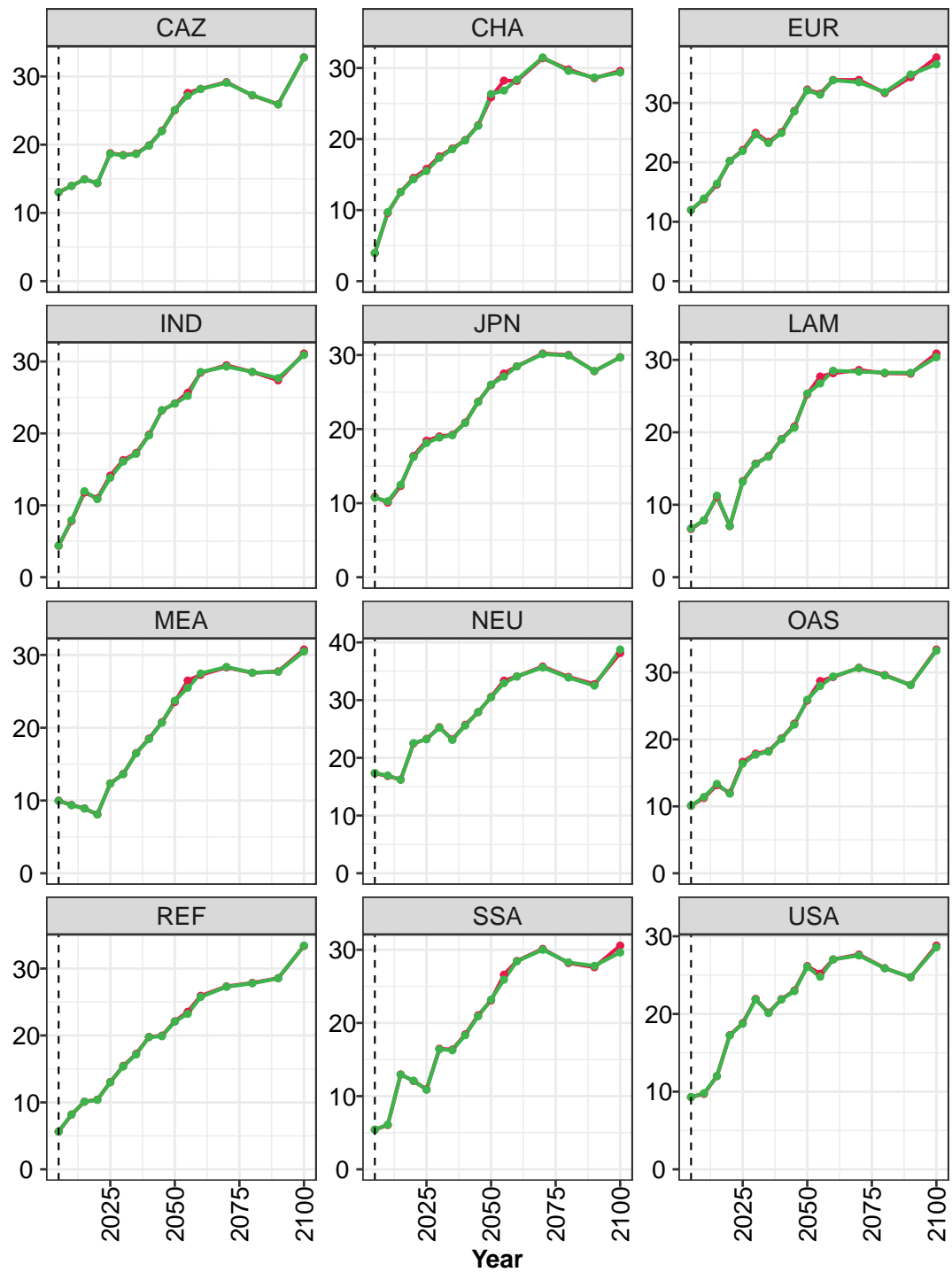
12.1.2.4 Chemicals

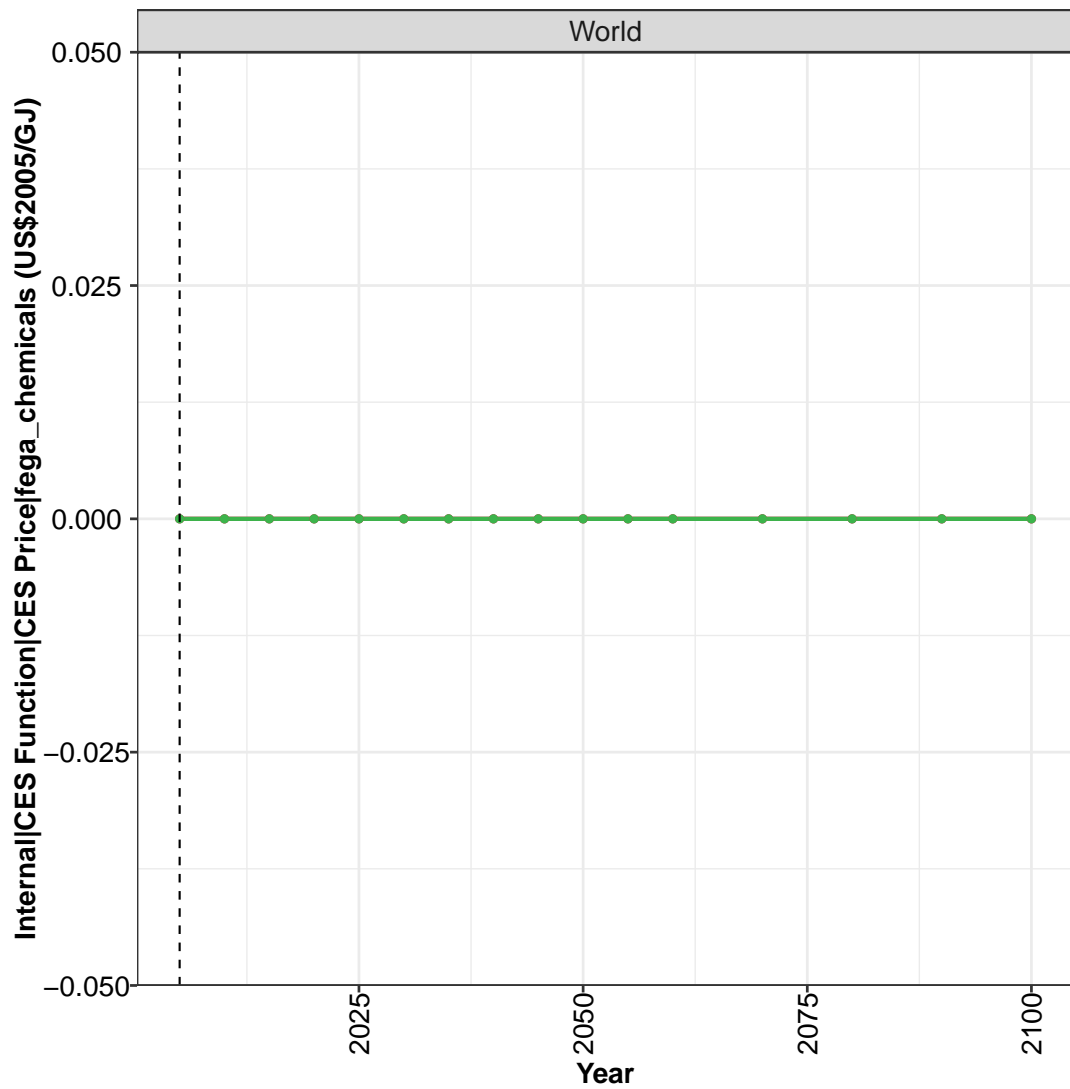




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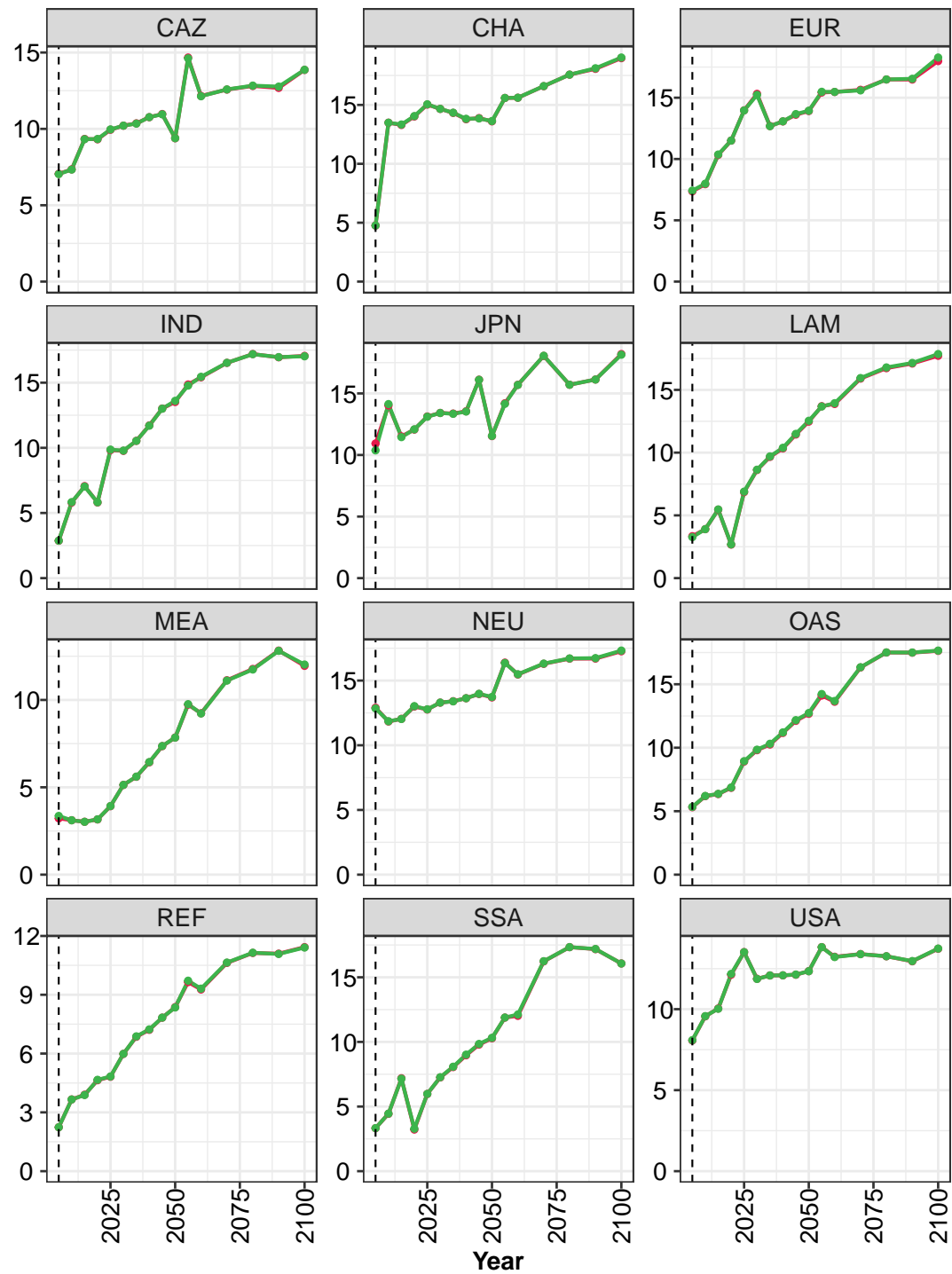
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

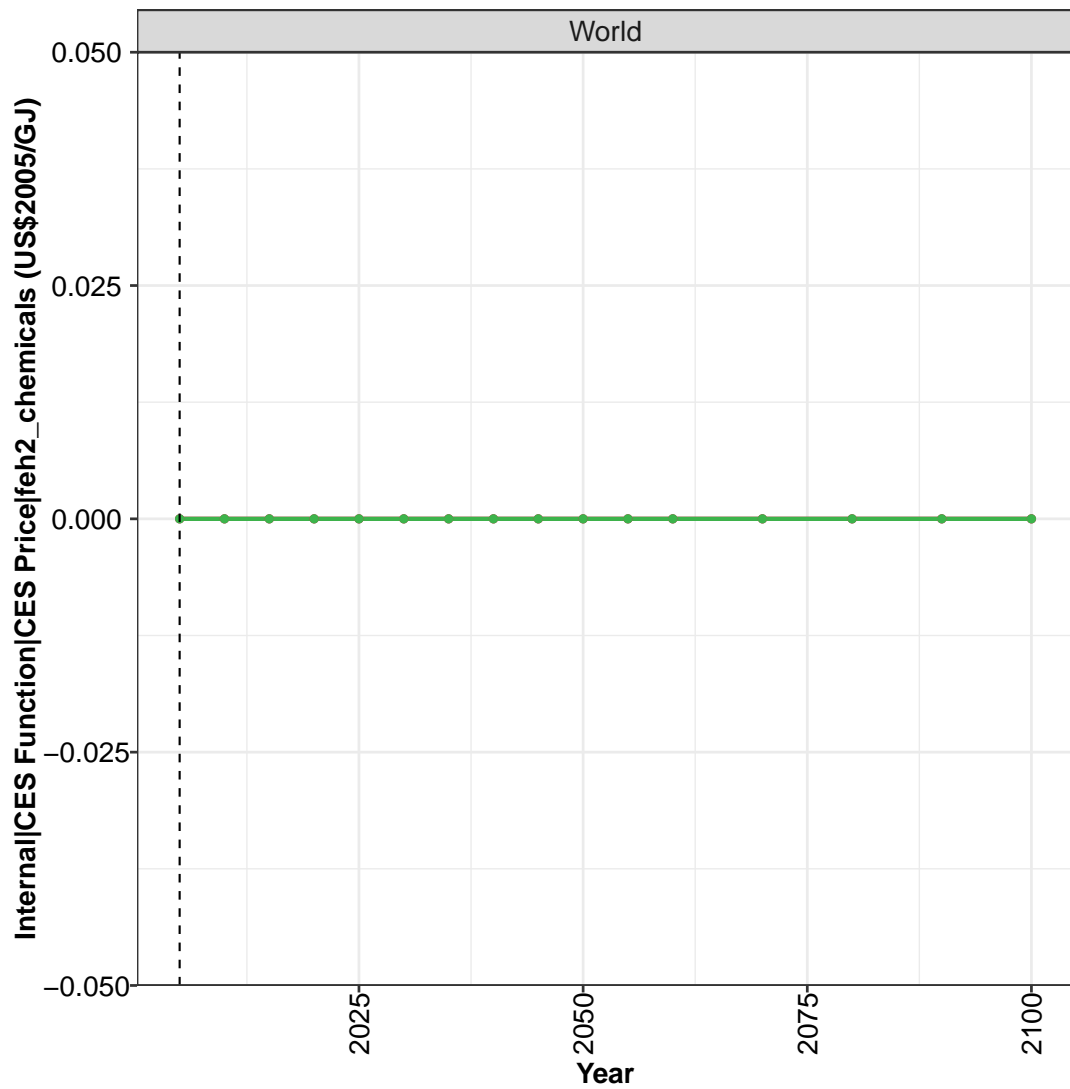




Model: REMIND

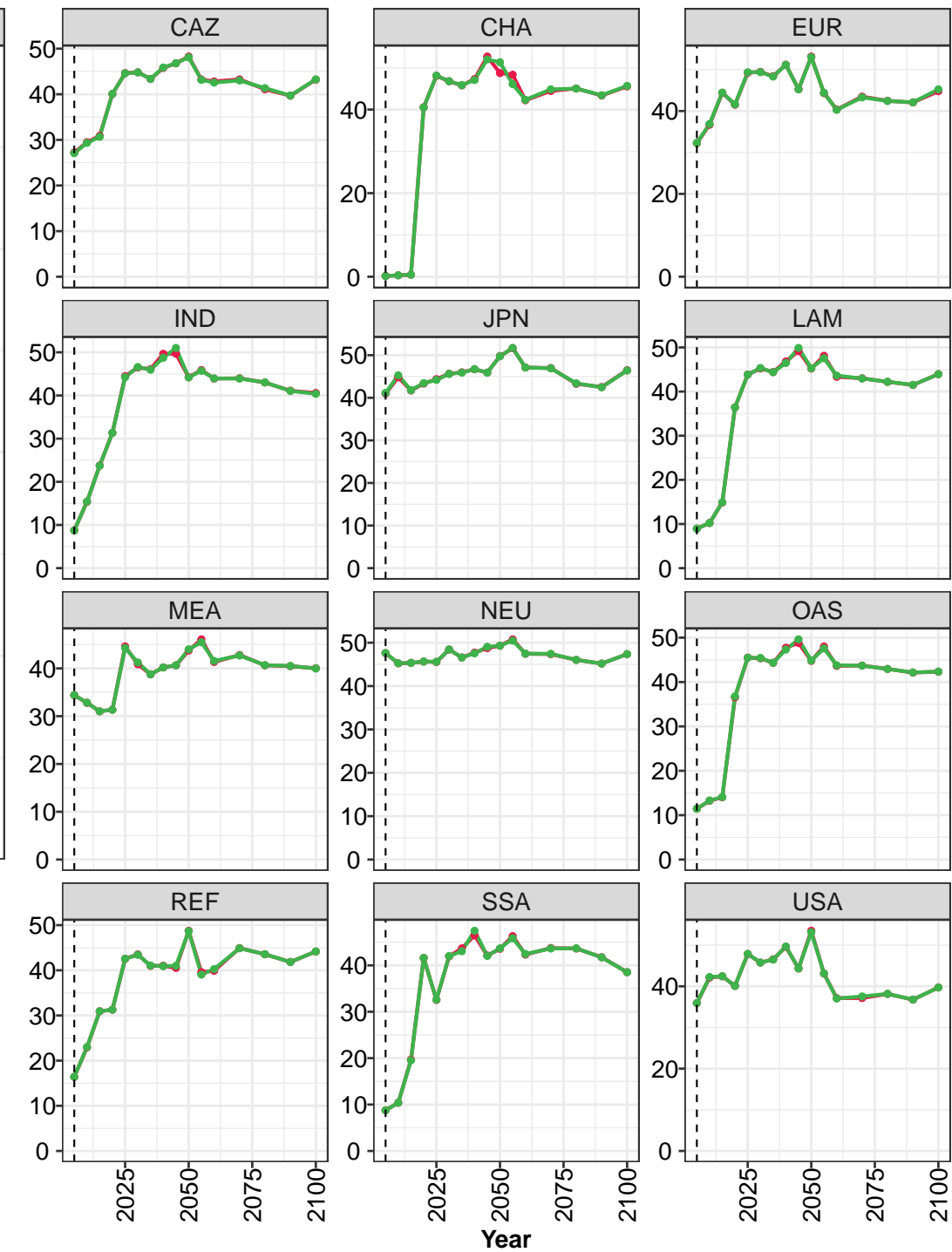
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

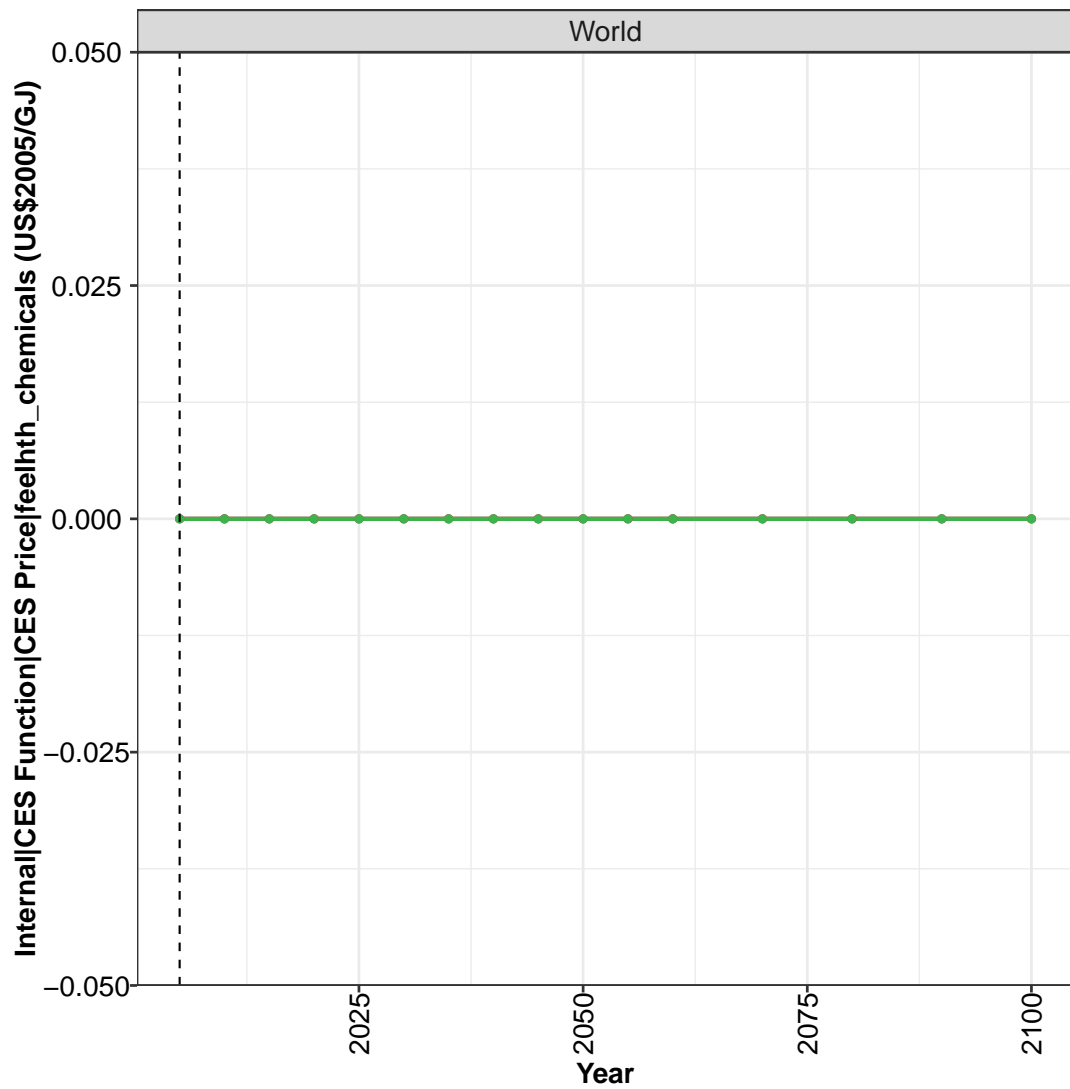




Model: REMIND

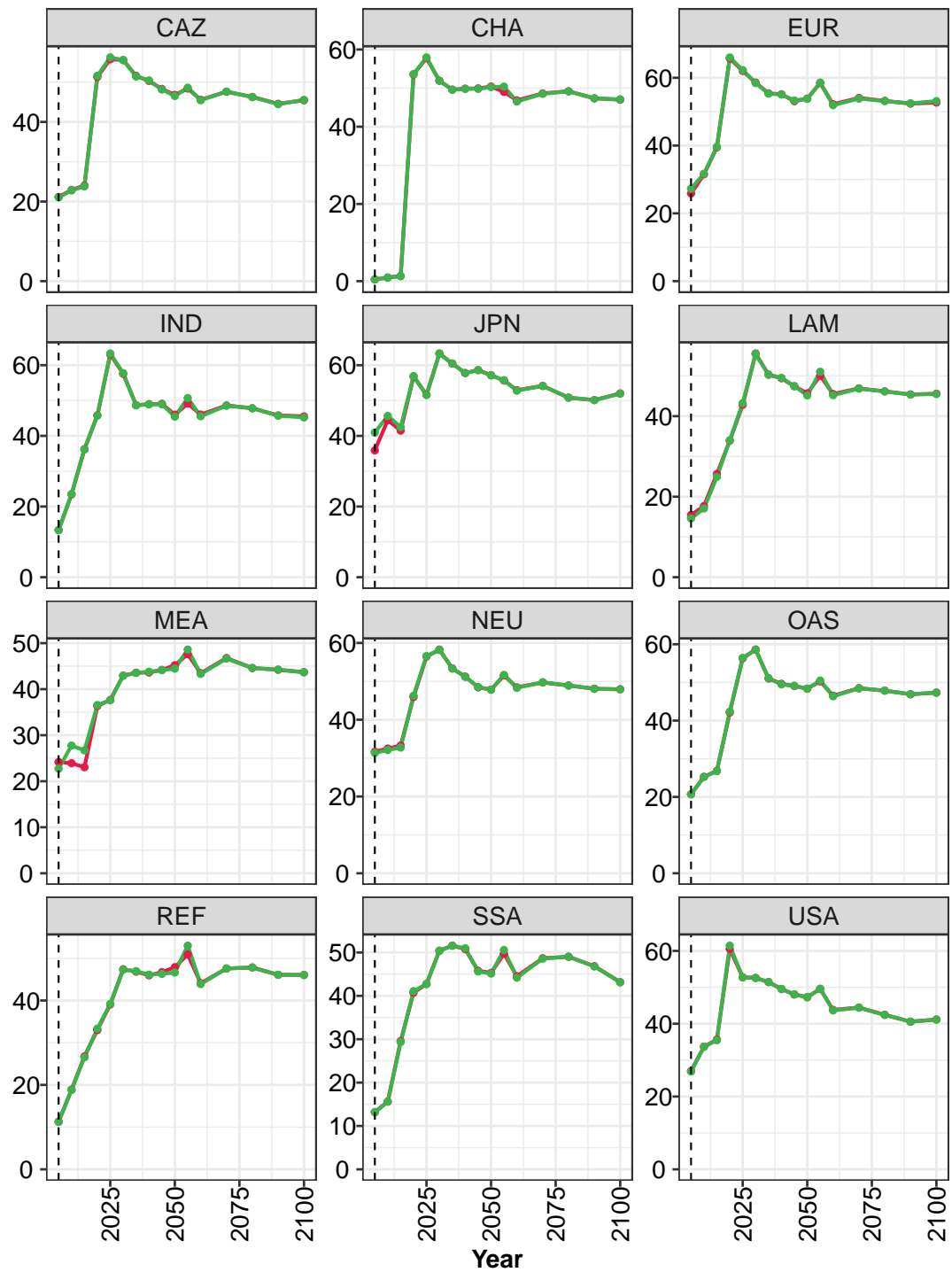
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

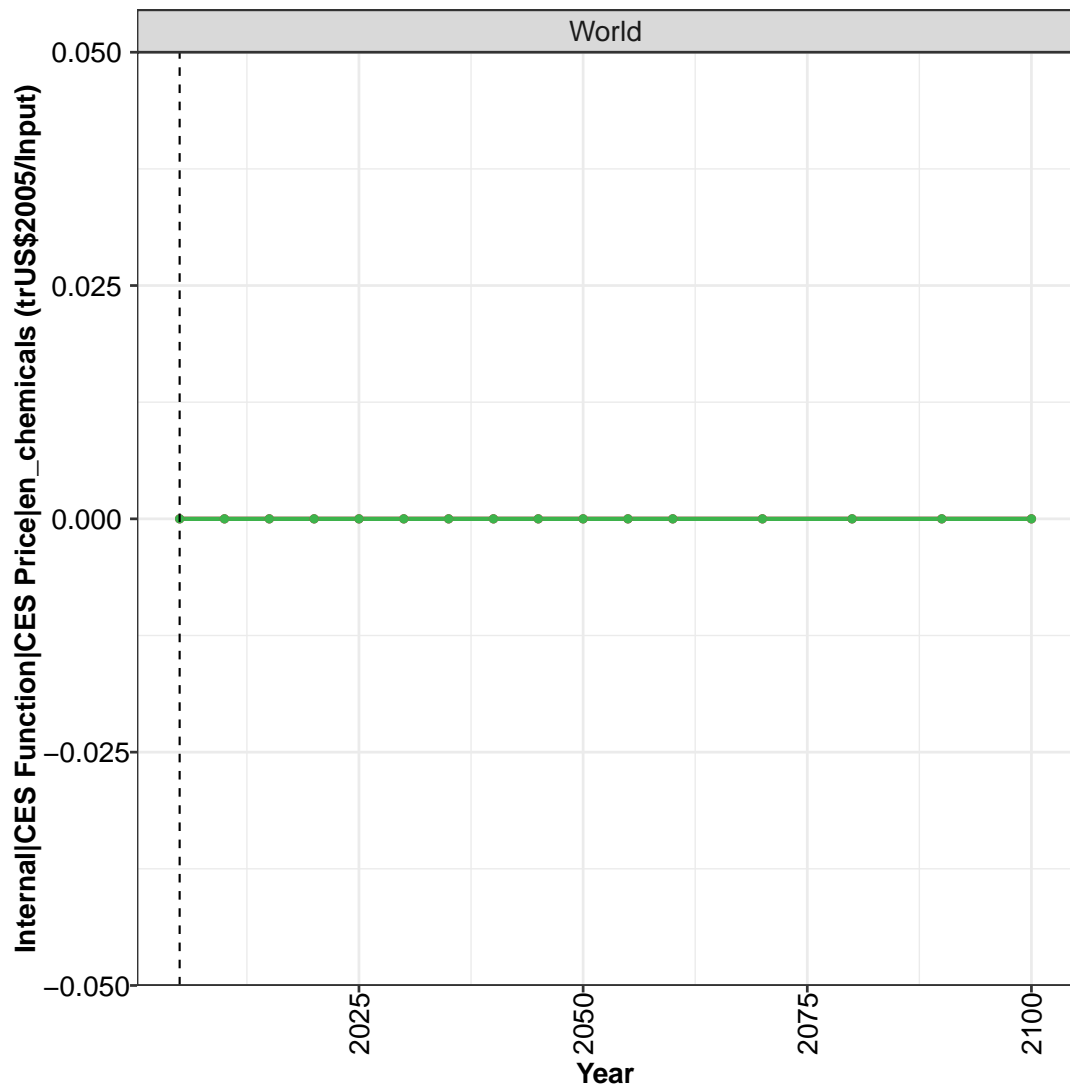




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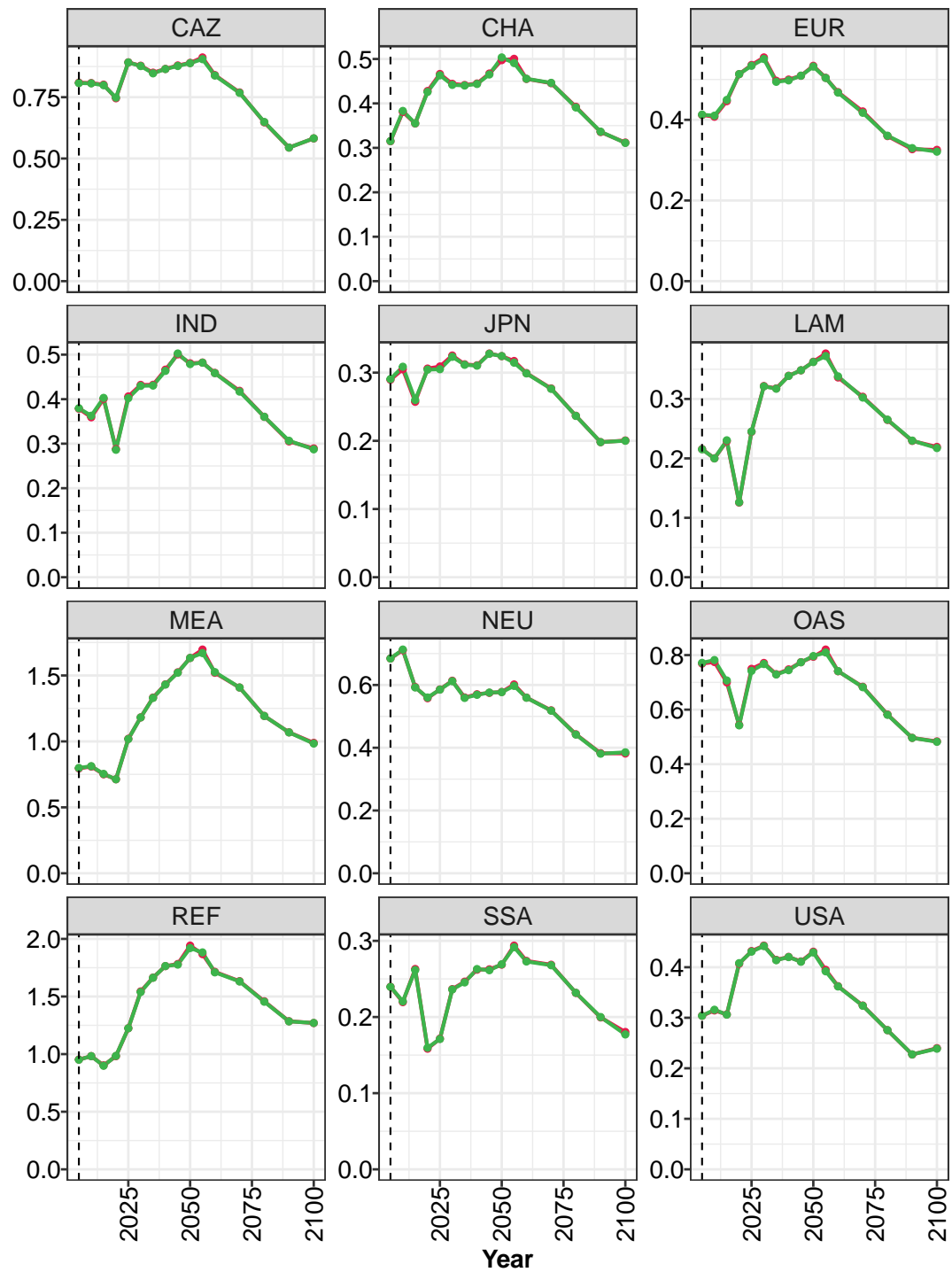
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

