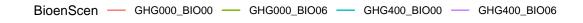
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2000

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2100

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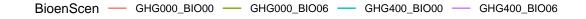
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AREA_CASS_1000 HA ASIA World LAM 4,000 40,000 10,000 8,000 -30,000 3,000 -6,000 -20,000 -2,000 4,000 -10,000 2,000 2050 2100 2050 2100 2000 2100 2000 2050 2000 AFR SAS NAM 700 30,000 400 600 -300 20,000 500 -200 400 -100 10,000 300 -0 2100 2000 2050 2100 2050 2000 2050 2100 2000 OECD SAM CIS 0 3,500 -0 -2 . 3,000 -2,500 -0 -1 2,000 -0 1,500 -1960 1980 2000 2050 2000 2100 1999.9501999.9752000.0002000.0252000. EAS SEA OCE 400 20 9,000 -300 16-200 6,000 -100 3,000 2050 2000 2100 2000 2050 2100 2050 2100 2000 MAF REF 0 30,000 0 -

1000 HA

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1999.9501999.9752000.0002000.0252000.050

0 -

0 -

2100

2050

AREA_CHKP_1000 HA World LAM ASIA 14,000 11,000 400 -10,000 12,000 -300 9,000 8,000 200 10,000 7,000 -100 -6,000 8,000 2050 2050 2100 2050 2100 2100 2000 2000 2000 AFR SAS NAM 11,000 -3,000 -10,000 -600 2,000 9,000 400 8,000 1,000 -7,000 -200 6,000 -0 2000 2050 2100 2050 2100 2050 2100 2000 2000 CIS OECD SAM 60 -60 3,000 1000 HA 40 -40 2,000 20 -20 1,000 -0 -2010 2050 2100 1960 1980 2000 2000 2005 2000 **EUR** EAS SEA 600 3 600 2 -400 400 2 200 200 2010 2050 2000 2050 2100 1995 2000 2005 2100 2000 OCE MAF REF 60 600 4,000 -400 3,000 -40 2,000 -200 20 1,000 -2010 2010 2040 2070 2100 2050 2000 2005 1980 2000 2100

BioenScen — GHG000_BIO00 — GHG000_BIO06 — GHG400_BIO00 — GHG400_BIO06

AREA CORN 1000 HA World LAM **ASIA** 35,000 180,000 30,000 -60,000 25,000 -150,000 -40,000 20,000 -120,000 -15,000 20,000 90,000 -2050 2050 2050 2100 2100 2000 2100 2000 2000 AFR SAS NAM 50,000 20,000 -50,000 40,000 45,000 15,000 -30,000 -40,000 10,000 -20,000 35,000 5,000 30,000 10,000 2050 2100 2050 2100 2050 2100 2000 2000 2000 OECD SAM CIS 55,000 8,000 50,000 25,000 -1000 HA 45,000 6,000 20,000 -40,000 4,000 35,000 15,000 -2,000 30,000 10,000 2050 2100 2000 2050 2100 2040 2070 2100 2000 2010 **EUR** EAS SEA 20,000 40,000 -10,000 15,000 30,000 -7,500 10,000 20,000 -5,000 10,000 2,500 5,000 2000 2050 2100 2000 2050 2100 2000 2050 2100 OCE MAF REF 50,000 8,000 300 40,000 -6,000 200 30,000 -4,000 20.000 2,000 100 2100 2010 2040 2070 2000 2050 2000 2050 2100 2100

AREA_COTT_1000 HA World LAM **ASIA** 6,000 -70,000 30,000 -60,000 5.000 4,000 50,000 20,000 -40,000 -3,000 -10,000 30,000 2,000 -2050 2100 2050 2100 2050 2100 2000 2000 2000 AFR SAS NAM 20,000 6,000 20,000 -15,000 4,000 10,000 -10,000 -2,000 5,000 2000 2050 2100 2000 2050 2100 2000 2050 2100 **OECD** SAM CIS 8,000 5,000 -8,000 4,000 6,000 -6,000 3,000 4,000 -2,000 -4,000 2,000 2050 2100 2050 2100 2040 2070 2100 2000 2000 2010 **EUR** EAS SEA 800 750 600 7,500 -500 400 5,000 200 250 2,500 2000 2050 2100 2000 2050 2100 2000 2050 2100 OCE MAF REF 8,000

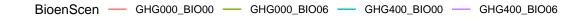
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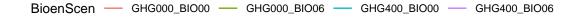
10,000 -

5,000 -

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AREA_GNUT_1000 HA World LAM **ASIA** 21,000 1,600 -40,000 18,000 -35,000 1,200 -30,000 25,000 15,000 -800 12,000 -20,000 400 -15,000 9,000 -2100 2050 2100 2050 2100 2050 2000 2000 2000 AFR SAS NAM 25,000 1,000 12,000 -20,000 750 10,000 -15,000 500 10,000 8,000 -250 5,000 6,000 2050 2100 2050 2100 2000 2050 2100 2000 2000 **OECD** SAM CIS 1,100 25 20 1000 HA 900 1,000 -15 700 10 500 500 -5 300 -2050 2050 2100 2100 2040 2070 2100 2000 2000 2010 **EUR** EAS SEA 3,000 100 6,000 -2,500 -75 4,000 -2,000 -50 2,000 -1,500 -25 · 1,000 2100 2100 2050 2000 2050 2100 2000 2050 2000 OCE MAF REF 25 25,000 -40 20 20,000 -30 15 15,000 -20 10 10,000 -10 5 5,000 -2100 2050 2010 2040 2070 2000 2100 2000 2050 2100



AREA_MILL_1000 HA LAM World **ASIA** 70,000 250 25,000 60,000 200 50,000 -20,000 150 40,000 -100 -15,000 -30,000 -50 -10,000 20,000 0 2050 2100 2050 2100 2050 2100 2000 2000 2000 AFR SAS NAM 50,000 250 20,000 -40,000 200 30,000 15,000 150 20,000 10,000 -100 10,000 50 0 2000 2050 2100 2000 2050 2100 2050 2100 2000 **OECD** SAM CIS 2,000 250 -1000 HA 300 -200 -1,500 150 1,000 200 100 -500 50 -100 0 -2100 2050 2100 2050 2040 2070 2100 2000 2000 2010 **EUR** EAS SEA 8,000 -60 300 -6,000 -40 250 4,000 -200 20 2,000 -150 0 2100 2050 2100 2050 2100 2000 2050 2000 2000 OCE MAF REF 2,000 50,000 -50 40,000 -1,500 40 30,000 -1,000 30 20,000 -500 10,000 20 0 2050 2050 2010 2040 2070 2100 2000 2100 2000 2100

BioenScen — GHG000_BIO00 — GHG000_BIO06 — GHG400_BIO00 — GHG400_BIO06

AREA_OPAL_1000 HA World LAM ASIA 1,000 -12,500 20,000 -10,000 -750 -15,000 7,500 -500 -10,000 -5,000 -250 -2,500 -5,000 2000 2050 2100 2050 2100 2000 2050 2100 2000 AFR NAM SAM 8,000 -300 -600 -200 -400 6,000 100 -200 4,000 1000 HA 2050 2100 2100 2100 2000 2000 2050 2000 2050 OCE EAS SEA 12,500 -150 · 400 10,000 -300 7,500 -100 -5,000 -200 50 -2,500 -100 -2100 2100 2040 2070 2050 2100 2000 2050 1980 2010 2000 MAF 8,000 -6,000 4,000 2050 2100 2000

AREA_POTA_1000 HA ASIA World LAM 20,000 1,600 -7,500 1,400 -15,000 5,000 -1,200 -10,000 1,000 -2,500 2050 2100 2050 2100 2050 2100 2000 2000 2000 AFR SAS NAM 2,000 3,000 1,500 2,000 2,000 1,000 1,000 1,000 -500 2000 2050 2100 2050 2100 2000 2050 2100 2000 **OECD** SAM CIS 1,500 -6,000 6,000 5,000 5,000 1,250 -4,000 4,000 -1,000 -3,000 3,000 2,000 750 -2,000 2050 2100 2050 2100 2010 2040 2070 2100 2000 2000 **EUR** EAS **SEA** 600 6,000 -5,000 -500 4,000 4,000 -400 3,000 300 2,000 2,000 200 100 1,000 0 -2050 2050 2100 2000 2100 2050 2100 2000 2000 OCE MAF REF

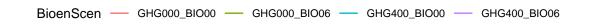
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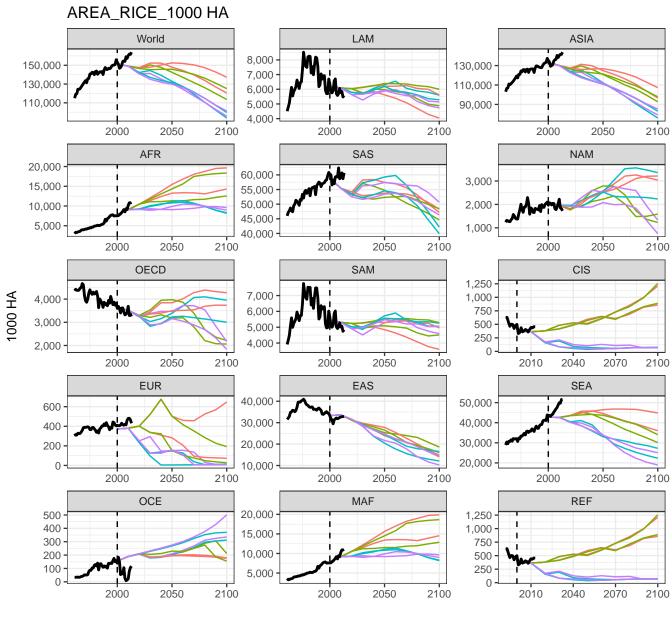
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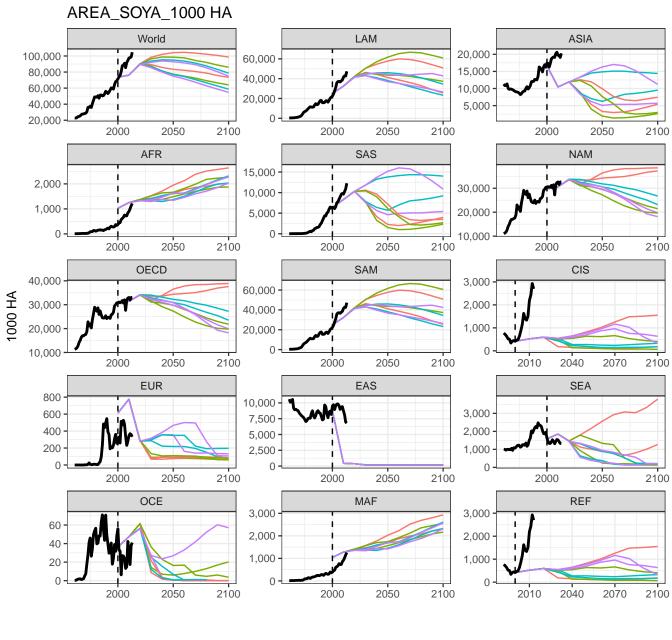
2070

2100

AREA_RAPE_1000 HA World LAM ASIA 15,000 30,000 12,500 -200 -10,000 -20,000 100 -7,500 10,000 5,000 -2050 2050 2100 2100 2000 2100 2000 2000 2050 AFR SAS NAM 300 8,000 -7,500 -7,000 200 5,000 -6,000 -100 5,000 -2,500 -4,000 0 2010 2040 2070 2100 2050 2100 2050 2100 2000 2000 OECD SAM CIS 15,000 H 10,000 · 5,000 · 15,000 -200 -10,000 -100 -5,000 -0 2050 2100 2050 2100 2040 2070 2100 2000 2000 2010 **EUR** EAS SEA 10 -6,000 6,000 -8 -4,000 4,000 6 -2,000 2,000 -0 2100 2012 2000 2050 2100 2000 2050 2006 2008 2010 OCE MAF REF 3,000 300 -15,000 -200 -2,000 10,000 -100 -1,000 5,000 -2100 2050 2100 2000 2050 2100 2010 2040 2070 2000



BioenScen — GHG000_BIO00 — GHG000_BIO06 — GHG400_BIO00 — GHG400_BIO06



BioenScen — GHG000_BI000 — GHG000_BI006 — GHG400_BI000 — GHG400_BI006

AREA_SRGH_1000 HA World LAM ASIA 70,000 25,000 4,000 60,000 20,000 50,000 3,000 -15,000 -40,000 2,000 -10,000 -30,000 1,000 5,000 2050 2100 2050 2100 2100 2000 2000 2050 2000 AFR SAS NAM 40,000 10,000 -16,000 30,000 7,500 12,000 -20,000 5,000 -10,000 8,000 -0 2000 2050 2100 2000 2050 2100 2000 2050 2100 OECD SAM CIS 3,000 -10,000 1000 HA 200 -8,000 150 2,000 6,000 100 1,000 -4,000 50 2,000 2100 2050 2100 2050 2040 2070 2100 2000 2000 2010 **EUR** EAS SEA 400 6,000 -300 300 4,000 -200 200 2,000 -100 100 0 0 2050 2100 2050 2100 2050 2100 2000 2000 2000 OCE MAF REF 40,000 -200 -750 30,000 -150 500 20,000 -100 10,000 -250 50 0 . 2050 2100 2040 2070 2100 2000 2000 2050 2100 2010

AREA_SUGC_1000 HA World LAM ASIA 30,000 12,500 -25,000 10,000 -10,000 -20,000 7,500 -7,500 15,000 5,000 -5,000 10,000 2,500 -2050 2100 2050 2100 2050 2100 2000 2000 2000 AFR SAS NAM 6,000 4,000 -8,000 -3,000 -4,000 6,000 -2,000 -2,000 -4,000 1,000 0 2000 2050 2100 2000 2050 2100 2000 2050 2100 OECD SAM **EUR** 1,600 20 10,000 -1000 HA 1,200 15 8,000 -10 6,000 -800 4,000 -5 2,000 -2100 2050 2100 2050 2100 2000 2050 2000 2000 EAS SEA OCE 4,000 -1,000 1,500 3,000 -750 · 1,000 2,000 -500 -500 1,000 -250 0 2100 2050 2100 2000 2050 2100 2000 2050 2000 MAF 6,000 -4,000 2,000

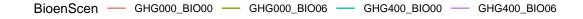
2100

2000

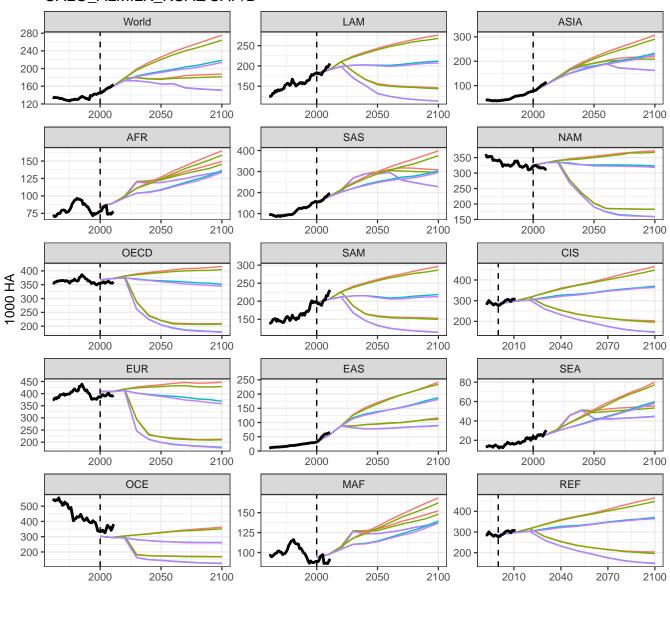
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AREA_SWPO_1000 HA World LAM ASIA 12,500 12,000 250 **-**10,000 10,000 200 -7,500 8,000 150 **-**5,000 -6,000 100 2,500 2050 2100 2050 2100 2050 2100 2000 2000 2000 AFR SAS NAM 250 400 6,000 200 300 -4,000 150 -200 -100 -2,000 -50 0 100 2100 2100 2000 2050 2050 2050 2100 2000 2000 OECD SAM **EUR** 400 -200 -15 · 1000 HA 300 10 150 -200 5 -100 -100 50 -0 -2100 2100 2000 2050 2000 2050 2100 2000 2050 EAS SEA OCE 2,000 9,000 120 1,500 -6,000 1,000 -100 -3,000 500 -80 2050 2100 2050 2050 2100 2000 2000 2100 2000 MAF 6,000 4,000 2,000 0 2050 2100 2000