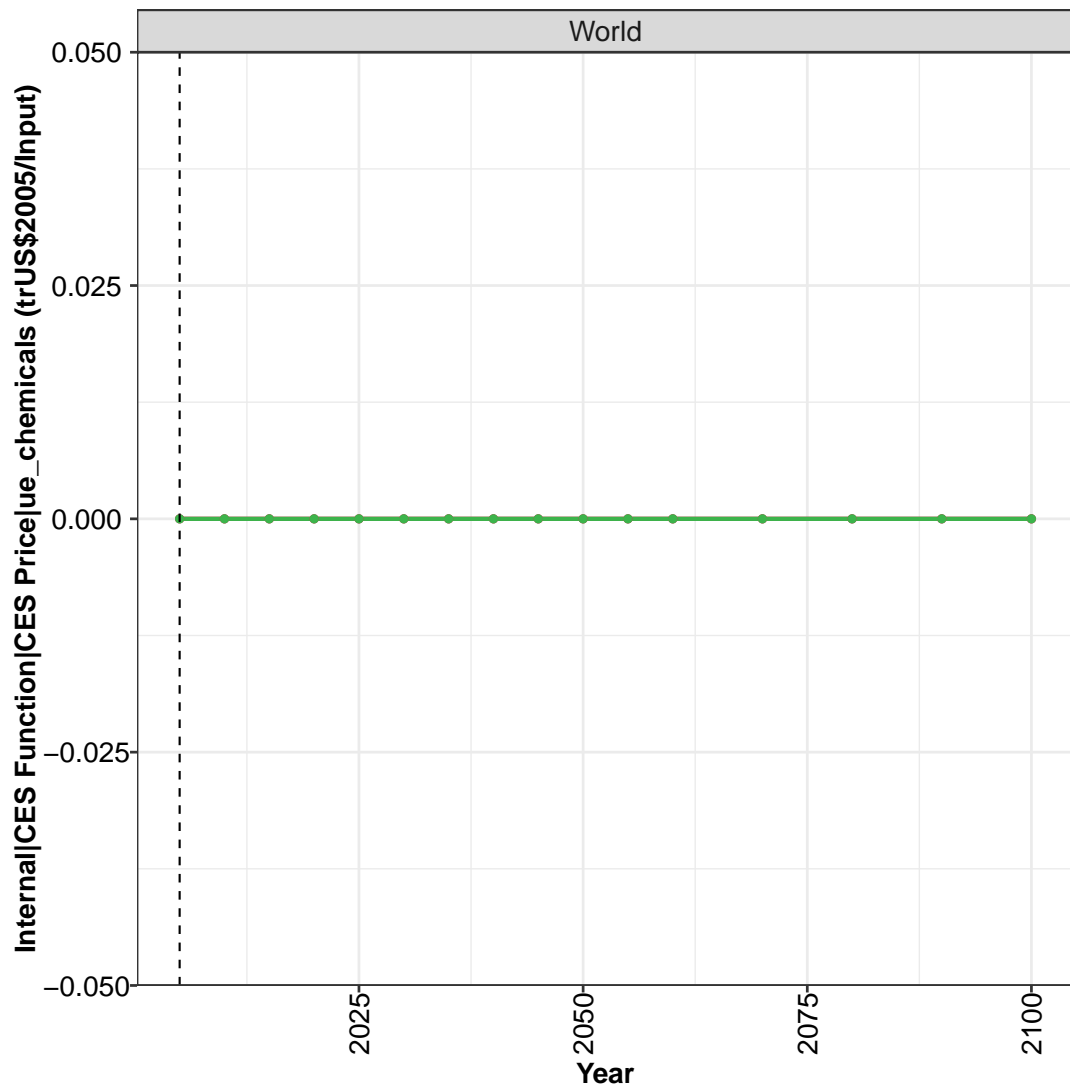




Model: REMIND

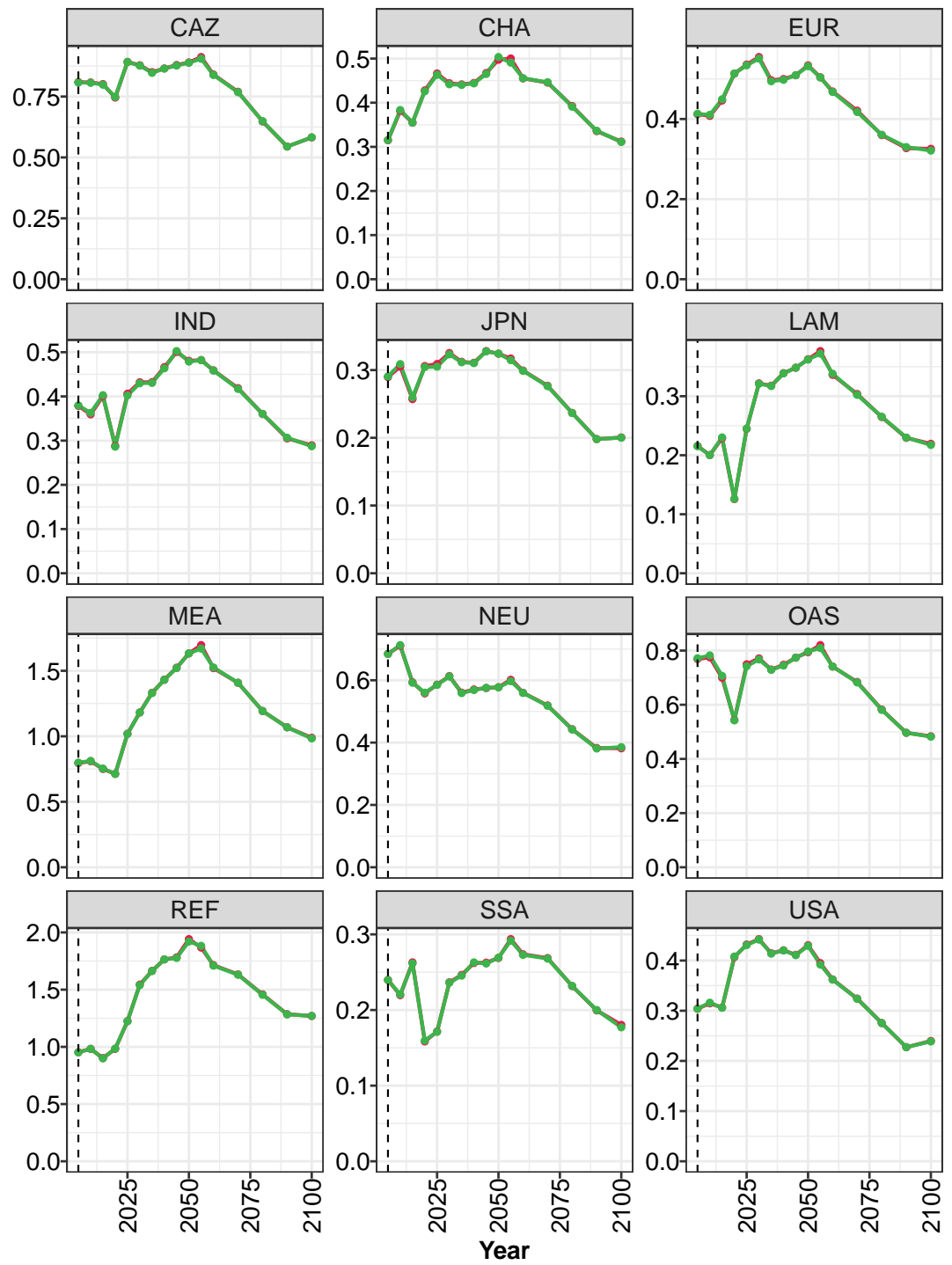
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



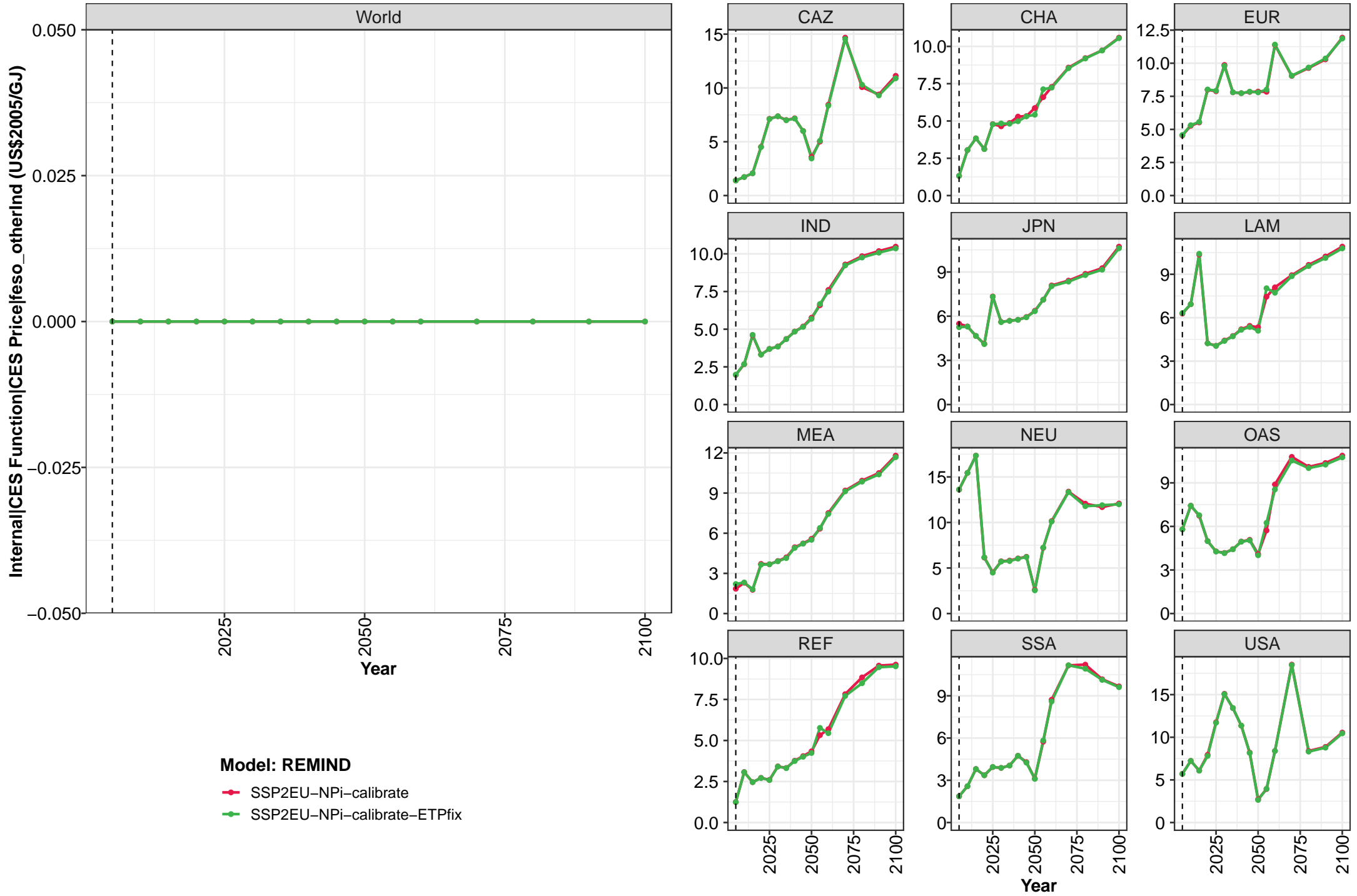


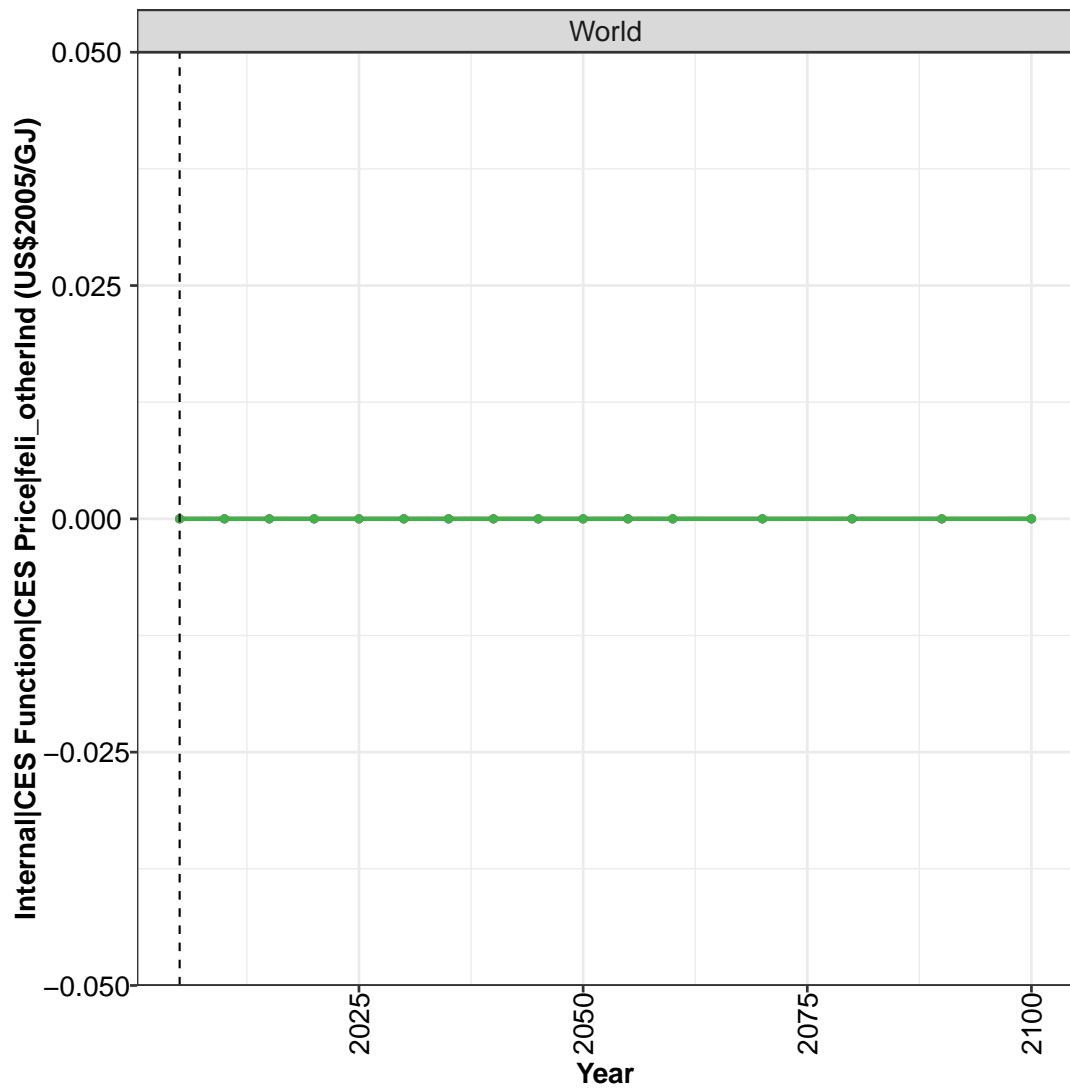
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



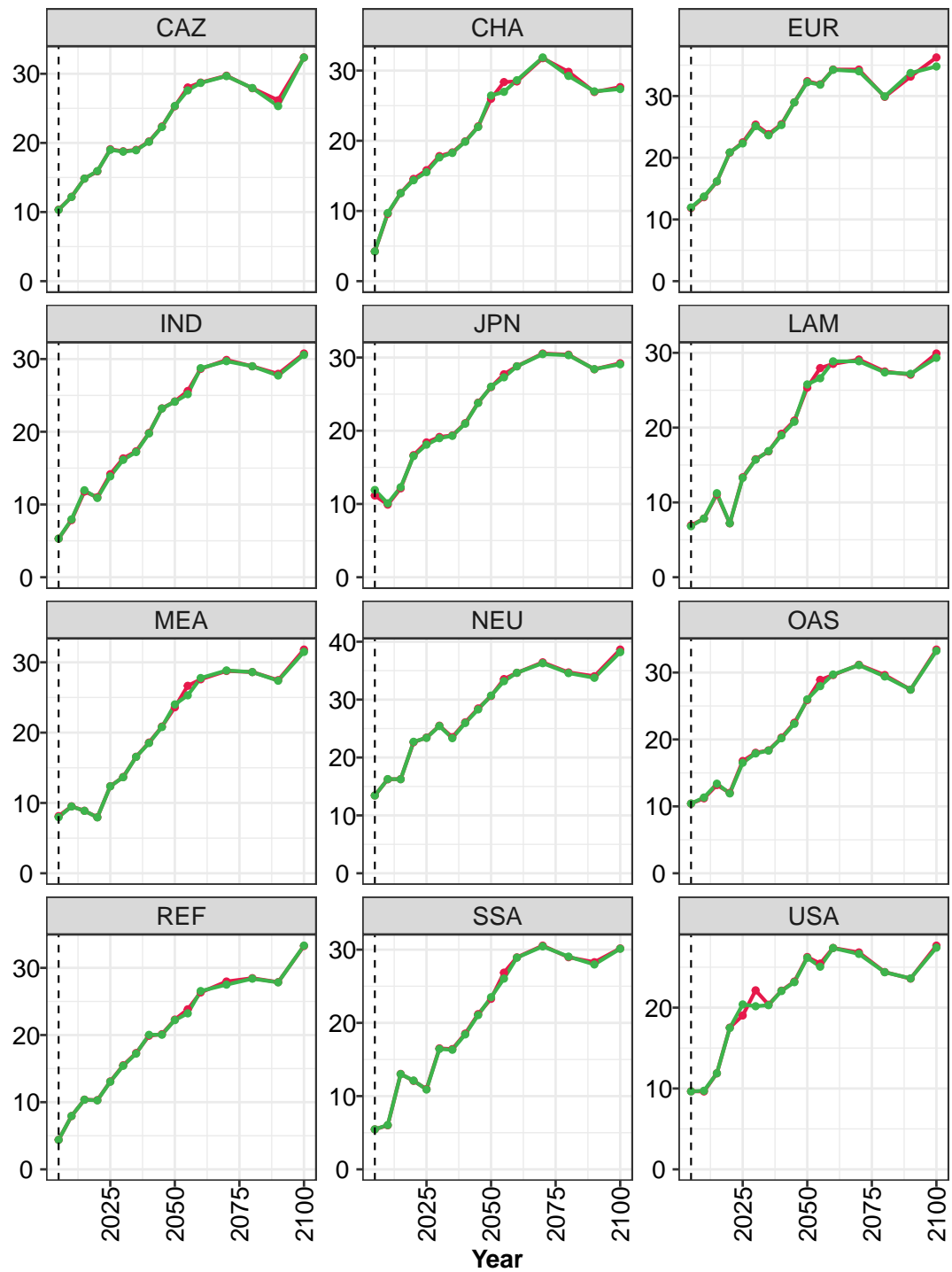
12.1.2.5 Other Industry

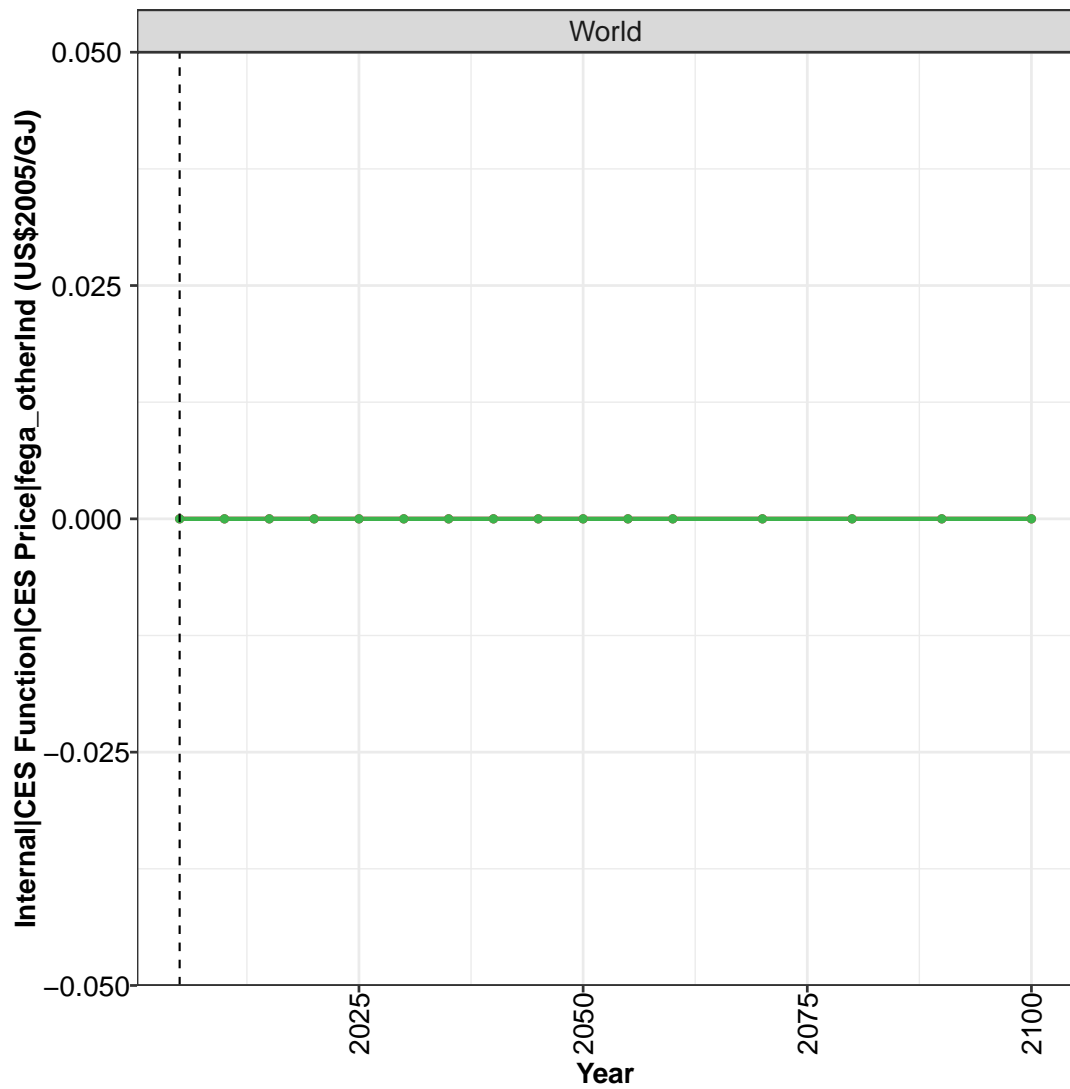




Model: REMIND

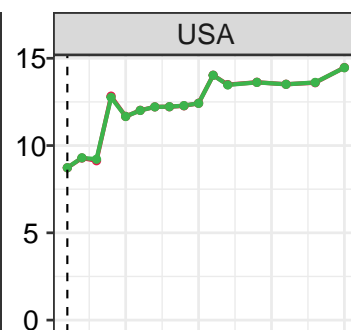
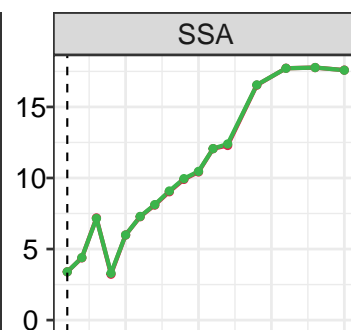
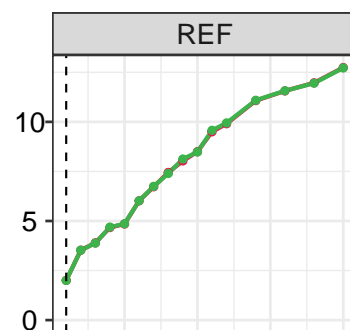
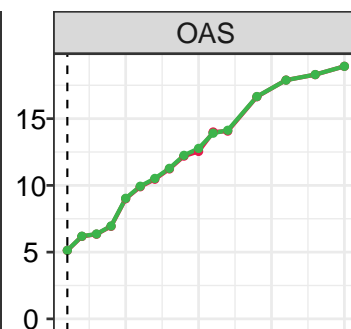
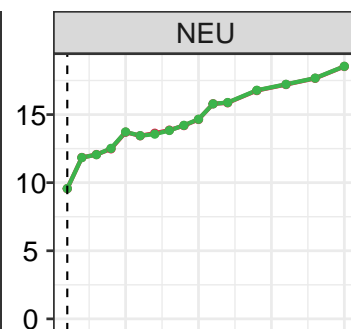
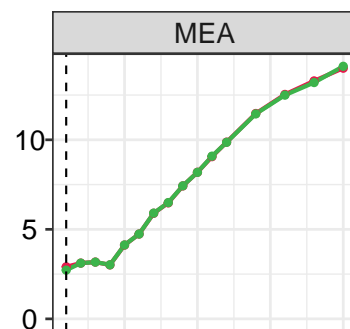
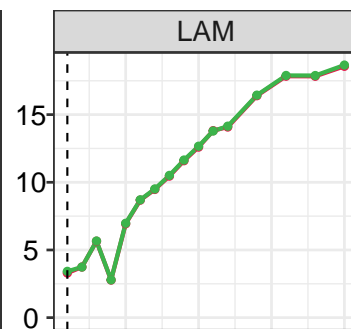
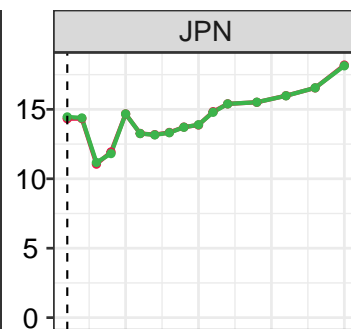
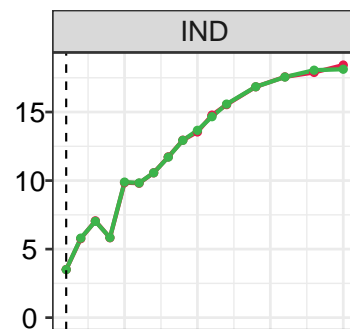
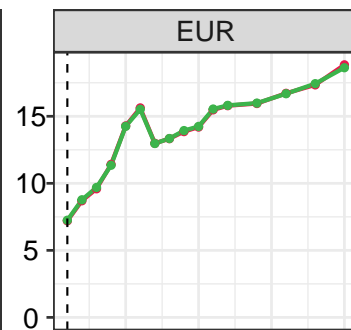
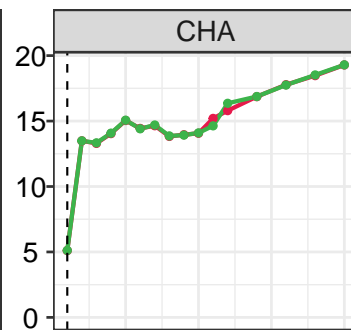
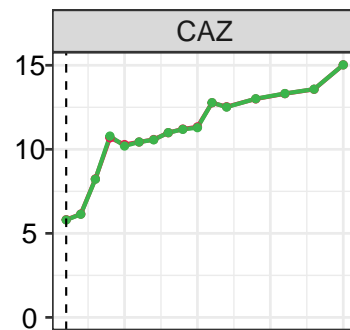
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

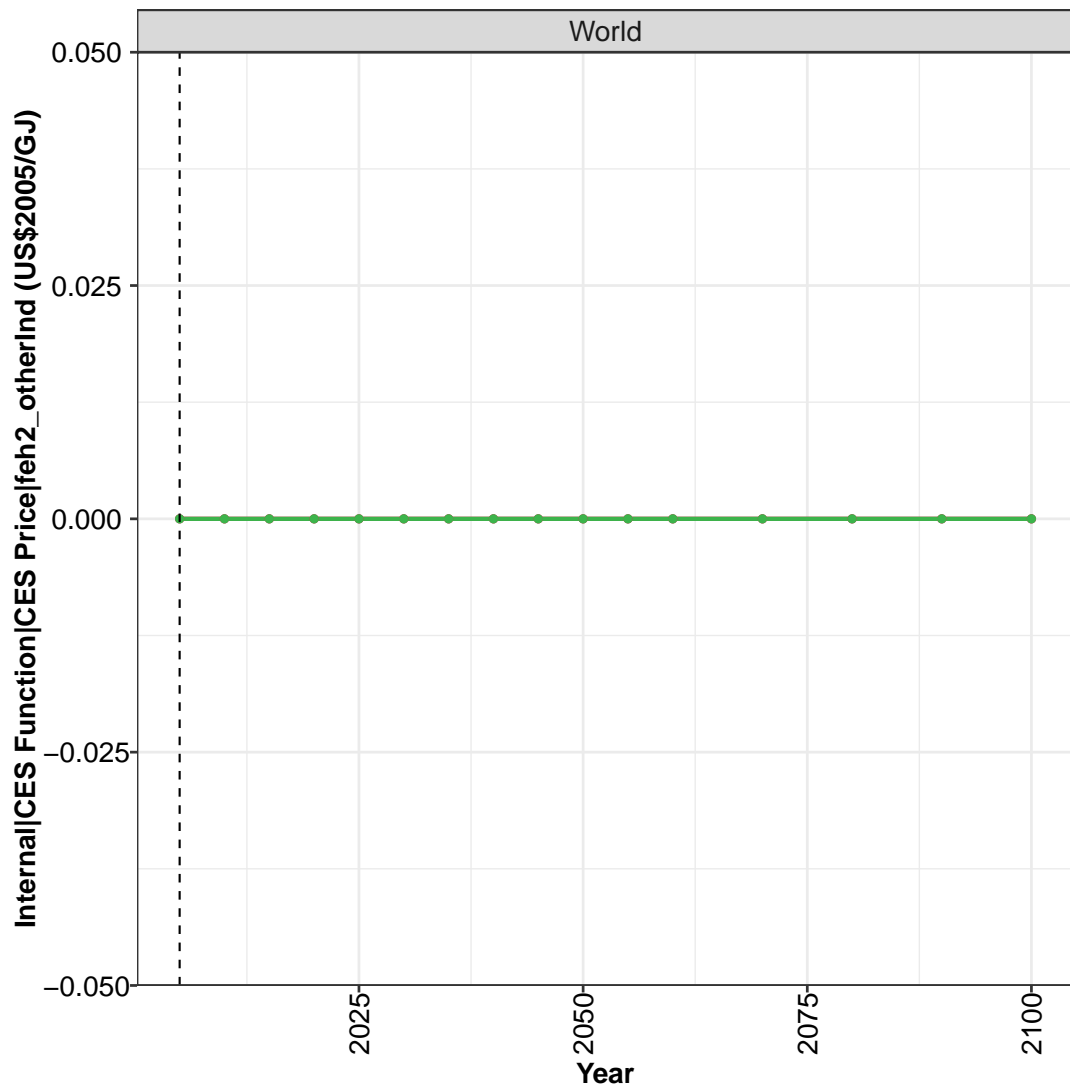




Model: REMIND

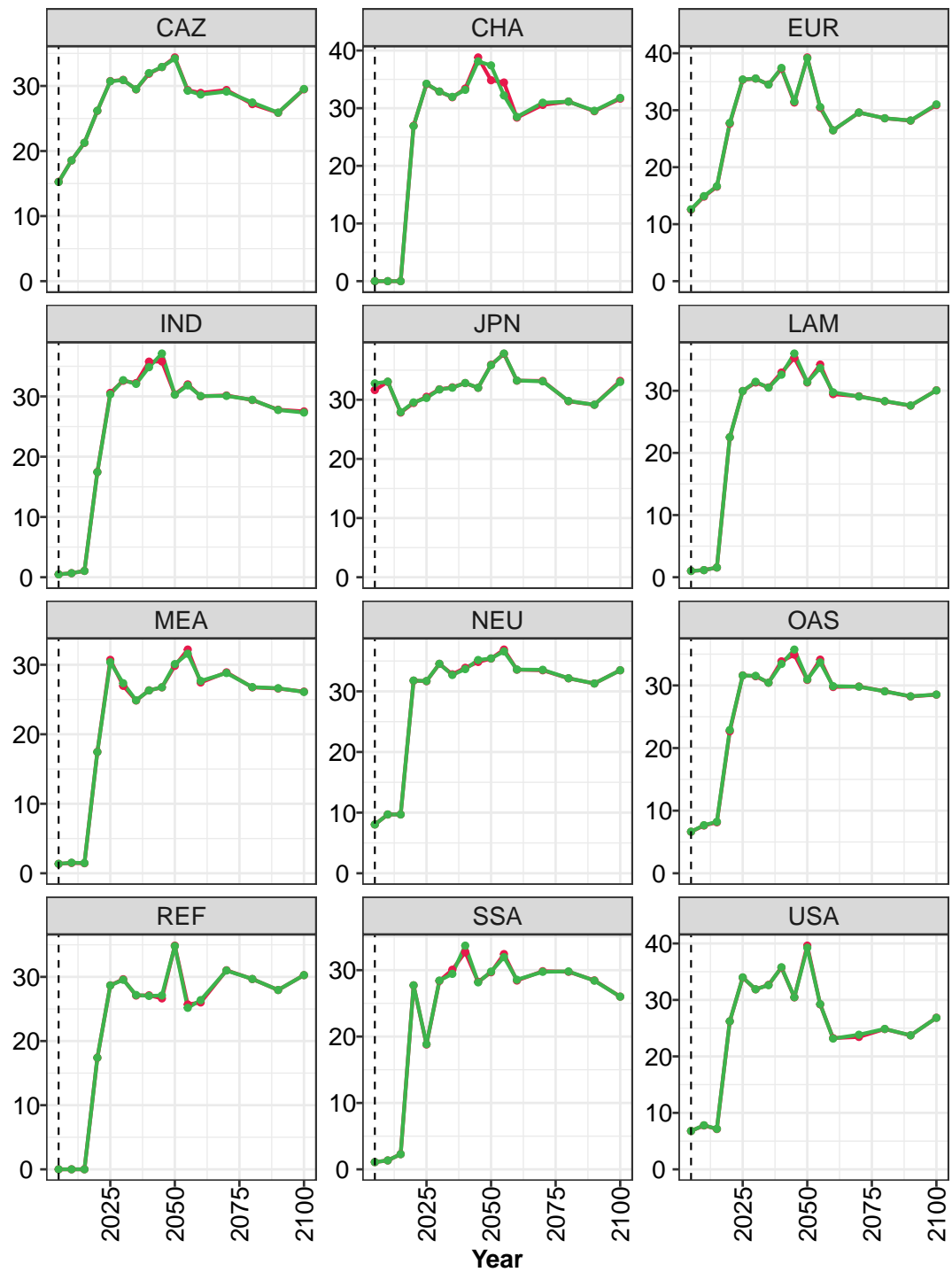
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

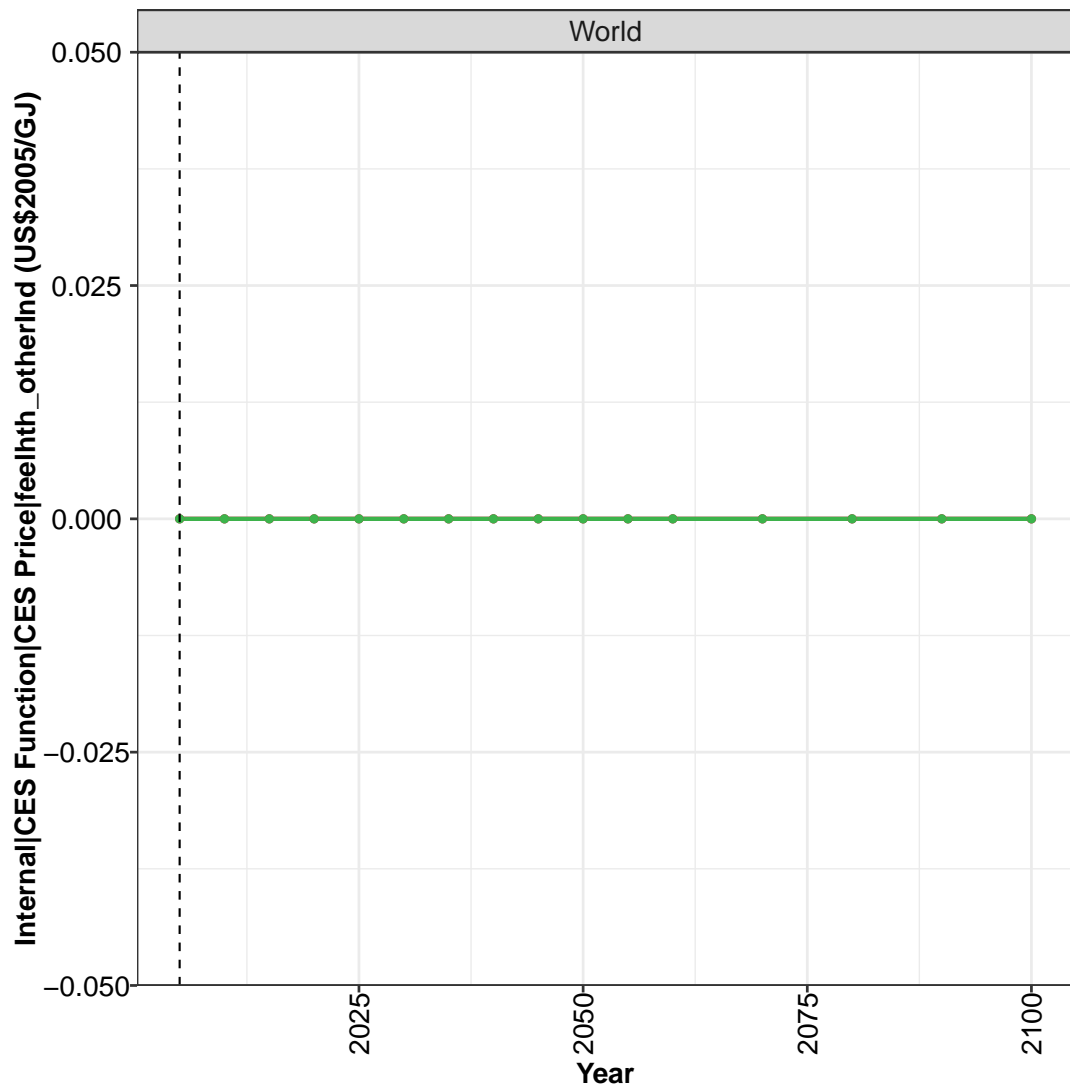




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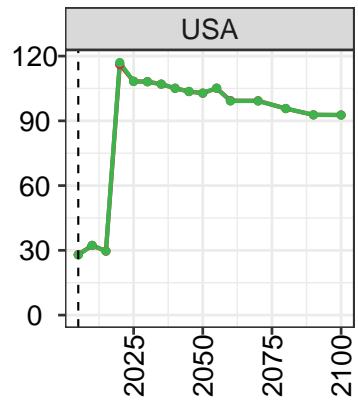
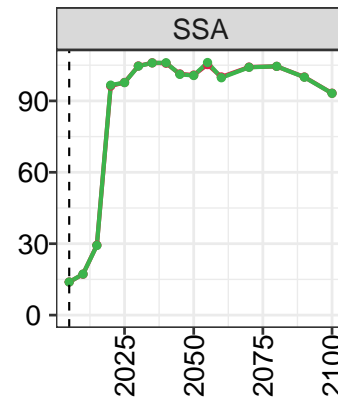
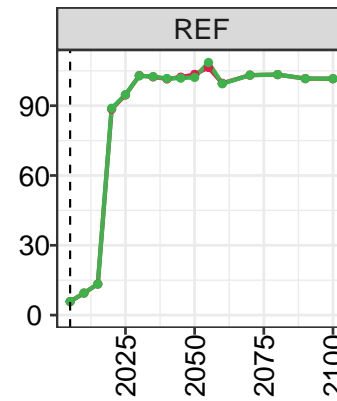
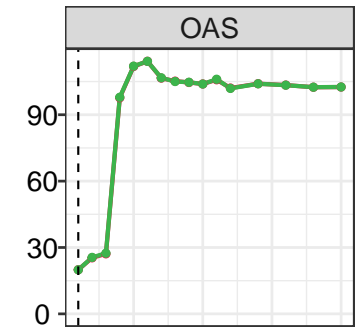
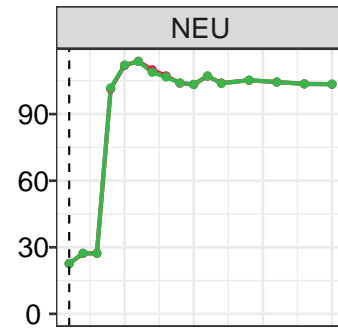
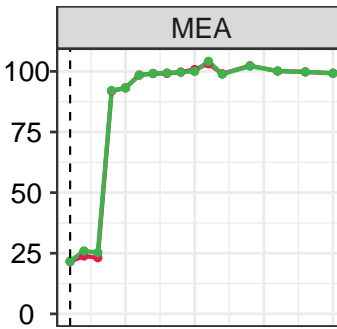
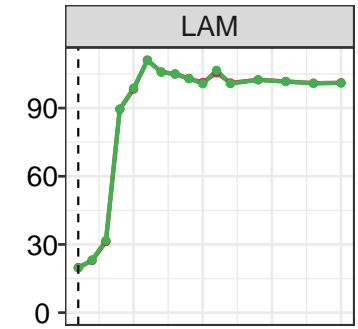
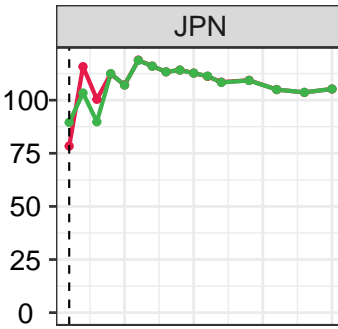
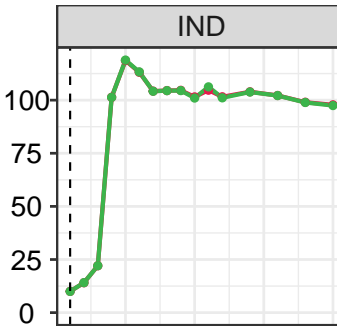
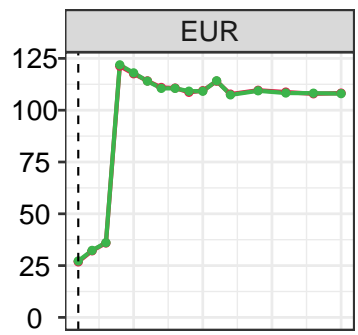
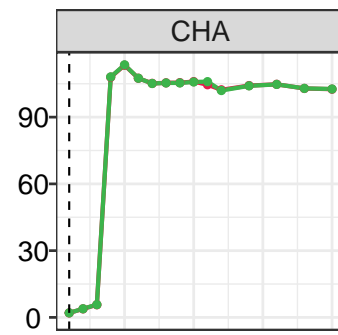
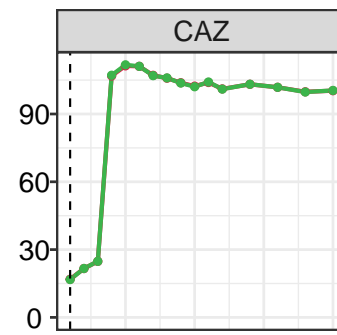
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

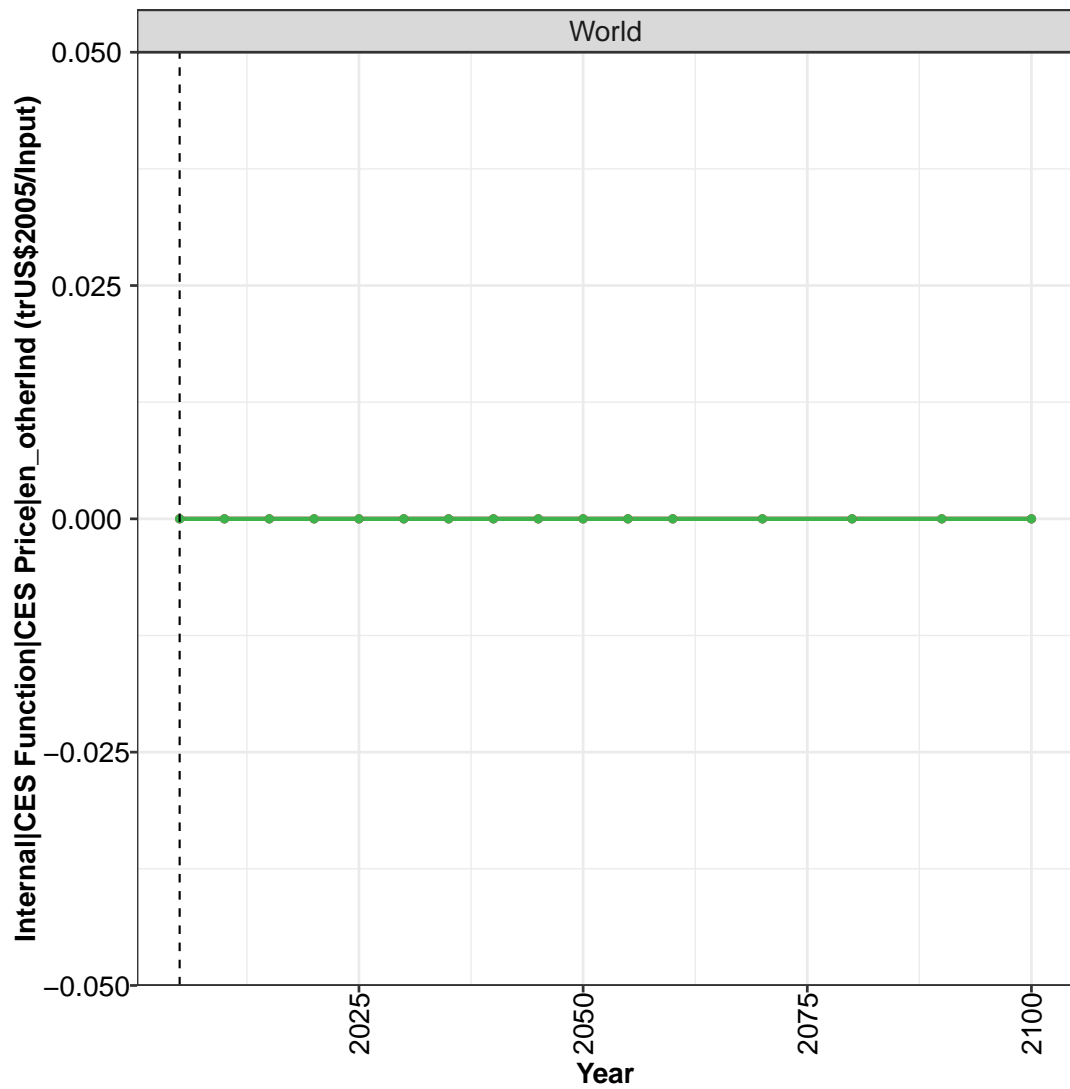




Model: REMIND

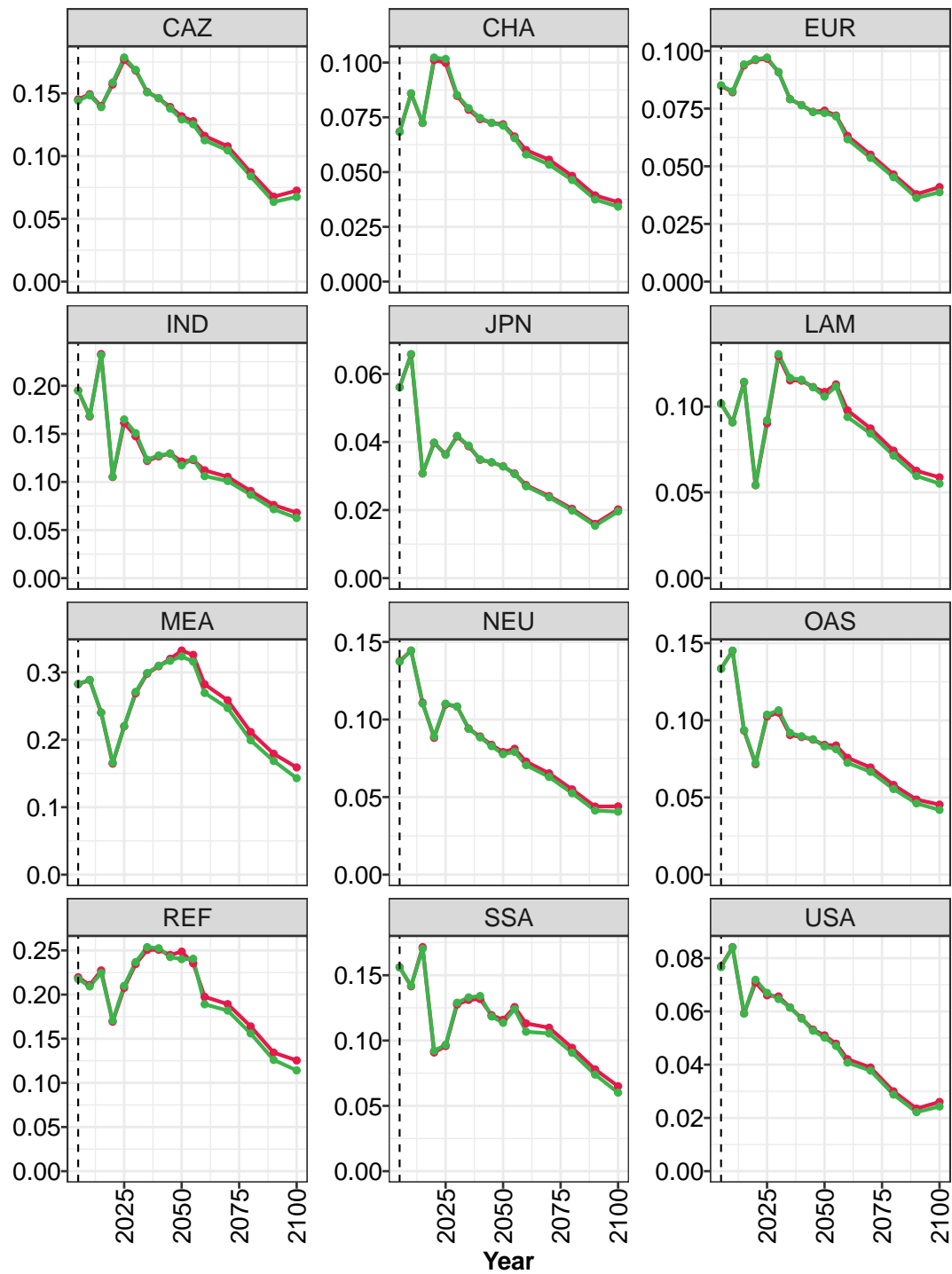
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

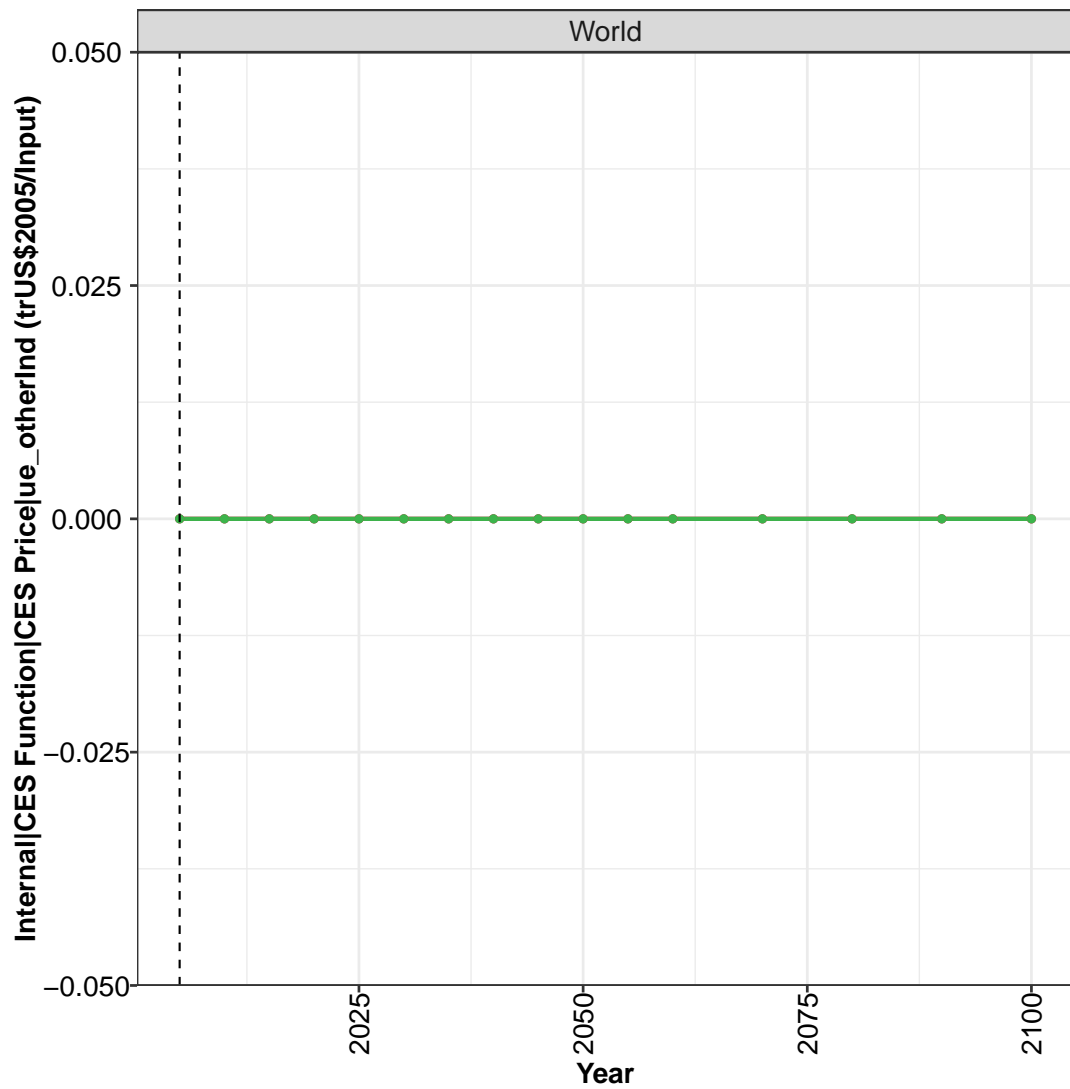




Model: REMIND

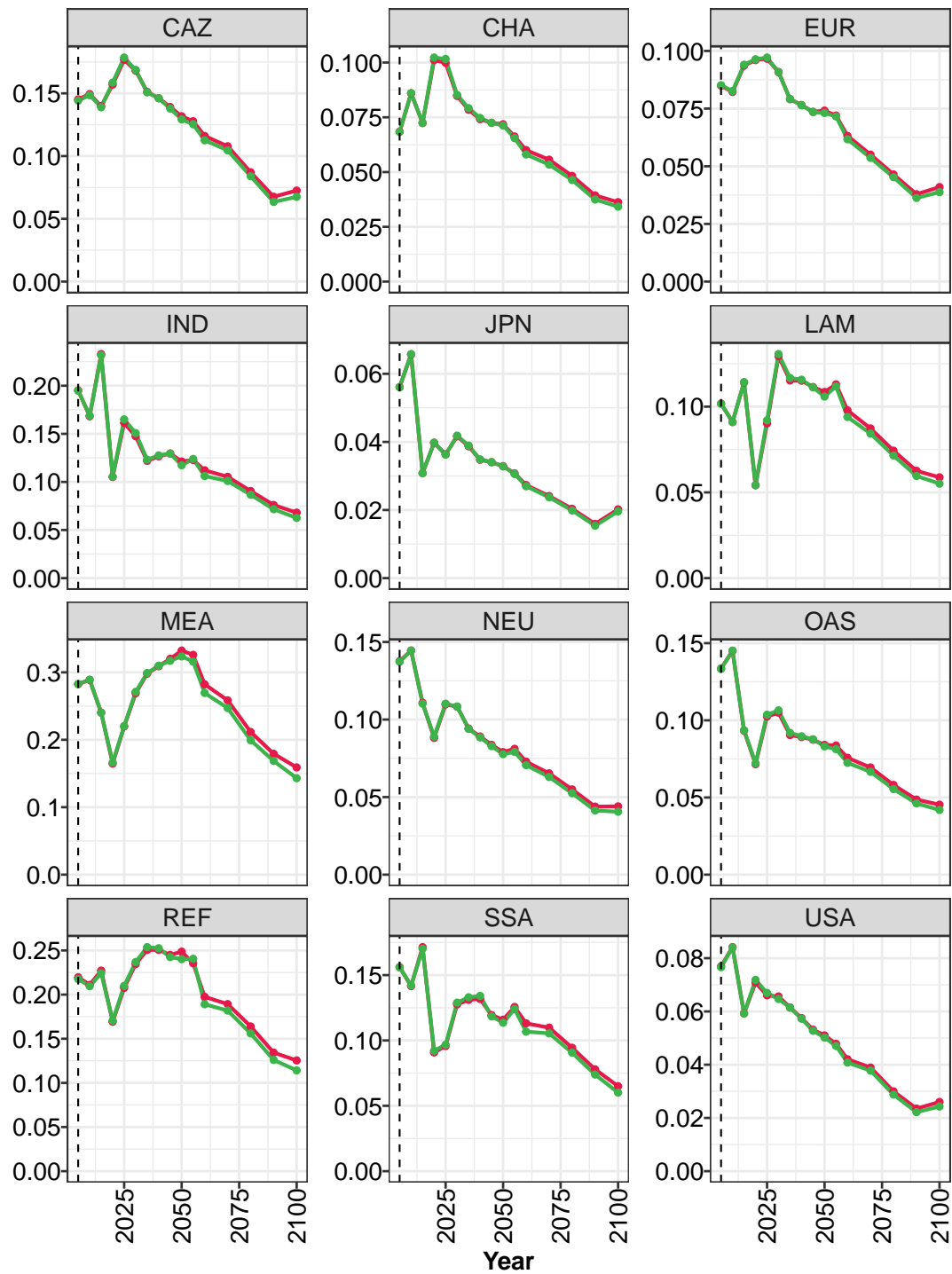
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix





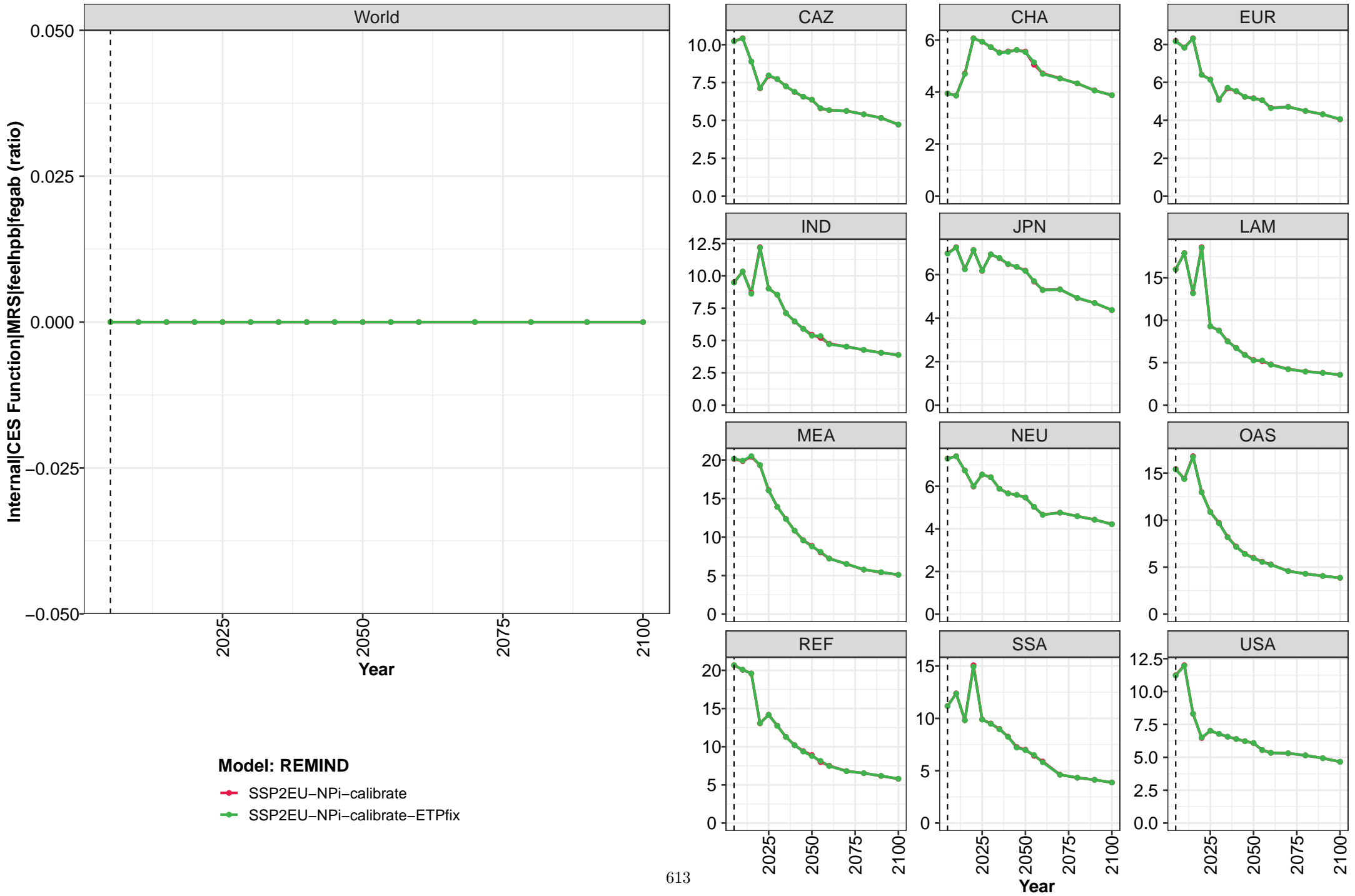
Model: REMIND

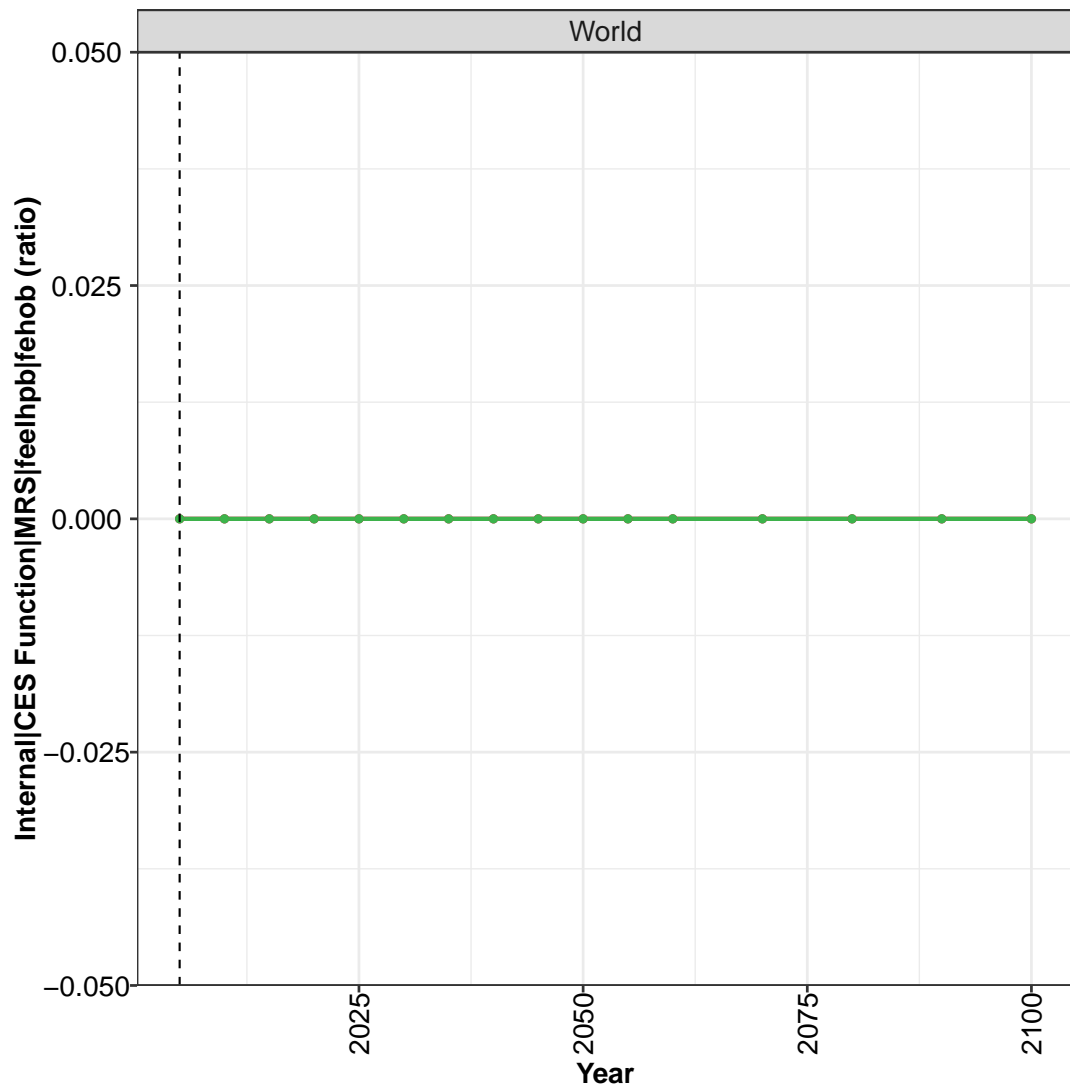
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



12.2 Marginal Rates of Substitution (selected)

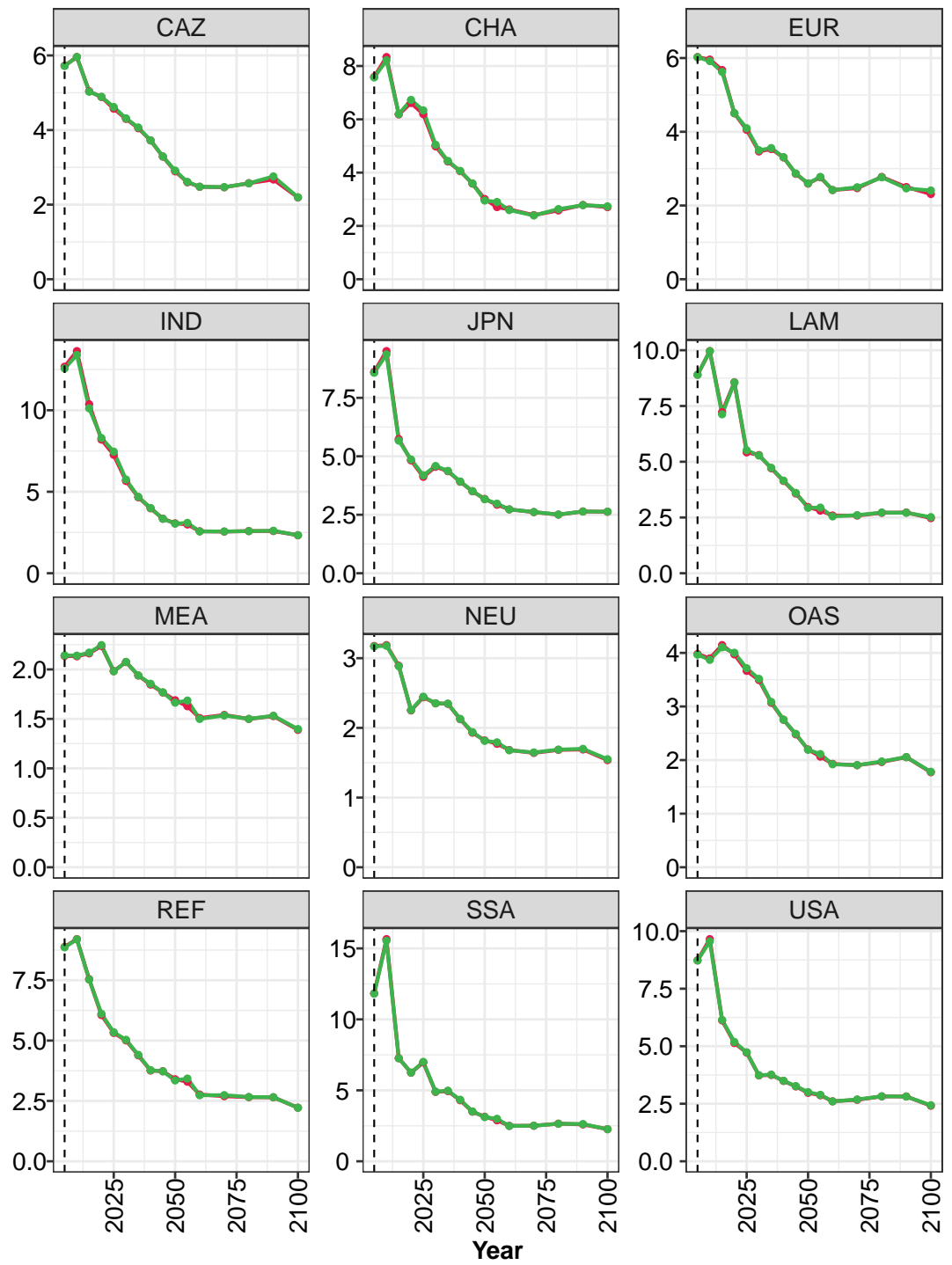
12.2.1 Buildings

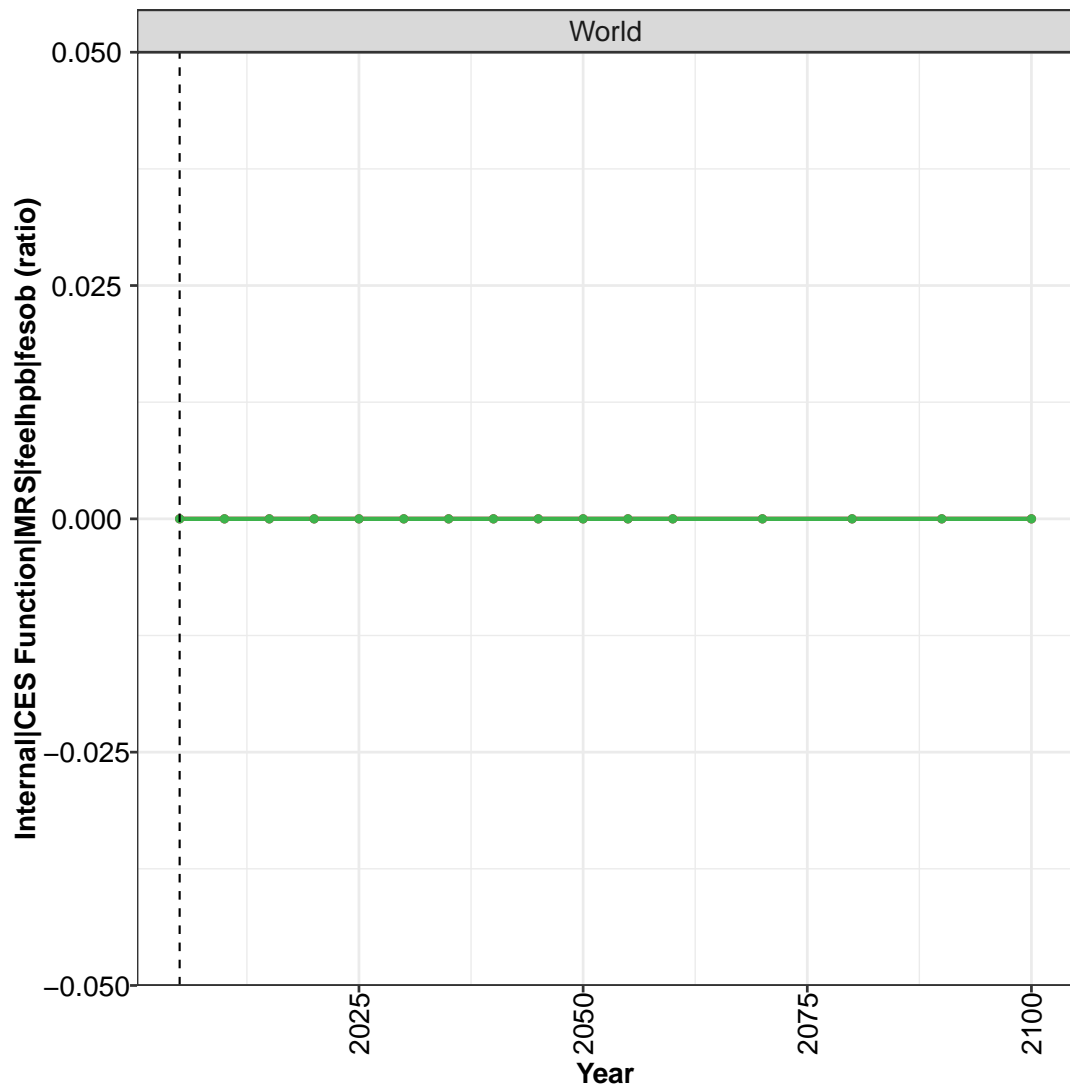




Model: REMIND

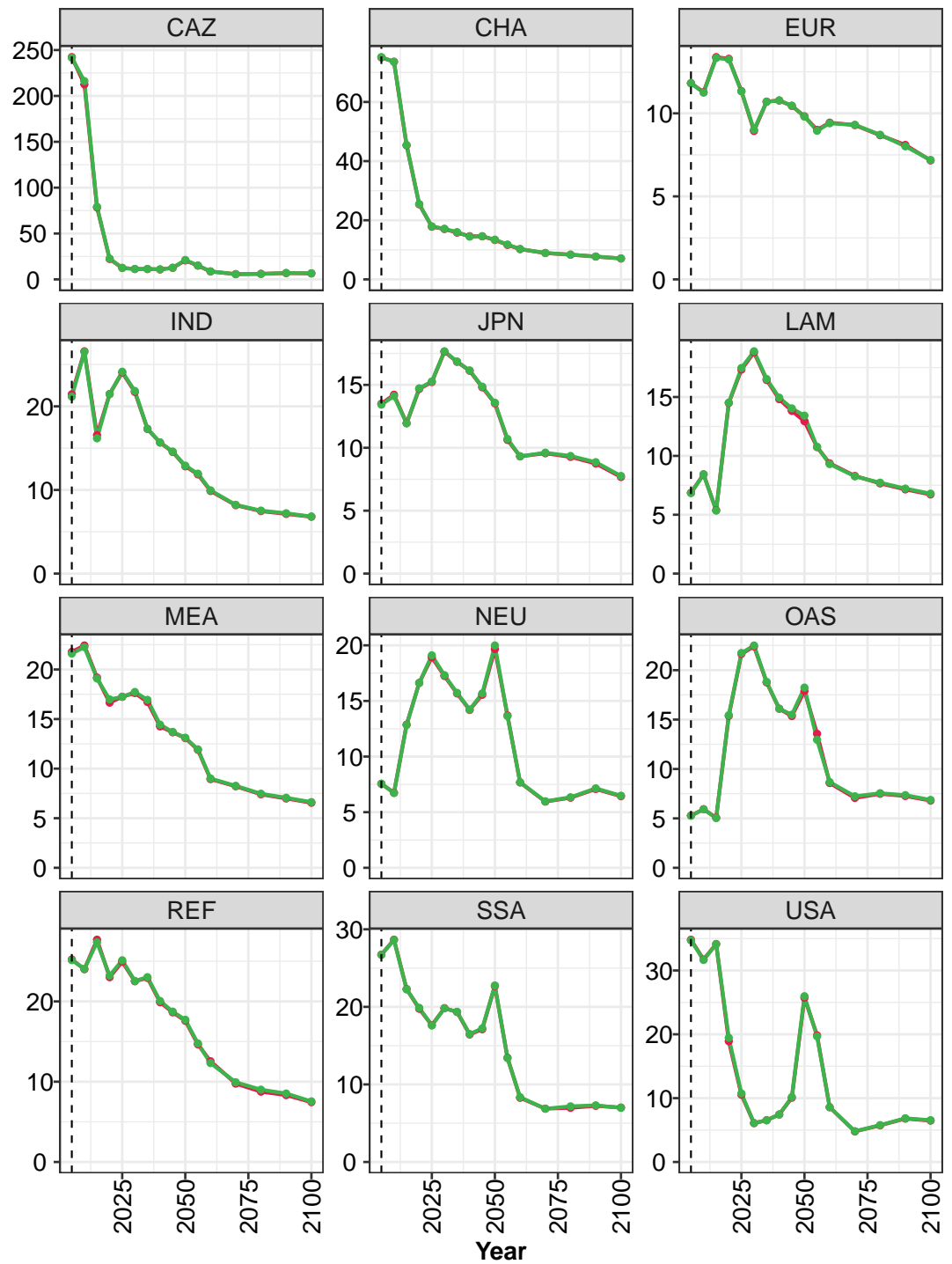
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