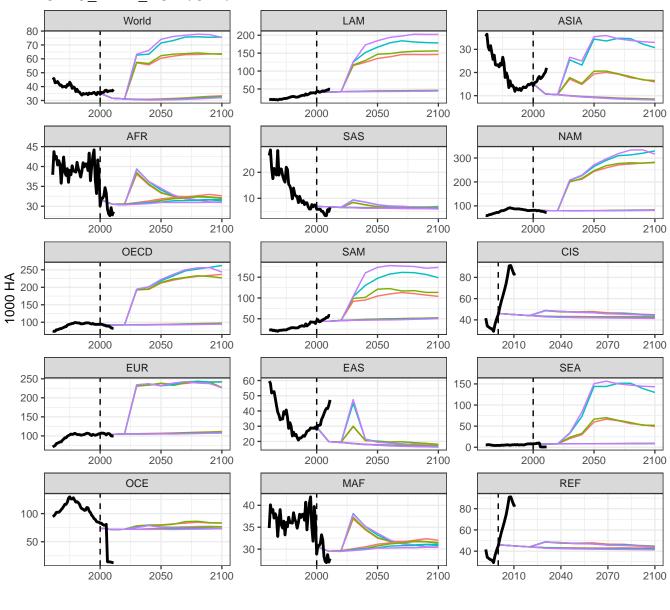
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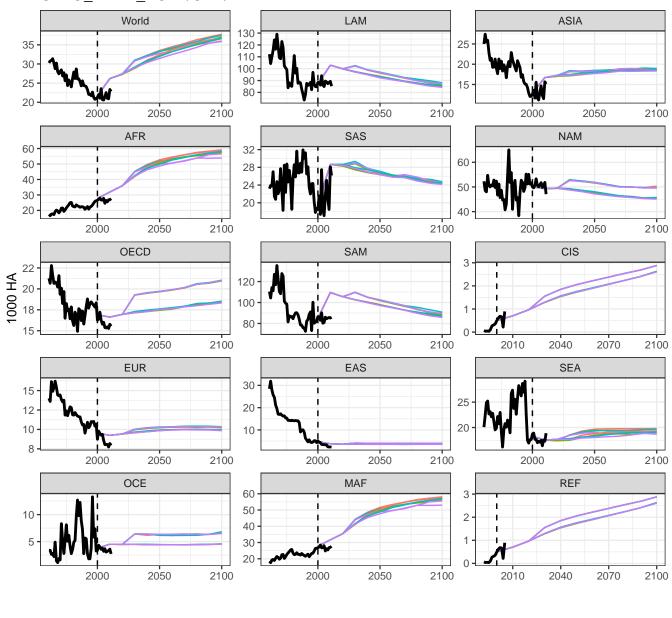
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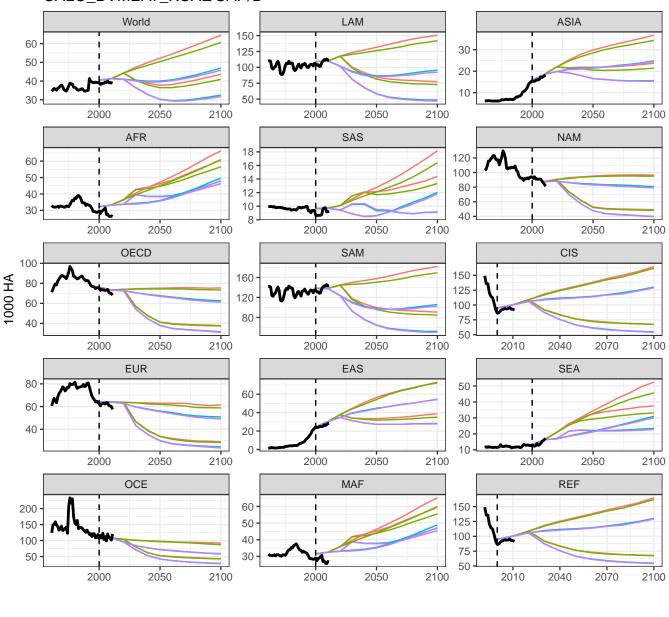
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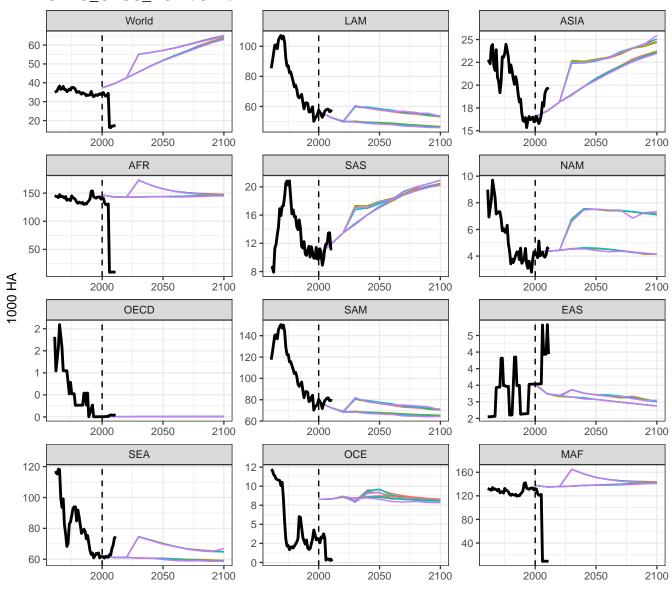
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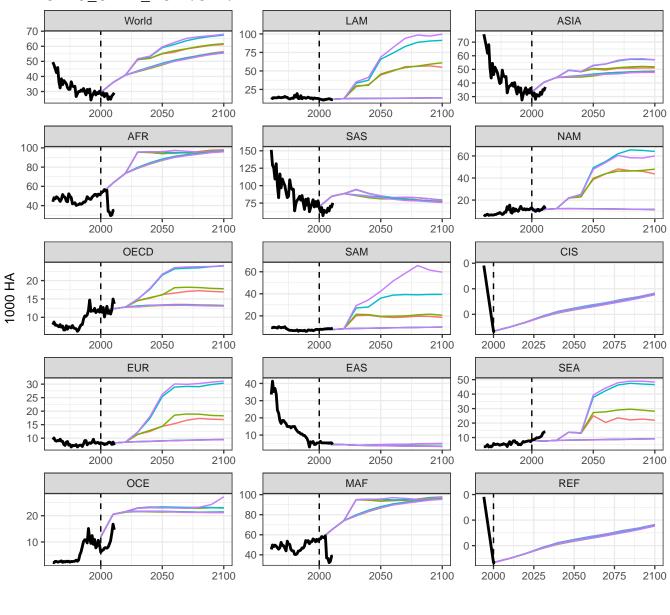
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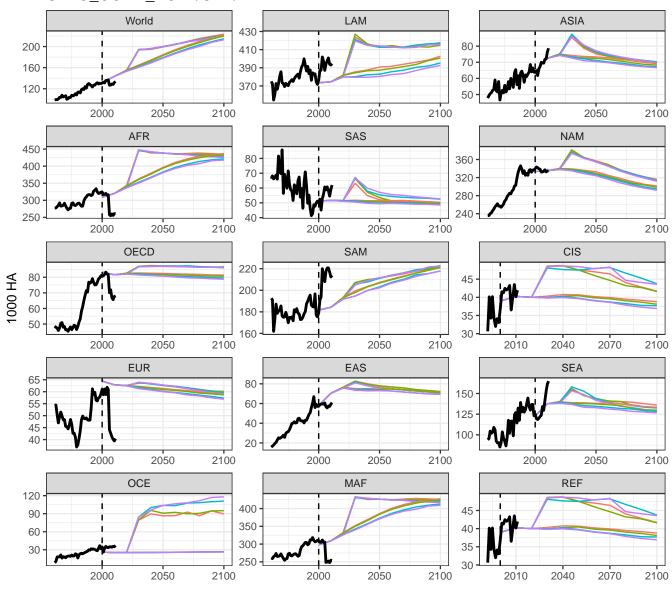
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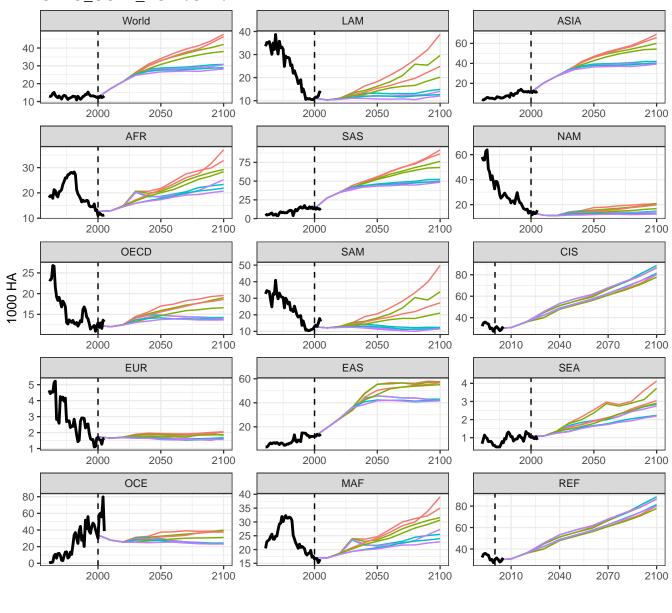
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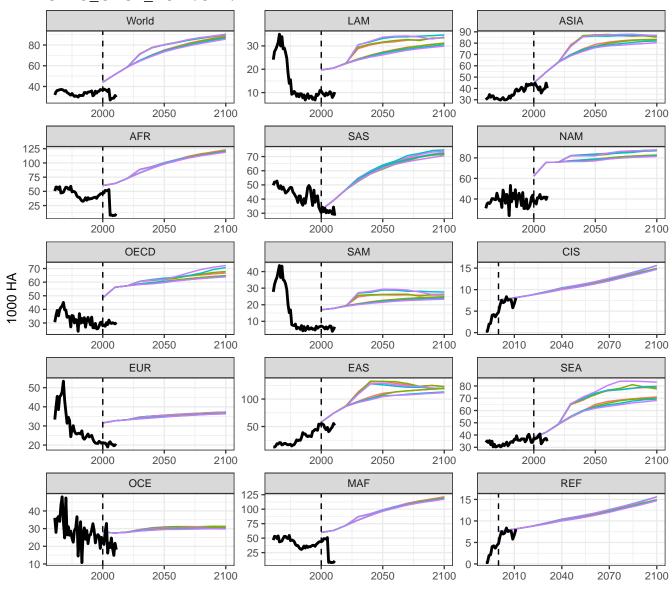
CALO_CORN_KCAL/CAP/D



CALO_COTT_KCAL/CAP/D



CALO_GNUT_KCAL/CAP/D



CALO_MILL_KCAL/CAP/D World ASIA **AFR** 60 · 80 -20 · SAS OECD CIS 25 -125 -0 -0 -50 -EUR EAS SEA **-**10 · 0 -0 -OCE MAF REF 25 -

1000 HA

0 -



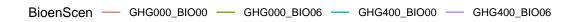
100 -

20 ·

CALO_OPAL_KCAL/CAP/D World ASIA LAM 75 -AFR SAS NAM 120 -100 -OECD SAM CIS 25 · 60 -0 -30 -15 · 2002 2003 2004 2005 **EUR** EAS SEA OCE REF MAF

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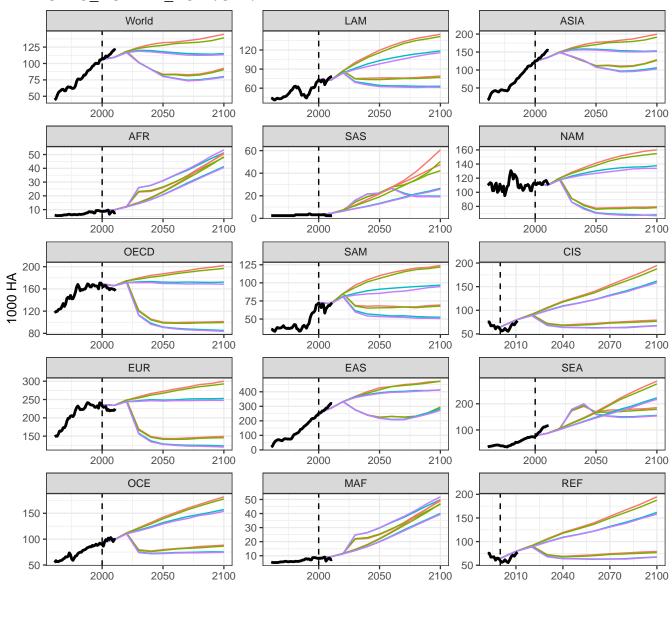
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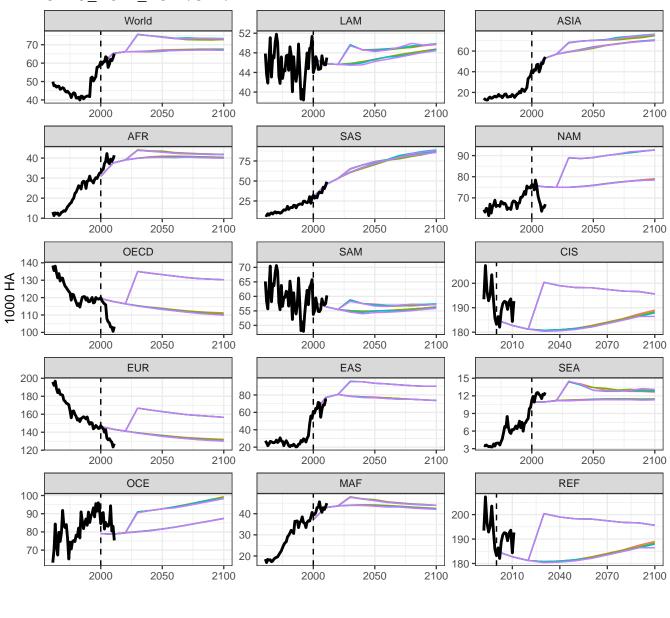
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2002 2003

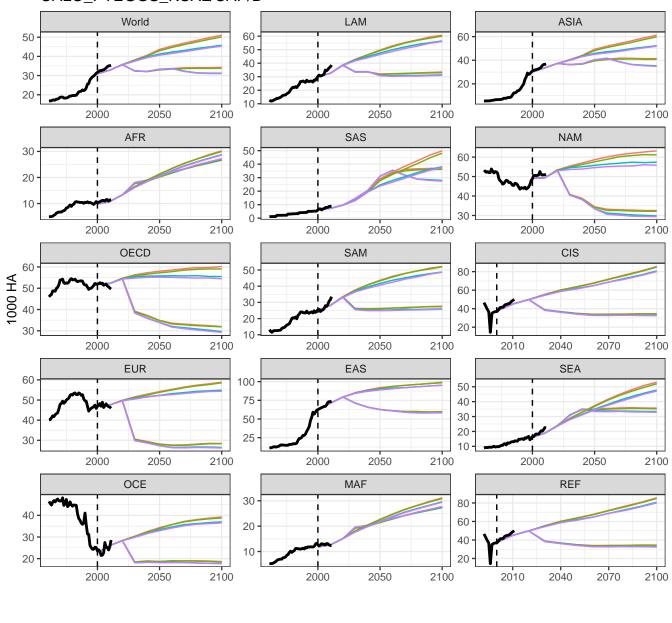
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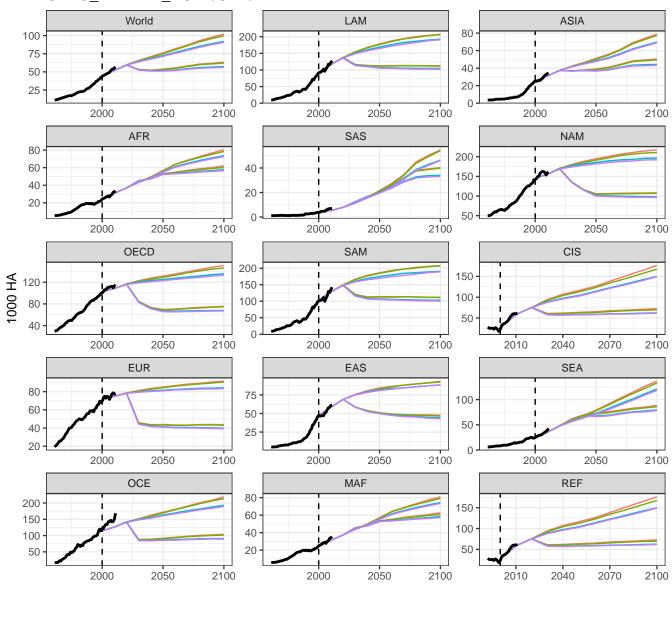
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CALO_PTEGGS_KCAL/CAP/D



CALO_PTMEAT_KCAL/CAP/D



CALO_RAPE_KCAL/CAP/D World LAM ASIA AFR SAS NAM 5. 0 -OECD SAM CIS 1000 HA 100 - 50 -40 -20 · 0 -**EUR** EAS SEA 15 -10 -100 -0 -OCE MAF REF

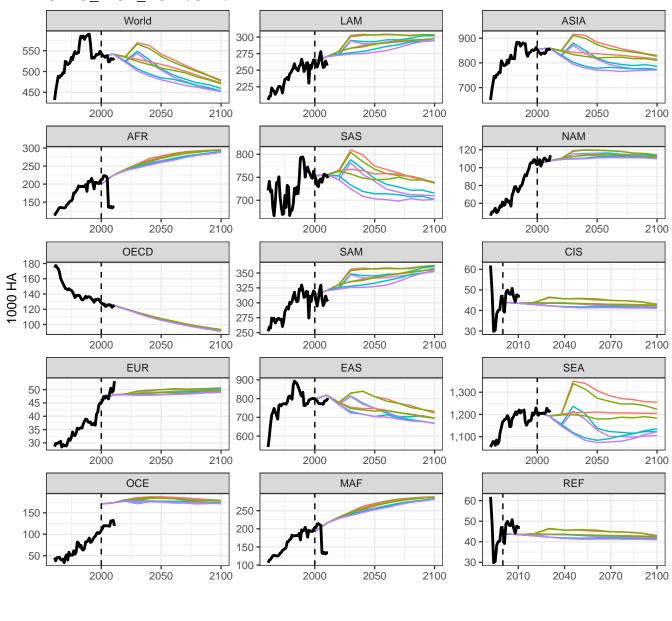


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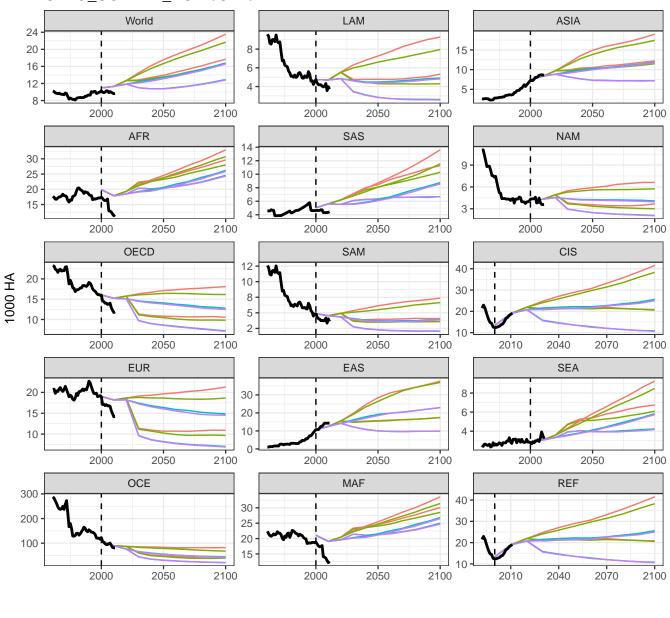
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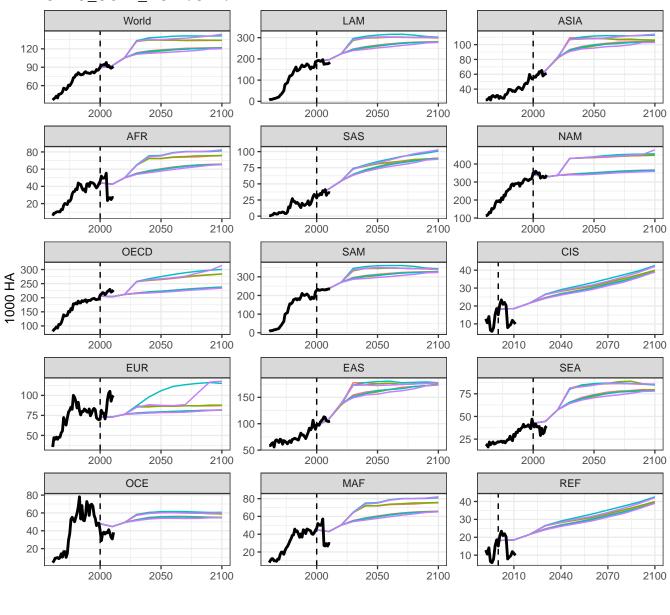
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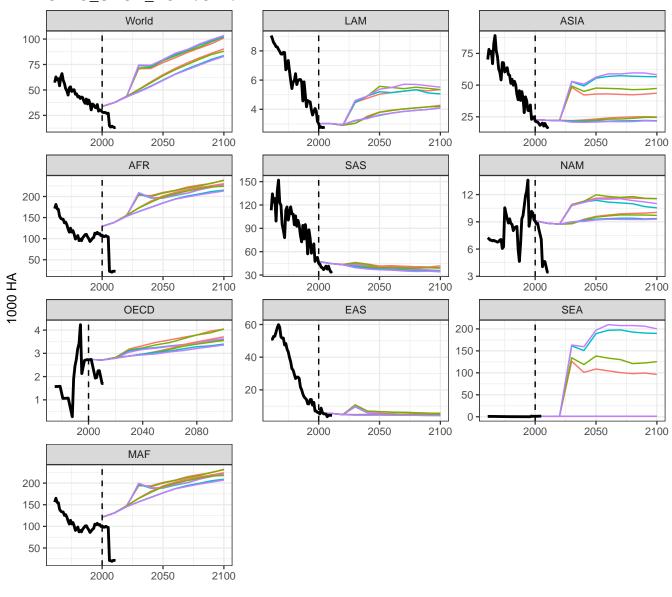
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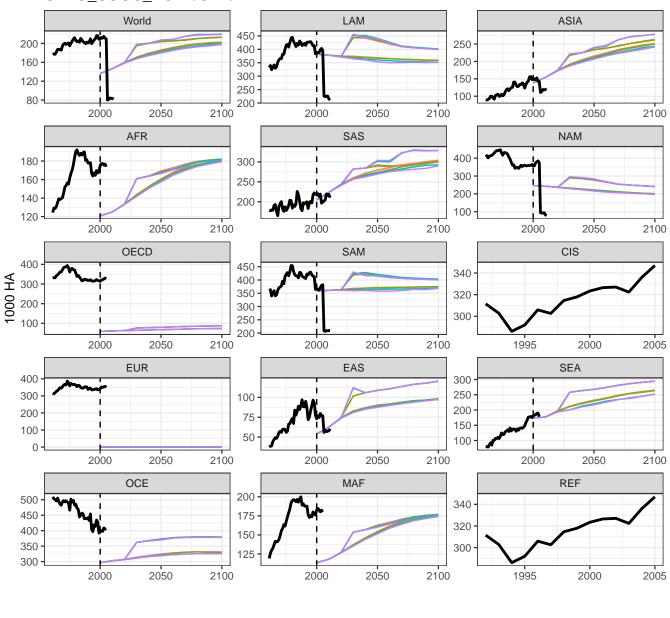
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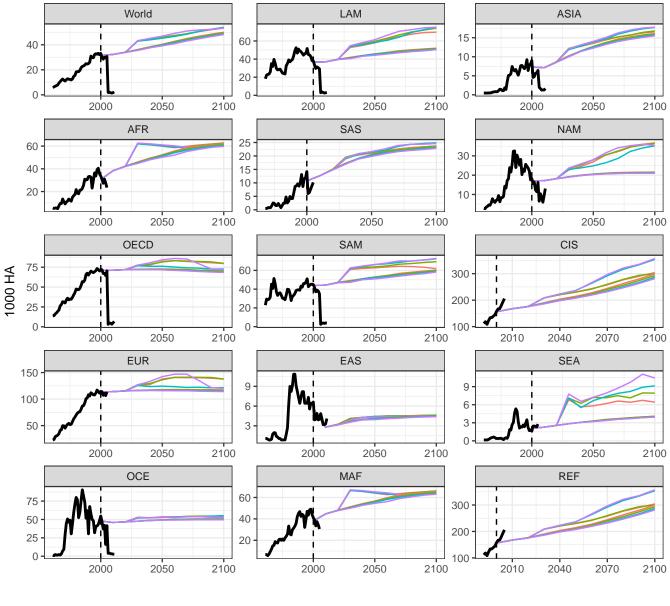
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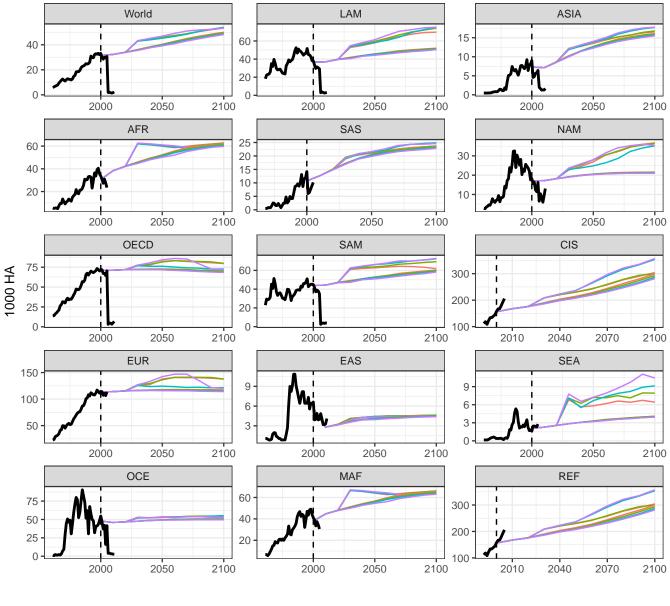
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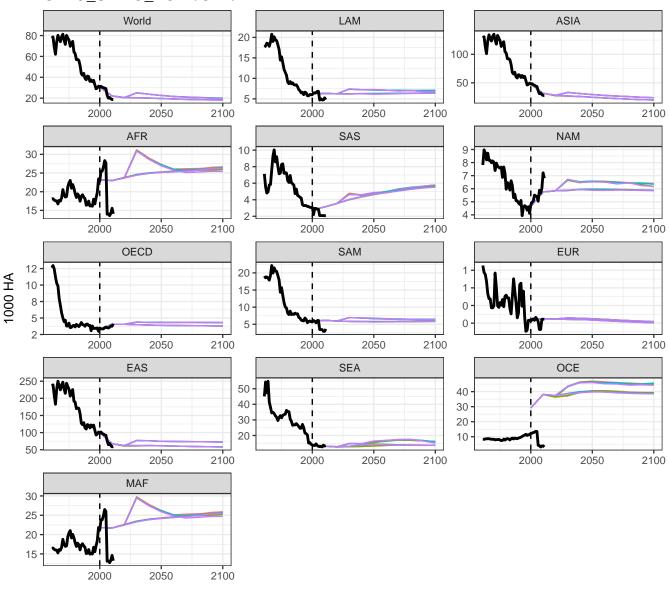
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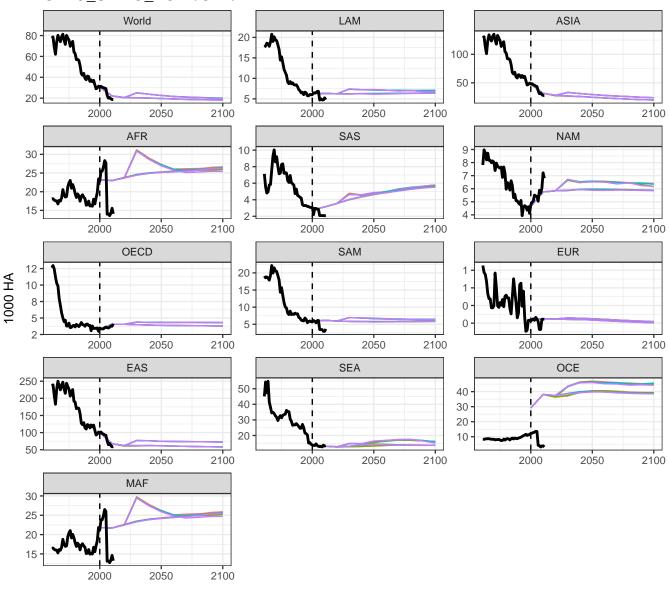
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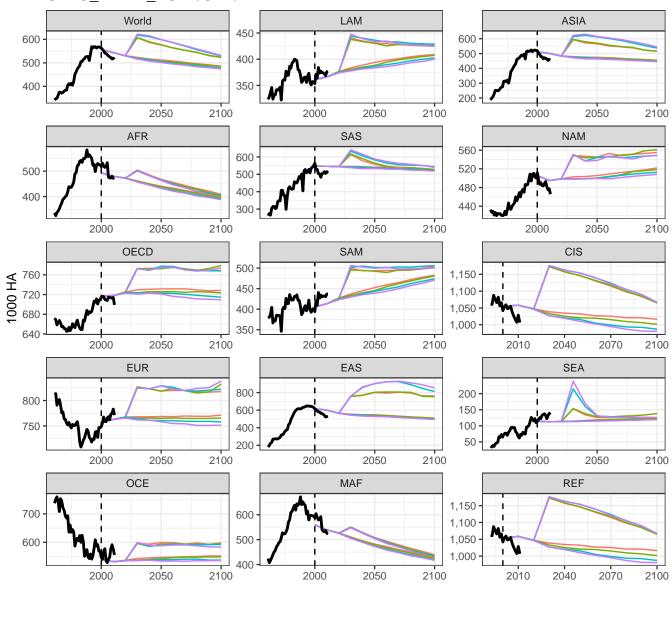
CALO_SWPO_KCAL/CAP/D