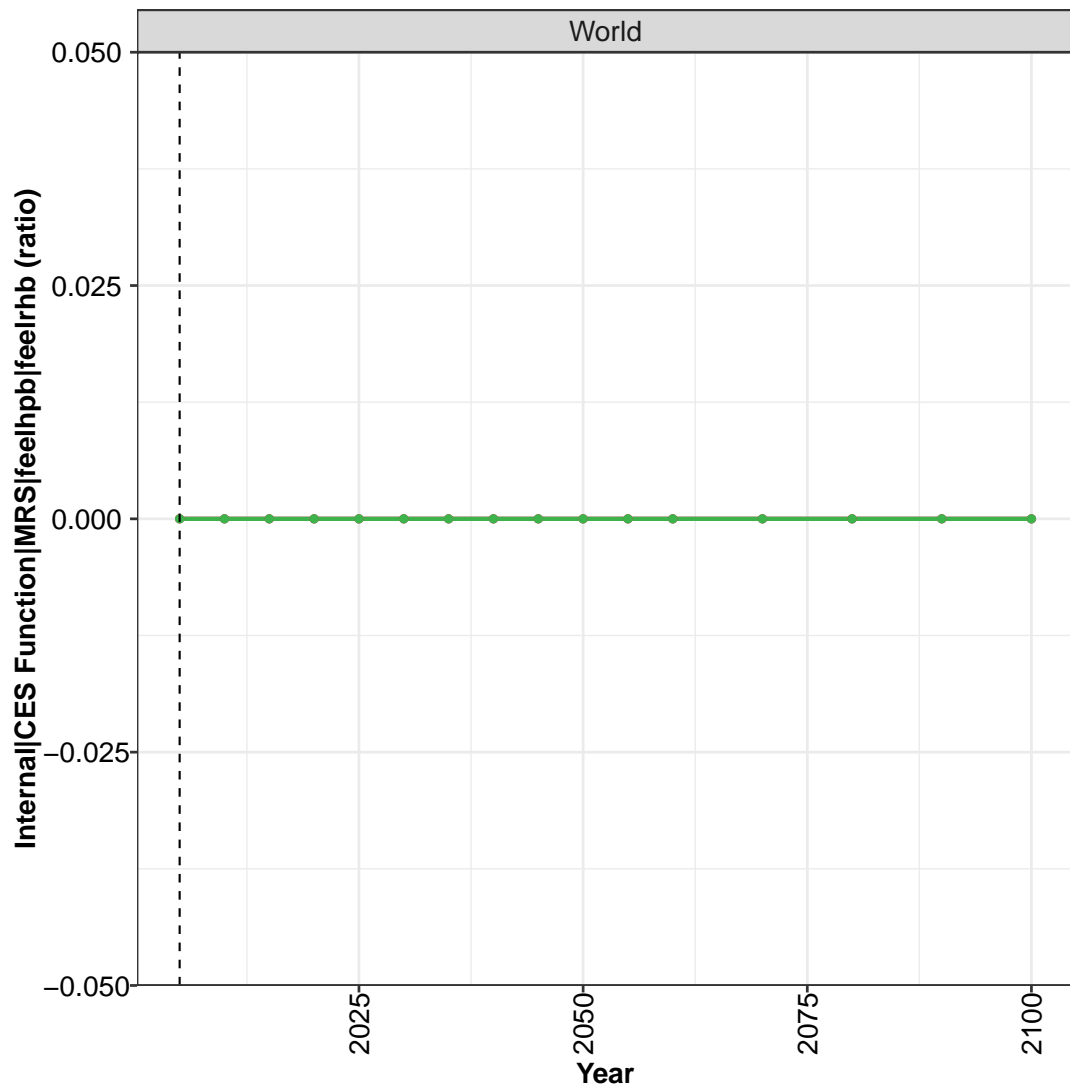




Model: REMIND

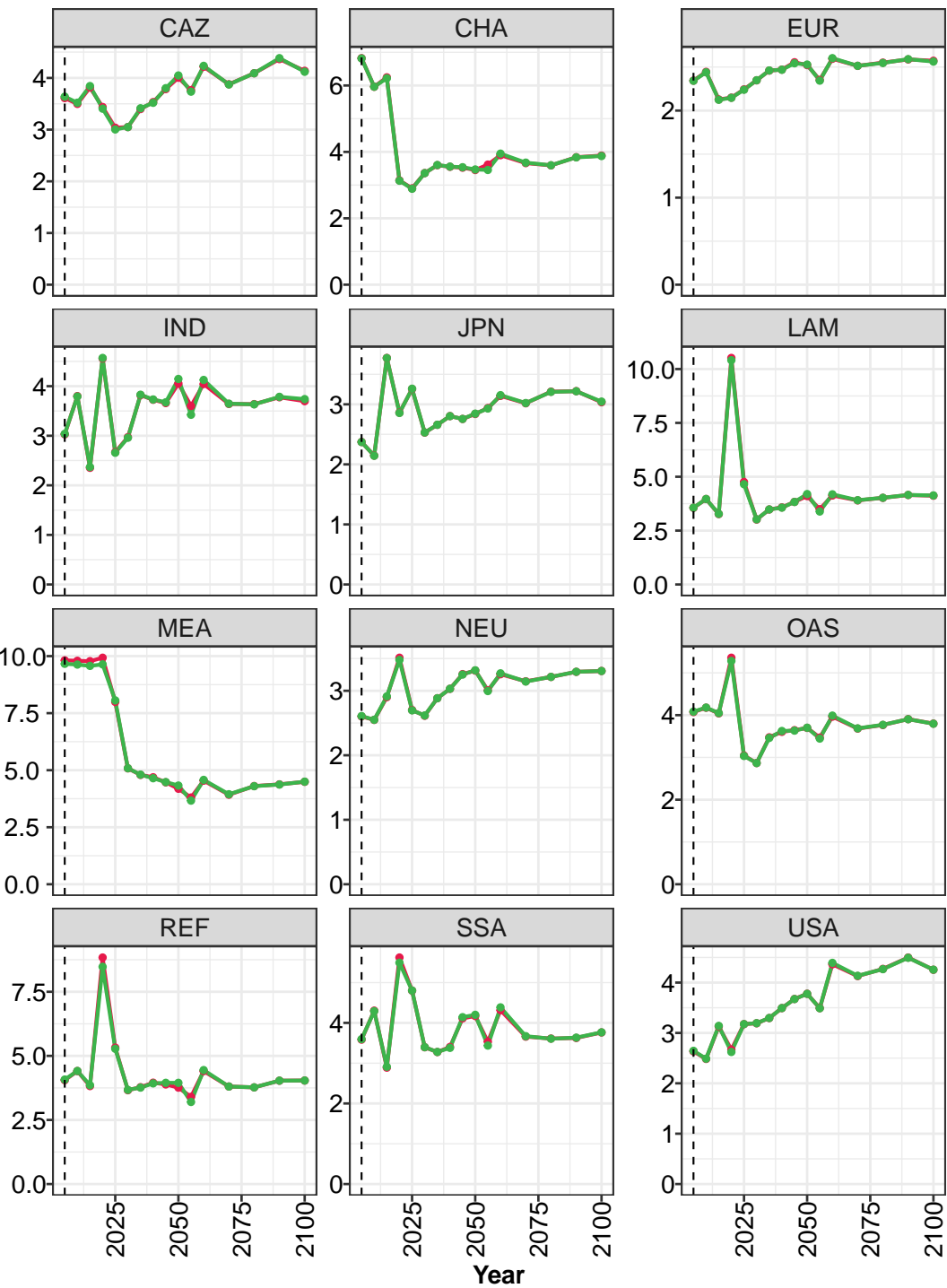
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

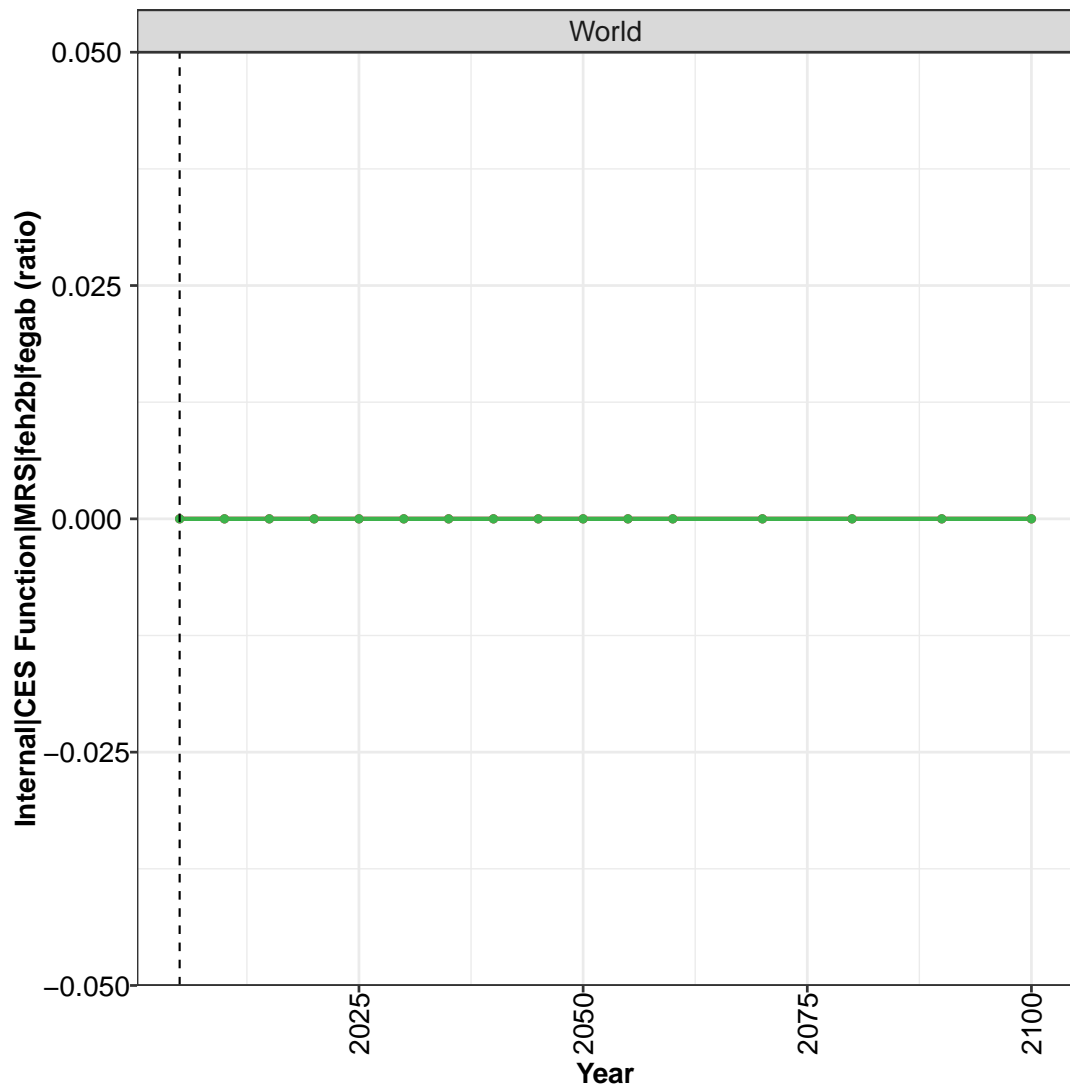




Model: REMIND

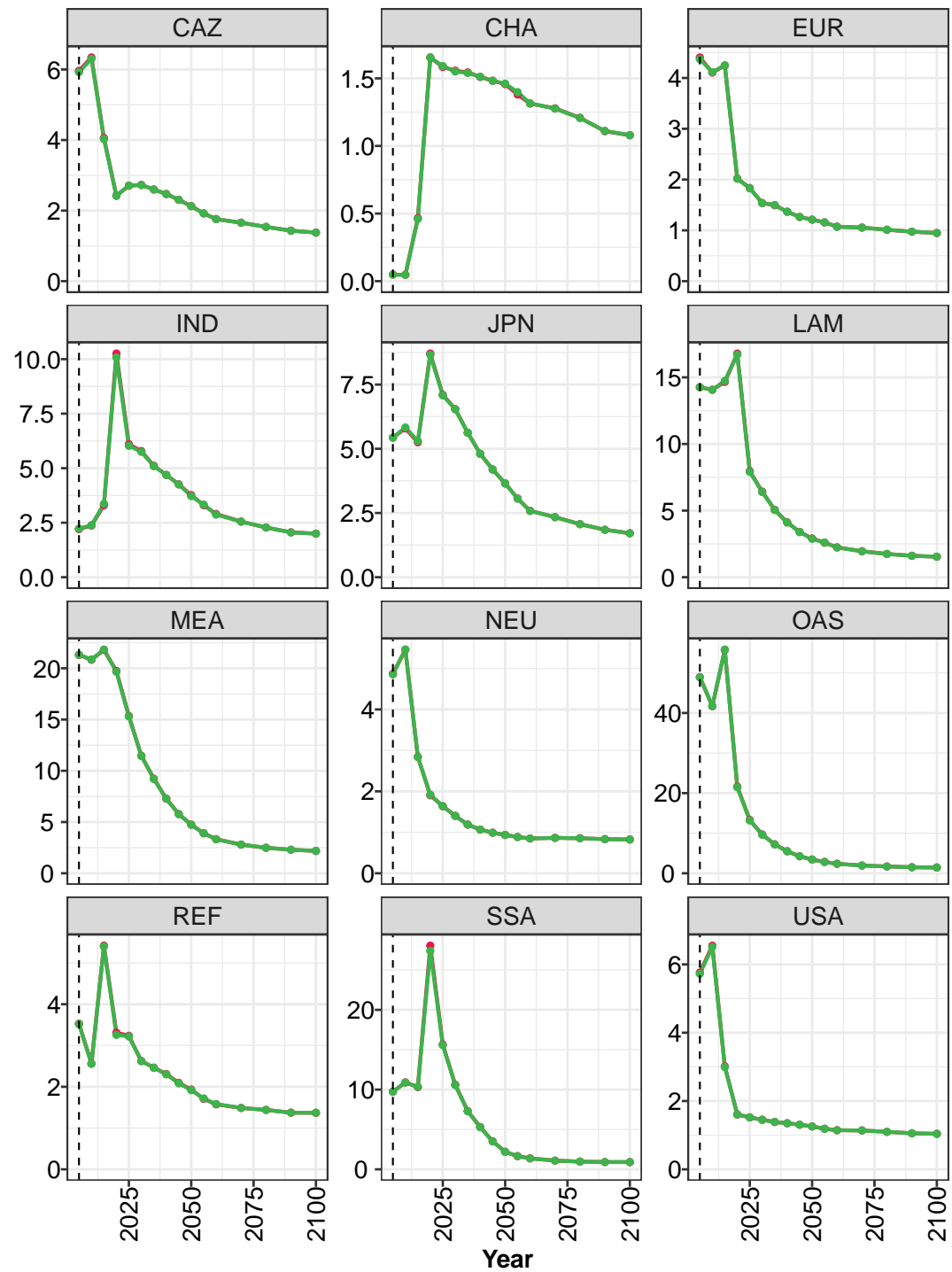
- SSP2EU-NPi-calibrate
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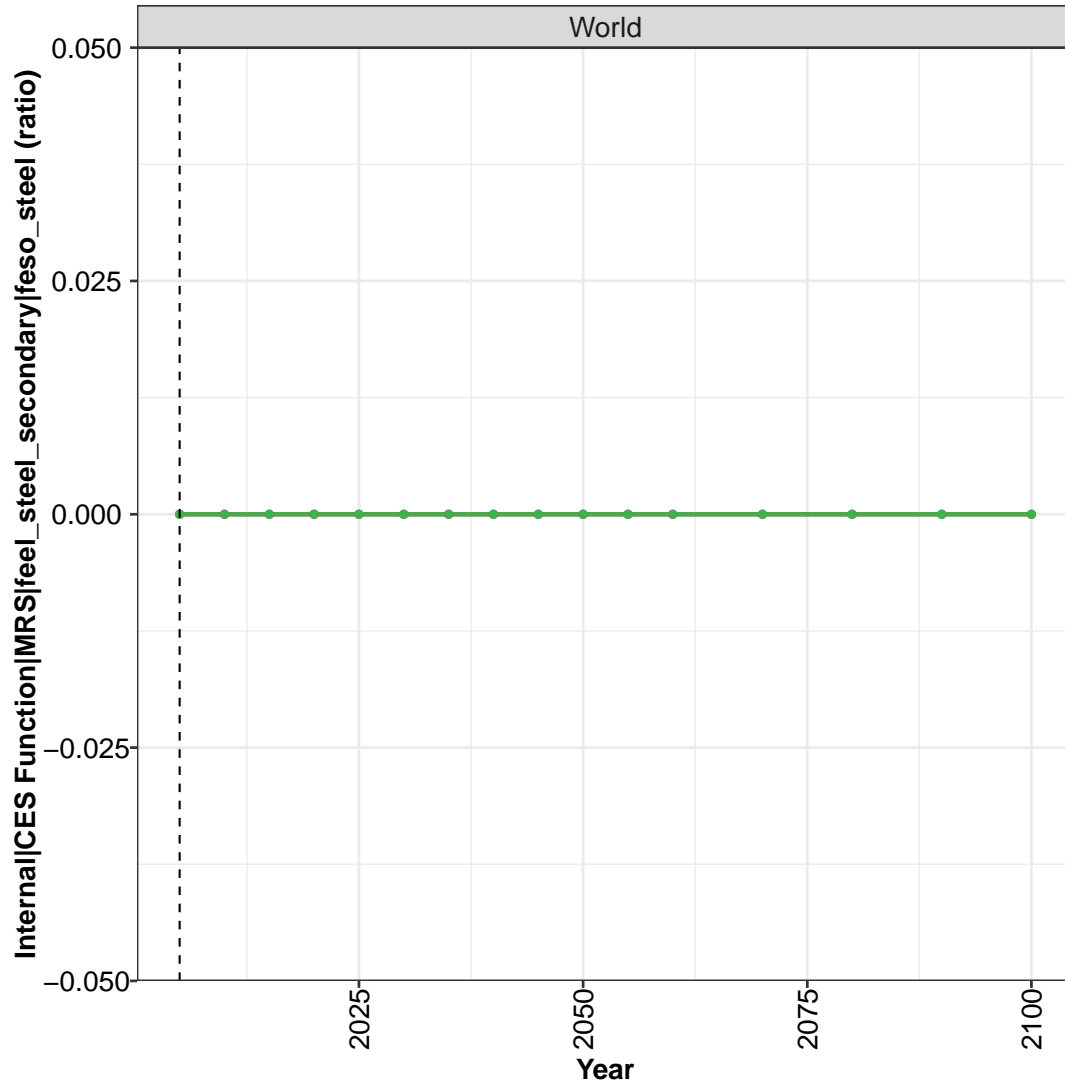
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



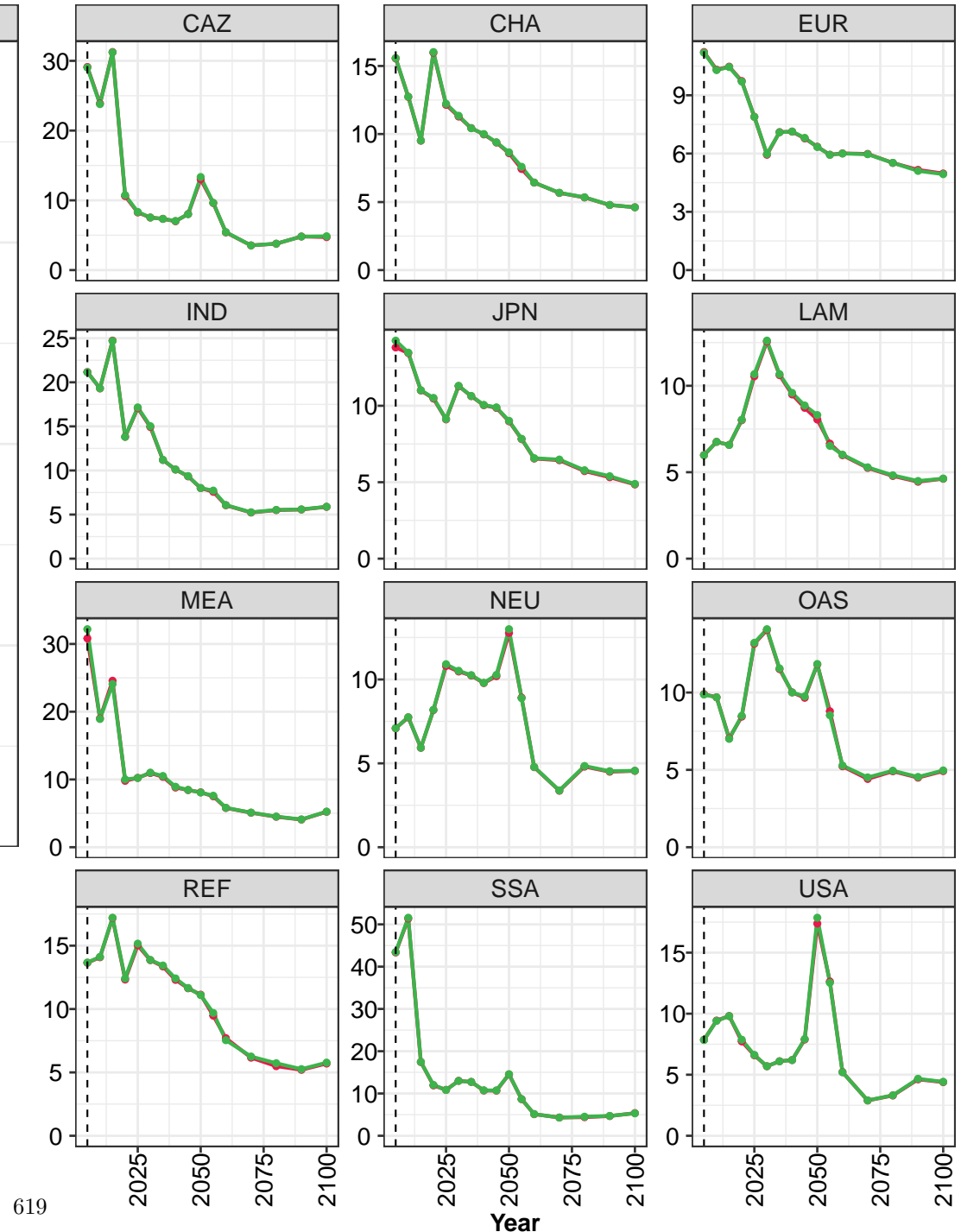
12.2.2 Industry

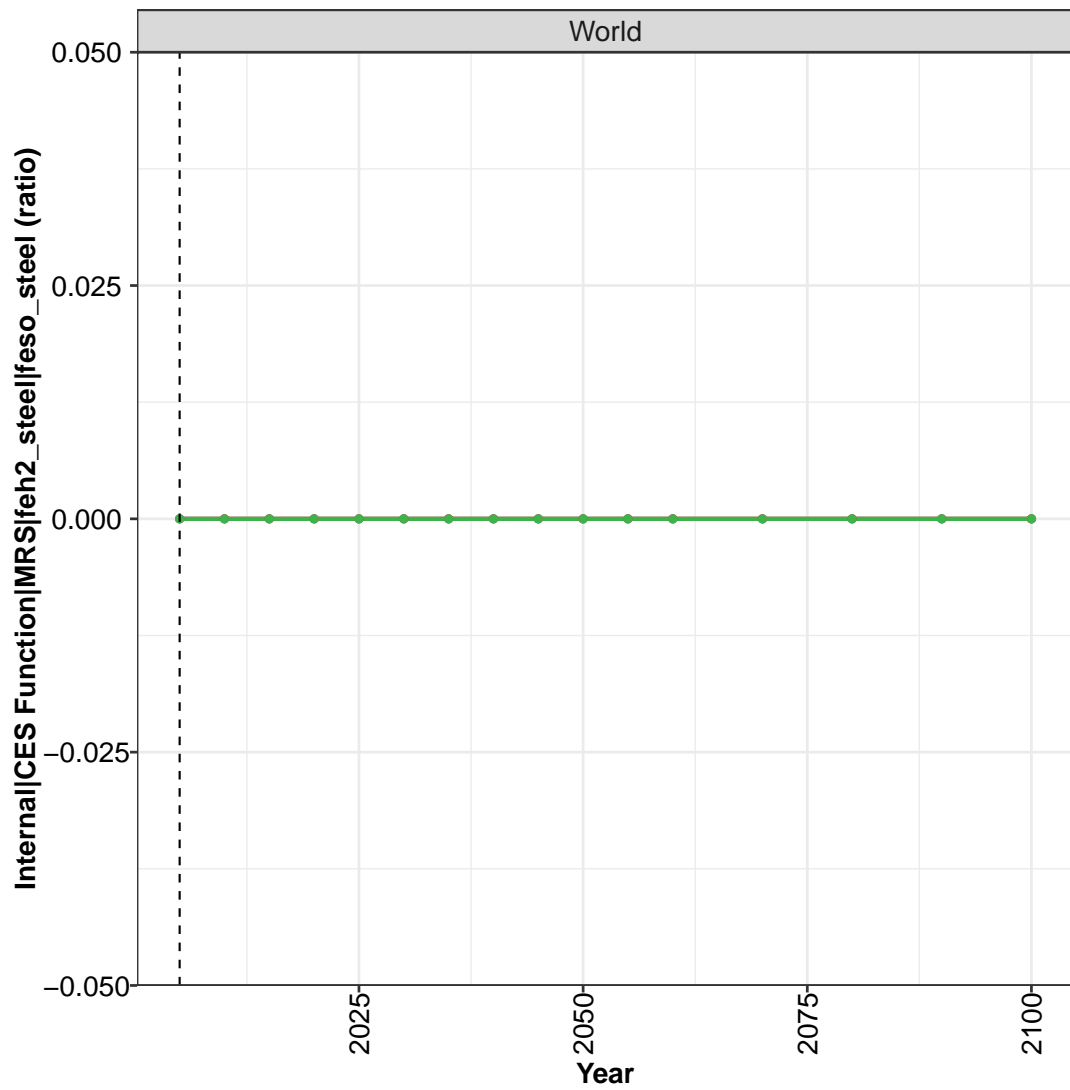
12.2.2.1 Steel



Model: REMIND

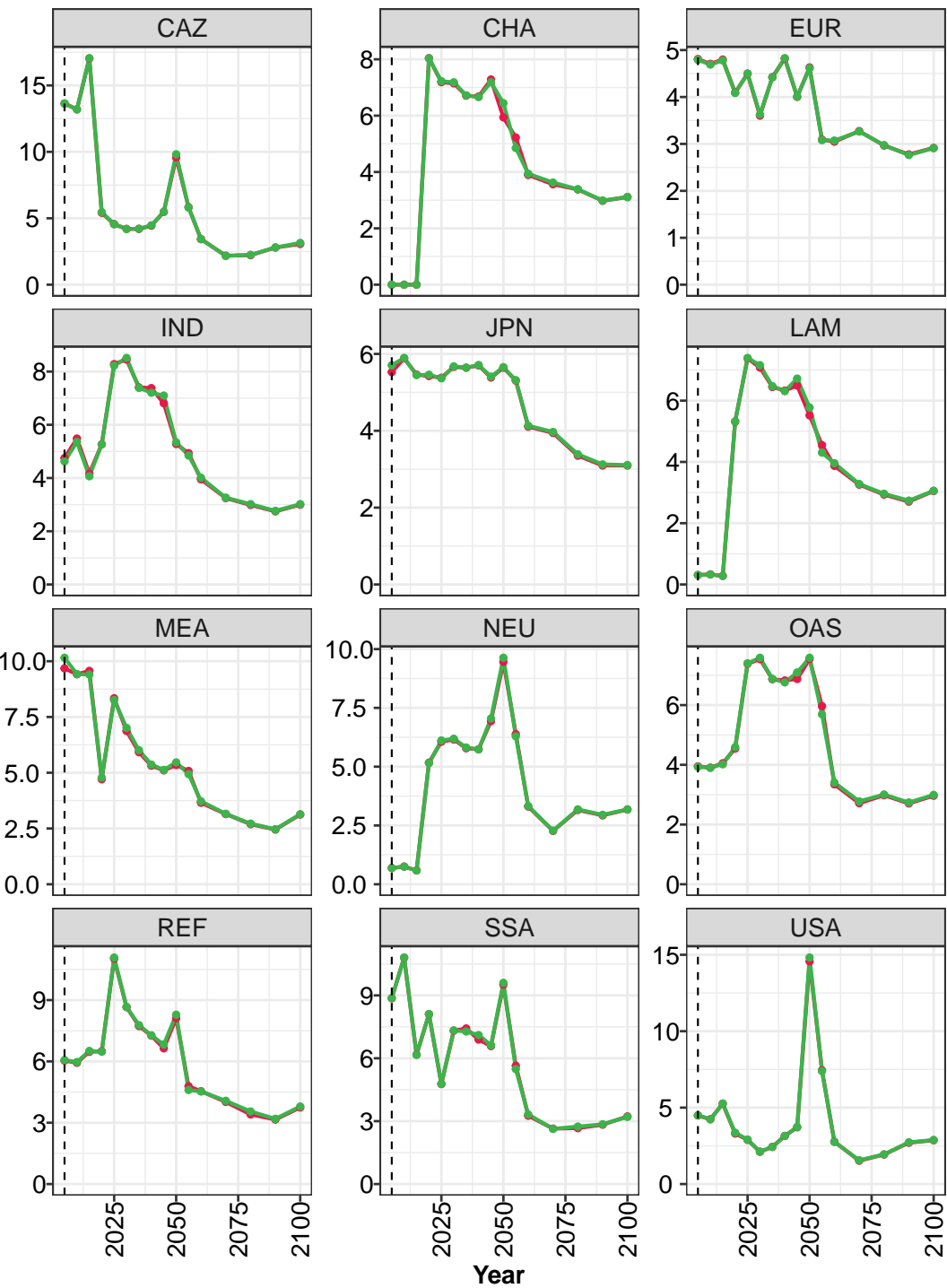
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



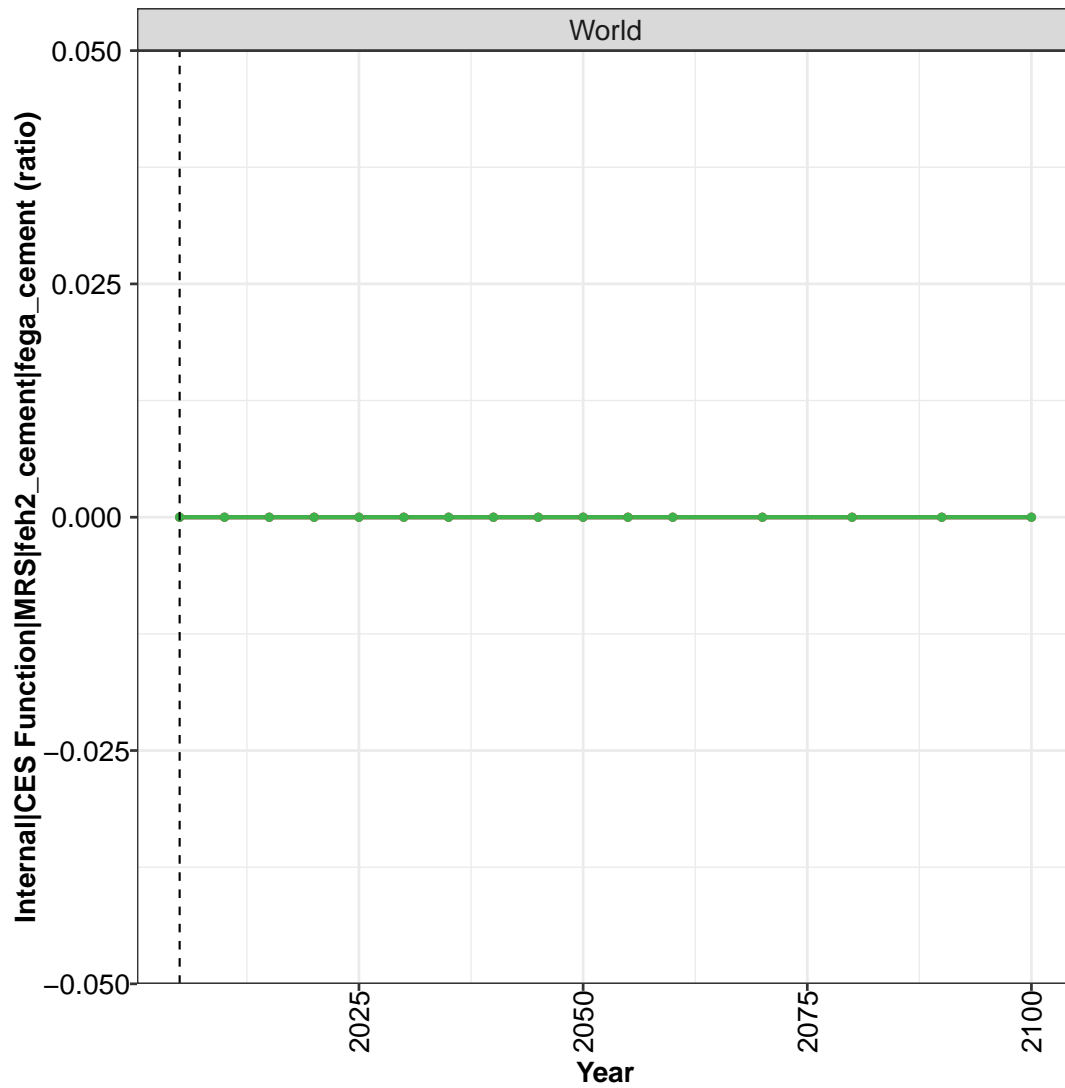


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

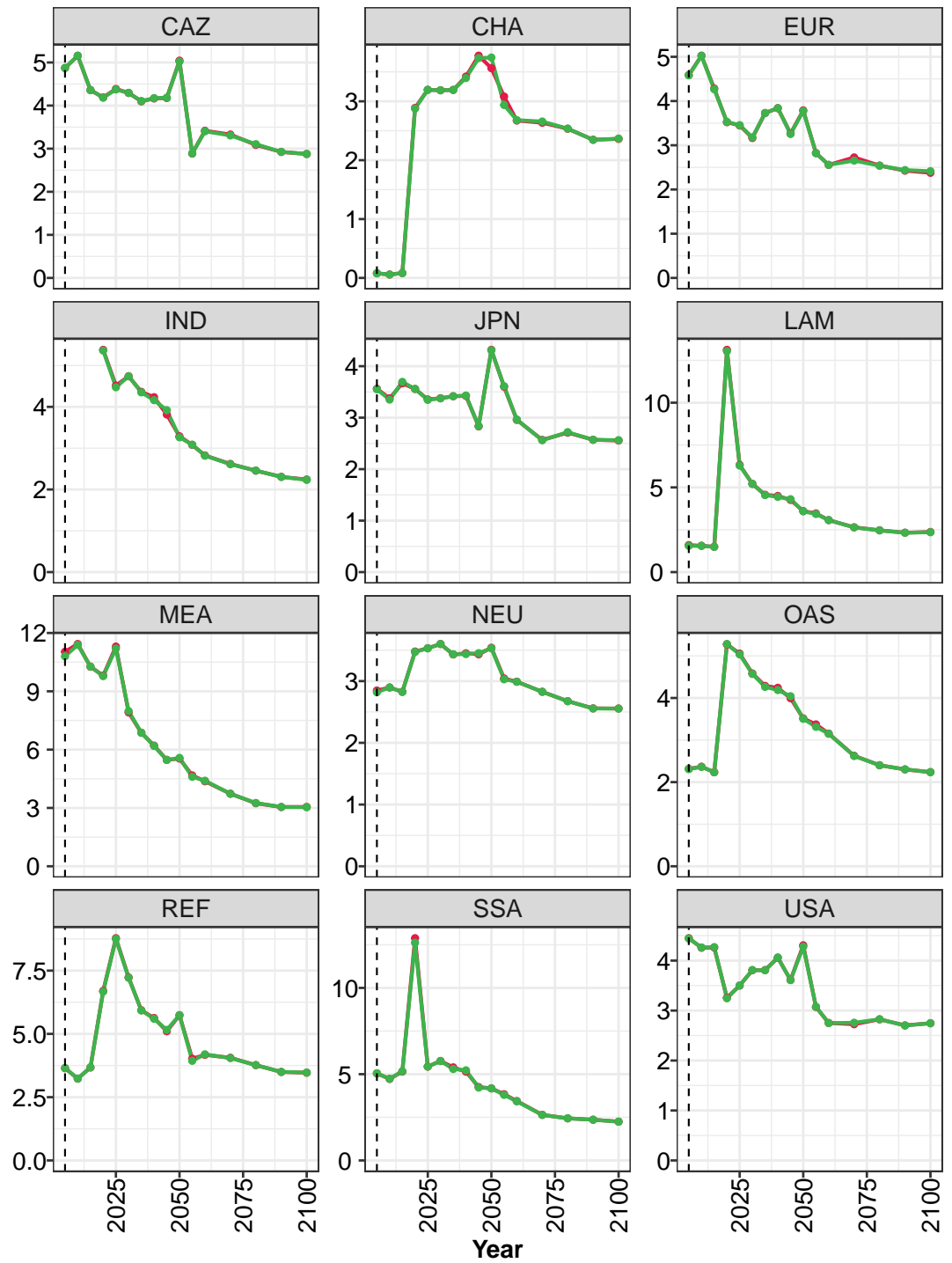


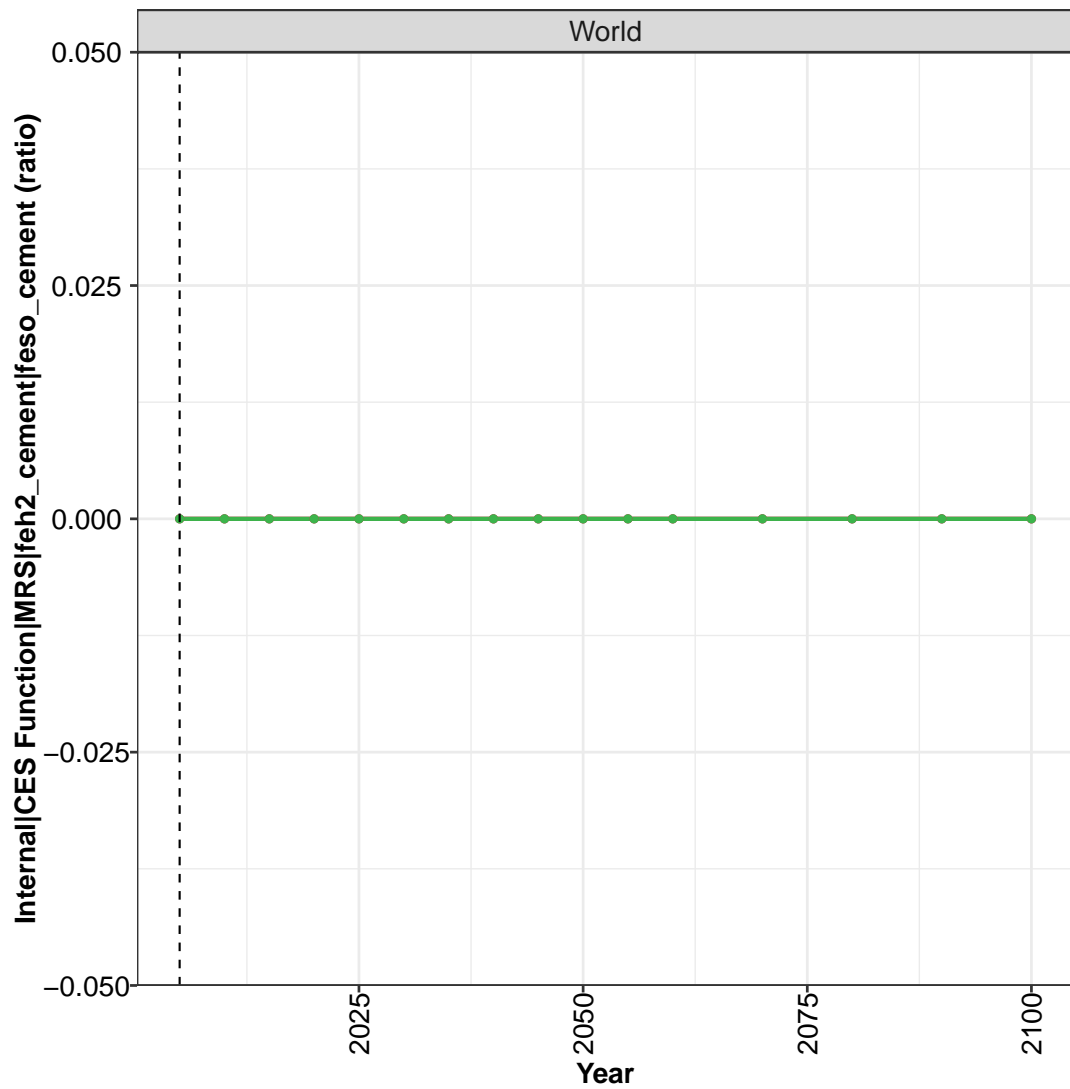
12.2.2.2 Cement



Model: REMIND

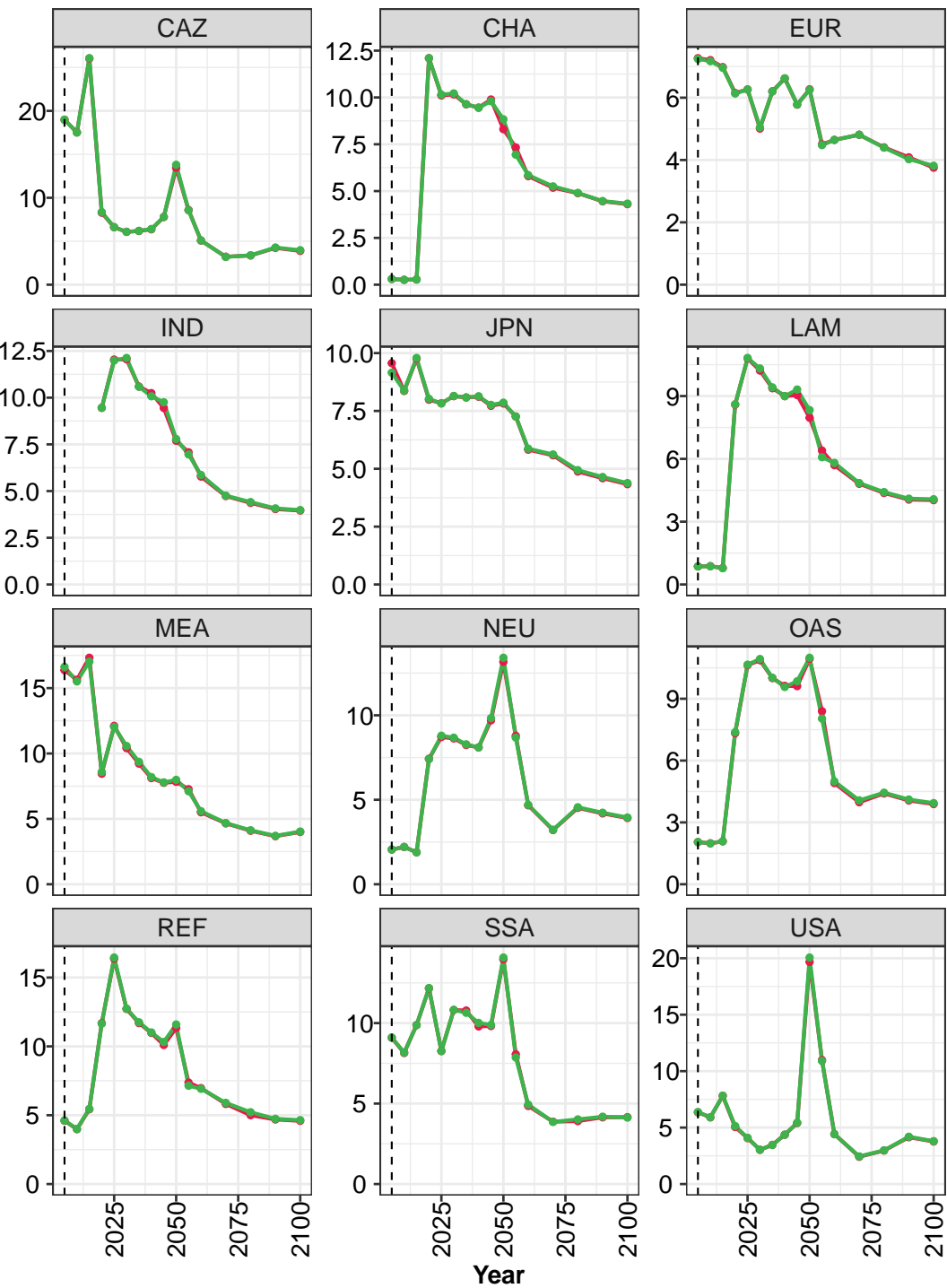
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- SSP2EU-NPi-calibrate-ETPfix



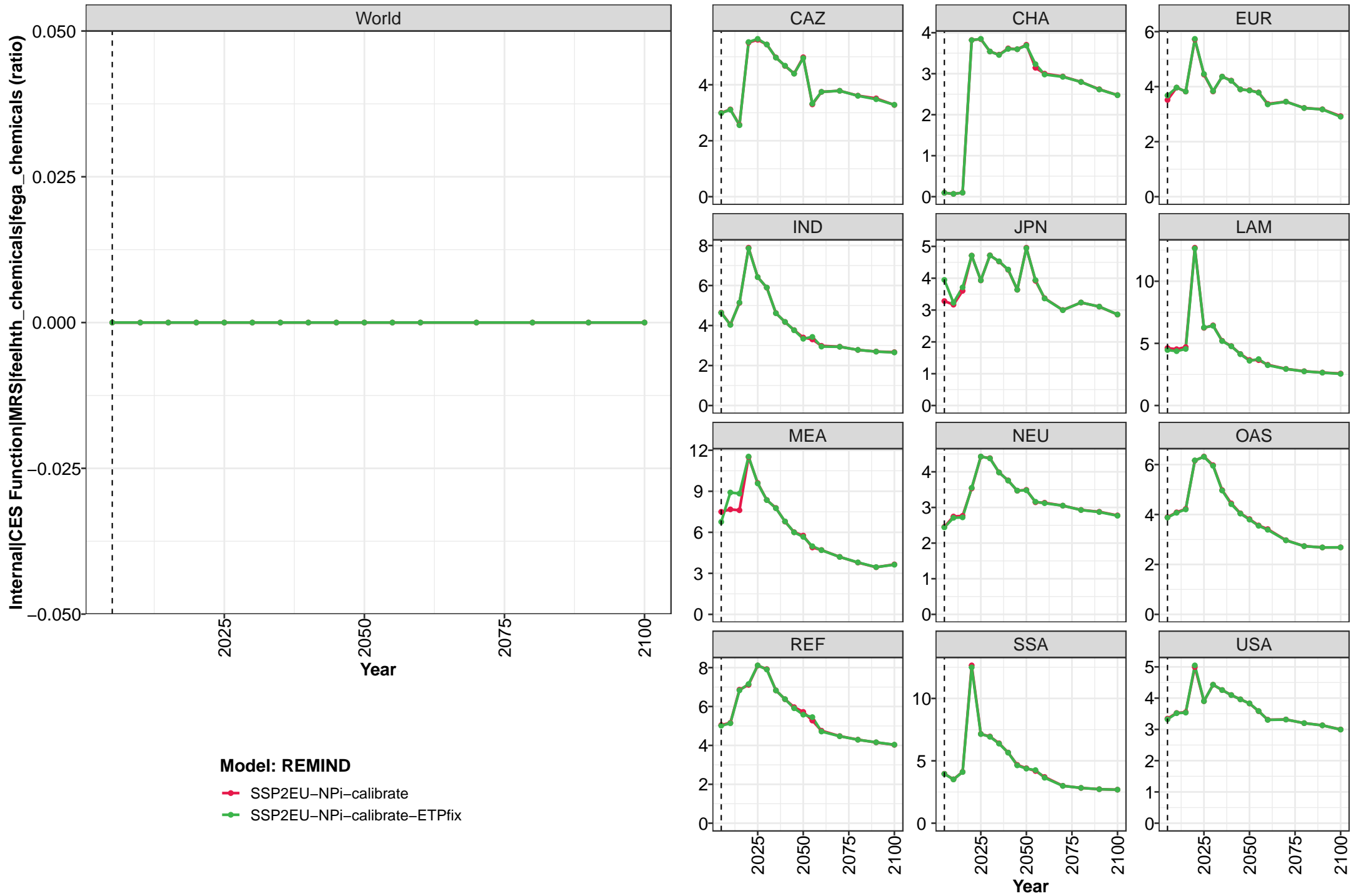


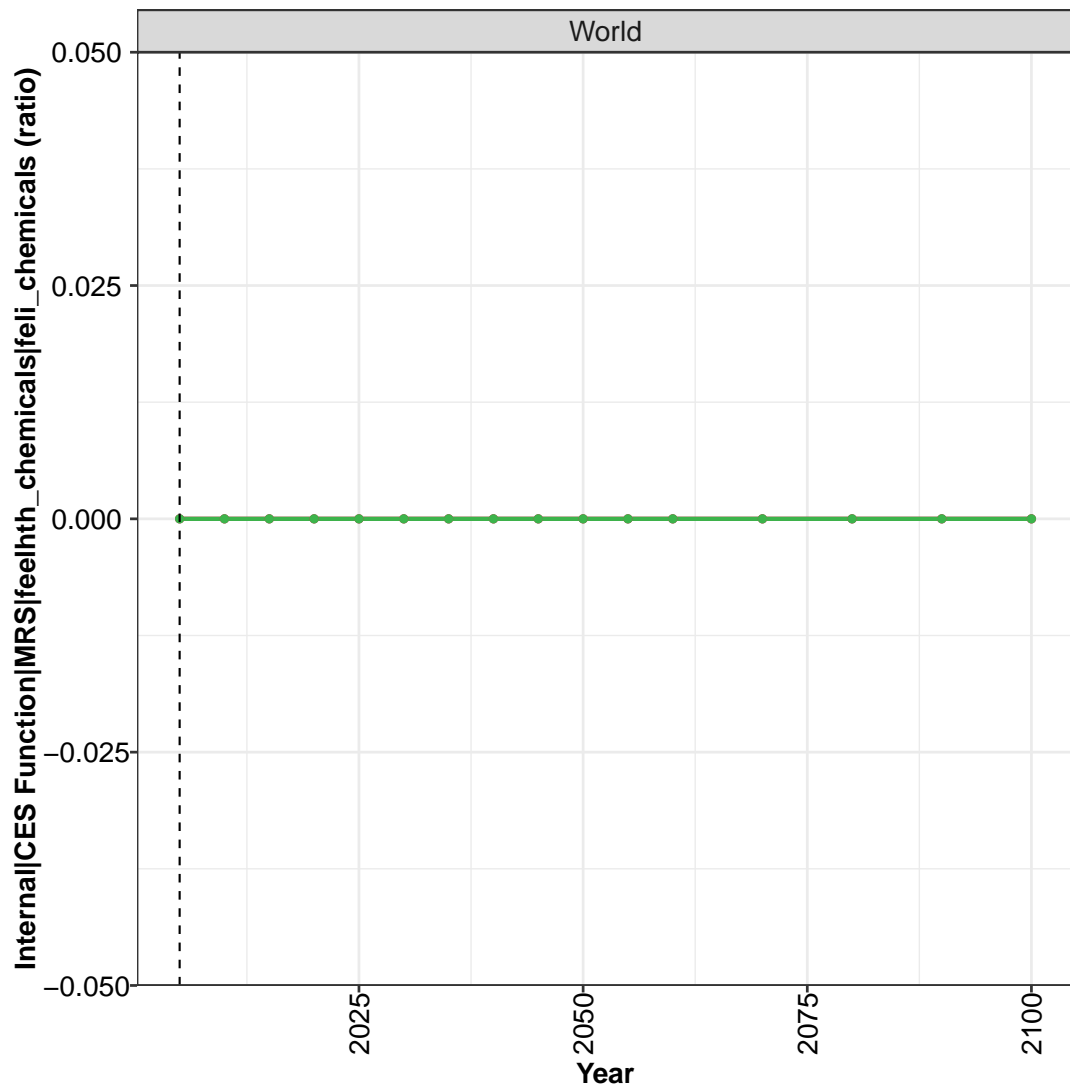
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



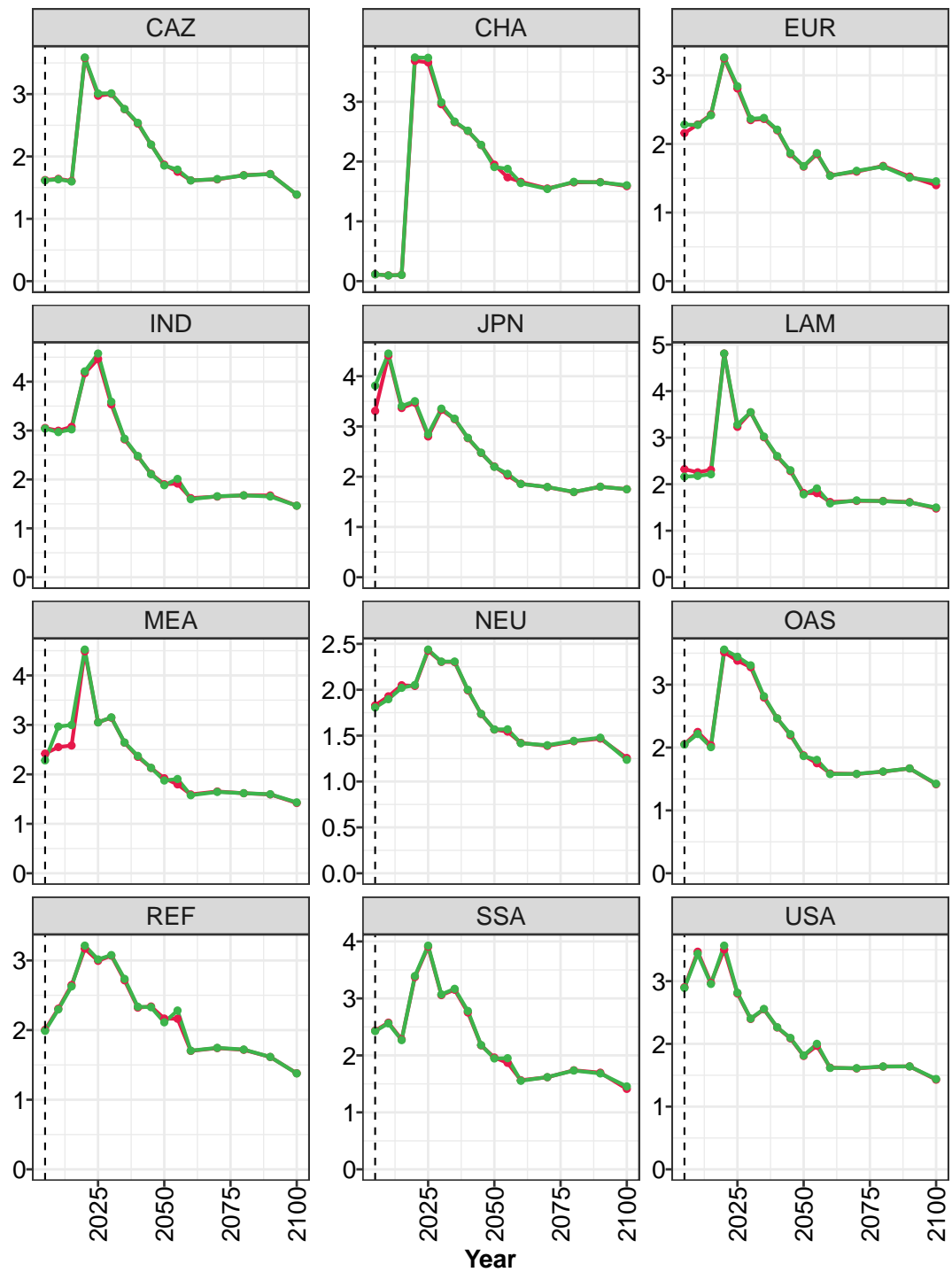
12.2.2.3 Chemicals

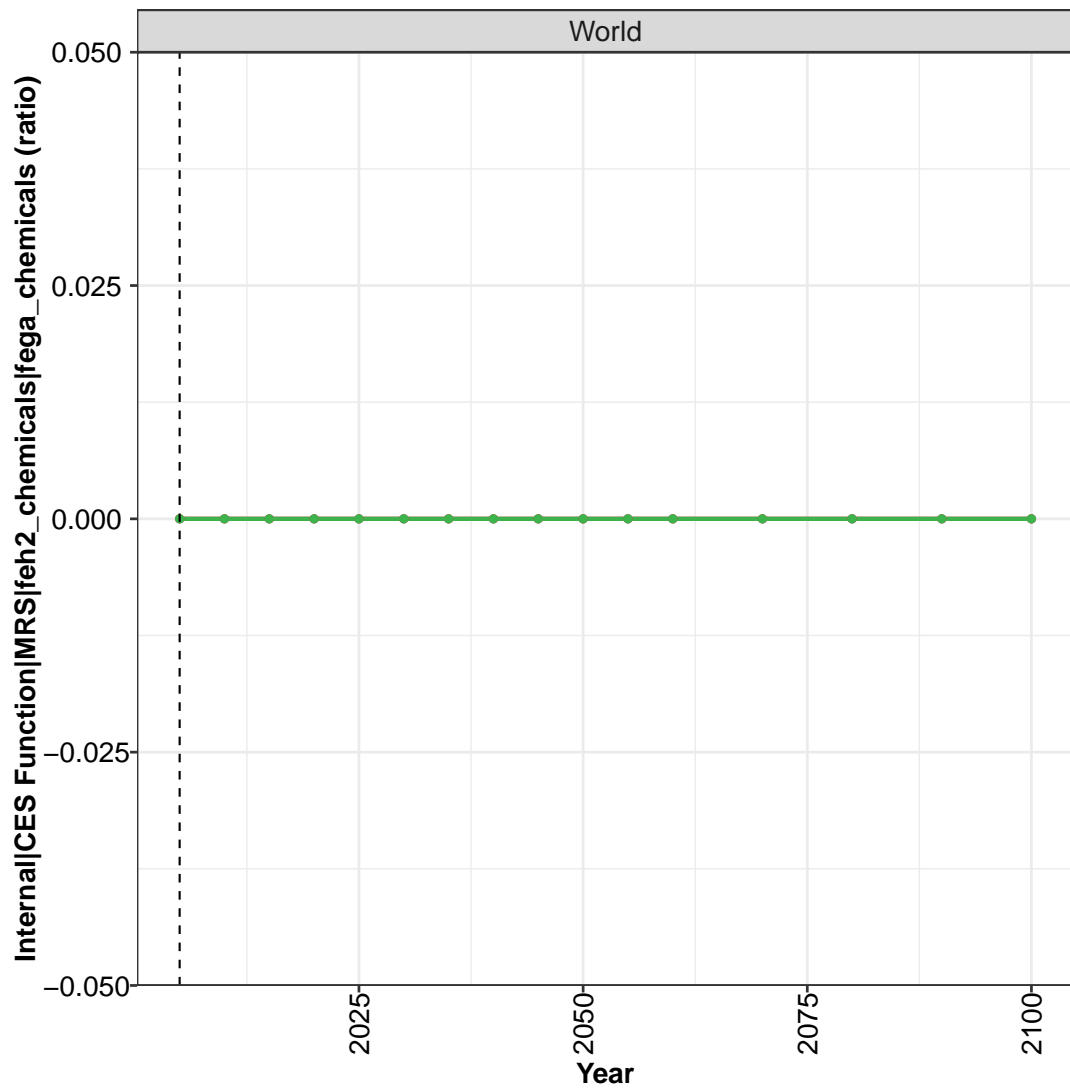




Model: REMIND

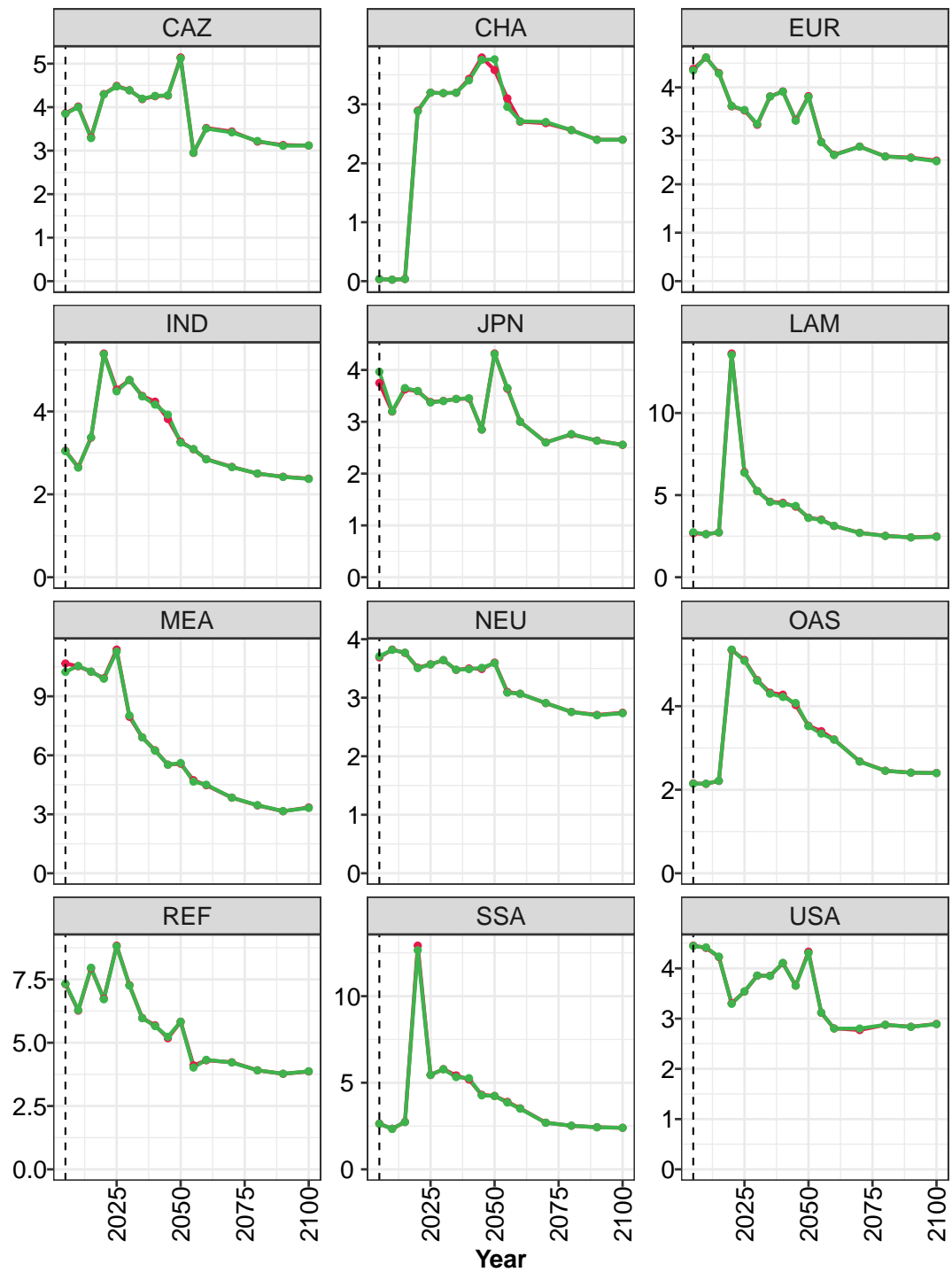
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