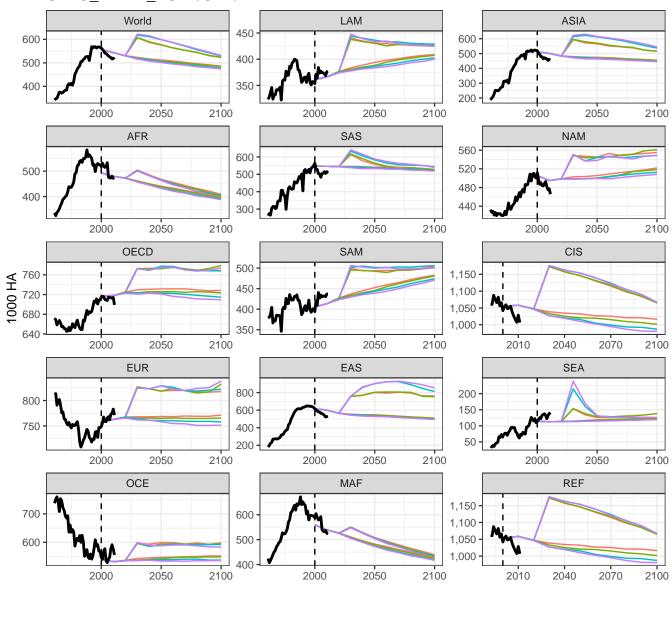
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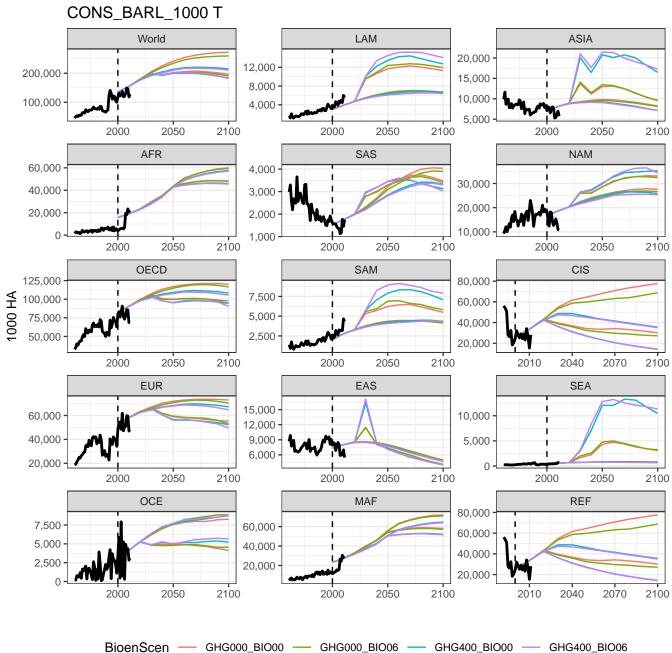
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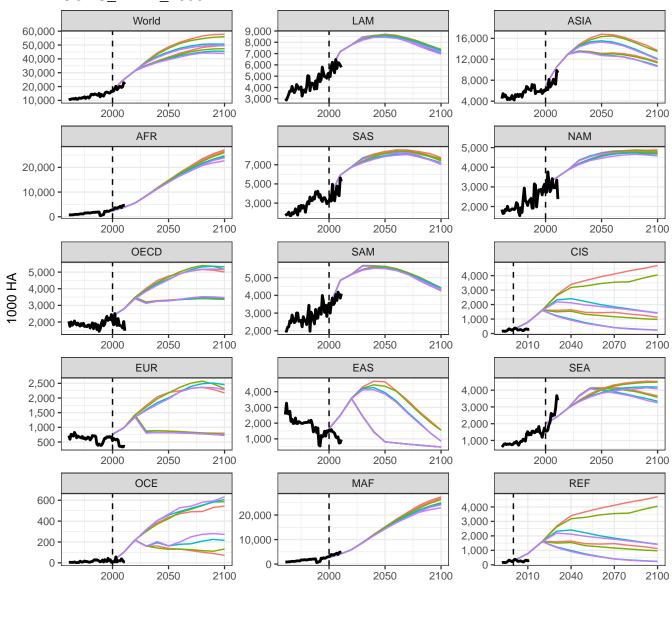
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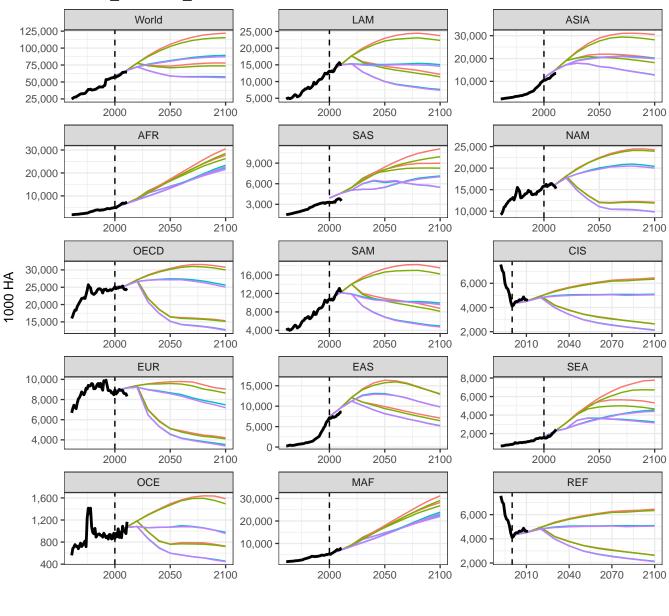
CONS_ALMILK_1000 T World LAM **ASIA** 600,000 100,000 400,000 1,000,000 50,000 200,000 500,000 2000 2050 2100 2050 2050 2100 2000 2100 2000 AFR SAS NAM 250,000 400,000 200,000 150,000 300,000 150,000 200,000 100,000 100,000 50,000 100,000 2000 2050 2100 2000 2050 2100 2000 2050 2100 OECD SAM CIS 80,000 -350,000 1000 HA 75,000 300,000 60,000 50,000 250,000 40,000 200,000 25,000 150,000 2000 2050 2100 2000 2050 2100 2010 2040 2070 2100 **EUR** EAS SEA 30,000 -100,000 150,000 20,000 50,000 10,000 100,000 0 2000 2050 2100 2050 2100 2000 2100 2000 2050 MAF OCE REF 20,000 80,000 -200,000 15,000 60,000 10,000 100,000 40,000 5,000 2050 2100 2000 2050 2010 2070 2000 2100 2040 2100



CONS_BEAD_1000 T

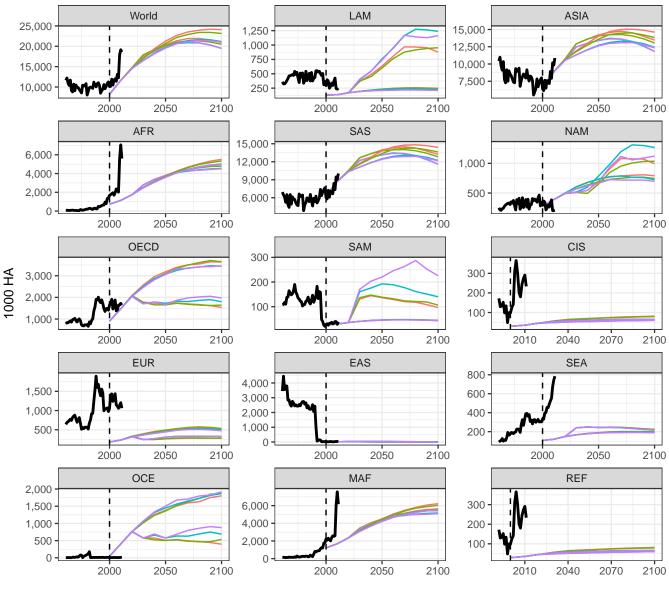


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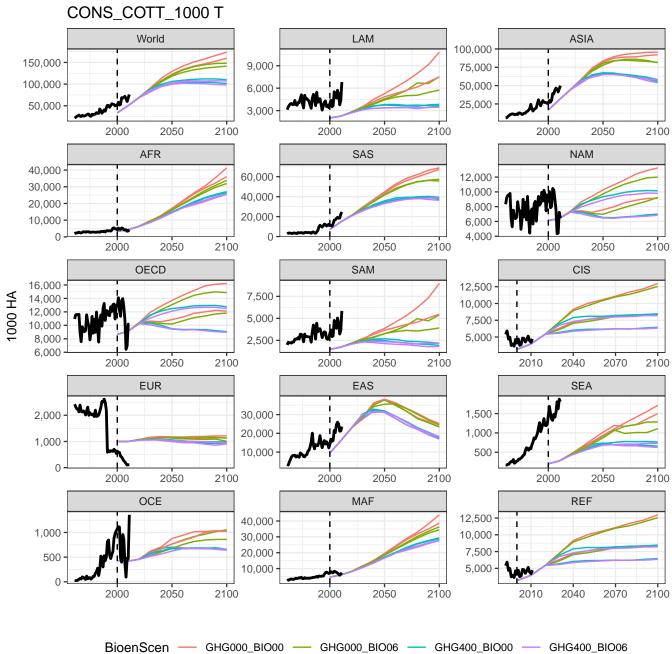


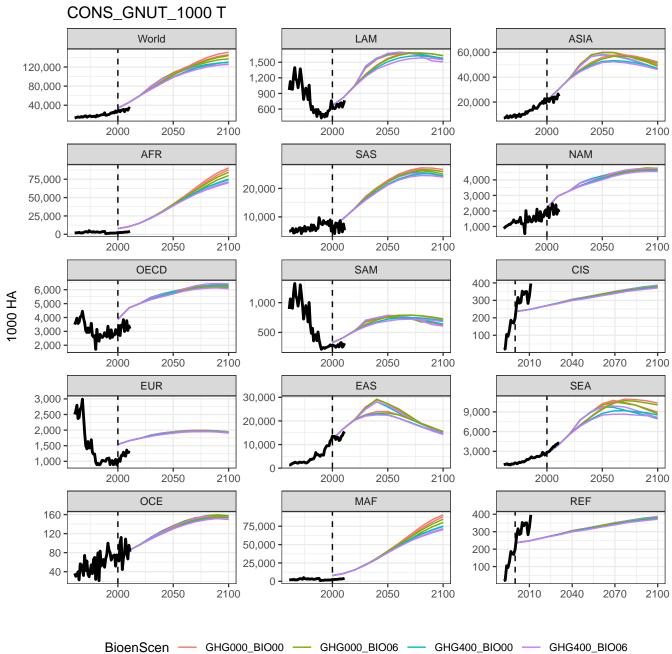
CONS_CASS_1000 T LAM World **ASIA** 80,000 900,000 75,000 60,000 -600,000 50,000 40,000 -300,000 25,000 20,000 -2100 2100 2100 2000 2050 2050 2000 2050 2000 AFR SAS NAM 1,000,000 4,000 20,000 -3,000 750,000 15,000 500,000 2,000 10,000 -250,000 1,000 5,000 0 2000 2050 2100 2050 2100 2000 2050 2100 2000 **OECD** SAM CIS 25,000 150 20,000 1000 HA 60,000 -100 15,000 10,000 40,000 50 5,000 20,000 2000 2050 2100 2050 2100 2040 2070 2100 2000 2010 **EUR** EAS SEA 30,000 20,000 50,000 15,000 40,000 20,000 10,000 30,000 10,000 5,000 20,000 0 10,000 0 2100 2000 2050 2000 2050 2100 2000 2050 2100 OCE MAF **REF** 1,000,000 150 300 750,000 100 200 500,000 -50 250,000 -100 2050 2100 2040 2070 2000 2000 2050 2100 2010 2100

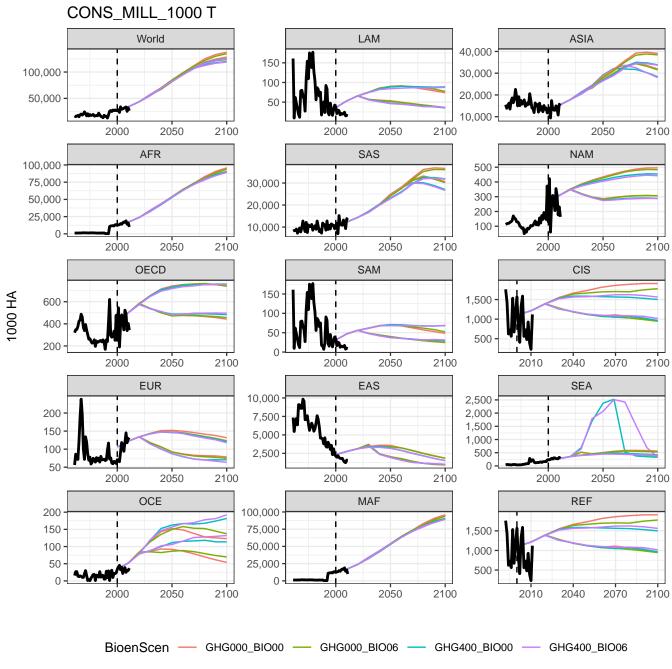
CONS_CHKP_1000 T



CONS_CORN_1000 T ASIA World LAM 1,600,000 200,000 500,000 400,000 1,200,000 150,000 300,000 800,000 100,000 200,000 400,000 50,000 100,000 2050 2100 2050 2100 2000 2000 2100 2000 2050 AFR SAS NAM 200,000 300,000 500,000 150,000 400,000 200,000 300,000 100,000 100,000 200,000 50,000 100,000 0 2000 2050 2100 2000 2050 2100 2050 2100 2000 OECD SAM CIS 25,000 500,000 1000 HA 20,000 100,000 400,000 15,000 300,000 50,000 10,000 200,000 100,000 -5,000 2050 2100 2000 2050 2100 2040 2070 2100 2000 2010 **EUR** EAS SEA 150,000 80,000 300,000 100,000 60,000 200,000 40,000 50,000 100,000 20,000 2050 2000 2050 2100 2000 2100 2000 2050 2100 OCE MAF REF 300,000 25,000 2,000 20,000 200,000 15,000 1,000 -100,000 10,000 5,000 2050 2100 2000 2050 2010 2040 2070 2000 2100 2100







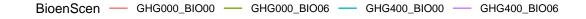
CONS OPAL 1000 T World LAM **ASIA** 20,000 -400,000 200,000 15,000 -300,000 10,000 -200,000 100,000 -5,000 -100,000 0 . 2100 2050 2100 2050 2050 2100 2000 2000 2000 AFR SAS NAM 150,000 -15,000 -80,000 -10,000 100,000 60,000 5.000 40,000 -50,000 -20,000 0 2000 2050 2100 2025 2050 2075 2100 2050 2100 2000 2000 **OECD** CIS SAM 2,000 1000 HA 30,000 -10,000 -1,750 1,500 -25,000 -5,000 -1,250 20,000 2050 2100 2100 2000 2025 2050 2075 2100 2000 2000 2025 2050 2075 EAS **EUR** SEA 50,000 200,000 18,000 40,000 -150,000 17,000 **- 1** 30,000 -100,000 16,000 -20,000 -15,000 -50,000 10,000 -14,000 -2050 2100 2000 2050 2100 2000 2050 2000 2025 2075 2100 OCE MAF REF 2,000 -2,000 150,000 -1,750 -1,500 100,000 -1,000 1,500 -50,000 -500 1,250 2050 2000 2100 2075 2000 2100 2050 2000 2025 2050 2100

BioenScen — GHG000_BIO00 — GHG000_BIO06 — GHG400_BIO00 — GHG400_BIO06

CONS_PGMEAT_1000 T World LAM **ASIA** 160,000 75,000 10,000 -120,000 -50,000 80,000 -5,000 -25,000 40,000 -2100 2050 2100 2050 2100 2000 2050 2000 2000 AFR SAS NAM 20,000 10,000 10,000 15,000 5,000 -5,000 -10,000 0 0 -2050 2000 2050 2100 2000 2100 2000 2050 2100 OECD SAM CIS 50,000 8,000 -8,000 1000 HA 40,000 7,000 6,000 -6,000 30,000 -4,000 -5,000 20,000 -4,000 2.000 3,000 10,000 -2050 2100 2000 2050 2100 2040 2070 2100 2000 2010 **EUR** EAS SEA 15,000 60,000 -20,000 10,000 40,000 -20,000 -5,000 10,000 0 -2050 2050 2100 2000 2050 2100 2000 2100 2000 OCE REF MAF 1,600 8,000 10,000 -7,000 1,200 6,000 800 5,000 -5,000 4,000 400 3,000 2050 2100 2050 2010 2040 2070 2100 2000 2000 2100

CONS_POTA_1000 T World LAM **ASIA** 600,000 -30,000 -200,000 400,000 -20,000 -100,000 200,000 -10,000 2100 2100 2050 2100 2050 2050 2000 2000 2000 AFR SAS NAM 50,000 150,000 -100,000 40,000 100,000 -30,000 50,000 -50,000 -20,000 0 0 . 2000 2050 2100 2050 2100 2000 2050 2100 2000 OECD SAM CIS 150,000 30,000 -Y 125,000 - 100,000 - 75,000 -125,000 20,000 -100,000 75,000 10,000 -50,000 50,000 2050 2100 2050 2070 2100 2000 2000 2100 2010 2040 **EUR** EAS SEA 125,000 -10,000 80,000 -100,000 -7,500 60,000 75,000 -5,000 50,000 -40,000 2,500 25,000 -2050 2100 2000 2050 2100 2000 2050 2100 2000 OCE REF MAF 150,000 150,000 5,000 125,000 4,000 100,000 -100,000 -3,000 -50,000 -2,000 -75,000 1,000 -50,000 2100 2050 2050 2040 2000 2000 2100 2010 2070 2100