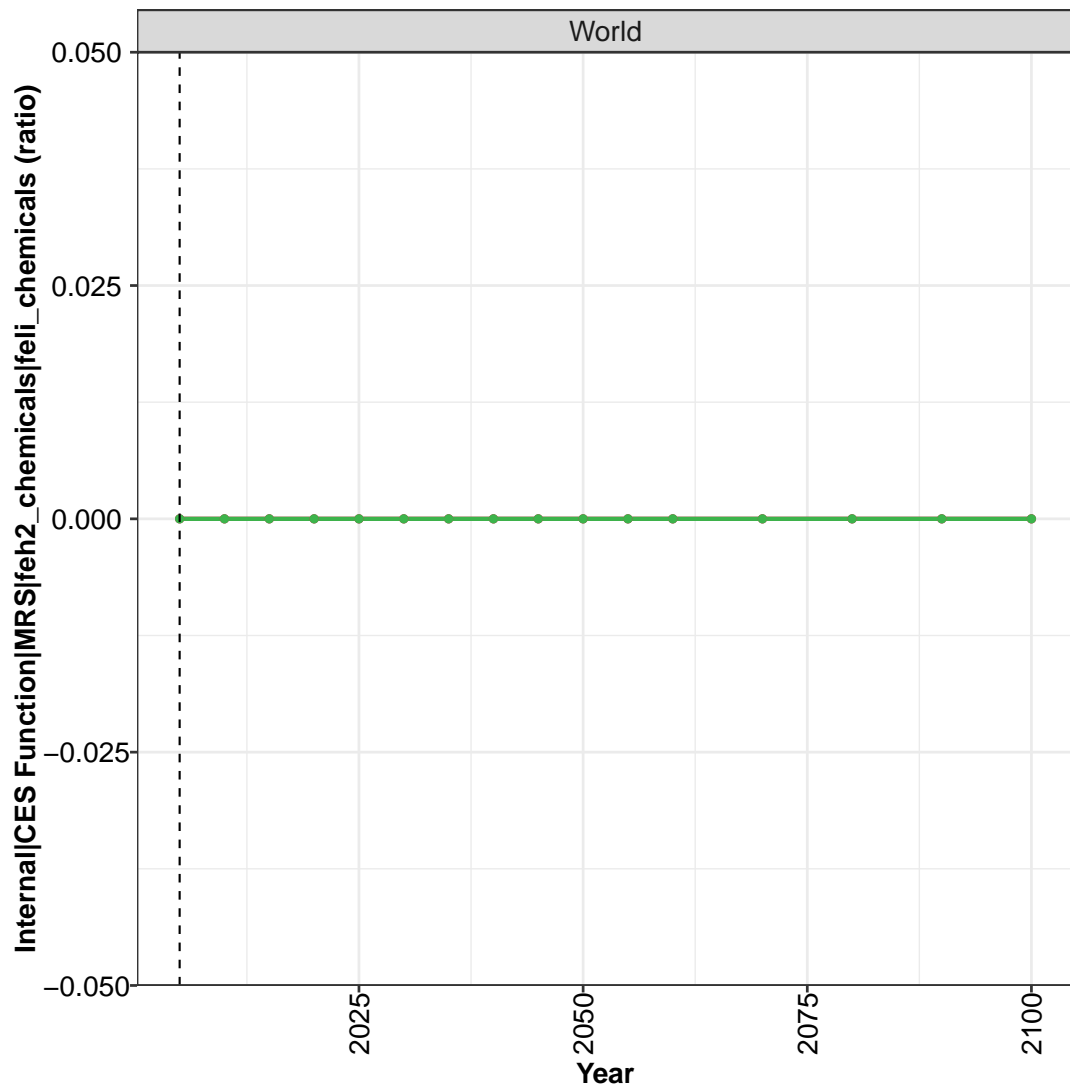




Model: REMIND

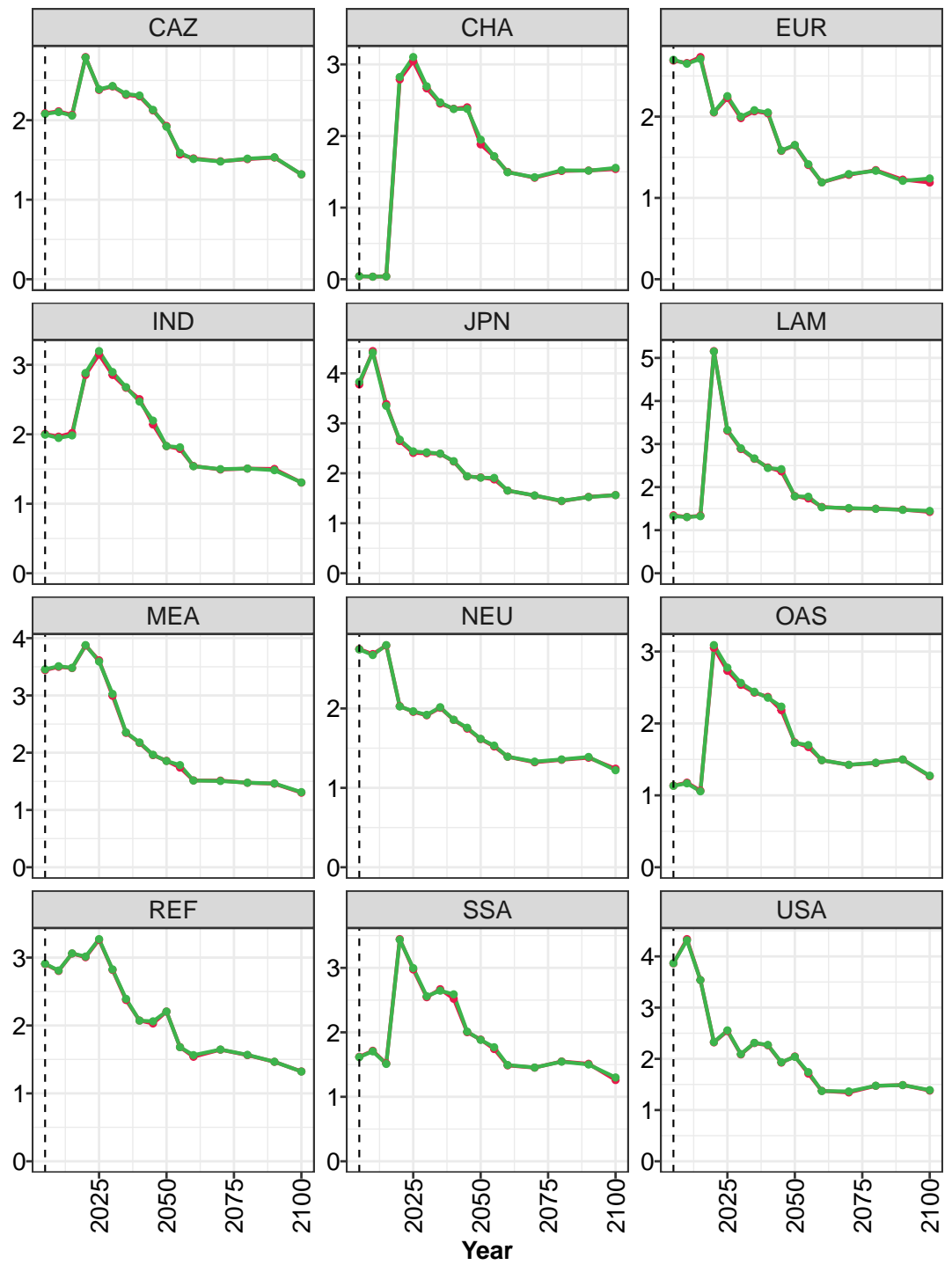
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



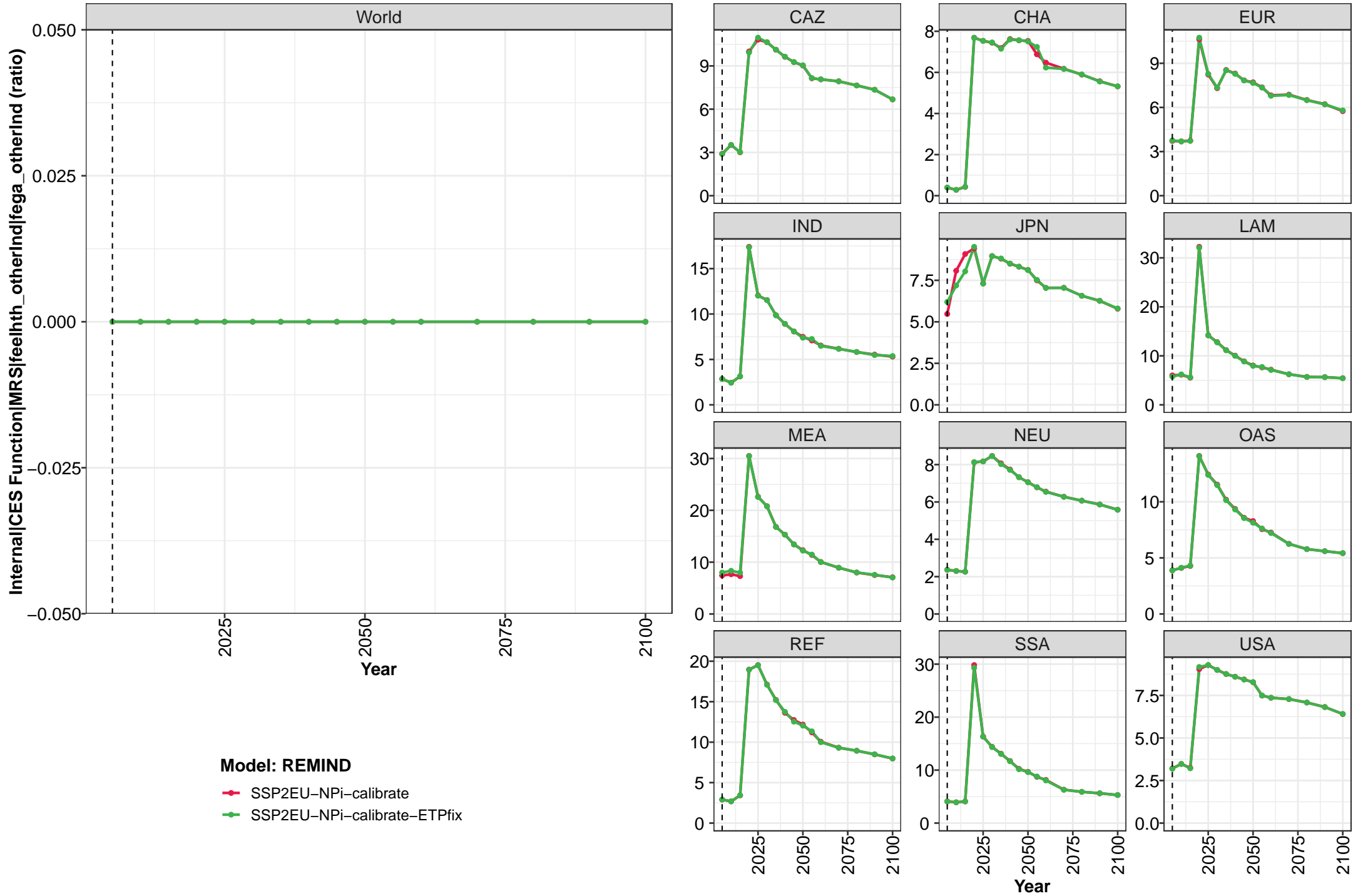


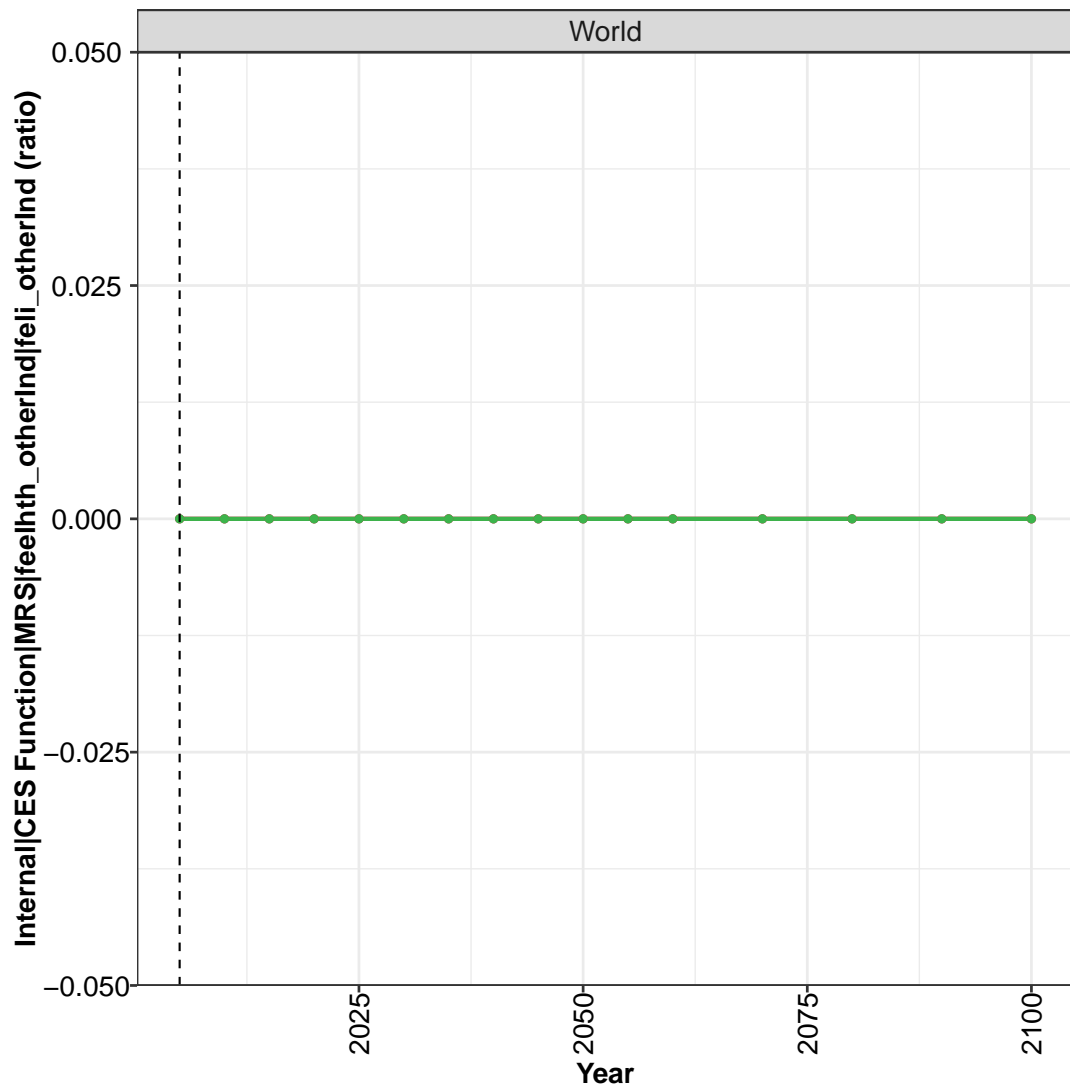
Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



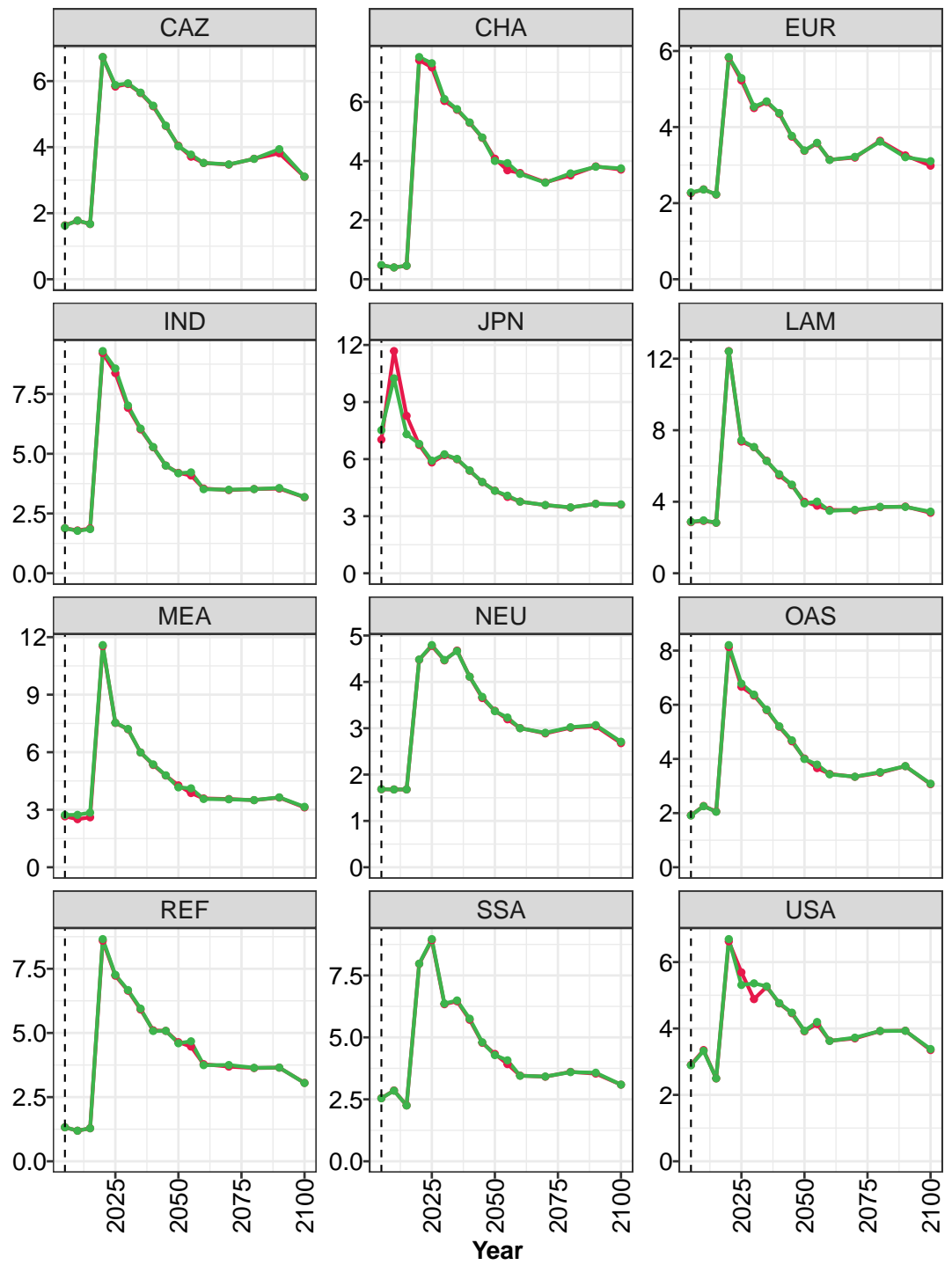
12.2.2.4 Other Industry

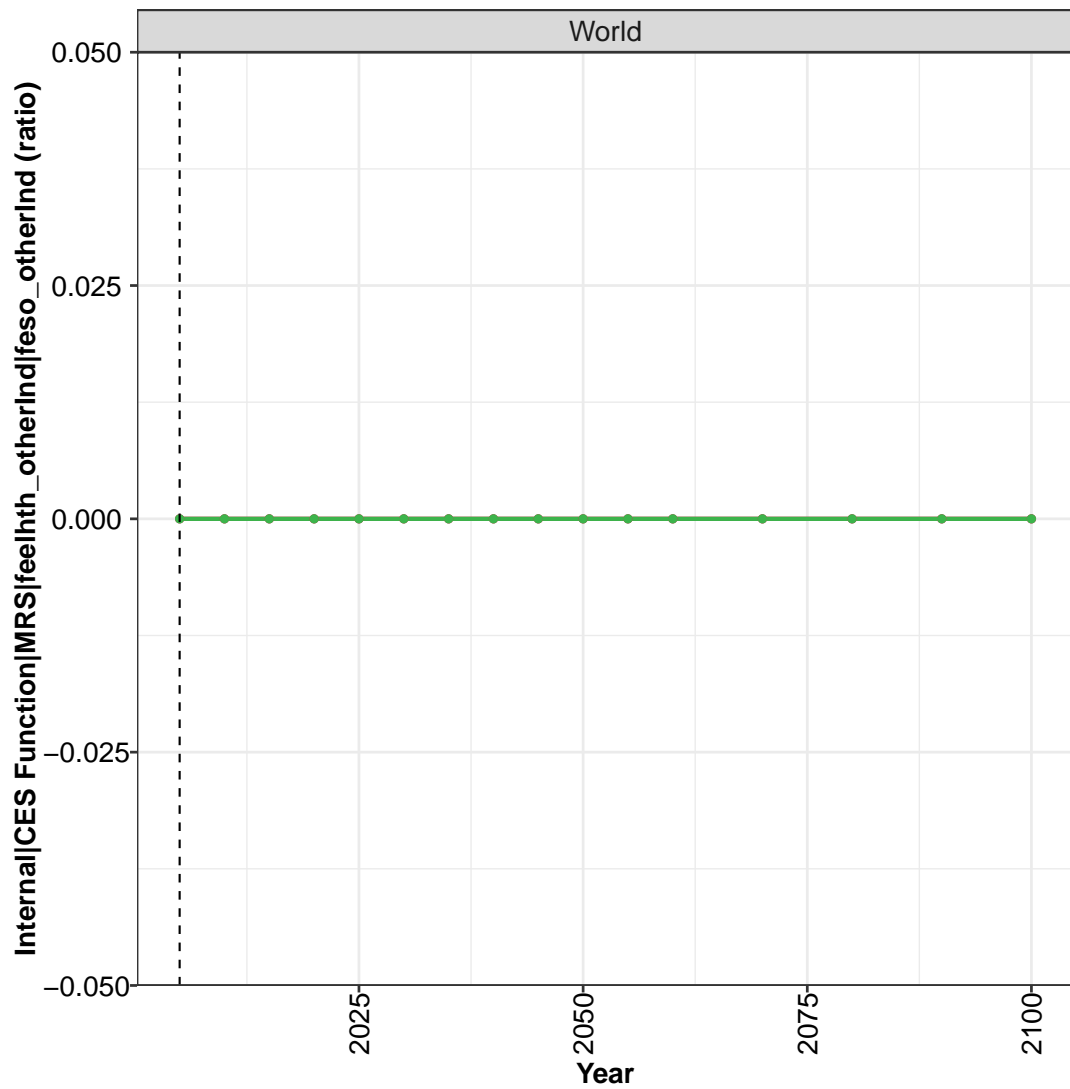




Model: REMIND

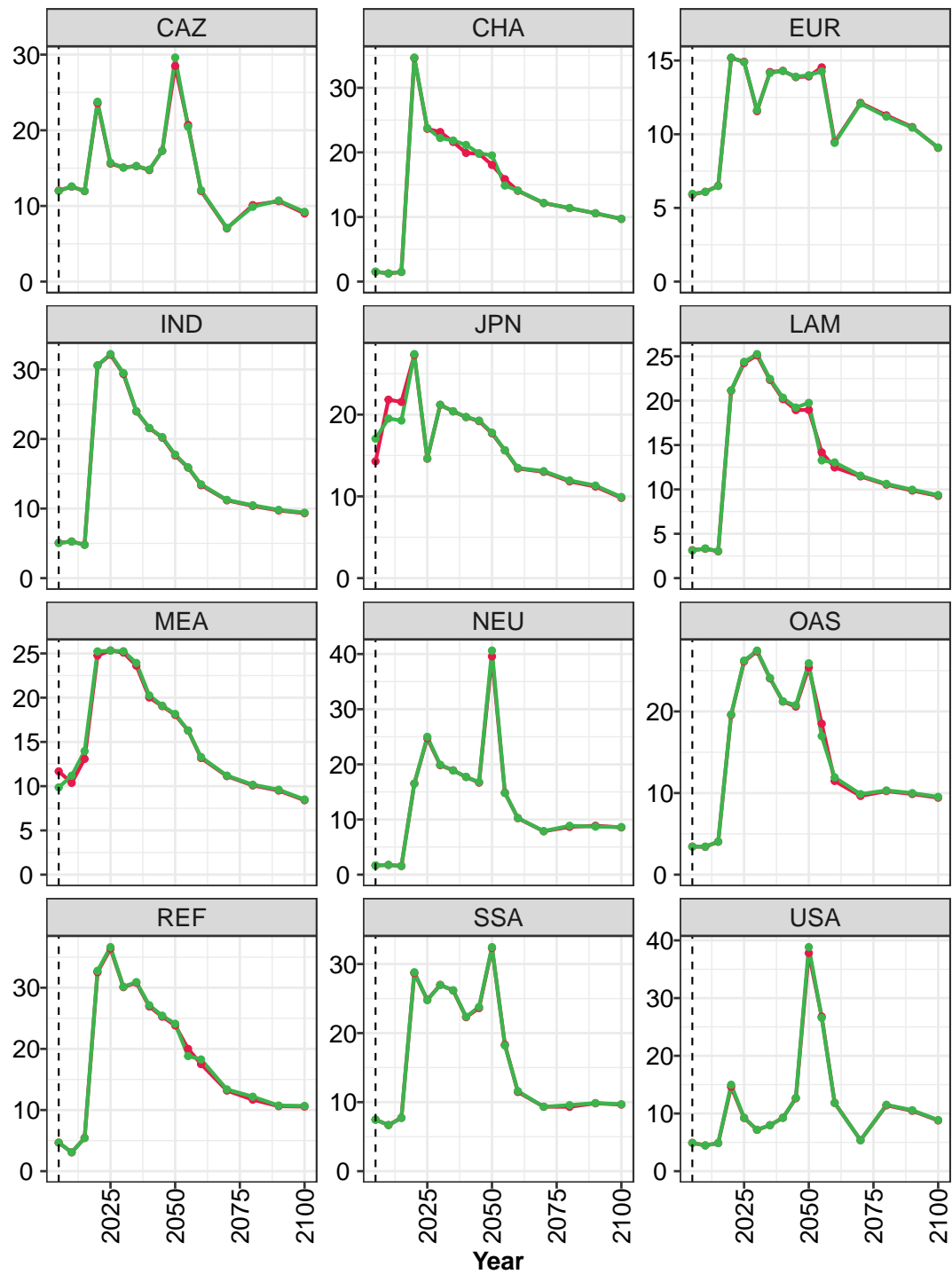
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