CONS_PTEGGS_1000 T LAM World **ASIA** 60,000 10,000 -100,000 -40,000 5,000 -50,000 20,000 2100 2050 2100 2050 2100 2000 2050 2000 2000 AFR SAS NAM 30,000 15,000 30,000 -12,000 20,000 -20,000 -9,000 10,000 -10,000 -6,000 0 -0 -2050 2000 2050 2100 2000 2050 2100 2000 2100 OECD SAM CIS 20,000 -1000 HA 6,000 -5,000 -4,000 -15,000 -4,000 -2,000 -3,000 10,000 2040 2050 2100 2000 2050 2100 2010 2070 2100 2000 **EUR** EAS SEA 40,000 8,000 -9,000 30,000 -6,000 6,000 -20,000 -4,000 3,000 10,000 -2050 2050 2100 2000 2050 2100 2000 2100 2000 OCE MAF REF 30,000 -600 5,000 -500 20,000 -400 4,000 -10,000 -300 3,000 200 2050 2100 2050 2010 2040 2000 2000 2100 2070 2100

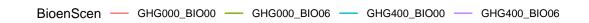


CONS_PTMEAT_1000 T LAM World **ASIA** 250.000 200,000 30,000 -60,000 150,000 20,000 -40,000 100,000 10,000 -20,000 50,000 2100 2050 2100 2050 2100 2000 2050 2000 2000 SAS AFR NAM 40,000 60,000 -30,000 -30,000 40,000 20,000 -20,000 20,000 -10,000 -10,000 0 -0 -2000 2050 2100 2000 2050 2100 2000 2050 2100 OECD SAM CIS 25,000 12,500 50,000 20,000 10,000 40,000 15,000 -7,500 30,000 -10,000 -20,000 -5,000 5,000 10,000 -2,500 0 -2050 2100 2000 2050 2100 2040 2100 2000 2010 2070 **EUR** EAS SEA 20,000 20,000 -10,000 15,000 10,000 10,000 5,000 5,000 0 2050 2100 2000 2050 2100 2000 2100 2000 2050 OCE REF MAF 12,500 3,000 60,000 -10,000

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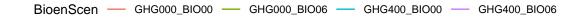
20,000 -

2100

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CONS_RAPE_1000 T World ASIA LAM 6,000 -60,000 -90,000 4,000 -40,000 -60,000 2,000 -20,000 -30,000 2050 2100 2050 2100 2050 2100 2000 2000 2000 AFR SAS NAM 4,000 40,000 -10,000 3,000 30,000 -2,000 20,000 -5,000 -1,000 -10,000 -0 -2000 2040 2080 2000 2050 2100 2000 2050 2100 **OECD** SAM CIS 1,200 -4 30,000 · 20,000 · 10,000 · 4,000 -3,000 -800 -2,000 -400 -1,000 0 2000 2050 2100 2050 2100 2010 2040 2070 2100 2000 **EUR** EAS SEA 40,000 -6,000 20,000 30,000 -4,000 -20,000 -10,000 2,000 -10,000 -2100 2050 2000 2050 2100 2000 2050 2100 2000 OCE MAF REF 4,000 -2,000 4,000 -3,000 -1,500 3,000 -



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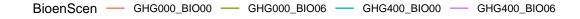
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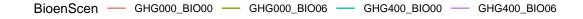
CONS_RICE_1000 T World LAM **ASIA** 40,000 800,000 1,000,000 800,000 30,000 600,000 -600,000 20,000 -400,000 -400,000 -10,000 200,000 200,000 2100 2050 2100 2000 2050 2100 2000 2050 2000 AFR SAS NAM 150,000 400,000 15,000 -100,000 300,000 10,000 200,000 -50,000 5,000 100,000 0 2000 2050 2100 2000 2050 2100 2000 2050 2100 OECD SAM CIS 26,000 3,000 30,000 1000 HA 24,000 25,000 2,500 22,000 20,000 2,000 20,000 15,000 18,000 10,000 1,500 2050 2100 2050 2100 2070 2100 2000 2000 2010 2040 EAS SEA **EUR** 5,000 200,000 -200,000 4,000 150,000 -150,000 3,000 100,000 100,000 50,000 2,000 2000 2050 2100 2000 2050 2100 2000 2050 2100 OCE MAF REF 160,000 3,000 1,500 120,000 2,500 1,000 80,000 2,000 500 40,000 1,500 0 0 . 2050 2000 2050 2000 2100 2100 2010 2040 2070 2100

CONS_SGMEAT_1000 T World LAM ASIA 30,000 1,000 -10,000 -20,000 750 **-**5,000 500 -10,000 2050 2100 2050 2100 2000 2050 2100 2000 2000 AFR SAS NAM 6,000 800 -5,000 -10,000 4,000 -600 3,000 -5,000 2,000 -400 1,000 -2000 2050 2100 2000 2050 2100 2000 2050 2100 **OECD** SAM CIS 600 -3,500 -1,200 -1000 HA 500 -3,000 400 -900 -2,500 300 2,000 600 200 -1,500 2050 2100 2050 2100 2010 2040 2070 2100 2000 2000 **EUR** EAS SEA 6,000 -900 1,500 4,000 -600 1,000 2,000 -300 2050 2100 2050 2100 2000 2050 2100 2000 2000 OCE MAF REF 15,000 -800 -1,200 -10,000 -600 900 400 5,000 -600 200 2100 2050 2100 2000 2050 2010 2040 2070 2000 2100

CONS_SOYA_1000 T World LAM **ASIA** 200,000 80,000 -400,000 -60,000 -150,000 300,000 40,000 -100,000 -200,000 -20,000 -50,000 100,000 -2100 2050 2100 2100 2050 2000 2050 2000 2000 AFR SAS NAM 80,000 30,000 -75,000 60,000 -20,000 -40,000 -50,000 -10,000 -20,000 -25,000 0 -0 -2050 2100 2000 2050 2100 2000 2050 2100 2000 **OECD** SAM CIS 125,000 80,000 -4,000 H 100,000 - 75,000 - 50,000 - 25,000 - 60,000 -3,000 -40,000 -2,000 -20,000 -1,000 25,000 2050 2050 2100 2100 2040 2070 2100 2000 2000 2010 **EUR** EAS **SEA** 60,000 40,000 -90,000 -30,000 -40,000 60,000 -20,000 -20,000 10,000 30,000 -0 -2000 2050 2100 2000 2050 2100 2050 2100 2000 OCE MAF REF 40,000 1,000 4,000 30,000 -750 3,000 -20,000 -500 2,000 -250 10,000 -1,000 2050 2100 2050 2040 2000 2000 2100 2010 2070 2100



CONS_SRGH_1000 T World LAM **ASIA** 250,000 60,000 -25,000 -200,000 -40,000 20,000 -150,000 100,000 -15,000 -20,000 -50,000 -10,000 2100 2050 2100 2100 2050 2000 2050 2000 2000 AFR SAS NAM 150,000 25,000 60,000 -20,000 100,000 -40,000 15,000 50,000 -10,000 20,000 0 2000 2050 2100 2050 2100 2000 2050 2100 2000 **OECD** SAM CIS 12,500 25,000 1000 HA 10,000 200 20,000 7,500 15,000 5,000 100 10,000 2,500 5,000 -2050 2100 2050 2100 2040 2070 2100 2000 2000 2010 **EUR** EAS SEA 2,000 2,000 10,000 1,500 1,000 1,000 5,000 500 2050 2100 2000 2050 2100 2000 2050 2100 2000 OCE MAF REF 150,000 4,000 200 3,000 100,000 2,000 -100 50,000 -1,000



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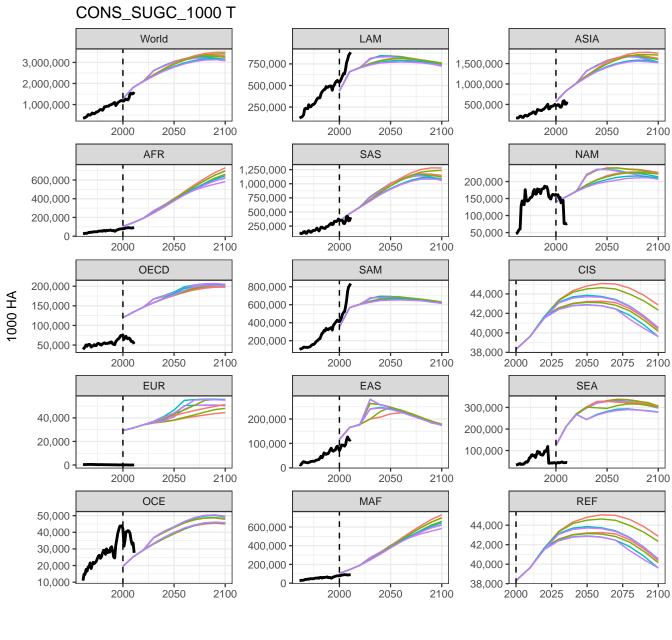
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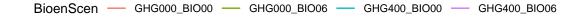
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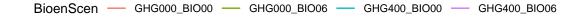
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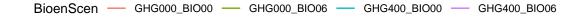
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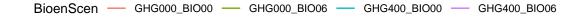
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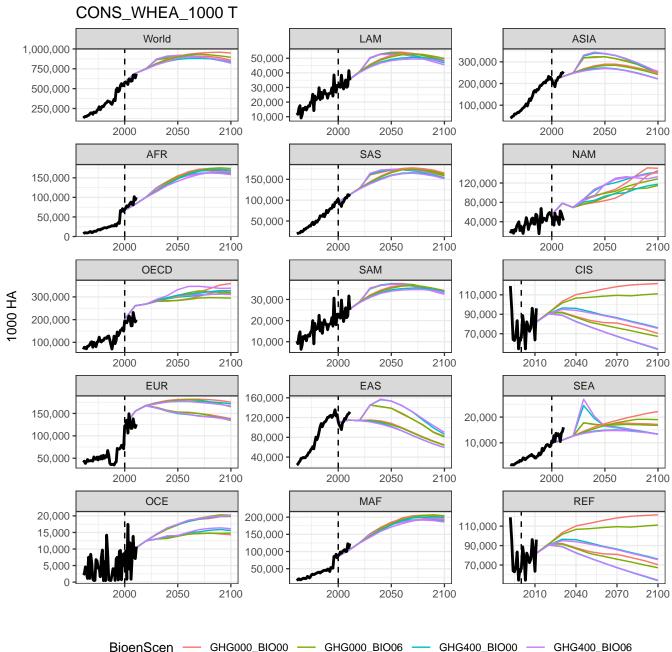


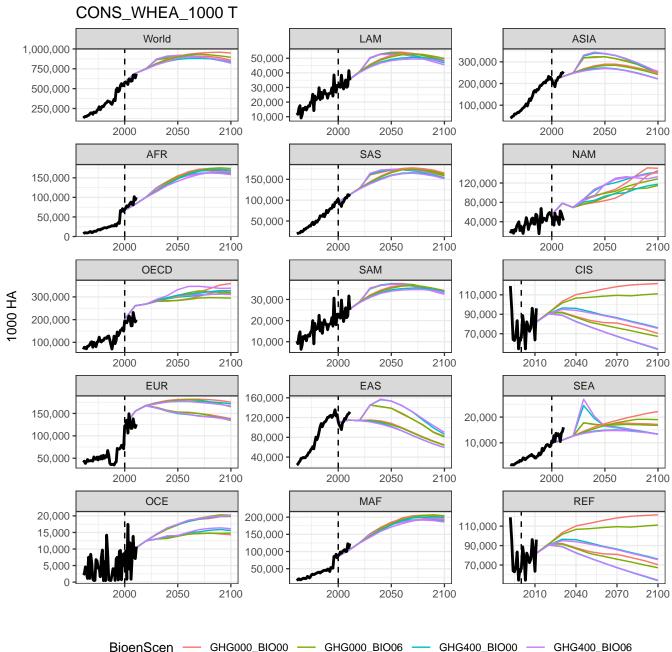
CONS SWPO 1000 T World LAM **ASIA** 250,000 3,000 -250,000 -200,000 2,500 -200,000 -150,000 2,000 -150,000 -100,000 1,500 100,000 1,000 50,000 2050 2050 2100 2050 2100 2100 2000 2000 2000 AFR SAS NAM 50,000 -5,000 -2,500 40,000 4,000 -2,000 30,000 3,000 -1,500 20,000 2,000 -1,000 10,000 1,000 -500 2000 2050 2100 2050 2100 2050 2100 2000 2000 **OECD** SAM CIS 2,500 -1000 HA 6,000 -2 2,000 4,000 -1,500 1 -1,000 -2,000 2050 2100 2050 2100 2000 2050 2100 2000 2000 2025 2075 **EUR** EAS **SEA** 600 500 200,000 -15,000 400 150,000 -12,000 300 100,000 9,000 200 6,000 50,000 100 2050 2050 2000 2100 2000 2050 2100 2000 2100 OCE REF MAF 800 50,000 40,000 -600 30,000 -400 20,000 -1 -10,000 200 2050 2050 2025 2000 2100 2000 2100 2000 2050 2075



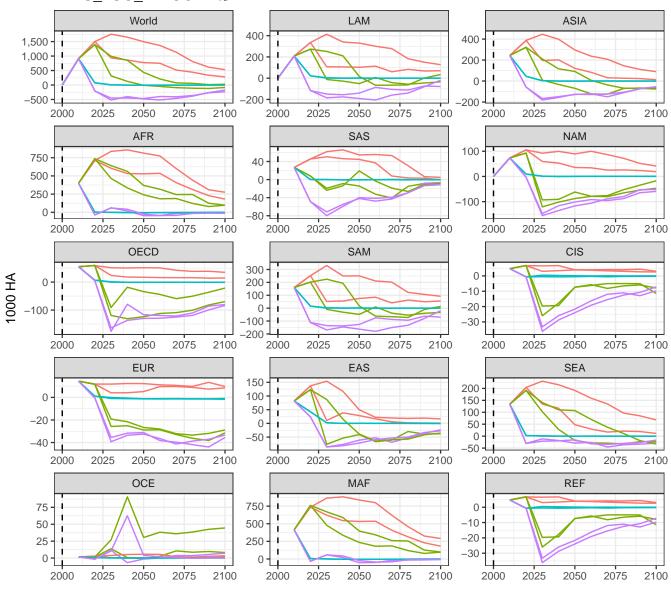
CONS SWPO 1000 T World LAM **ASIA** 250,000 3,000 -250,000 -200,000 2,500 -200,000 -150,000 2,000 -150,000 -100,000 1,500 100,000 1,000 50,000 2050 2050 2100 2050 2100 2100 2000 2000 2000 AFR SAS NAM 50,000 -5,000 -2,500 40,000 4,000 -2,000 30,000 3,000 -1,500 20,000 2,000 -1,000 10,000 1,000 -500 2000 2050 2100 2050 2100 2050 2100 2000 2000 **OECD** SAM CIS 2,500 -1000 HA 6,000 -2 2,000 4,000 -1,500 1 -1,000 -2,000 2050 2100 2050 2100 2000 2050 2100 2000 2000 2025 2075 **EUR** EAS **SEA** 600 500 200,000 -15,000 400 150,000 -12,000 300 100,000 9,000 200 6,000 50,000 100 2050 2050 2000 2100 2000 2050 2100 2000 2100 OCE REF MAF 800 50,000 40,000 -600 30,000 -400 20,000 -1 -10,000 200 2050 2050 2025 2000 2100 2000 2100 2000 2050 2075



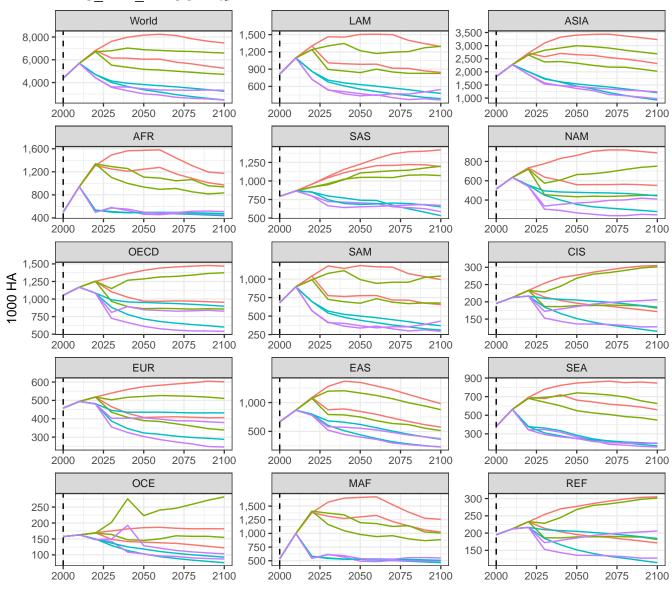




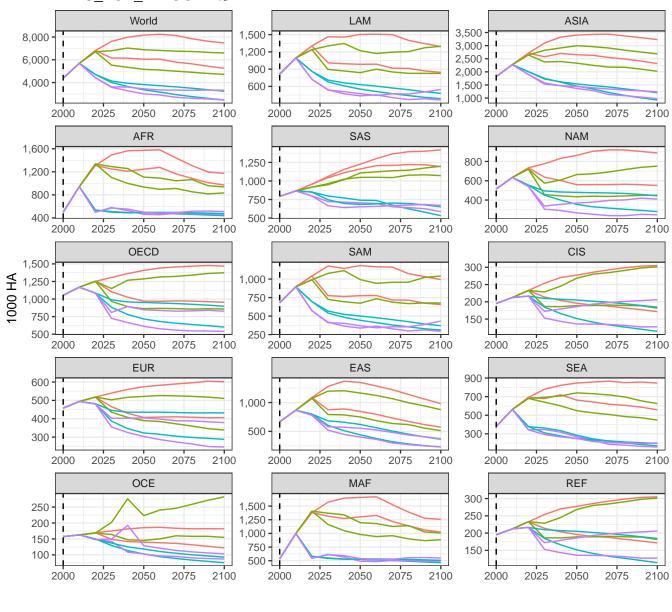
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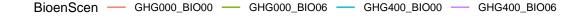
EMIS_NET_MT CO2EQ/YR



EMIS_TOT_MT CO2EQ/YR



FEED BARL 1000 T World LAM **ASIA** 4,000 3,000 -200,000 -3,000 2,000 -150,000 -2,000 100,000 -1,000 -1,000 50,000 -2050 2100 2050 2100 2050 2100 2000 2000 2000 AFR SAS NAM 50,000 20,000 40,000 -2,000 -30,000 1,500 -15,000 20,000 $1,000 \cdot$ 10,000 10,000 500 -0 2050 2100 2000 2050 2100 2000 2050 2100 2000 OECD SAM CIS 1,500 -90,000 -1000 HA 60,000 1,000 -70,000 -40,000 500 50,000 -20,000 30,000 0 2000 2050 2100 2050 2100 2040 2070 2100 2000 2010 **EUR** EAS SEA 160 60,000 -3,000 -120 50,000 -80 40,000 -2,000 30,000 40 1,000 20,000 2050 2000 2050 2100 2000 2100 2000 2050 2100 OCE MAF REF 60,000 6,000 60,000 -40,000 -4,000 40,000 20,000 -2,000 20,000 0 -



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FEED_BEAD_1000 T World LAM **ASIA** 6,000 -20,000 800 -15,000 4,000 -600 -10,000 2,000 -5,000 400 -2050 2100 2050 2075 2100 2050 2100 2000 2000 2025 2000 AFR SAS NAM 10,000 400 -7,500 1,000 -5,000 200 -500 -2,500 0 0 -2040 2070 2100 2000 2050 2100 2000 2050 2100 2010 **OECD** SAM CIS 2,500 4,000 -500 -2,000 3,000 -1,500 400 -2,000 -1,000 300 -1,000 -500 200 -0 2050 2100 2075 2100 2040 2100 2000 2000 2025 2050 2010 2070 **EUR** SEA **EAS** 4,000 -2,000 -1,500 3,000 -1,500 -1,000 2,000 -1,000 -500 1,000 -500 0 2050 2100 2000 2050 2025 2050 2075 2000 2100 2000 2100 OCE MAF REF 600 -10,000 -4,000 -7,500 -

400 -

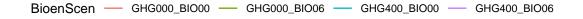
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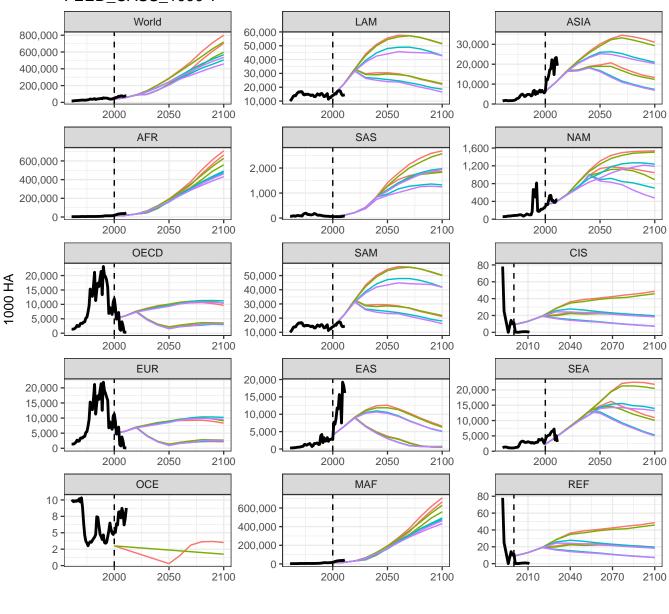
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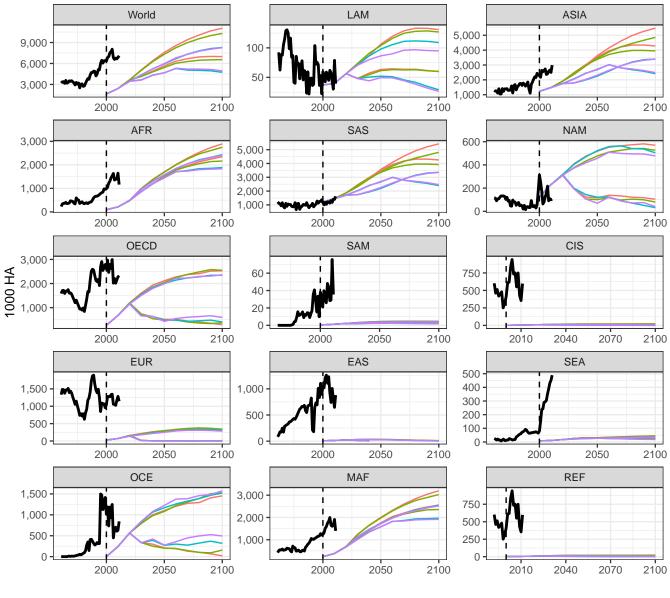
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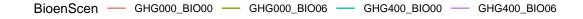
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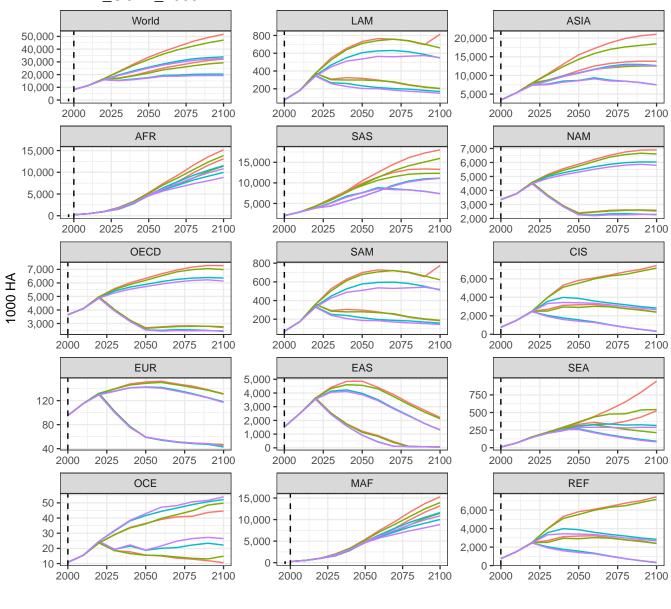
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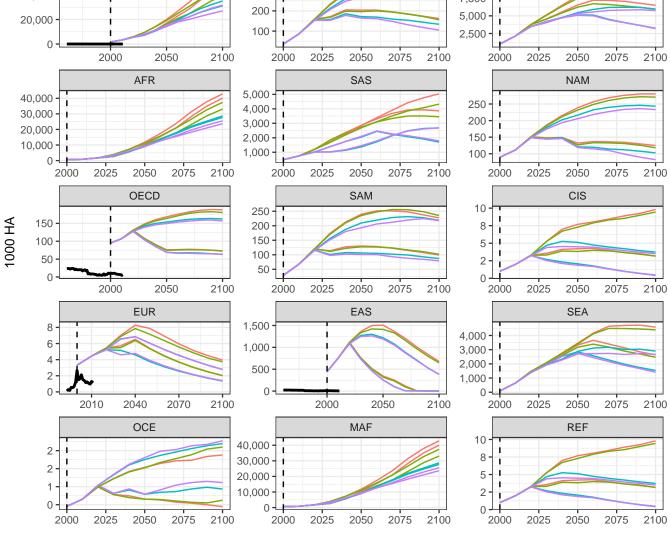
FEED_CORN_1000 T ASIA World LAM 400.000 900,000 100,000 300,000 600,000 200,000 50,000 -100,000 300,000 2100 2050 2100 2050 2100 2000 2050 2000 2000 AFR SAS NAM 125,000 300,000 100,000 150,000 -250,000 75,000 -100,000 -200,000 50,000 150,000 50,000 -25,000 100,000 0 -2000 2050 2100 2000 2050 2100 2000 2050 2100 **OECD** SAM CIS 120,000 -20,000 00 300,000 - 200,000 -90,000 -15,000 60,000 -10,000 30,000 -5,000 100,000 2000 2050 2100 2000 2050 2100 2010 2040 2070 2100 **EUR** EAS SEA 60,000 -100,000 200,000 -50,000 40,000 50,000 100,000 -30,000 20,000 2050 2000 2050 2100 2000 2100 2000 2050 2100 OCE REF MAF 20,000 1,500 100,000 -15,000 1,000 -50,000 -10,000 500 -5,000 0 -2050 2100 2050 2010 2040 2100 2000 2000 2100 2070



FEED_COTT_1000 T



FEED_GNUT_1000 T World LAM **ASIA** 10,000 -40,000 7,500 5,000 -2,500 -AFR SAS NAM 5,000 250 -4,000 -200 -3,000 2,000 1,000 100 -0 4 **OECD** SAM CIS 250 -200 -50 -**EUR EAS SEA** 1,500 -4,000 -1,000 -3,000 -4 • 2,000 -500 -1,000 -

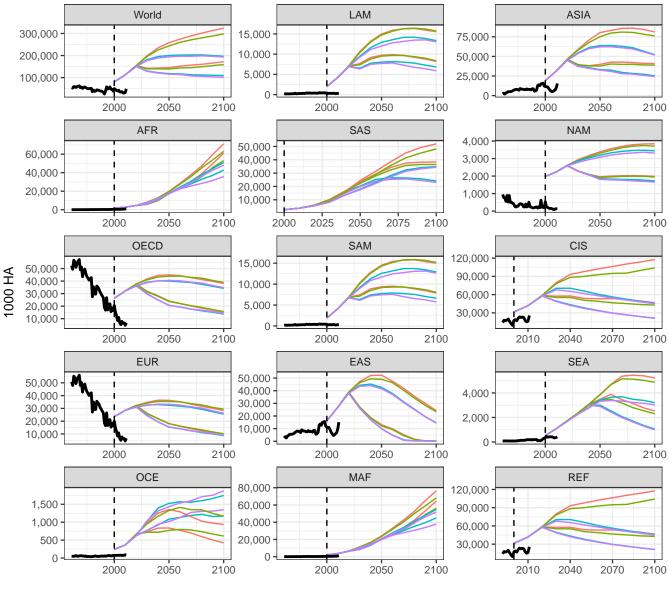


BioenScen — GHG000_BIO00 — GHG400_BIO00 — GHG400_BIO06 — GHG400_BIO06

FEED_MILL_1000 T World LAM ASIA 60,000 25,000 160 20,000 120 40,000 15,000 -80 -10,000 -20,000 -40 -5,000 -2100 2100 2100 2000 2050 2050 2000 2050 2000 AFR SAS NAM 400 30,000 -20,000 -300 15,000 -20,000 -10,000 -200 10,000 -5,000 -100 0 0 -2000 2050 2100 2000 2050 2100 2050 2100 2000 OECD SAM CIS 1,600 600 150 **-**1000 HA 500 1,200 -100 -400 800 -300 50 400 200 2050 2100 2050 2100 2010 2040 2070 2100 2000 2000 **EUR** EAS SEA 2,500 -300 -2,000 -200 1,500 -200 1,000 -100 100 500 -2050 2050 2100 2100 2050 2100 2000 2000 2000 OCE MAF REF 1,600 30,000 -150 1,200 -20,000 -100 -800 -10,000 -50 · 400 2050 2100 2000 2010 2040 2100 2000 2050 2100 2070

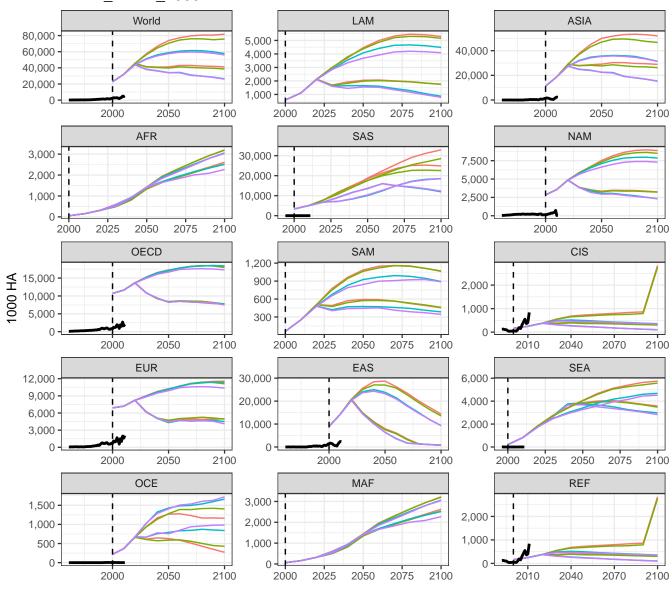
BioenScen — GHG000_BIO00 — GHG000_BIO06 — GHG400_BIO00 — GHG400_BIO06

FEED_POTA_1000 T



BioenScen — GHG000_BIO00 — GHG400_BIO00 — GHG400_BIO06 — GHG400_BIO06

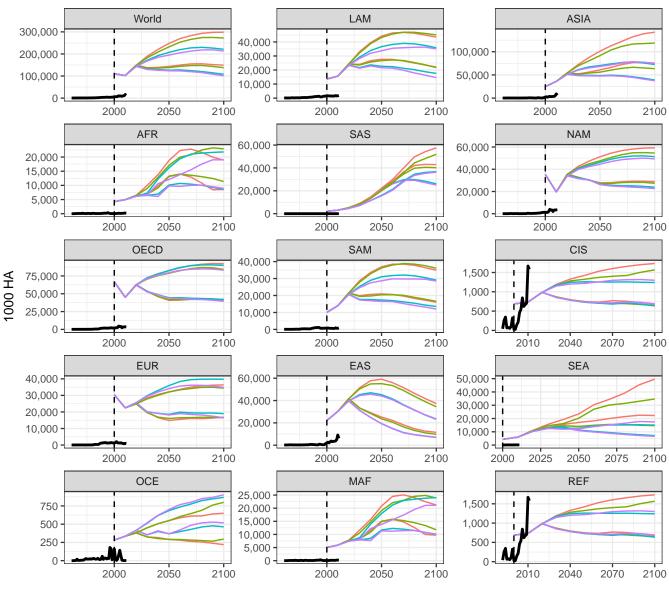
FEED_RAPE_1000 T



BioenScen — GHG000_BIO00 — GHG400_BIO00 — GHG400_BIO00 — GHG400_BIO06

FEED_RICE_1000 T LAM World **ASIA** 300,000 200,000 4,000 -200,000 -2,000 -100,000 100,000 -0 2100 2050 2100 2100 2000 2050 2000 2000 2050 AFR SAS NAM 200,000 -25,000 1,250 1,000 20,000 150,000 -15,000 750 100,000 -10,000 500 50,000 -5,000 -250 0 -0 -2000 2050 2100 2000 2050 2100 2000 2050 2100 **OECD** SAM CIS 4,000 -75 1000 HA 600 3,000 -50 400 2,000 -25 1,000 -200 2050 2100 2050 2100 2010 2100 2000 2000 2040 2070 **EUR** EAS SEA 600 40,000 -60,000 30,000 -400 40,000 20,000 -20,000 200 10,000 -0 -2050 2000 2100 2000 2050 2100 2000 2050 2100 OCE MAF REF 25,000 1 75 20,000 -1 15,000 -50 0 -10,000 -25 0 -5,000 -2006 2008 2010 2050 2010 2040 2100 2002 2004 2000 2100 2070

FEED_SOYA_1000 T

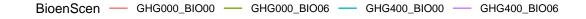


BioenScen — GHG000_BIO00 — GHG000_BIO06 — GHG400_BIO00 — GHG400_BIO06

FEED_SRGH_1000 T World LAM **ASIA** 60,000 -15,000 100,000 -40,000 -10,000 20,000 -50,000 -5,000 2100 2050 2100 2100 2000 2050 2000 2000 2050 AFR SAS NAM 15,000 -60,000 40,000 10,000 -30,000 40,000 20,000 -5,000 -10,000 -20,000 0 -0 2000 2050 2100 2000 2050 2100 2000 2050 2100 OECD SAM CIS 12,500 20,000 -10,000 -150 7,500 -15,000 100 5,000 10,000 2,500 50 2050 2100 2050 2100 2040 2070 2100 2000 2000 2010 **EUR** EAS SEA 250 8,000 -3,000 -200 6,000 150 2,000 4,000 -100 1,000 2,000 50 0 2100 2050 2100 2000 2050 2100 2000 2050 2000 OCE MAF REF 4,000 40,000 -150 3,000 -30,000 -

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FEED_SUGC_1000 T ASIA World LAM 600,000 1,000,000 90,000 750,000 400,000 60,000 500,000 -200,000 30,000 250,000 -2100 2050 2100 2000 2050 2100 2000 2050 2000 AFR SAS NAM 300,000 500,000 60,000 -400,000 200,000 40,000 -300,000 200,000 100,000 -20,000 100,000 0 -0 -2000 2050 2100 2000 2050 2100 2050 2100 2000 OECD SAM CIS 30,000 4,000 60,000 3,000 -20,000 40,000 2,000 10,000 -20,000 1,000 2040 2080 2050 2100 2000 2000 2000 2025 2050 2075 2100 EAS **EUR** SEA 60,000 8,000 40,000 6,000 40,000 -30,000 4,000 20,000 20,000 2,000 -10,000 0 -2000 2040 2080 2000 2050 2100 2000 2050 2100 OCE MAF REF 7,000 300,000 4,000 -

6,000 -

5,000 **-** 4,000 **-**

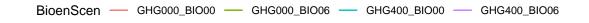
3,000

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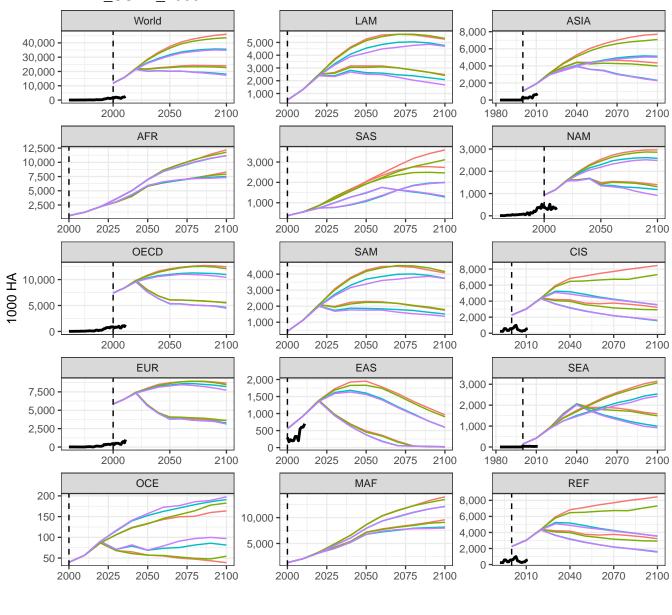
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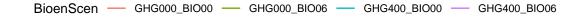
2100

FEED_SUNF_1000 T

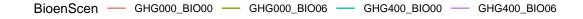


BioenScen — GHG000_BIO00 — GHG400_BIO00 — GHG400_BIO06 — GHG400_BIO06

FEED_SWPO_1000 T LAM World **ASIA** 200,000 -200,000 900 -150,000 150,000 -100,000 100,000 -600 -50,000 50,000 -300 -0 2050 2100 2050 2100 2050 2100 2000 2000 2000 AFR SAS NAM 15,000 -300 400 10,000 -200 200 -5,000 100 0 -0 2000 2050 2100 2000 2050 2100 2000 2050 2100 OECD SAM CIS 1,500 1000 HA 750 -1 -1,000 500 -0 -500 250 0 2000 2050 2100 2050 2100 2025 2050 2075 2100 2000 2000 **EUR** EAS SEA 200,000 400 150,000 10,000 300 100,000 -200 5,000 50,000 100 0 -0 . 2050 2000 2050 2100 2000 2100 2000 2050 2100 OCE MAF REF 15,000 -30 1 -10,000 -20 5,000 -10 0 -0 -2000 2050 2100 2050 2050 2100 2000 2100 2000 2025 2075



FEED_WHEA_1000 T World LAM **ASIA** 50,000 7,500 -40,000 200,000 -30,000 5,000 -20,000 100,000 2,500 -10,000 0 2100 2050 2100 2050 2000 2100 2050 2000 2000 AFR SAS NAM 20,000 20,000 20,000 -15,000 -10,000 -10,000 -10,000 5,000 0 -0 2050 2100 2000 2050 2100 2050 2100 2000 2000 OECD SAM CIS 80,000 4,000 -4 100,000 - 75,000 - 50,000 - 25,000 -60,000 -3,000 -2,000 -40,000 -1,000 -25,000 20,000 0 2050 2100 2050 2100 2040 2070 2100 2000 2000 2010 **EUR** EAS SEA 30,000 -10,000 60,000 -7,500 20,000 -5,000 40,000 10,000 -2,500 20,000 0 -2050 2050 2000 2050 2100 2000 2100 2100 2000 OCE MAF REF 80,000 30,000 -9,000 60,000 -20,000 -6,000 40,000 -10,000 -3,000



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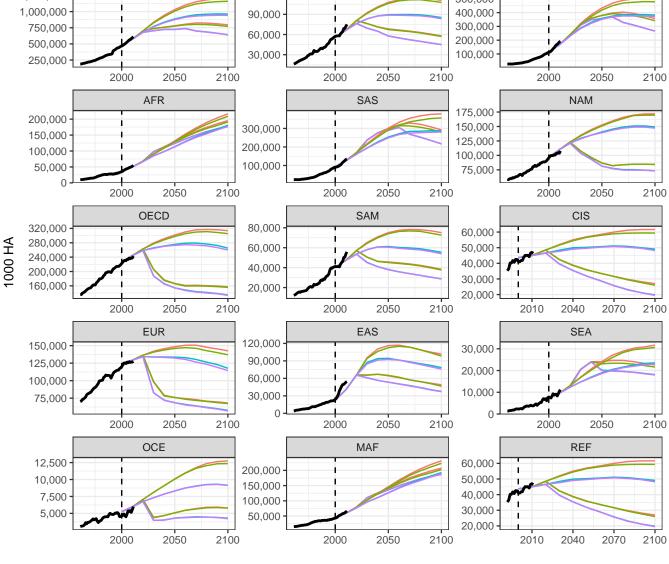
2040

2010

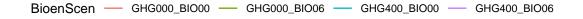
2100

FOOD_ALMILK_1000 T World LAM **ASIA** 1,250,000 500,000 400,000 90,000 300,000 60,000 200,000 100,000 30,000 2050 2100 2050 2100 2000 2000 2100 2000 2050 AFR SAS NAM 175,000 150,000 300,000 125,000 200,000 100,000 100,000 75,000 0 2000 2050 2100 2000 2050 2100 2000 2050 2100 OECD SAM CIS 80,000 60,000 60,000 50,000 -40,000 40,000 30,000 20,000 20,000 2000 2050 2100 2000 2050 2100 2010 2070 2100 2040 **EUR** EAS SEA 120,000 30,000 90,000 20,000 60,000 10,000 30,000 0 2000 2050 2100 2000 2050 2100 2000 2050 2100 OCE MAF REF

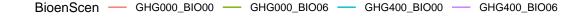
BioenScen — GHG000_BIO00 — GHG000_BIO06 — GHG400_BIO00 — GHG400_BIO06



FOOD_BARL_1000 T World LAM **ASIA** 15,000 -60,000 -10,000 -10,000 -40,000 5,000 -5,000 20,000 -2100 2050 2100 2050 2100 2000 2050 2000 2000 AFR SAS NAM 25,000 10,000 2,500 -20,000 -7,500 15,000 -2,000 5,000 -10,000 -1,500 5,000 -2,500 1,000 -2000 2000 2050 2100 2050 2100 2050 2100 2000 **OECD** SAM CIS 8,000 -1,500 30,000 20,000 · 10,000 · 6,000 -1,250 4,000 -1,000 -2,000 -750 **-**500 0 2000 2050 2100 2050 2100 2040 2070 2100 2000 2010 **EUR** EAS SEA 12,500 10,000 6,000 -10,000 -7,500 4,000 -5,000 5,000 -2,000 -2,500 0 -0 2100 2050 2050 2000 2050 2000 2100 2000 2100 OCE MAF REF 1,500 10,000 -600 1,250 -7,500 -400 1,000 -5,000 -200 -750 **-**2,500 -500 -2100 2050 2050 2100 2040 2070 2000 2100 2000 2010



FOOD_BEAD_1000 T World LAM **ASIA** 8,000 7,000 -25,000 7,000 6,000 -20,000 6,000 -5,000 -4,000 -15,000 -5,000 3,000 -4,000 10,000 2050 2100 2050 2100 2050 2100 2000 2000 2000 AFR SAS NAM 6,000 4,000 5,000 -3,500 10,000 3,000 4,000 -2,500 5,000 3,000 -2,000 2,000 -1,500 0 2050 2000 2050 2100 2050 2100 2000 2100 2000 **OECD** SAM CIS 2,700 5,000 40 2,400 4,000 -30 2,100 20 3,000 -1,800 10 2,000 1,500 2050 2100 2050 2100 2040 2070 2100 2000 2000 2010 **EUR** EAS SEA 1,750 700 1,500 -650 2,000 1,250 600 1,000 550 1,000 -500 750 500 450 2100 2000 2050 2100 2000 2050 2100 2000 2050 OCE MAF REF 40 30 10,000 -30 20 20