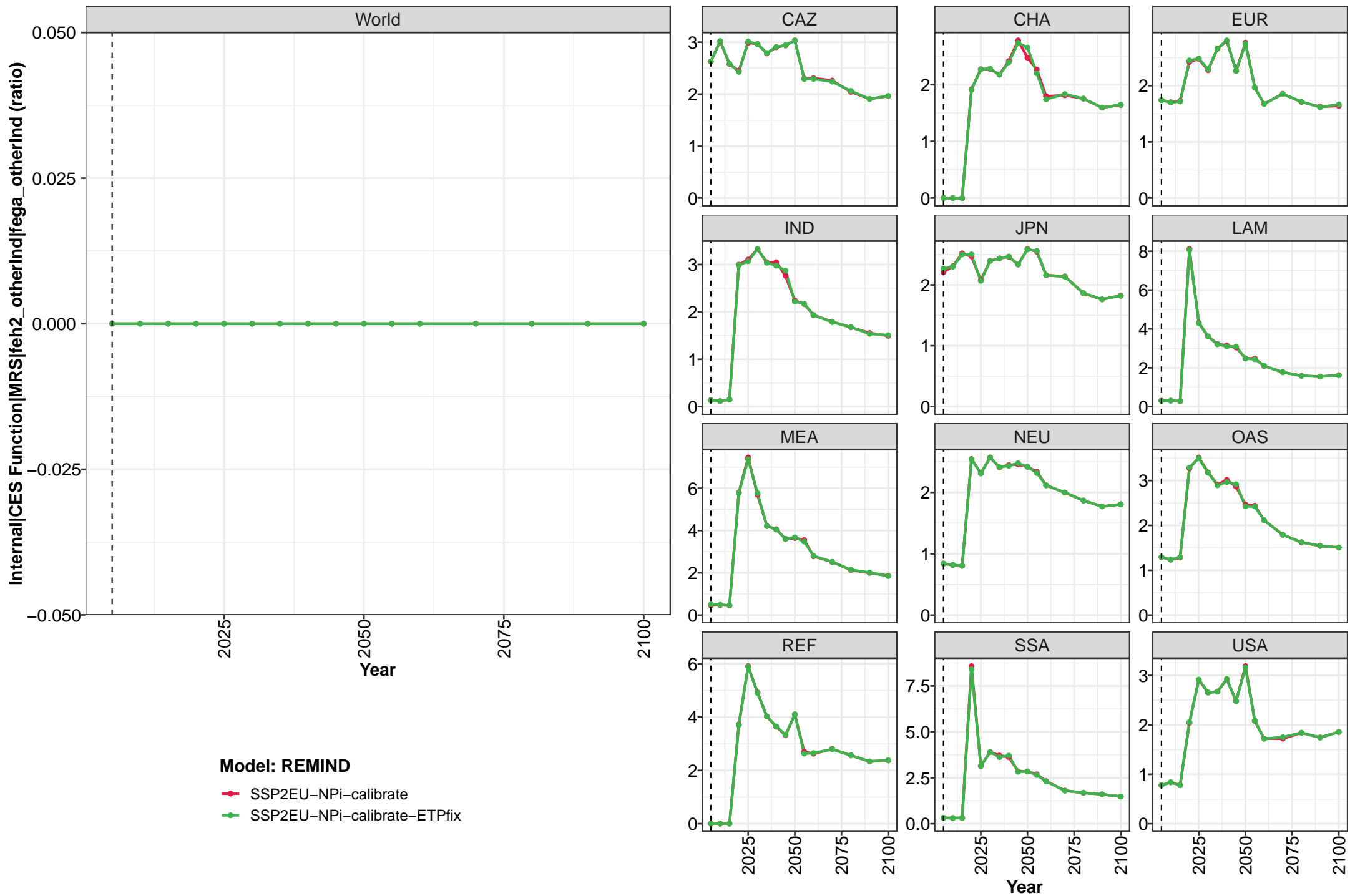


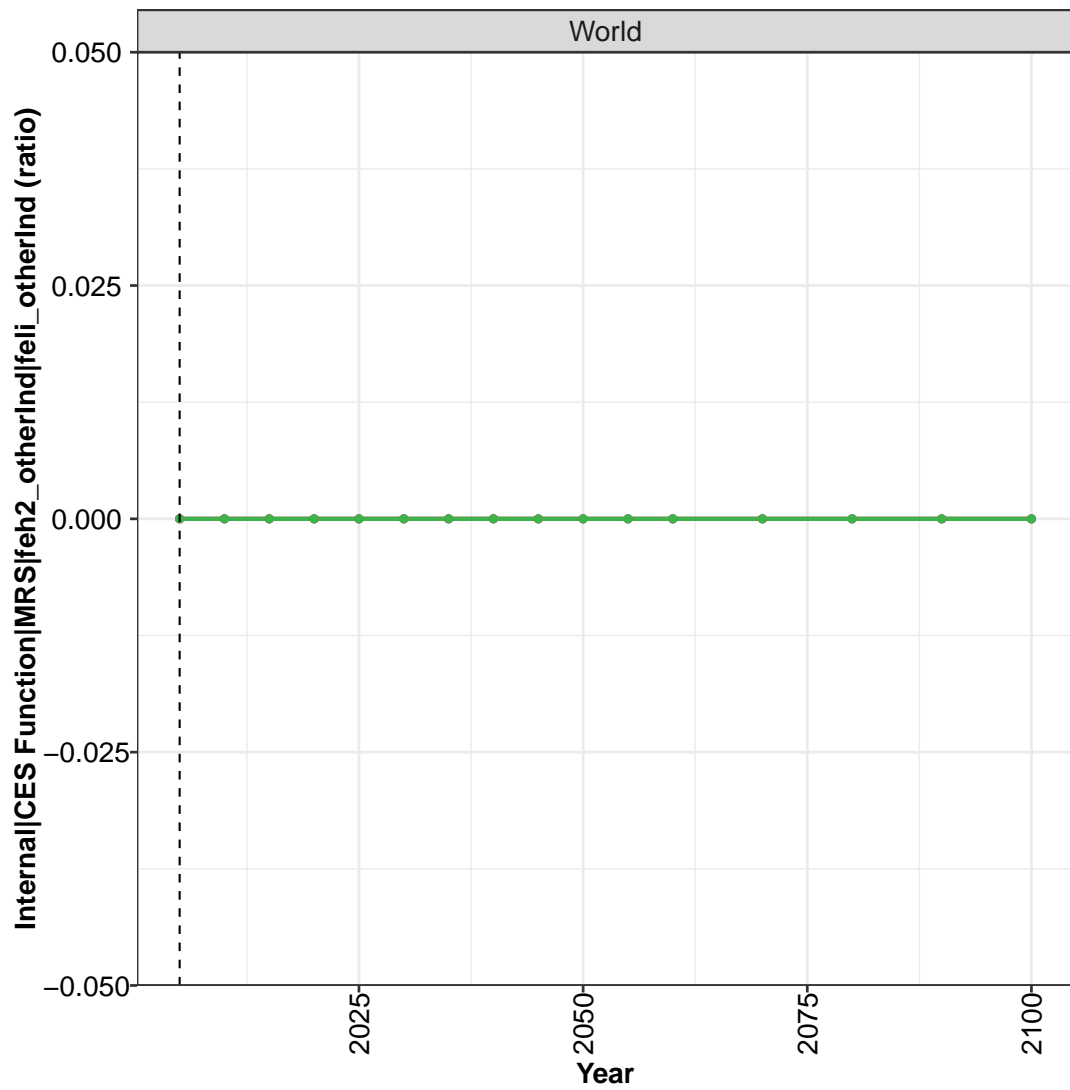


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

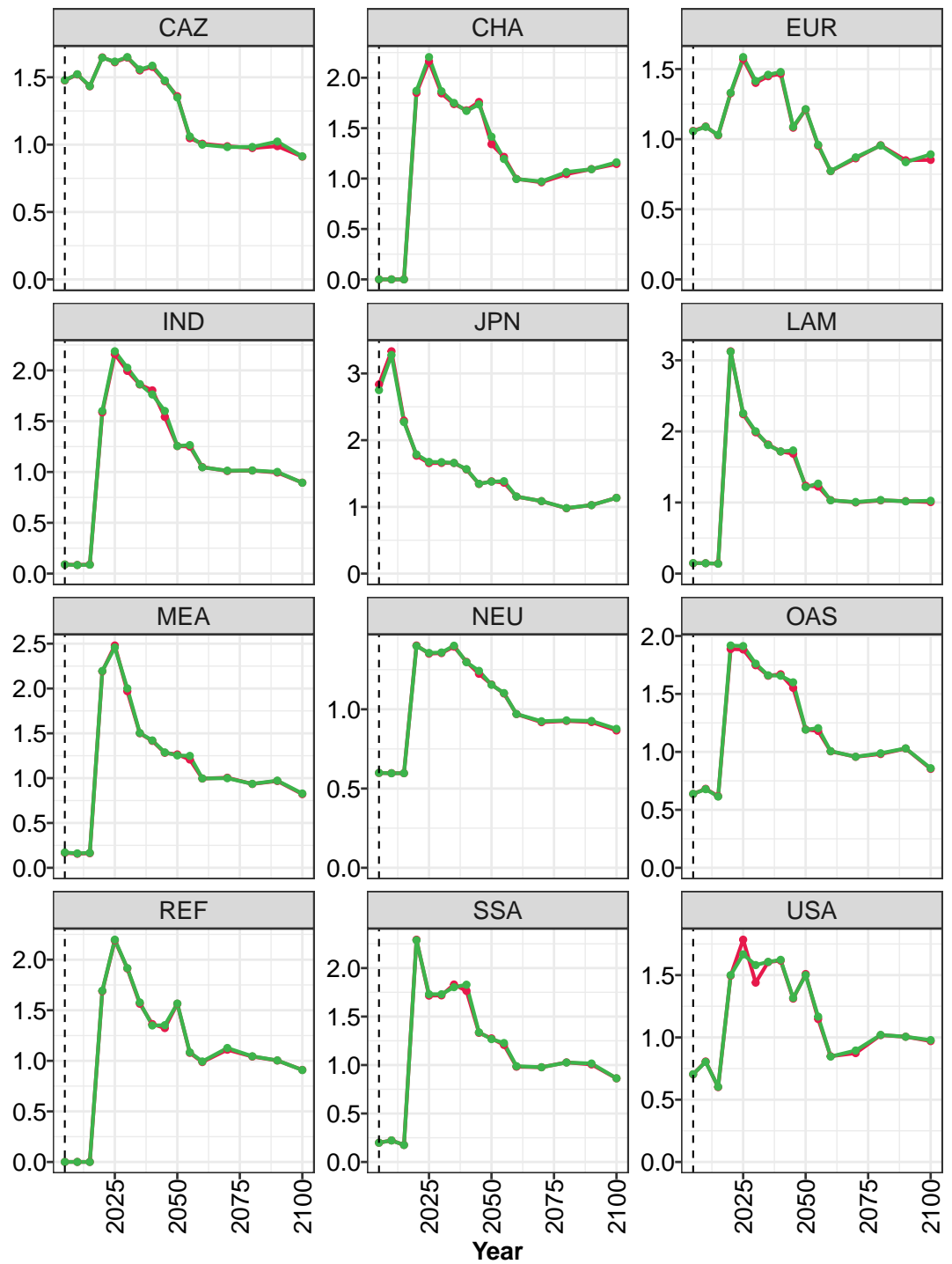


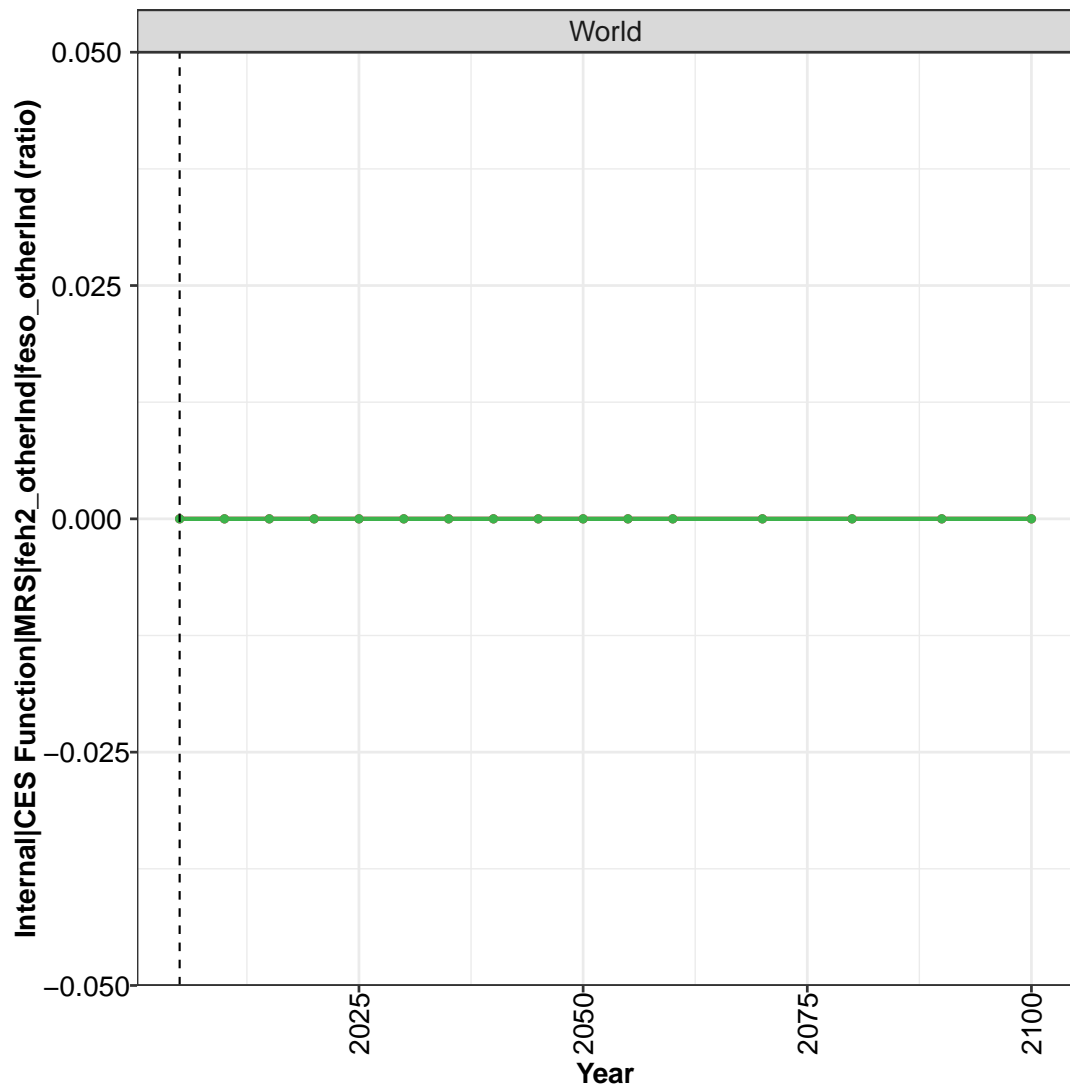




Model: REMIND

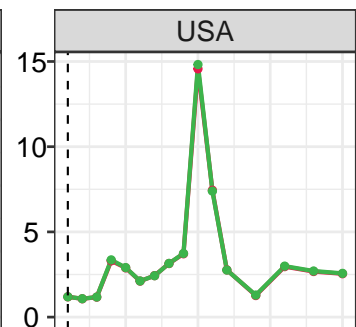
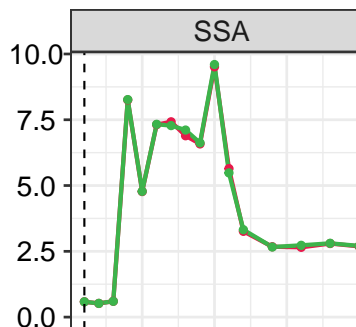
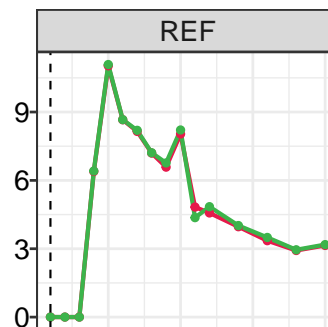
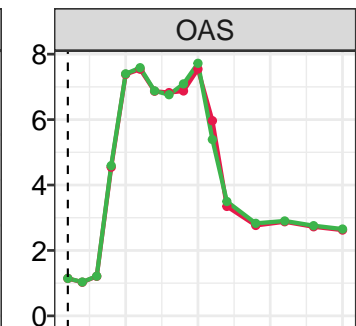
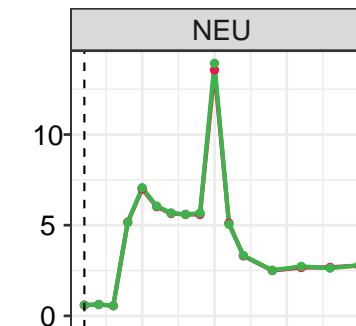
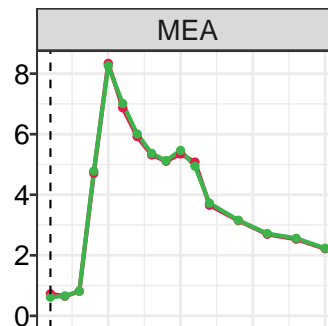
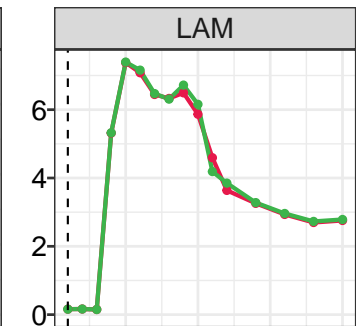
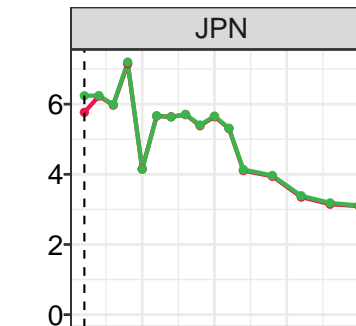
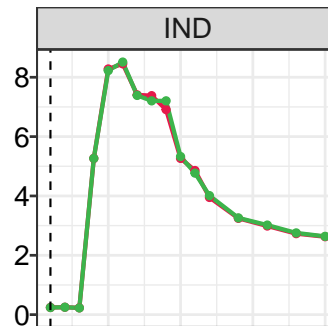
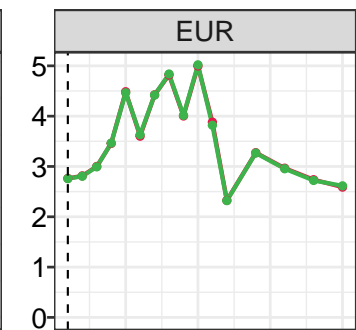
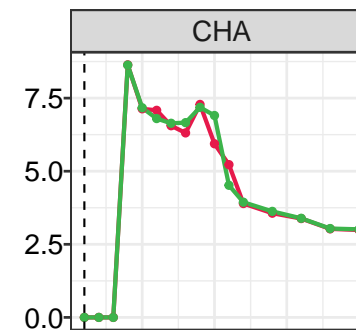
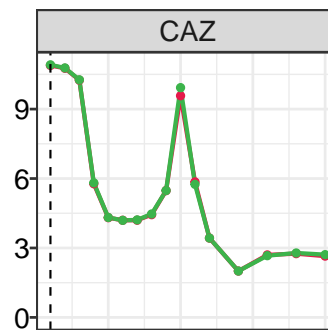
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix





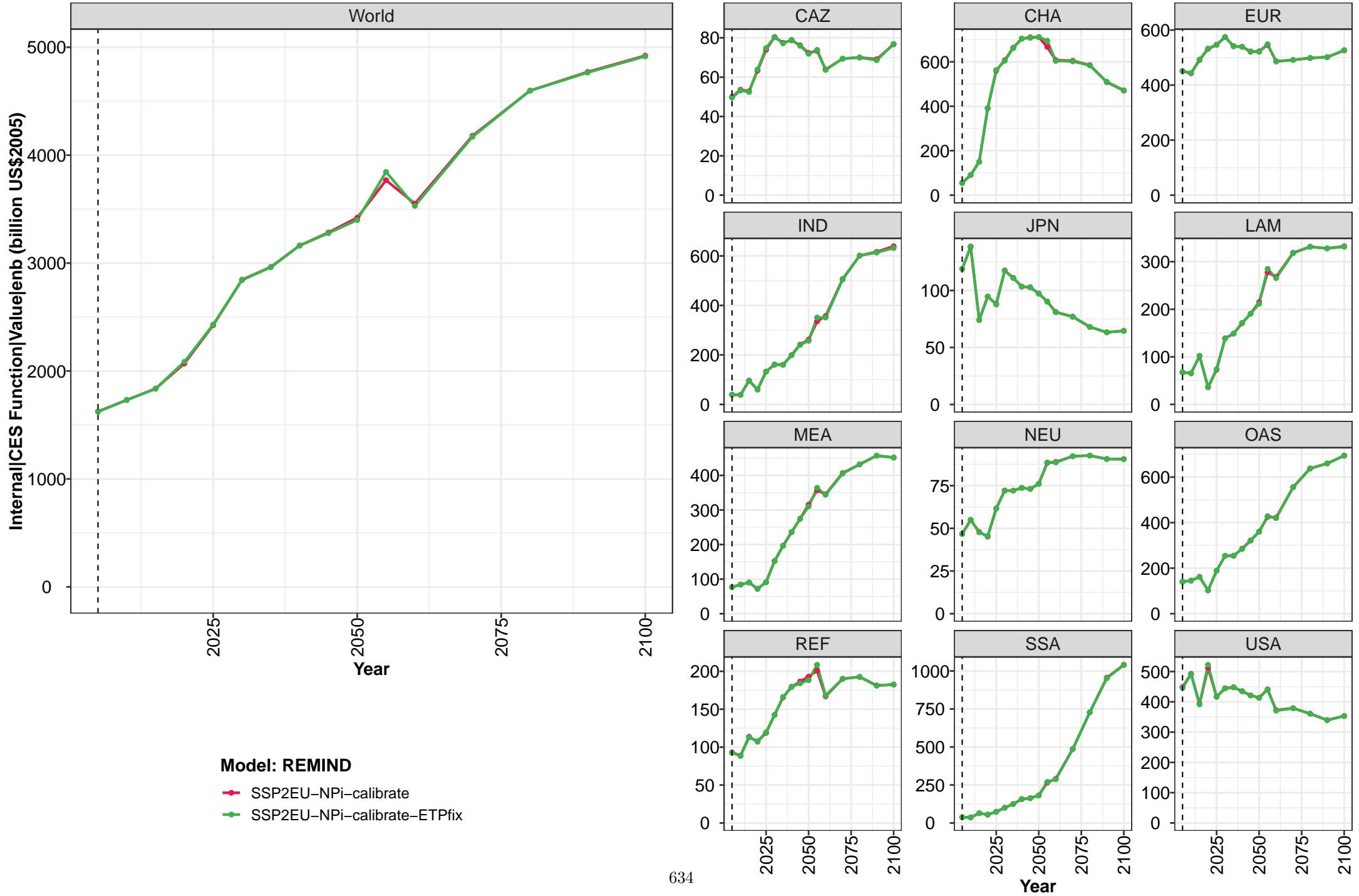
Model: REMIND

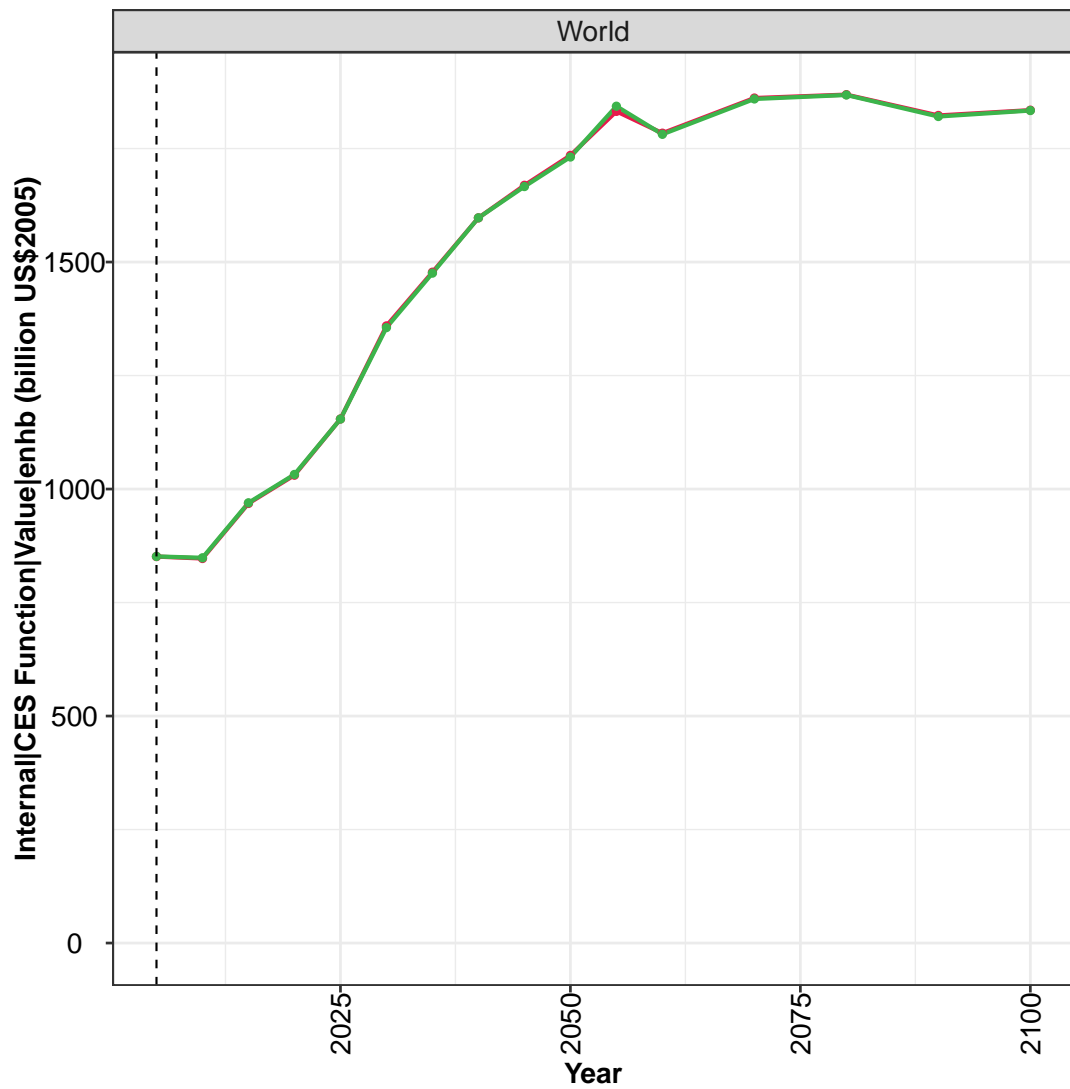
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



12.3 CES Function Value (selected)

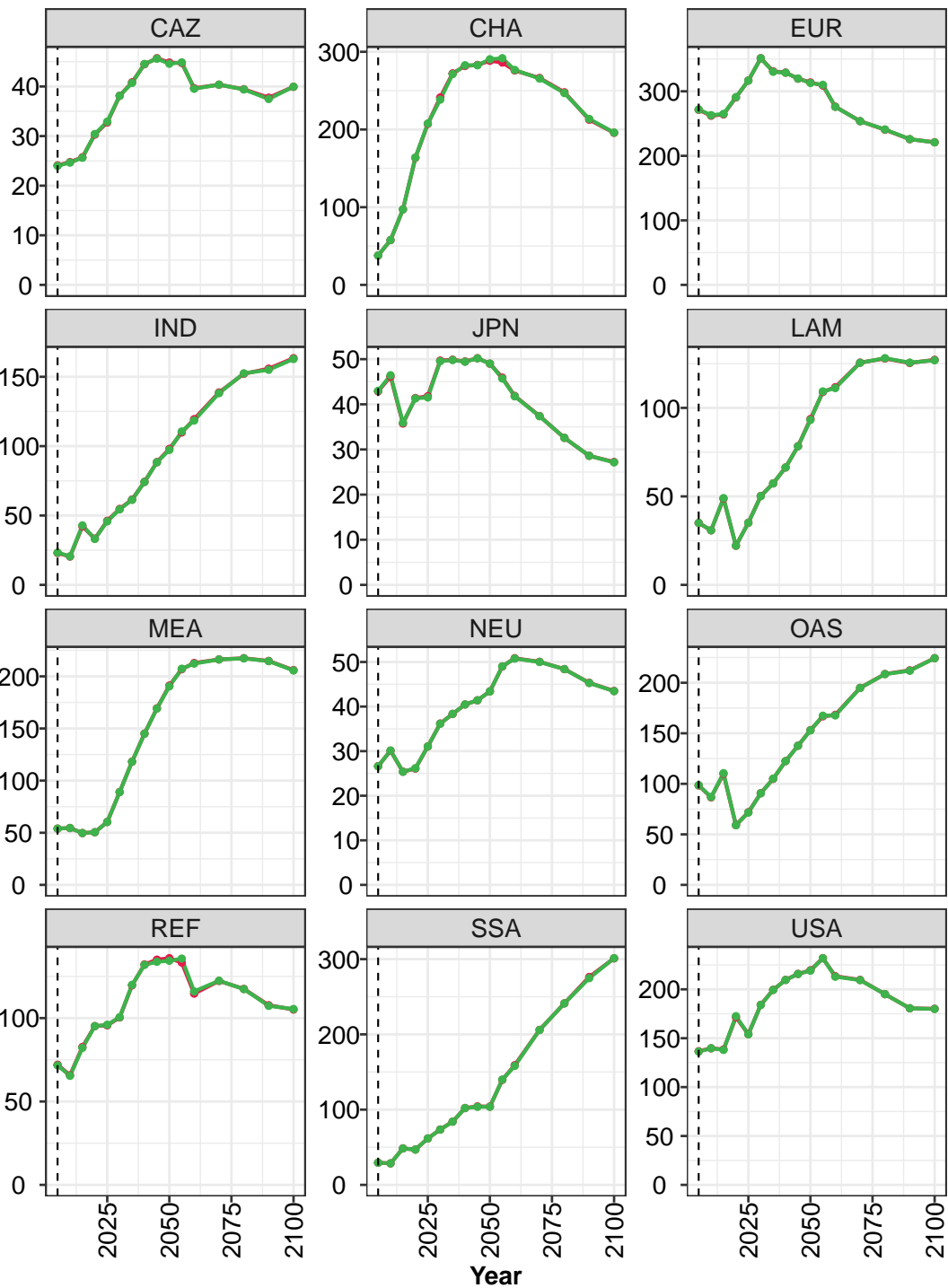
12.3.1 Buildings

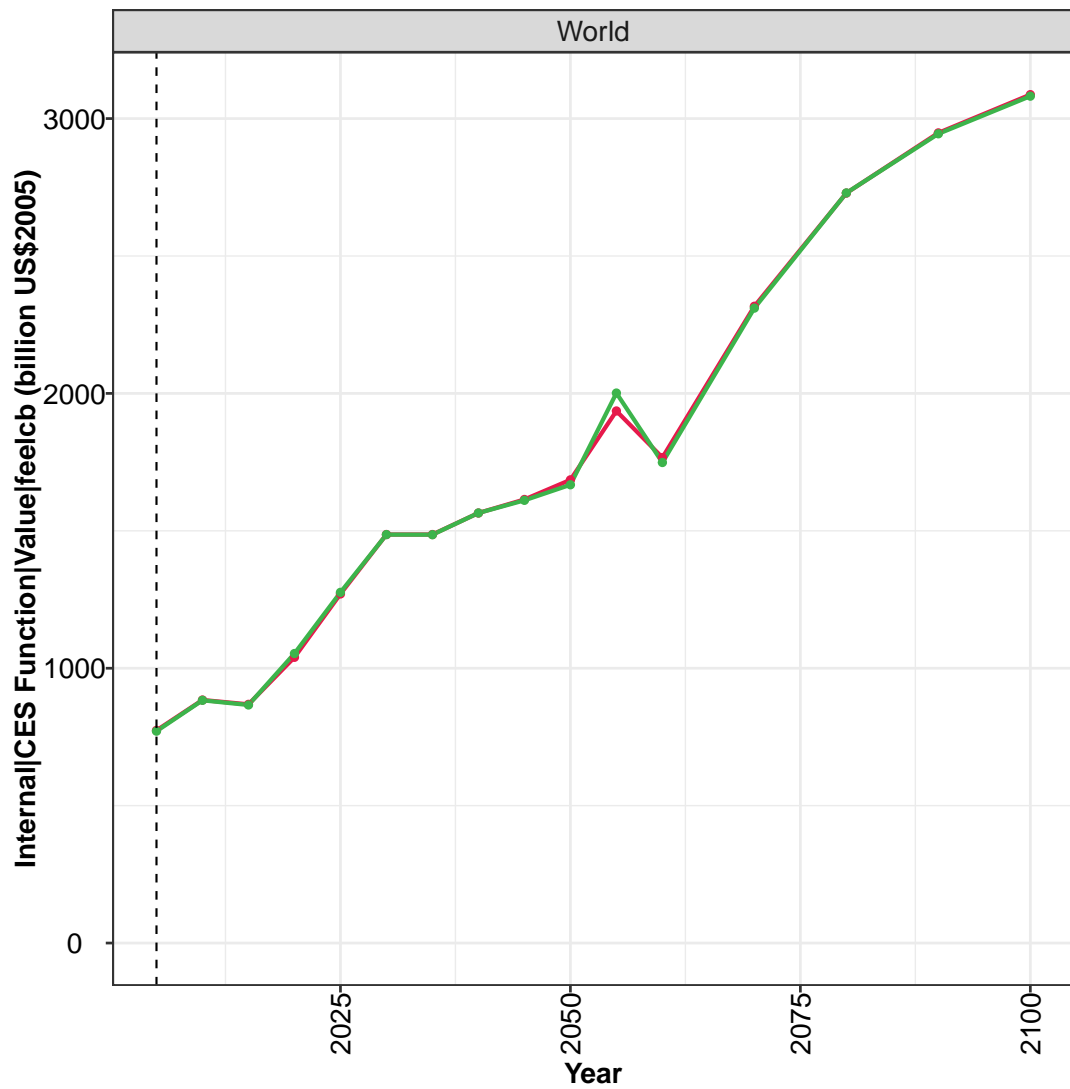




Model: REMIND

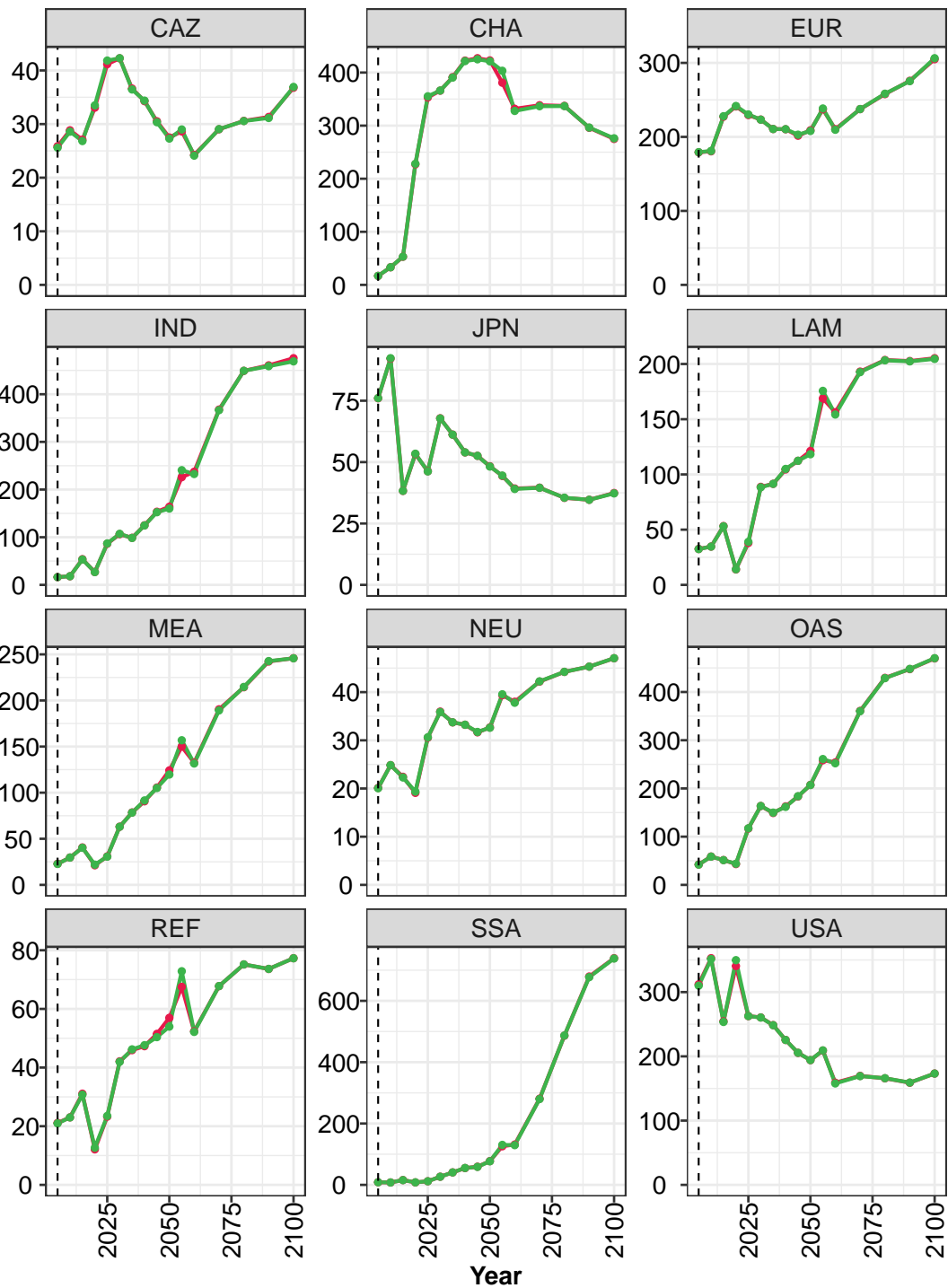
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



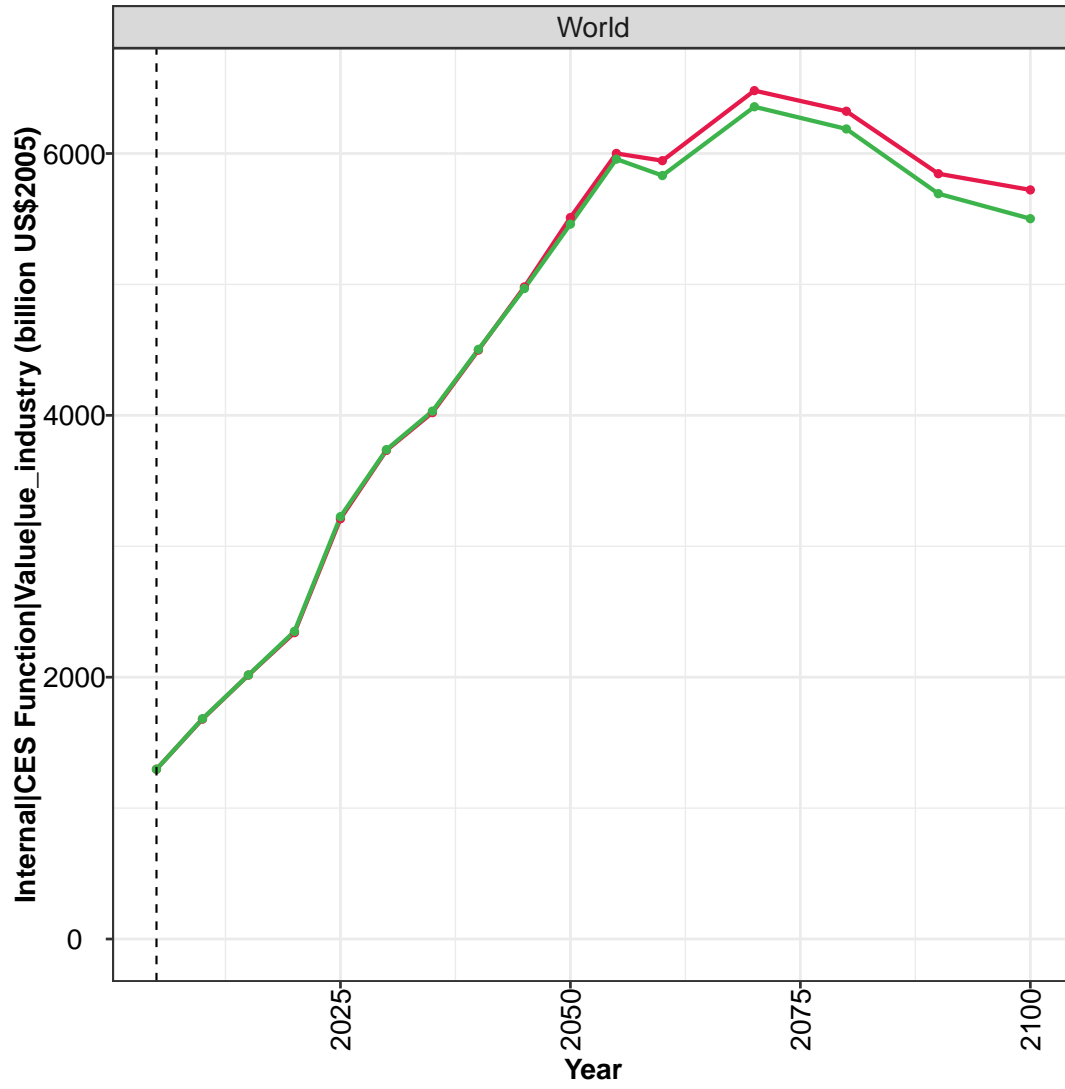


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

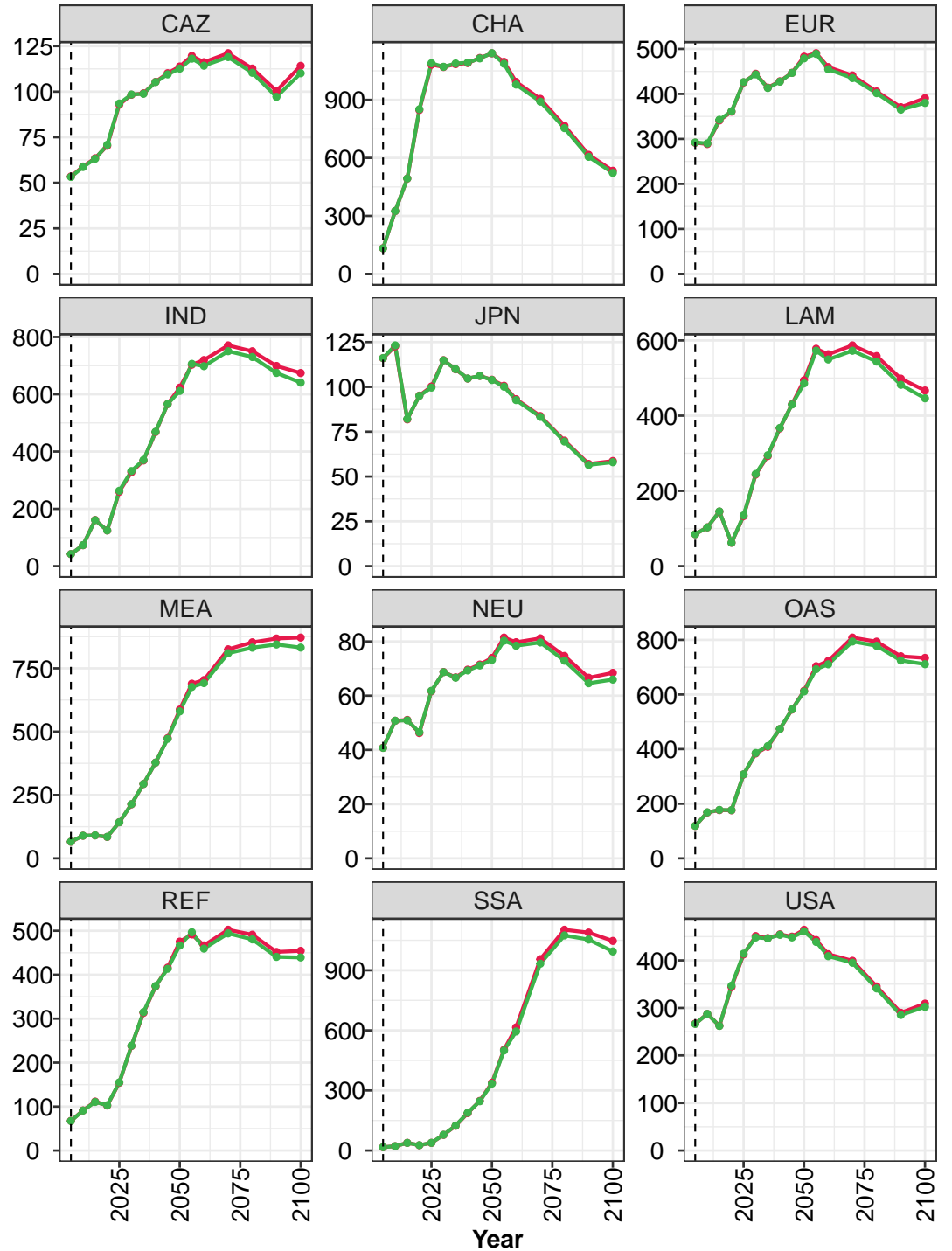


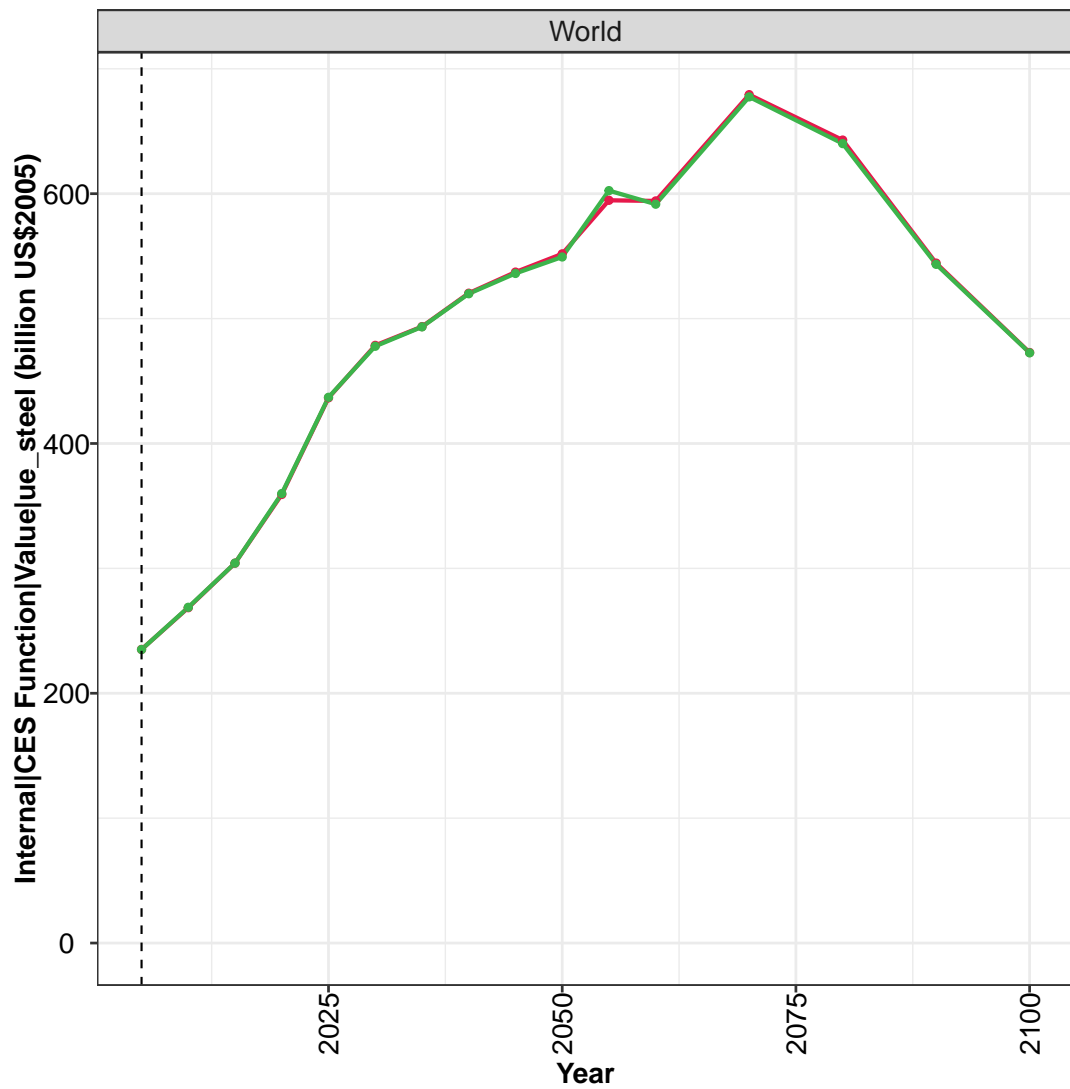
12.3.2 Industry



Model: REMIND

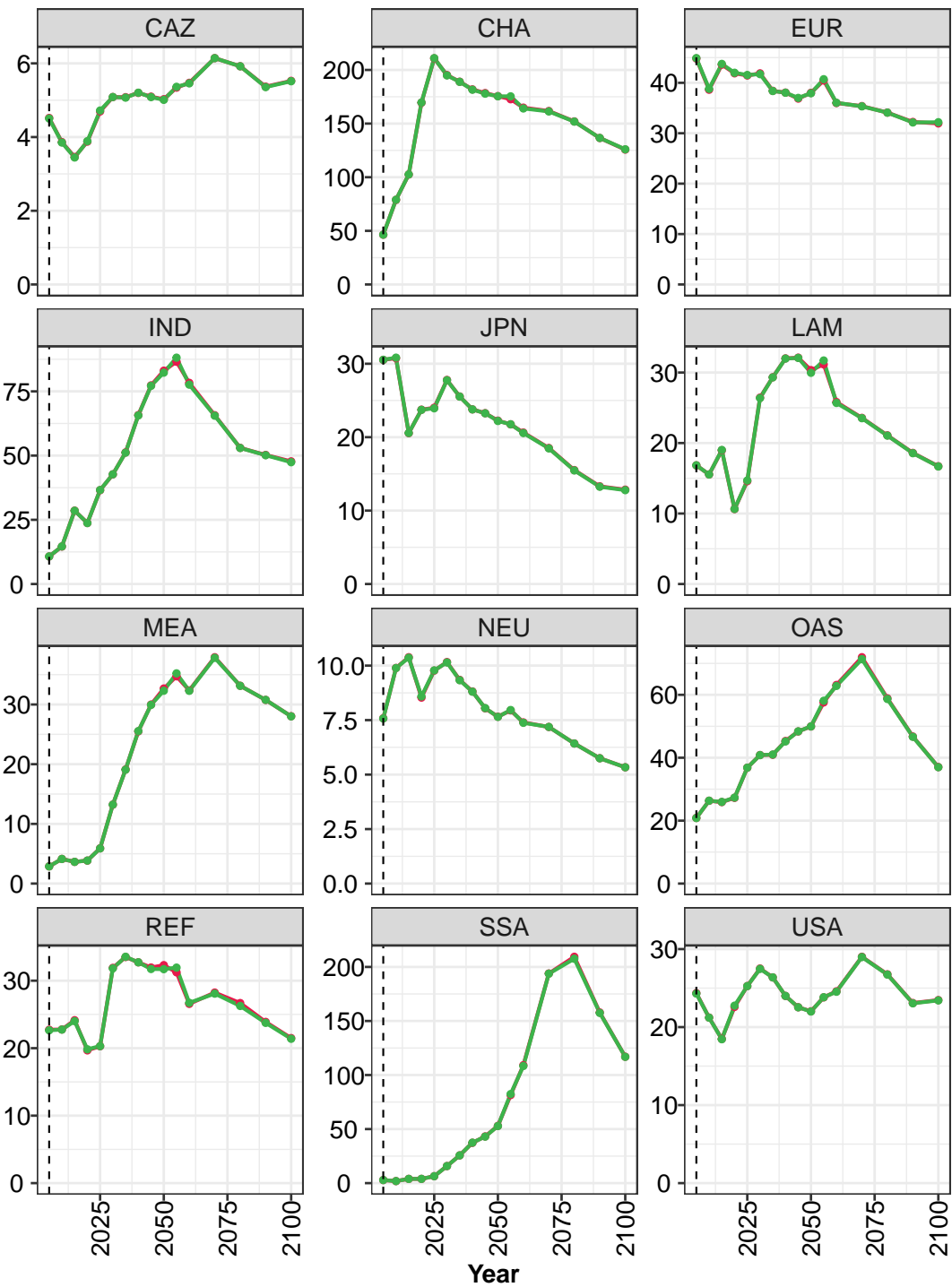
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