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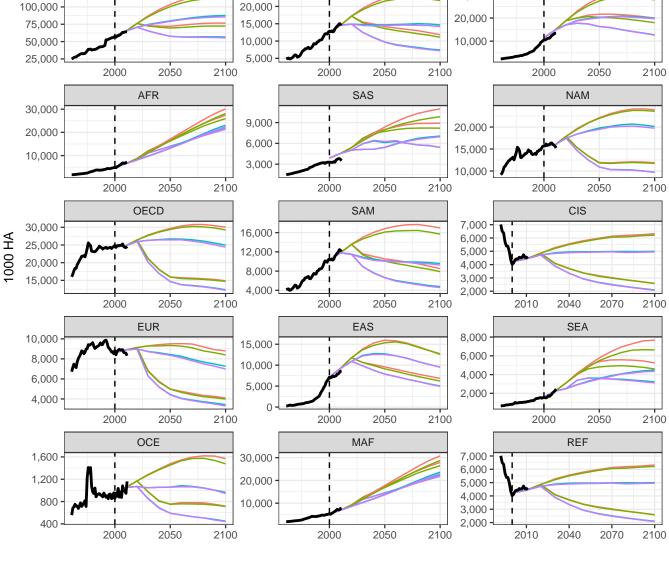
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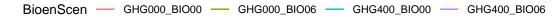
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2000

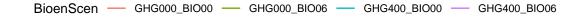
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FOOD_BVMEAT_1000 T World LAM **ASIA** 30,000 20,000 -20,000 15,000 -10,000 -10,000 5,000 -2050 2100 2000 2050 2100 2000 2050 2100 2000 AFR SAS NAM 9,000 -20,000 6,000 -15,000 3,000 10,000 2000 2050 2100 2000 2050 2100 2000 2050 2100 OECD SAM CIS 7,000 16,000 -6,000 5,000 12,000 -4,000 8,000 -3,000 4,000 -2,000 2040 2000 2050 2100 2050 2100 2010 2070 2100 2000 **EUR** EAS SEA 8,000 15,000 -6,000 10,000 -4,000 5,000 2,000 2050 2100 2000 2050 2100 2000 2050 2100 2000

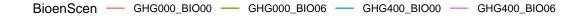




FOOD_CASS_1000 T World LAM **ASIA** 250,000 40,000 -14,000 -200,000 150,000 -12,000 30,000 -100,000 -10,000 20,000 50,000 -8,000 2050 2100 2100 2100 2050 2000 2050 2000 2000 AFR SAS NAM 15,000 150,000 -1,500 10,000 100,000 1,000 50,000 5,000 500 2000 2050 2100 2050 2100 2000 2050 2100 2000 **OECD** SAM CIS 600 14,000 1000 HA 3 12,000 400 2 · 10,000 200 8,000 2050 2100 2050 2050 2100 2000 2000 2100 2000 2025 2075 **EUR** EAS SEA 15 2,500 25,000 10 2,000 20,000 -1,500 15,000 -5 -1,000 10,000 2050 2025 2050 2075 2100 2050 2100 2100 2000 2000 2000 OCE REF MAF 60 150,000 3 2 -40 100,000 50.000 20 2050 2050 2050 2100 2000 2100 2000 2100 2000 2025 2075



FOOD_CHKP_1000 T World LAM ASIA 800 -12,500 20,000 600 -10,000 15,000 400 -7,500 10,000 200 -5,000 2050 2100 2100 2050 2100 2000 2050 2000 2000 AFR SAS NAM 800 12,000 -6,000 600 10,000 -4,000 -400 8,000 -2,000 200 6,000 2050 2100 2050 2100 2000 2050 2100 2000 2000 OECD SAM CIS 1,750 1,500 300 -1,250 200 -1,000 100 -750 500 2050 2100 2050 2100 2040 2070 2100 2000 2000 2010 **EUR** EAS SEA 500 3,000 750 · 400 2,000 -500 300 1,000 250 200 0 -2050 2100 2050 2100 2000 2050 2100 2000 2000 OCE MAF REF 8,000 -90 6,000 -60 4,000 -30 2,000 -



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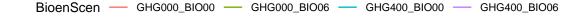
2070

2100

2050

2100

FOOD_CORN_1000 T World LAM **ASIA** 250,000 60,000 200,000 30,000 40,000 150,000 20,000 100,000 -20,000 50,000 10,000 2050 2100 2050 2100 2100 2000 2000 2050 2000 AFR SAS NAM 14,000 40,000 12,000 100,000 30,000 10,000 8,000 20,000 -50,000 6,000 10,000 2000 2050 2100 2050 2100 2000 2050 2100 2000 **OECD** SAM CIS 30,000 12,500 1000 HA 1,750 10,000 20,000 1,500 7,500 10,000 5,000 1,250 2050 2100 2000 2050 2100 2010 2040 2070 2100 2000 **EUR** EAS SEA 15,000 8,000 30,000 -12,500 6,000 10,000 20,000 7,500 4,000 -10,000 5,000 2,000 -0 2,500 2050 2100 2000 2100 2000 2050 2100 2000 2050 OCE MAF REF 150,000 900 1,750 100,000 600 1,500 50,000 -300 1,250 0



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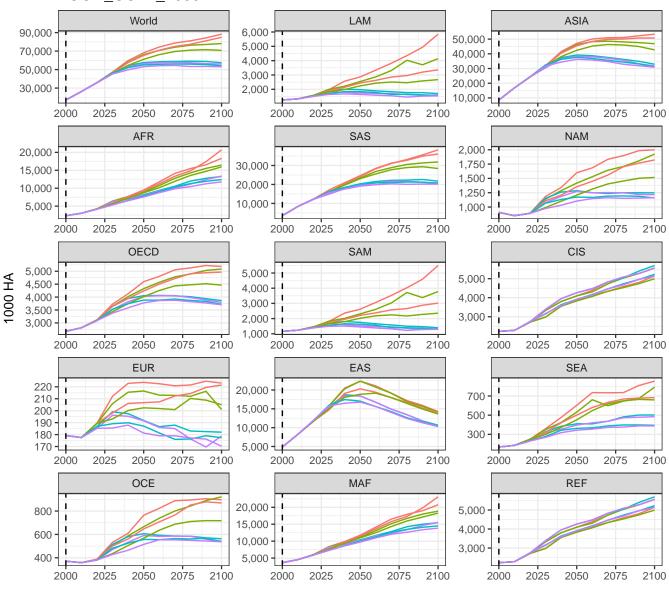
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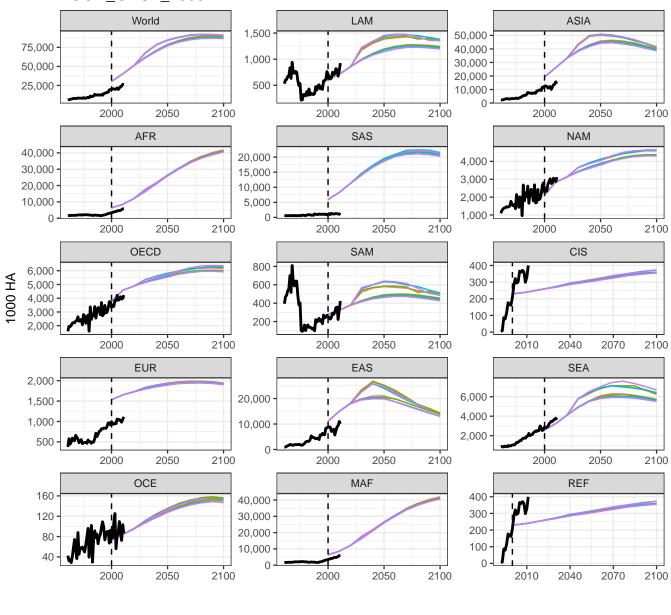
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2000

FOOD_COTT_1000 T



FOOD_GNUT_1000 T

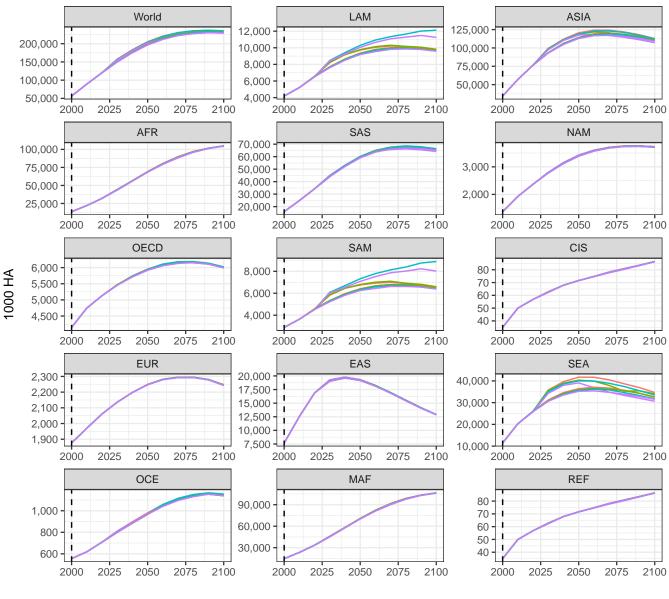


BioenScen — GHG000_BIO00 — GHG400_BIO00 — GHG400_BIO00 — GHG400_BIO06

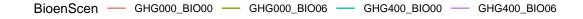
FOOD_MILL_1000 T World LAM ASIA 70,000 60,000 17,500 0 -50,000 15,000 40,000 0 -12,500 30,000 -10,000 20,000 2100 2050 2100 2050 2075 2100 2050 2000 2025 2000 2000 AFR NAM SAS 16,000 -50,000 14,000 -0 -40,000 12,000 -30,000 0 -10,000 -20,000 0 8,000 10,000 6,000 2000 2050 2100 2050 2100 2025 2050 2100 2000 2000 2075 OECD SAM CIS 50 1000 HA 750 40 0 -30 500 0 -20 250 10 2050 2100 2100 2040 2070 2100 2000 2000 2025 2050 2075 2010 **EUR** EAS SEA 8,000 -15 -2,000 6,000 1,500 10 4,000 1,000 -5 2,000 -500 2000 2050 2100 2050 2100 2000 2050 2000 2100 OCE MAF REF 50,000 -750 40,000 -0 30,000 -500 0 20,000 -250 10,000 -2004 2050 2040 2070 2100 2000 2008 2000 2100 2010

BioenScen — GHG000_BIO00 — GHG000_BIO06 — GHG400_BIO00 — GHG400_BIO06

FOOD_OPAL_1000 T



FOOD_PGMEAT_1000 T World LAM **ASIA** 160,000 75,000 10,000 -120,000 50,000 80,000 -5,000 25,000 40,000 -2100 2050 2100 2050 2100 2000 2050 2000 2000 **AFR** SAS NAM 20,000 10,000 10,000 15,000 5,000 -5,000 -10,000 0 0 -2050 2000 2050 2100 2000 2100 2000 2050 2100 OECD SAM CIS 50,000 8,000 -8,000 1000 HA 40,000 7,000 6,000 6,000 30,000 -4,000 -5,000 4,000 20,000 2,000 -3,000 2000 2050 2100 2000 2050 2100 2040 2070 2100 2010 **EUR** EAS SEA 15,000 25,000 60,000 -20,000 10,000 40,000 -15,000 -20,000 -5,000 10,000 -0 -2050 2050 2100 2000 2050 2100 2000 2100 2000 OCE REF MAF 1,600 8,000 7,000 6,000 10,000 -1,200 800 5,000 5,000 -4,000 400 3,000



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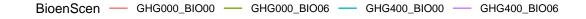
2070

2100

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2000

FOOD_POTA_1000 T World LAM **ASIA** 160,000 16,000 -300,000 120,000 12,000 -80,000 200,000 -8,000 -40,000 100,000 2100 2050 2100 2050 2100 2000 2050 2000 2000 AFR SAS NAM 100,000 -40,000 75,000 -40,000 -30,000 50,000 -20,000 20,000 25,000 -0 . 10,000 2000 2050 2100 2050 2100 2000 2050 2100 2000 **OECD** SAM CIS 100,000 12,500 -90,000 1000 HA 30,000 80,000 -10,000 -70,000 -7,500 -27,500 60,000 -5,000 -2050 2100 2050 2100 2070 2000 2000 2010 2040 2100 **EUR** SEA **EAS** 80,000 -5,000 48,000 -4,000 60,000 3,000 44,000 -40,000 -2,000 40,000 20,000 -1,000 36,000 2050 2100 2000 2050 2100 2000 2100 2000 2050 OCE MAF REF 60,000 -3,000 -30.000 40,000 -2,000 -27,500 20,000 -1,000 -0 -2050 2100 2050 2040 2000 2000 2100 2010 2070 2100

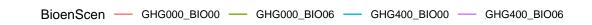


FOOD_PTEGGS_1000 T World LAM **ASIA** 120,000 60,000 9,000 -90,000 40,000 6,000 -60,000 20,000 3,000 -30,000 -2100 2050 2100 2050 2100 2000 2050 2000 2000 SAS **AFR** NAM 25,000 12,500 20,000 20,000 -10,000 15,000 10,000 7,500 10,000 -5,000 -5,000 0 . 0 2000 2050 2100 2000 2050 2100 2000 2050 2100 OECD SAM CIS 6,000 -5,000 -18,000 -4,000 -4,000 -15,000 -3,000 -12,000 -2,000 -2,000 9,000 -1,000 2000 2050 2100 2050 2100 2010 2040 2070 2100 2000 **EUR** EAS **SEA** 8,000 30,000 -7,500 7,000 20,000 -5,000 6,000 -5,000 10,000 -2,500 4,000 2050 2100 2000 2050 2100 2000 2100 2000 2050 OCE MAF REF 500 5,000 -20,000 -

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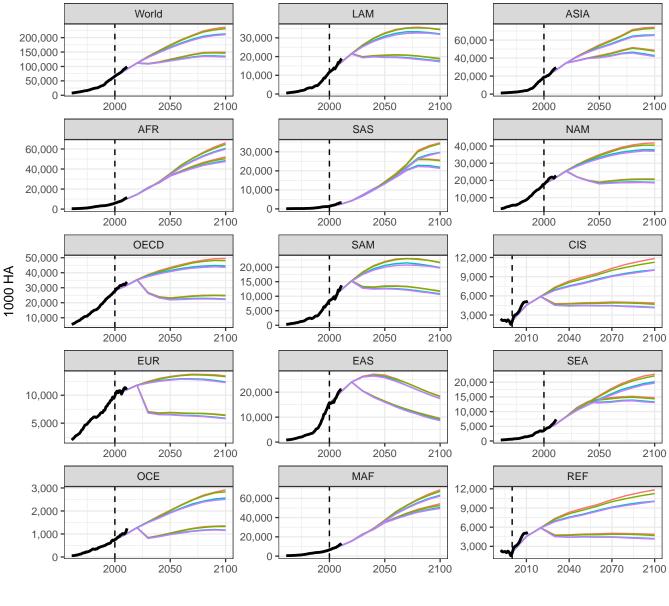
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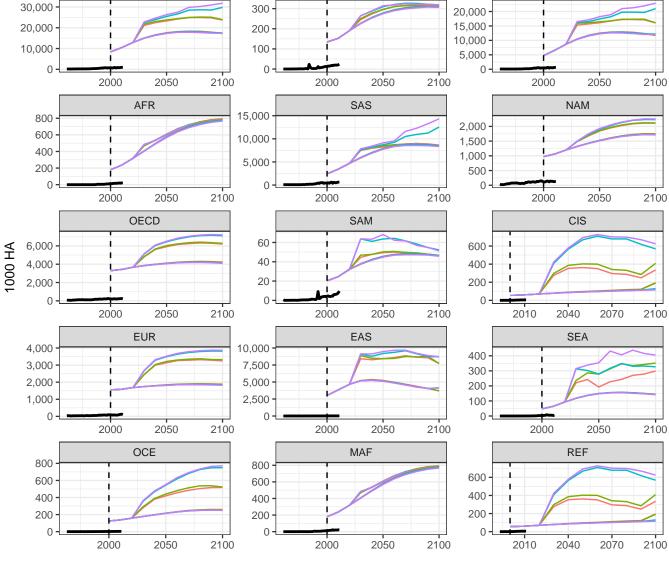
2100

2070

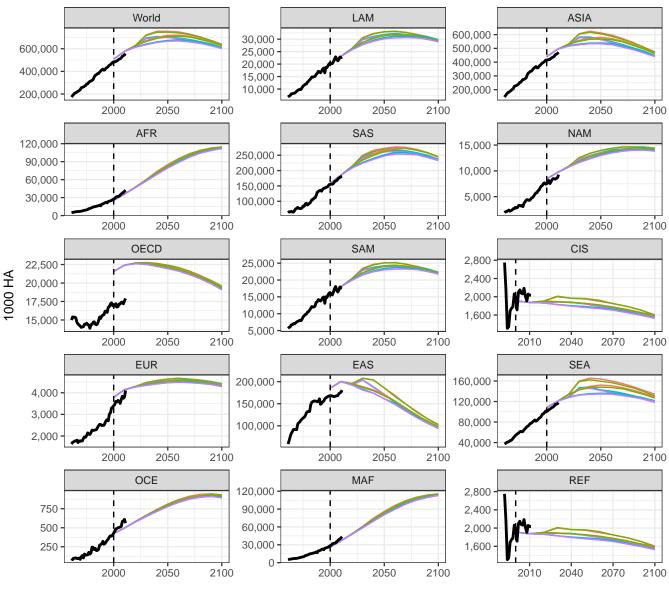
FOOD_PTMEAT_1000 T



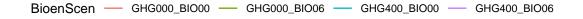
FOOD_RAPE_1000 T World LAM **ASIA** 300 -20,000 -15,000 -200 -10,000 -100 -5,000 -0 -2100 2100 2000 2000 2050 2000 2050 AFR SAS 15,000 -800 2,000 -



FOOD_RICE_1000 T



FOOD_SGMEAT_1000 T World LAM ASIA 30,000 -1,000 -10,000 -20,000 750 **-**5,000 -10,000 500 -2050 2100 2050 2100 2000 2050 2100 2000 2000 AFR SAS NAM 800 . 5,000 -10,000 4,000 -600 3,000 -5,000 2,000 -400 1,000 -2000 2050 2100 2000 2050 2100 2000 2050 2100 OECD SAM CIS 3,500 600 -1,200 -3,000 1000 HA 500 -2,500 400 -900 -2,000 300 600 200 1,500 300 2040 2050 2100 2050 2100 2010 2070 2100 2000 2000 **EUR** EAS SEA 1,800 900 6,000 -1,500 4,000 -1,200 600 900 2,000 -300 600 2050 2100 2050 2100 2000 2050 2100 2000 2000 OCE MAF REF 15,000 -700 600 500 1,200 -10,000 -900 -400 300 5,000 -600 200



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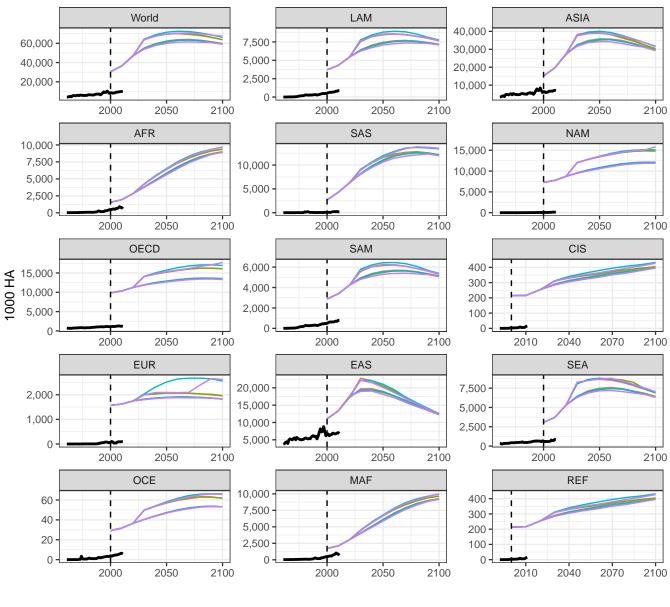
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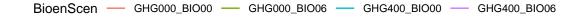
2100

FOOD_SOYA_1000 T



FOOD_SRGH_1000 T World LAM ASIA 600 -18,000 75,000 500 -15,000 400 -50,000 -12,000 300 -9,000 25,000 200 2050 2100 2050 2100 2050 2100 2000 2000 2000 AFR SAS NAM 12,000 -80,000 1,000 60,000 10,000 800 -40,000 600 -8,000 400 20,000 6,000 200 2100 2000 2050 2000 2050 2100 2000 2050 2100 OECD CIS **EUR** 1000 HA 400 0 200 0 -0 2050 2100 2006 2008 2010 1980 2010 2070 2100 2000 2040 EAS SEA MAF 80,000 200 -6,000 60,000 -150 **-**4,000 100 -40,000 -2,000 50 -20,000 2100 2100 2000 2050 2050 2100 2000 2050 2000 REF 1 1 0 -2008 2010 2006

FOOD_SUGC_1000 T World LAM **ASIA** 300,000 900,000 1,500,000 200,000 600,000 -1,000,000 100,000 300,000 -500,000 -0 2100 2050 2000 2050 2000 2100 2000 2050 2100 AFR SAS NAM 800,000 150,000 -300,000 600,000 100,000 -200,000 -400,000 50,000 -100,000 -200,000 -0 -0 -2000 2050 2100 2000 2050 2100 2000 2050 2100 OECD SAM CIS 150,000 200,000 39,000 1000 HA 100,000 150,000 38,000 100,000 37,000 50,000 50,000 36,000 2070 2100 2050 2010 2040 2000 2100 2000 2025 2050 2075 2100 EAS **EUR** SEA 200,000 30,000 150,000 150,000 -20,000 100,000 100,000 10,000 50,000 50,000 -0 -2040 2070 2100 2000 2050 2100 2000 2050 2010 2100 MAF REF OCE 15,000 -39,000 300,000 38,000 10,000 -200,000 37,000 5,000 -100,000 36,000 -



2000

2050

2100

2000

2025

2050

2075

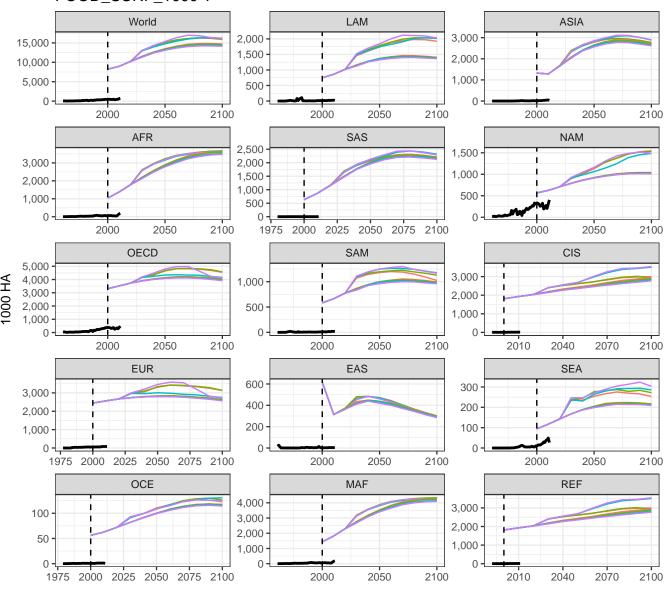
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2050

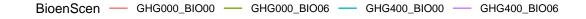
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2000

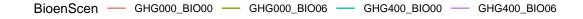
FOOD_SUNF_1000 T



FOOD_SWPO_1000 T World LAM **ASIA** 100,000 2,250 100,000 -2,000 -80,000 90,000 1,750 -80,000 60,000 1,500 70,000 40,000 1,250 60,000 2100 2050 2100 2050 2050 2000 2100 2000 2000 AFR SAS NAM 30,000 -4,000 -2,000 -20,000 -3,000 -1,600 -10,000 -1,200 2,000 -800 1,000 -2100 2050 2000 2050 2100 2000 2050 2100 2000 **OECD** SAM CIS 1,500 -4,000 -1000 HA 1 1,250 3,000 -0 -1,000 -2,000 750 2050 2100 2050 2100 2050 2075 2100 2000 2000 2000 2025 **EUR** EAS **SEA** 5,500 125 5,000 75,000 100 4,500 4,000 75 50,000 3,500 50 25,000 -3,000 2050 2100 2000 2050 2100 2000 2050 2100 2000 OCE MAF REF 30,000 -300 20,000 -200 0 -10,000 -100 -2050 2050 2050 2000 2100 2000 2100 2000 2025 2075



FOOD_WHEA_1000 T World LAM **ASIA** 300,000 40,000 -600,000 500,000 30,000 -200,000 400,000 300,000 -20,000 -100,000 200,000 -10,000 -100,000 2000 2100 2050 2100 2050 2000 2050 2100 2000 NAM **AFR** SAS 150,000 160,000 60,000 120,000 -50,000 100,000 40,000 80,000 -50,000 30,000 40.000 20,000 2000 2050 2100 2000 2050 2100 2000 2050 2100 **OECD** SAM CIS 140,000 30,000 -39,000 **¥** 120,000 25,000 -36,000 100,000 20,000 -15,000 -33,000 80,000 10,000 -30,000 2050 2050 2100 2010 2040 2100 2000 2100 2000 2070 **EUR EAS SEA** 60,000 -20,000 100,000 -55,000 -15,000 10.000 50,000 -50,000 -5,000 45,000 -2050 2100 2050 2000 2000 2100 2000 2050 2100 OCE REF MAF 5,000 160,000 39,000 4,000 120,000 -36,000 3,000 80,000 -33,000 2,000 40.000 30,000



2000

2050

2100

2070

2100

2010

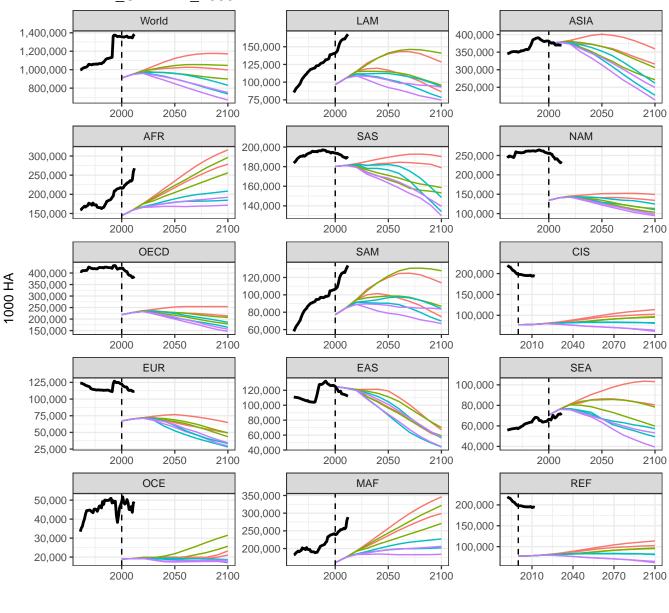
2040

2050

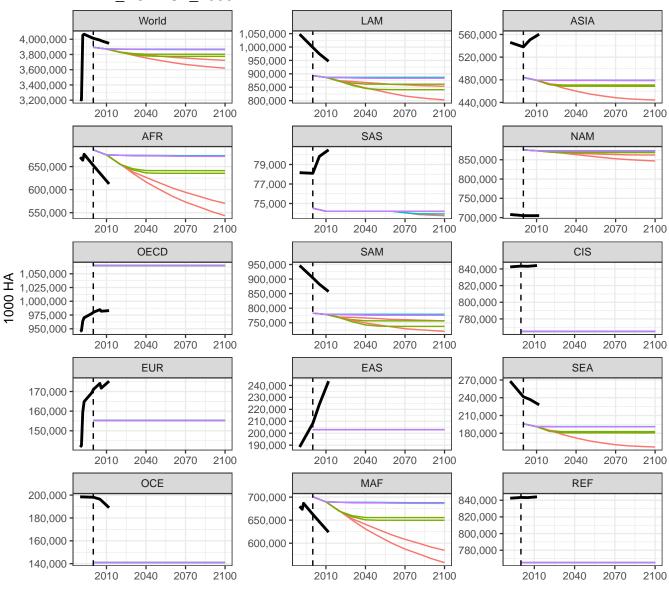
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2000

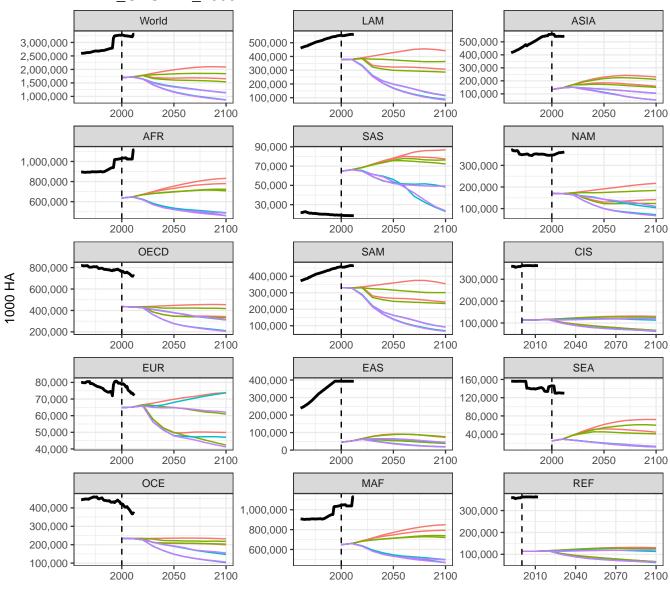
LAND CRPLND 1000 HA



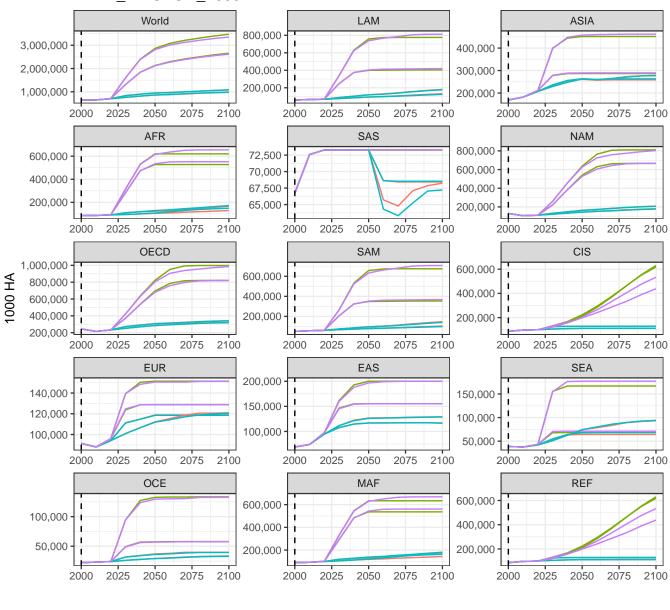
LAND FOREST 1000 HA



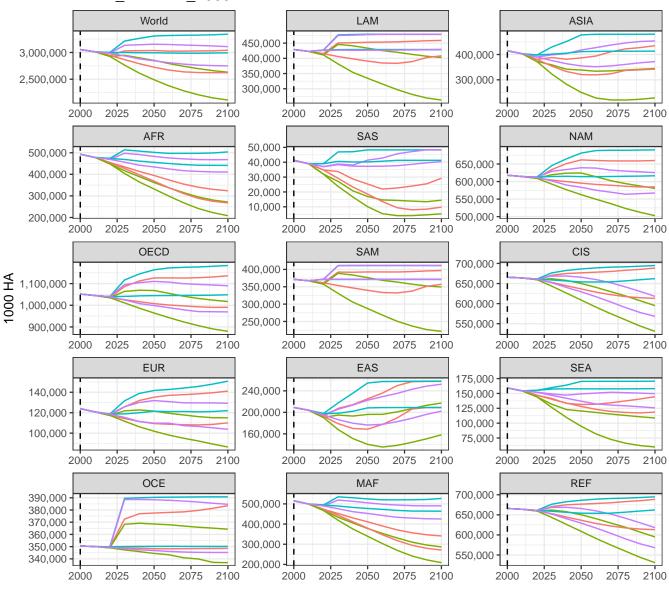
LAND GRSLND 1000 HA



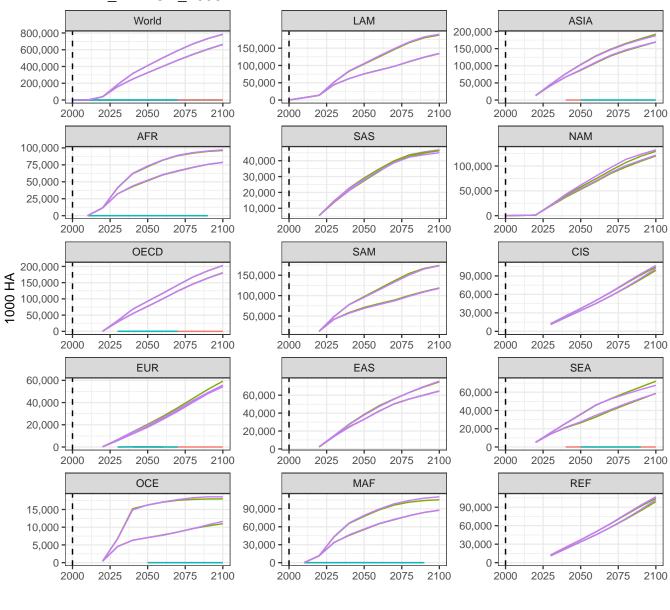
LAND_MNGFOR_1000 HA



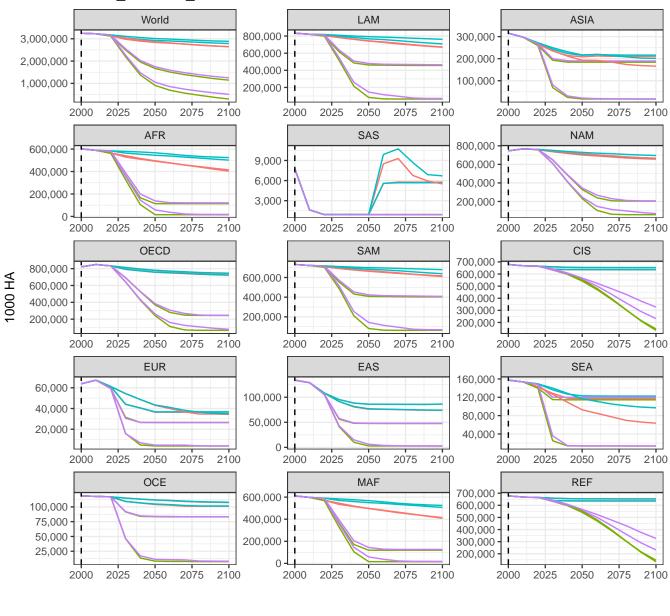
LAND NATLND 1000 HA



LAND_PLTFOR_1000 HA



LAND PRIFOR 1000 HA



OTHU ALMILK 1000 T World LAM **ASIA** 16,000 100,000 -14.000 200,000 -80,000 -12,000 60,000 -10,000 150,000 40,000 -8,000 -6,000 1 $100,000 \pm$ 2025 2050 2075 2100 2025 2050 2075 2100 2025 2050 2075 2100 2000 2000 2000 **AFR** SAS NAM 16,000 -25,000 80,000 14,000 -20,000 60,000 12,000 -15,000 10,000 -40,000 10,000 8,000 -20,000 -5,000 -2075 2100 2075 2100 2025 2050 2075 2100 2025 2050 2025 2050 2000 2000 2000 **OECD** SAM CIS 12,000 25,000 -60,000 10,000 20,000 50,000 -8,000 -15,000 -40,000 6,000 -10,000 30,000 -2100 2075 2025 2075 2100 2025 2050 2075 2100 2000 2025 2050 2000 2050 2000 **EUR EAS SEA** 20,000 +40,000 -1,600 35,000 -15,000 1,200 -30,000 -25,000 -10,000 800 -20,000 5,000 -15,000 400 -2000 2025 2050 2075 2100 2000 2025 2050 2075 2100 2000 2025 2050 2075 2100 OCE MAF REF 30,000 + 25,000 -7,000 -

1000 HA

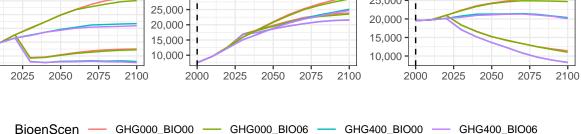
6,000 -

5,000

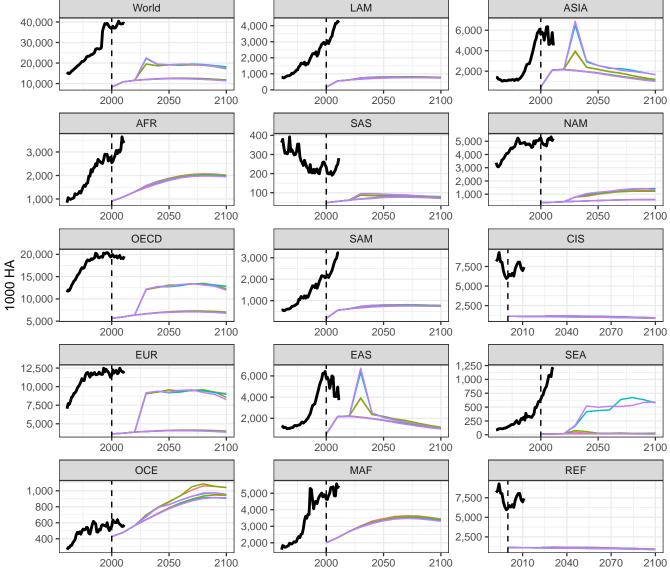
4,000

2000

3,000 -

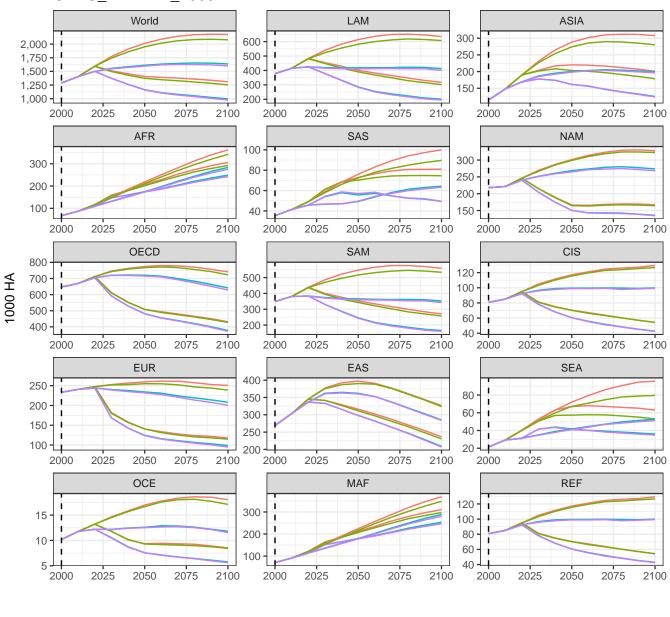


OTHU_BARL_1000 T LAM World 40,000 4,000 -3,000 -30,000 -2,000 -20,000

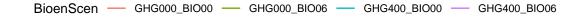


OTHU_BEAD_1000 T World LAM ASIA 2,500 6,000 2,000 600 -4,000 -1,500 1,000 2,000 AFR SAS NAM 1,500 3,000 2,000 1,000 -300 -1,000 -OECD SAM CIS 1000 HA 40 -400 -300 -**EUR** EAS SEA 150 -500 -100 -50 -OCE MAF REF 50 · 3,000 40 -2,000 -20 -10 -1,000

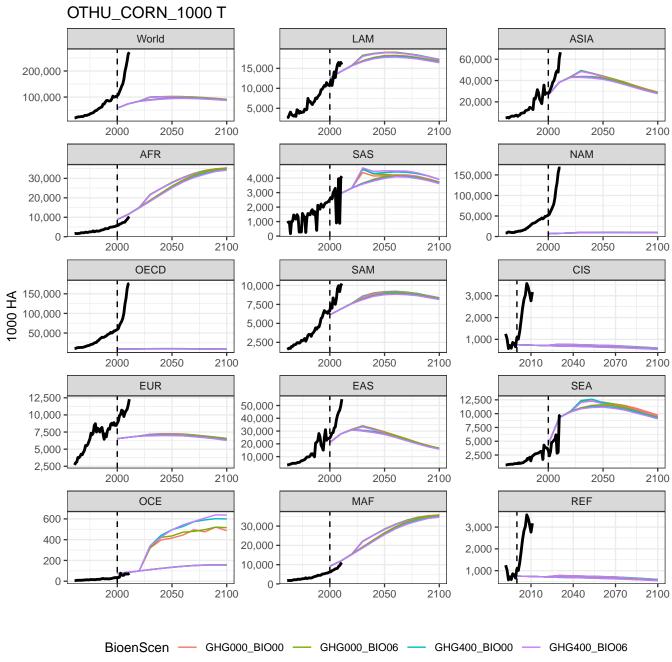
OTHU_BVMEAT_1000 T



OTHU_CASS_1000 T World LAM **ASIA** 100,000 8,000 -30,000 75,000 -6,000 -20,000 50,000 -4,000 -10,000 25,000 -2,000 2100 2100 2050 2100 2050 2050 2000 2000 2000 AFR SAS NAM 3,000 -60,000 -750 2,000 -40,000 -500 1,000 -20,000 -250 0 -0 -2050 2100 2050 2100 2050 2100 2000 2000 2000 OECD SAM CIS 8,000 -150 1,500 -1000 HA 6,000 100 1,000 4,000 -50 500 2,000 0 2050 2100 2050 2100 2010 2040 2070 2100 2000 2000 EAS SEA **EUR** 750 7,500 -20,000 500 5,000 -10,000 250 2,500 0 -2050 2050 2100 2000 2100 2000 2050 2100 2000 OCE MAF REF 150 60,000 -100 100 40,000 -50 -50 20,000 -0 -2050 2100 2010 2040 2070 2100 2000 2000 2050 2100



OTHU_CHKP_1000 T LAM ASIA World 1,600 4,000 1,200 3,000 2,000 200 -1,000 AFR SAS NAM 1,000 2,000 1,500 400 -1,000 OECD SAM CIS 40 -1000 HA 0 -**EUR** EAS SEA 100 · OCE MAF REF 2,000 1,500 1,000 100 ·



OTHU_COTT_1000 T World LAM **ASIA** 40,000 25,000 4.000 -20,000 -30,000 -3,000 -15,000 -20,000 -2,000 -10,000 -1,000 5,000 10,000 2050 2100 2050 2100 2050 2100 2000 2000 2000 AFR SAS NAM 16,000 -5,000 4,000 -12,000 -4,000 3,000 -3,000 8,000 -2,000 2,000 4,000 -1,000 1,000 0 2000 2050 2100 2000 2050 2100 2000 2050 2100 OECD SAM CIS 3,000 -5,000 1,000 4,000 2,000 -3,000 500 1,000 -2,000 2050 2100 2050 2100 2040 2070 2100 2000 2000 2010 **EUR** EAS SEA 15,000 -2,000 1,500 1,500 10,000 -1,000 -1,000 500 5,000 -500 2100 2000 2050 2100 2050 2100 2000 2050 2000 OCE MAF REF

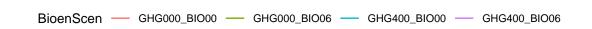
1000 HA

120

90

60

30



2000

2050

1,000

500

2100

2010

2040

2070

2100

5,000 -

4,000 -

3,000 **-** 2,000 **-**

1,000

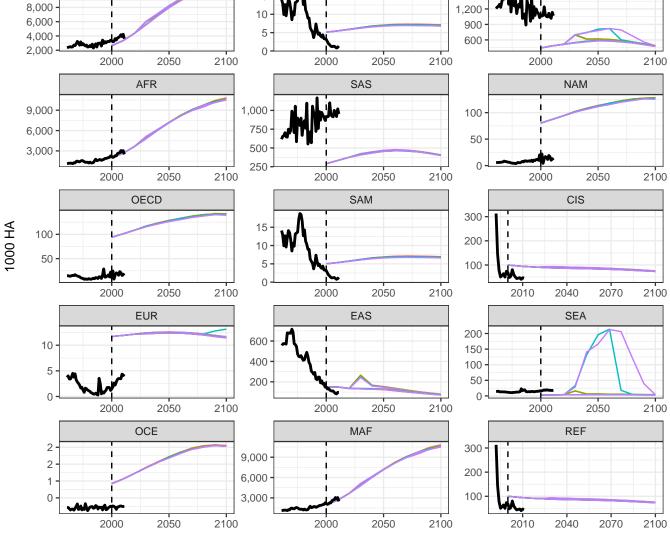
2100

2050

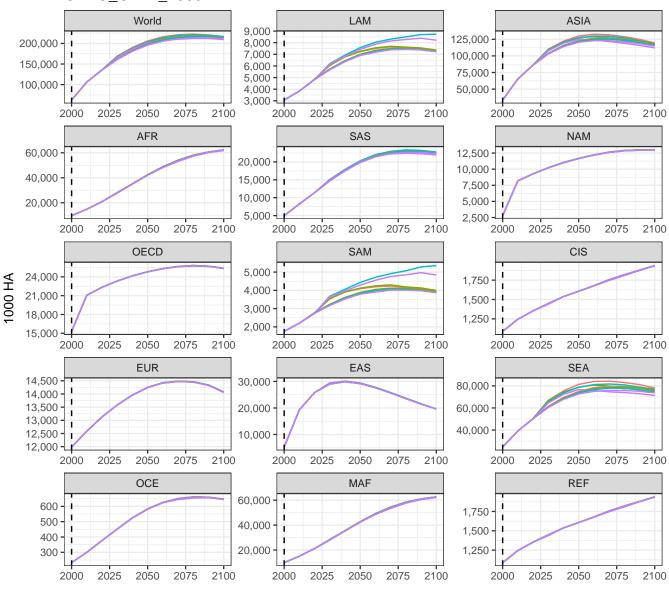
2000

OTHU_GNUT_1000 T World LAM **ASIA** 30,000 1,500 -40,000 30,000 20,000 -1,000 20,000 10,000 500 10,000 2100 2050 2100 2050 2100 2000 2050 2000 2000 AFR SAS NAM 15,000 -12,000 9,000 1,000 10,000 6,000 500 5,000 3,000 0 2050 2100 2000 2050 2100 2050 2100 2000 2000 OECD SAM CIS 1,500 3,000 30 . 1000 HA 1,000 2,000 20 1,000 500 10 2050 2100 2050 2100 2040 2070 2100 2000 2000 2010 **EUR** EAS SEA 2,500 16,000 -2,000 12,000 -2,000 1,500 8,000 -1,000 1,000 4,000 500 0 -2100 2100 2050 2050 2100 2050 2000 2000 2000 OCE MAF REF 12,000 -30 . 15 9,000 -20 6,000 -10 -5 3,000 -0 2050 2100 2050 2010 2040 2070 2100 2000 2000 2100

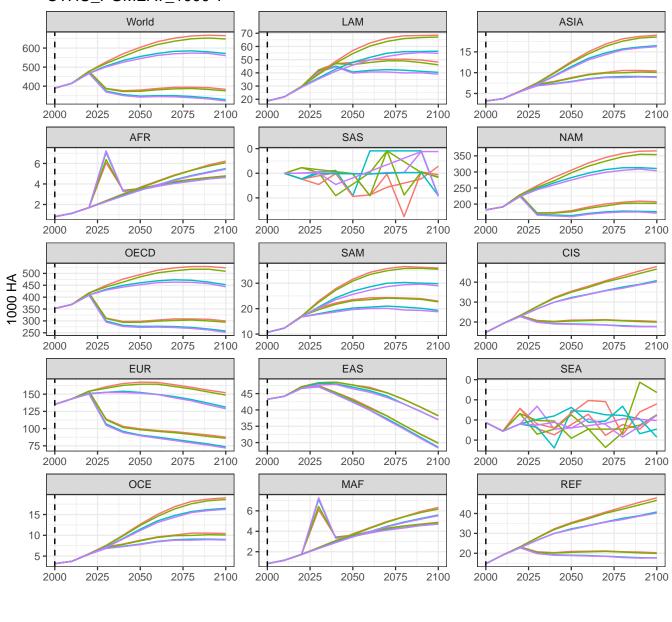
OTHU_MILL_1000 T World LAM ASIA 10,000 1,500 1,200 AFR SAS NAM 1,000 100 -50 -OECD SAM CIS 300 -5 -**EUR** EAS SEA 600 -100 -200 -OCE MAF REF



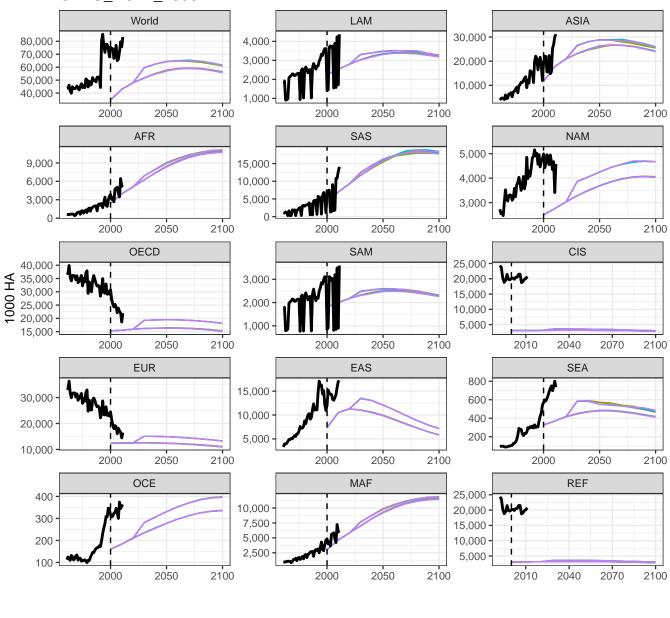
OTHU OPAL 1000 T



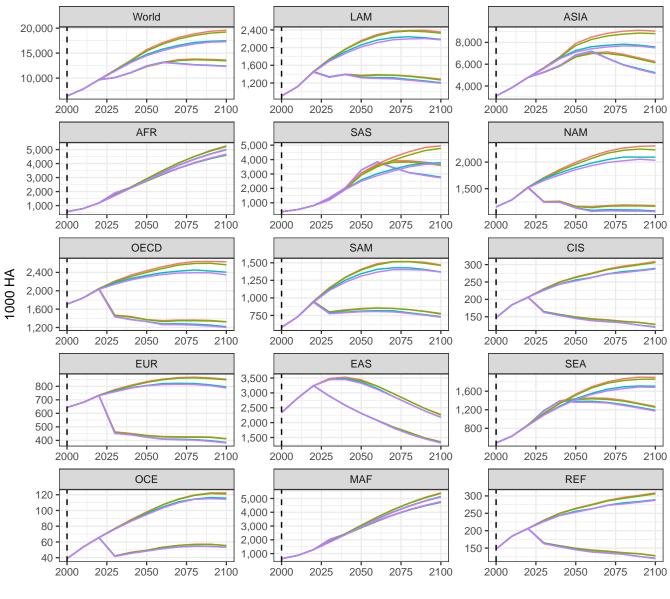
OTHU_PGMEAT_1000 T



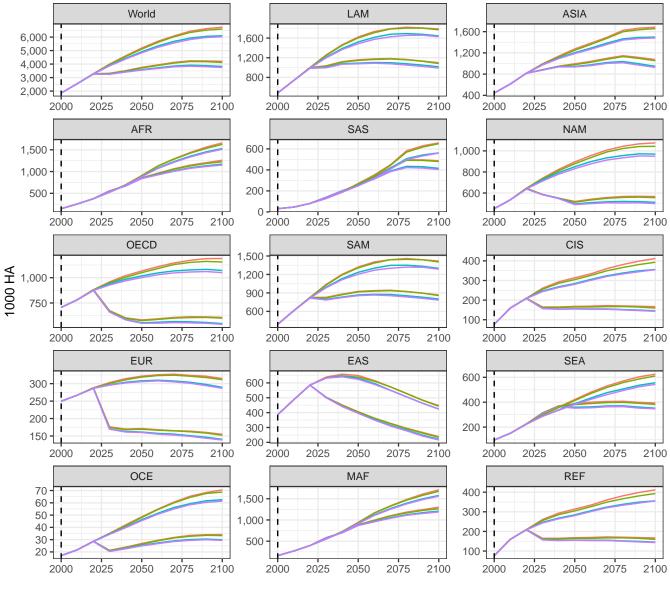
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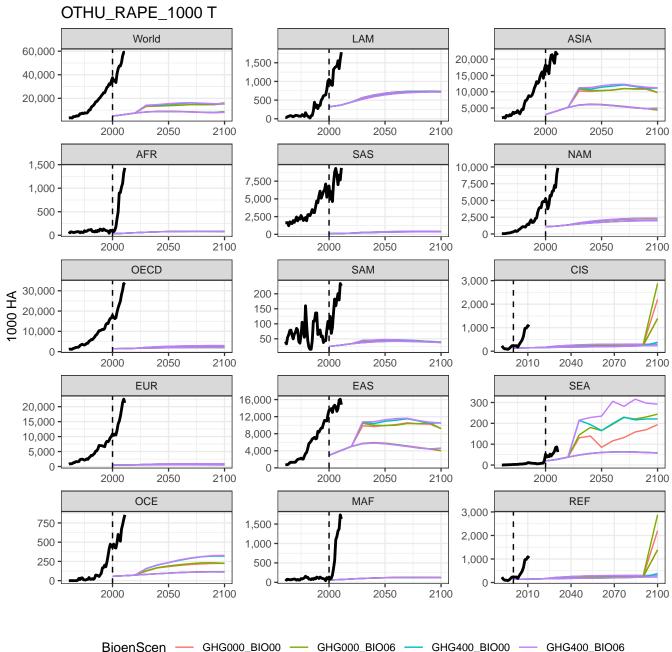


OTHU_PTEGGS_1000 T



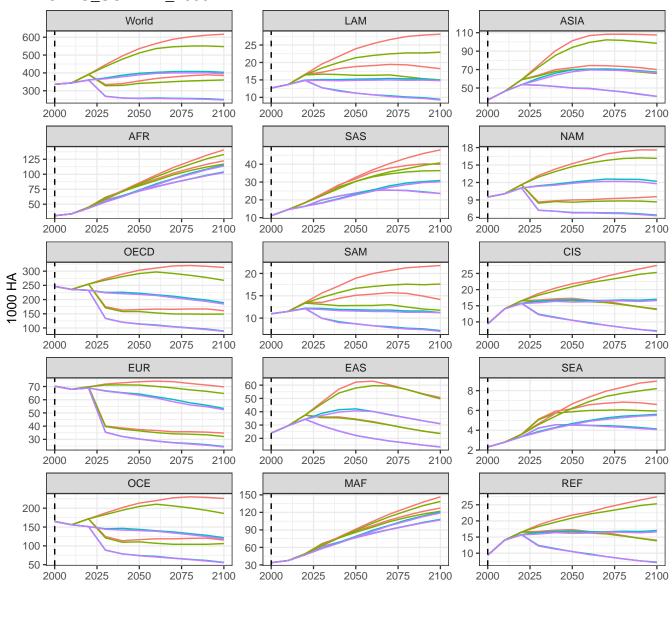
OTHU_PTMEAT_1000 T





OTHU_RICE_1000 T World LAM **ASIA** 5,000 -80,000 60,000 -4,000 -60,000 -3,000 -40,000 -40,000 2,000 -20,000 2050 2100 2050 2100 2050 2100 2000 2000 2000 AFR SAS NAM 3,000 -16,000 -10,000 12,000 -2,000 -5,000 8,000 -1,000 2050 2100 2000 2050 2100 2000 2050 2100 2000 OECD SAM CIS 225 5,000 -4,000 200 1000 HA 3,500 4,000 -175 3,000 -3,000 -2,500 150 2,000 -2,000 -125 1,000 -1,500 -2050 2100 2050 2100 2040 2070 2100 2000 2000 2010 **EUR** EAS SEA 500 40,000 -20,000 -400 30,000 -300 15,000 -20,000 -200 10,000 -10,000 100 2100 2050 2000 2050 2000 2100 2000 2050 2100 OCE MAF REF 15,000 -225 750 200 10,000 -175 500 5,000 -150 250 125 2040 2050 2100 2050 2010 2070 2000 2000 2100 2100

OTHU_SGMEAT_1000 T



OTHU_SOYA_1000 T World LAM **ASIA** 80,000 80,000 -200,000 -60,000 60,000 -150,000 -40,000 40,000 -100,000 -20,000 -20,000 50,000 -2050 2100 2100 2050 2100 2050 2000 2000 2000 AFR SAS NAM 60,000 12,000 -5,000 50,000 4,000 8,000 -40,000 3,000 -30,000 2,000 -4,000 -20,000 1,000 0 -10,000 0 2050 2100 2000 2050 2100 2000 2050 2100 2000 OECD SAM CIS 80,000 -2,000 -1000 HA 60,000 -60,000 -1,500 -40,000 -40,000 -1,000 20,000 -20,000 500 2050 2100 2050 2100 2040 2070 2100 2000 2000 2010 **EUR** EAS SEA 6,000 60,000 -15,000 40,000 -4,000 10,000 20,000 -2,000 5,000 2050 2100 2000 2050 2100 2000 2100 2000 2050 OCE MAF REF 150 6,000 -2,000 100 1,500 4,000 -1,000 50 2,000 -500 2050 2100 2050 2040 2000 2000 2100 2010 2070 2100

OTHU_SRGH_1000 T World LAM **ASIA** 25,000 3,000 -20,000 750 -15,000 -2,000 -500 10,000 -250 1,000 5,000 2050 2100 2050 2100 2050 2100 2000 2000 2000 AFR SAS NAM 2,500 20,000 2,000 1,000 -15,000 1,500 10,000 1,000 -500 5,000 500 0 2000 2050 2100 2000 2050 2100 2000 2050 2100 OECD SAM CIS 600 2,000 1,500 400 -1,000 200 -500 2050 2100 2000 2050 2100 2040 2070 2100 2000 2010 **EUR** EAS SEA 800 2,000 75 -600 1,500 50 -1,000 -400 500 -25 200 -2100 2050 2050 2000 2050 2100 2000 2100 2000 OCE MAF REF 20,000 -150 15,000 -6

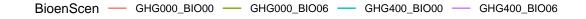
1000 HA

100

50

2000

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2050

2100

2010

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2070

2100

2000

10,000 -

5,000 -

2100

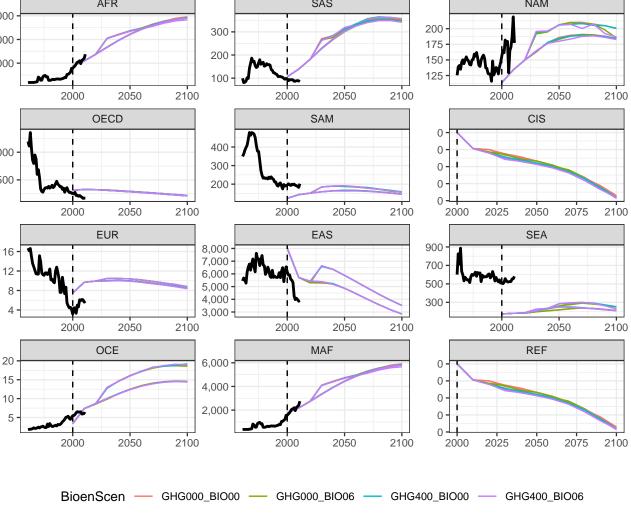
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OTHU_SUNF_1000 T World LAM ASIA 6,000 -30,000 -3,000 -20,000 -4,000 -2,000 -10,000 -2,000 -1,000 -2050 2100 2050 2100 2050 2100 2000 2000 2000 AFR SAS NAM 2,000 -1,500 1,500 -1,000 1,000 1,000 -500 500 500 -0 -2100 2050 2000 2050 2100 2000 2050 2100 2000 OECD SAM CIS 10,000 6,000 -1000 HA 7,500 -10,000 4,000 -5,000 -5,000 2,000 -2,500 2100 2050 2050 2100 2040 2070 2100 2000 2000 2010 **EUR** EAS SEA 8,000 1,500 -600 6,000 1,000 -400 -4,000 -200 500 -2,000 0 -2050 2050 2100 2000 2100 2000 2050 2100 2000 OCE MAF REF 4,000 -200 3,000 -10,000 2,000 -100 5,000 1,000 -0 -2050 2100 2050 2100 2010 2040 2100 2000 2000 2070

OTHU_SUNF_1000 T World LAM ASIA 6,000 -30,000 -3,000 -20,000 -4,000 -2,000 -10,000 -2,000 -1,000 -2050 2100 2050 2100 2050 2100 2000 2000 2000 AFR SAS NAM 2,000 -1,500 1,500 -1,000 1,000 1,000 -500 500 500 -0 -2100 2050 2000 2050 2100 2000 2050 2100 2000 OECD SAM CIS 10,000 6,000 -1000 HA 7,500 -10,000 4,000 -5,000 -5,000 2,000 -2,500 2100 2050 2050 2100 2040 2070 2100 2000 2000 2010 **EUR** EAS SEA 8,000 1,500 -600 6,000 1,000 -400 -4,000 -200 500 -2,000 0 -2050 2050 2100 2000 2100 2000 2050 2100 2000 OCE MAF REF 4,000 -200 3,000 -10,000 2,000 -100 5,000 1,000 -0 -2050 2100 2050 2100 2010 2040 2100 2000 2000 2070

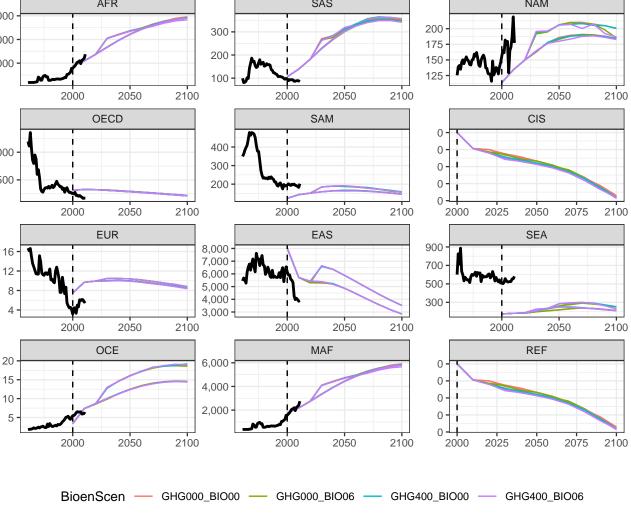
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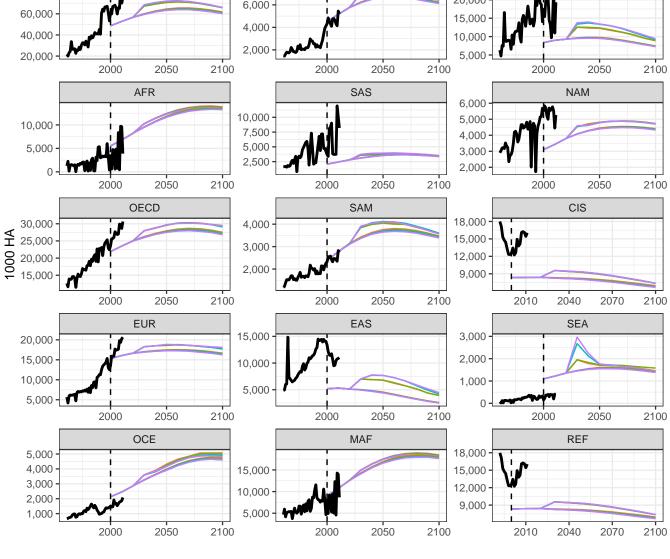


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