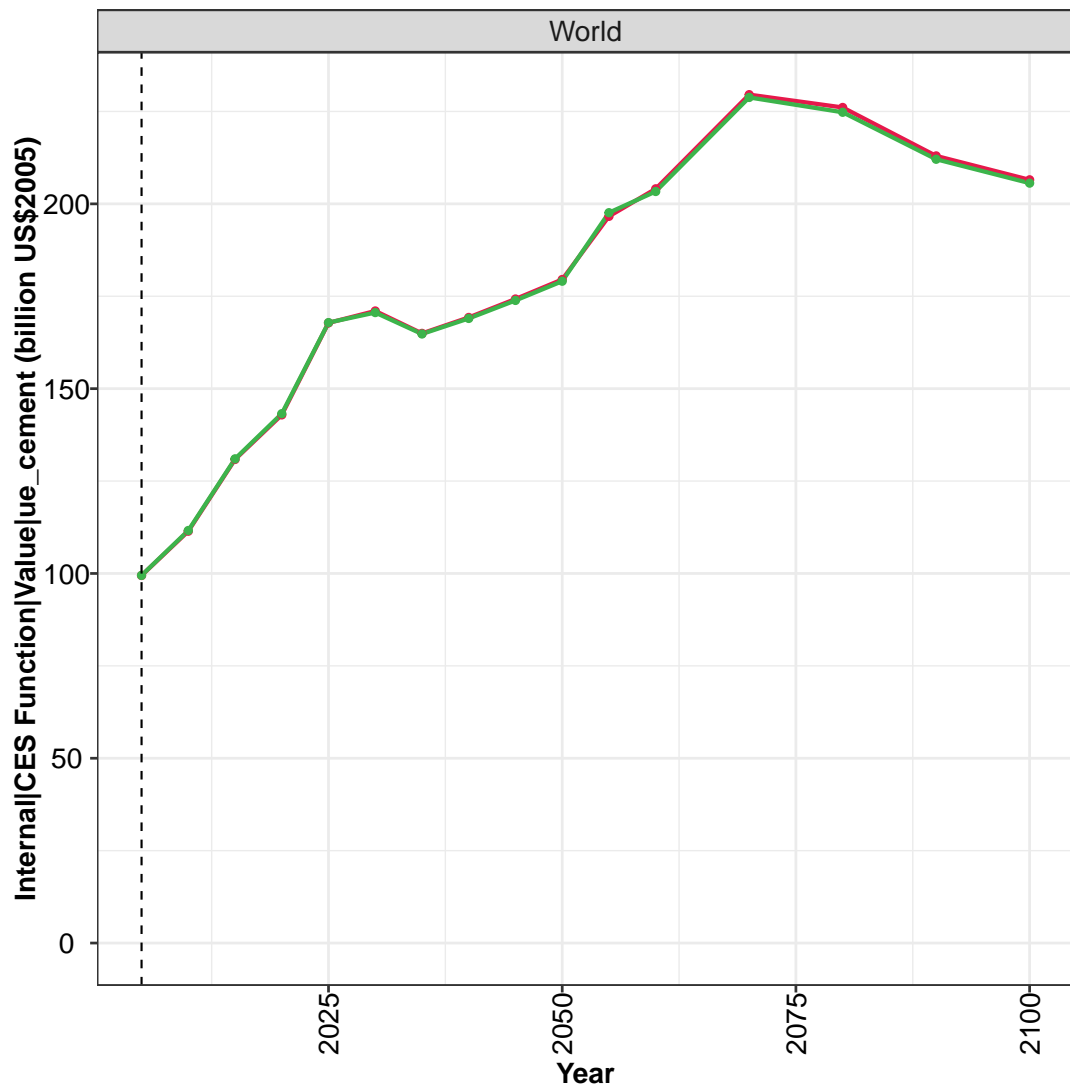




Model: REMIND

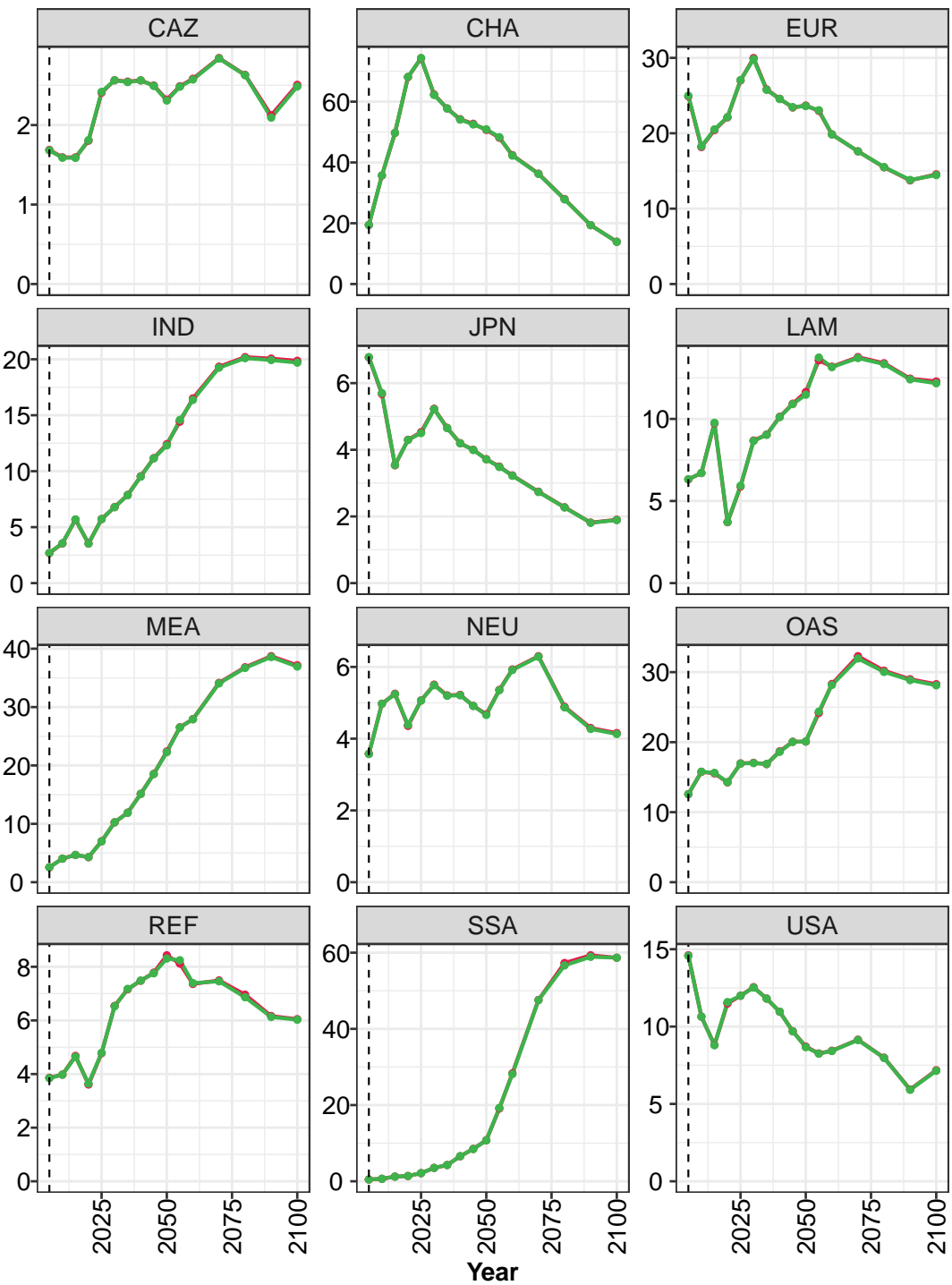
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

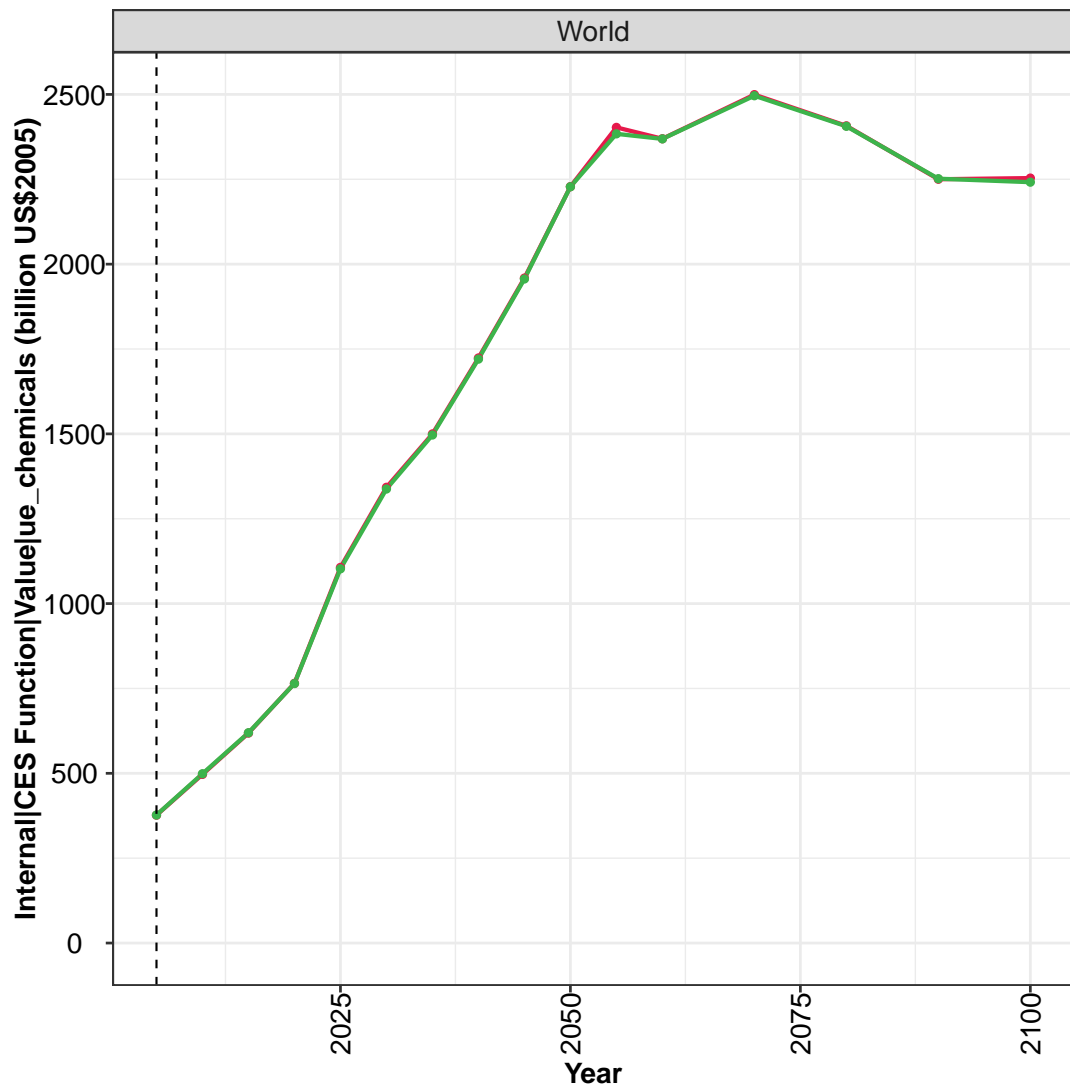




Model: REMIND

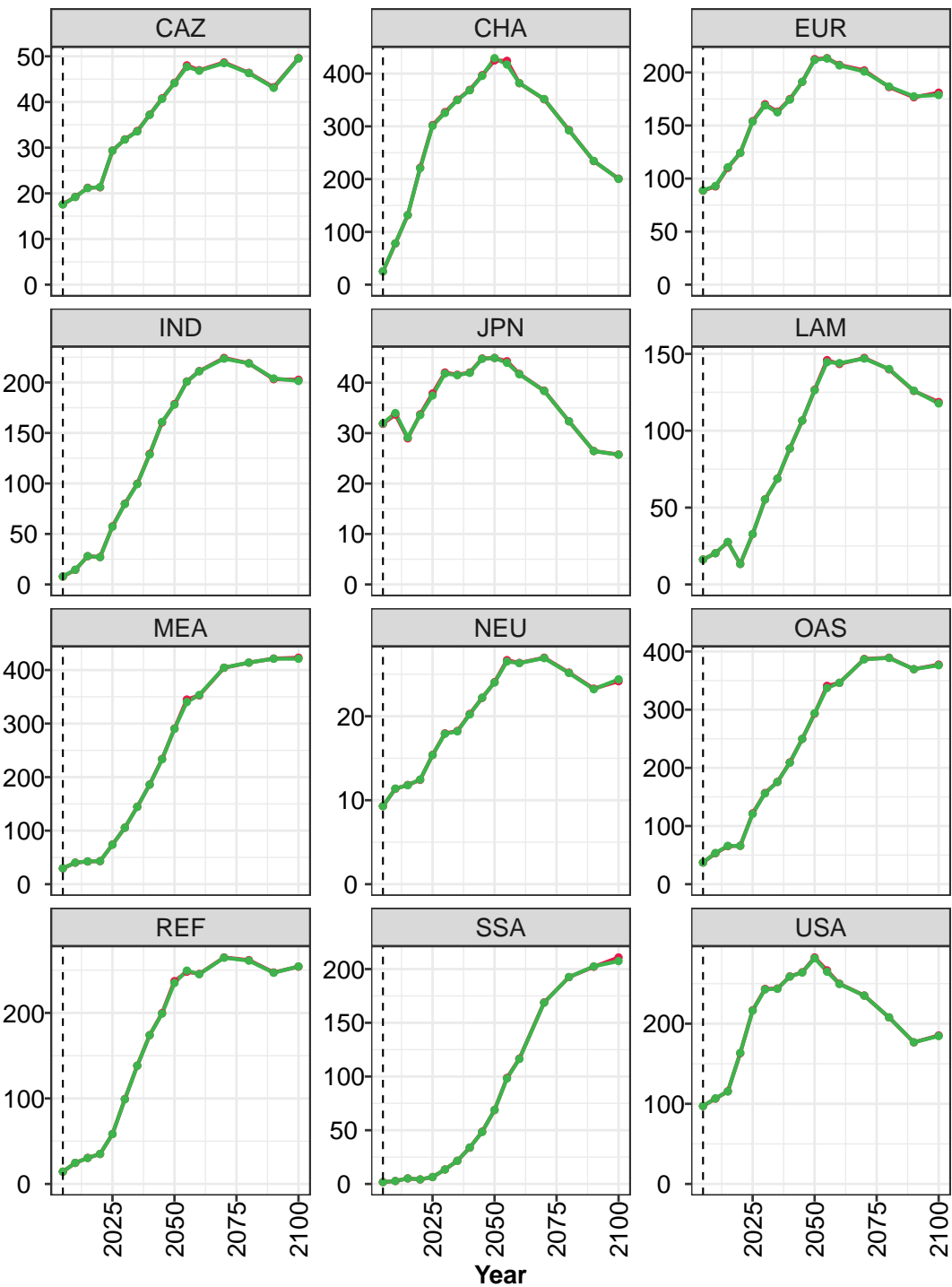
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

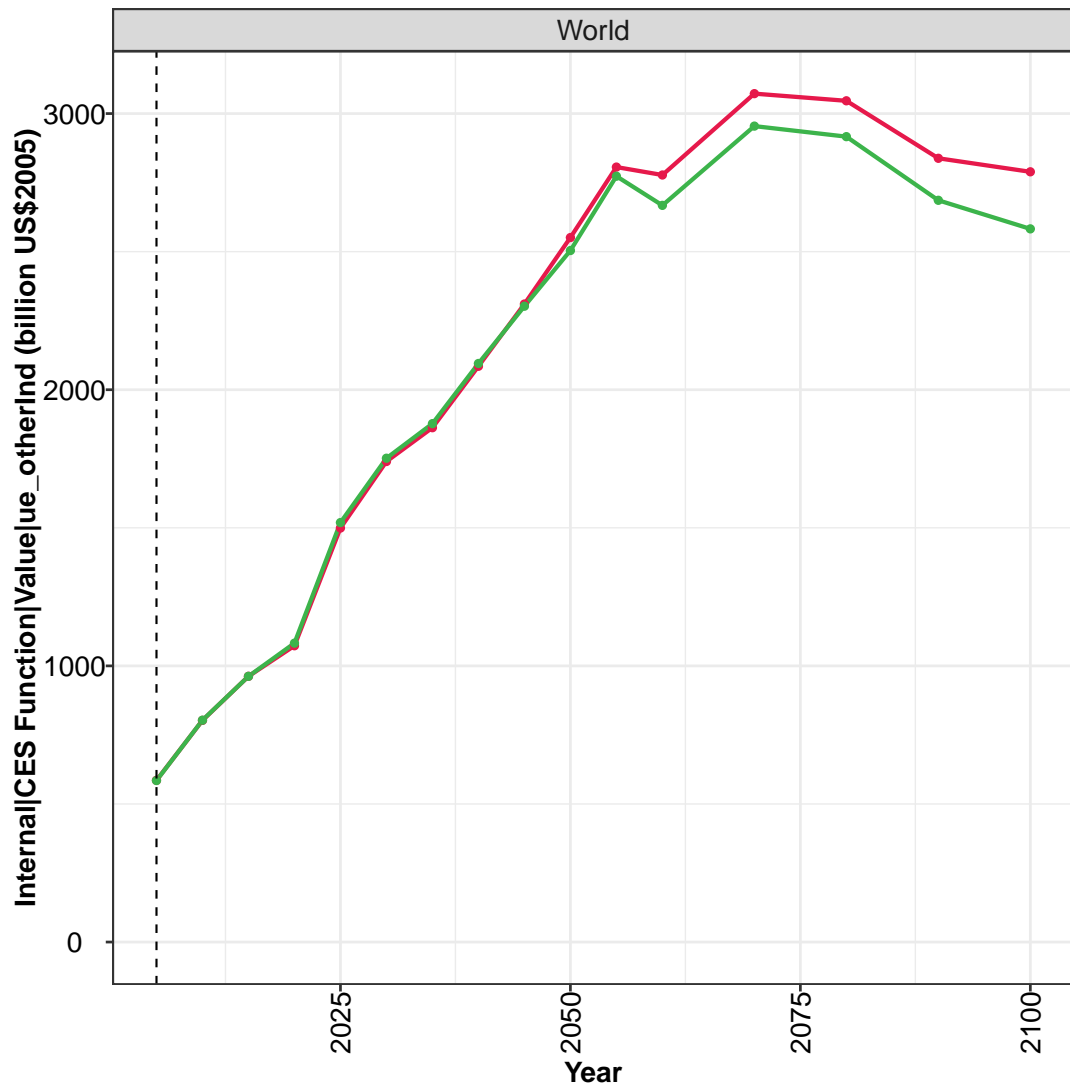




Model: REMIND

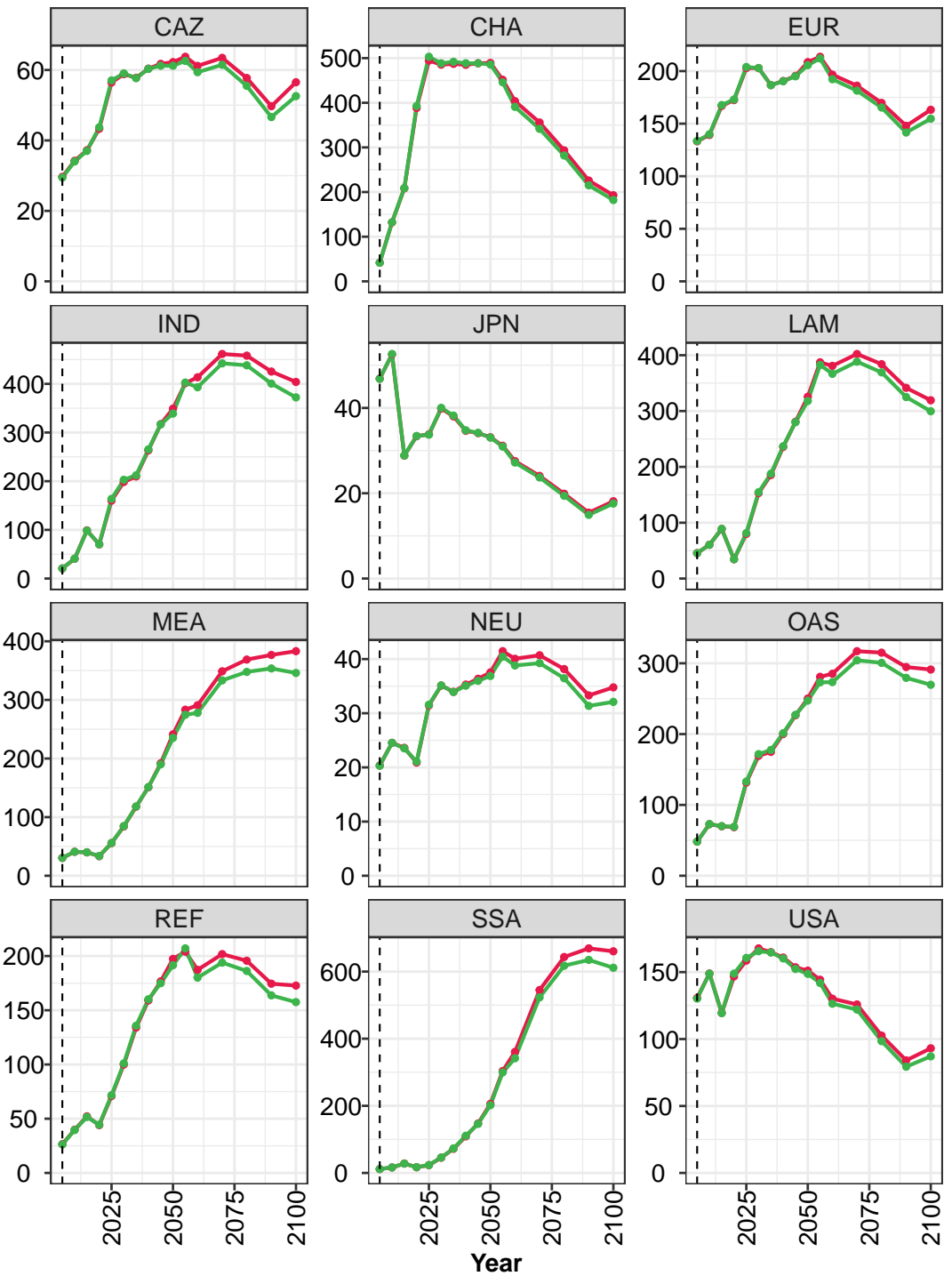
- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



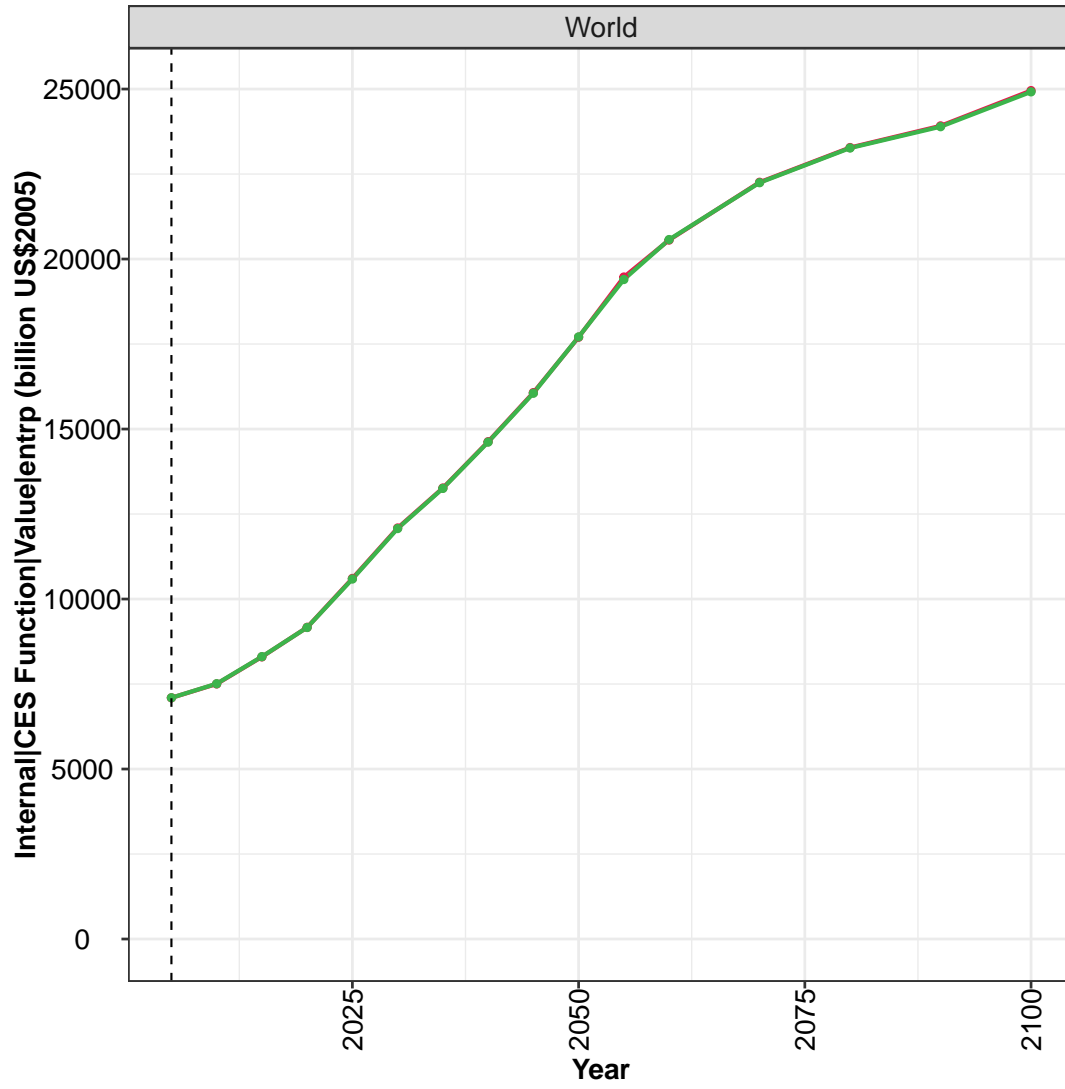


Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix

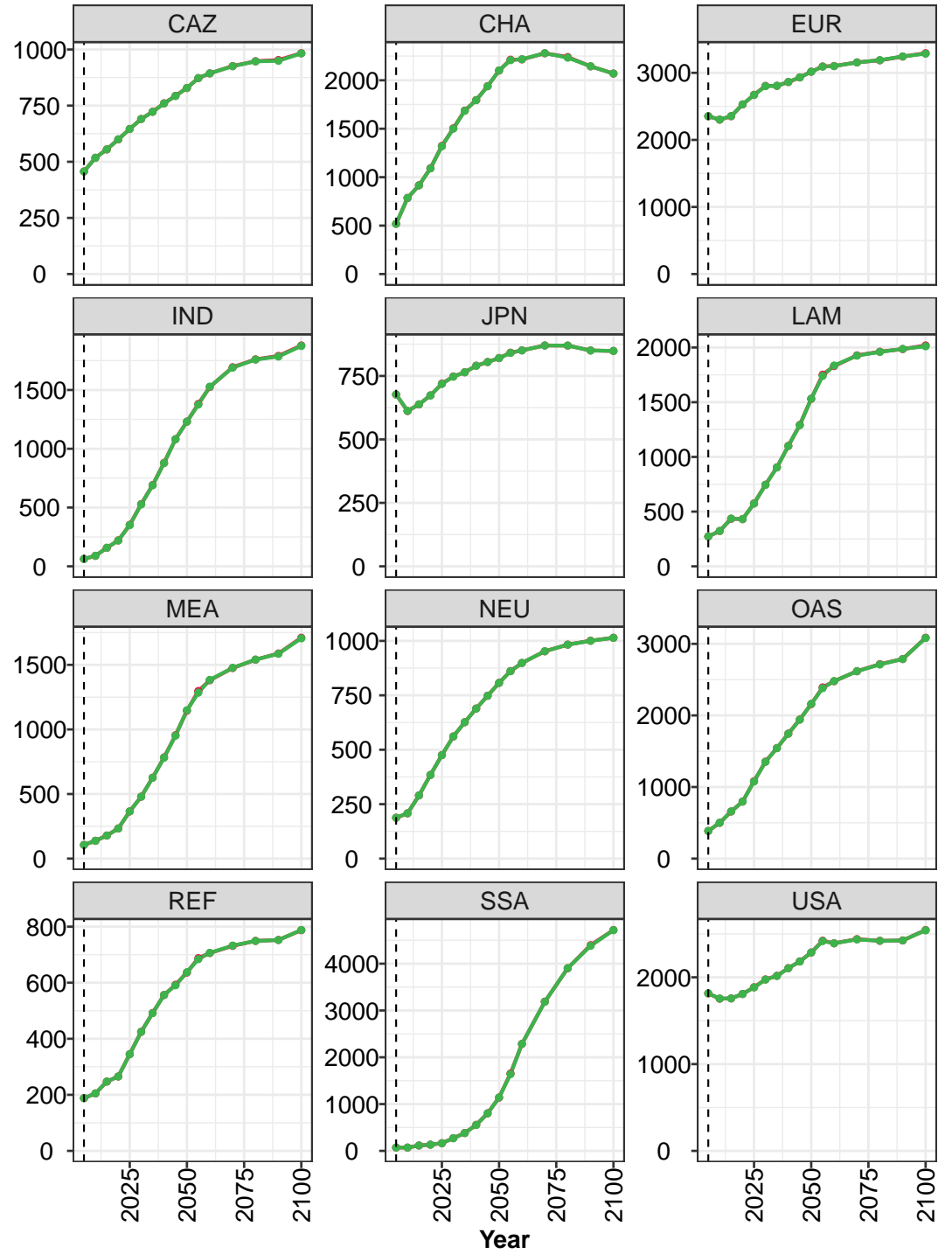


12.3.3 Transport



Model: REMIND

- SSP2EU-NPi-calibrate
- SSP2EU-NPi-calibrate-ETPfix



13 Further Information

13.1 GAMS Config Non-Default

Following GAMS settings are the same in all scenarios but different from the default settings.

```
## Error in `bind_cols()`:  
## ! Can't recycle `Source` (size 2) to match `..2` (size 0).
```

13.2 GAMS Config Differences

Following GAMS settings are different among the scenarios: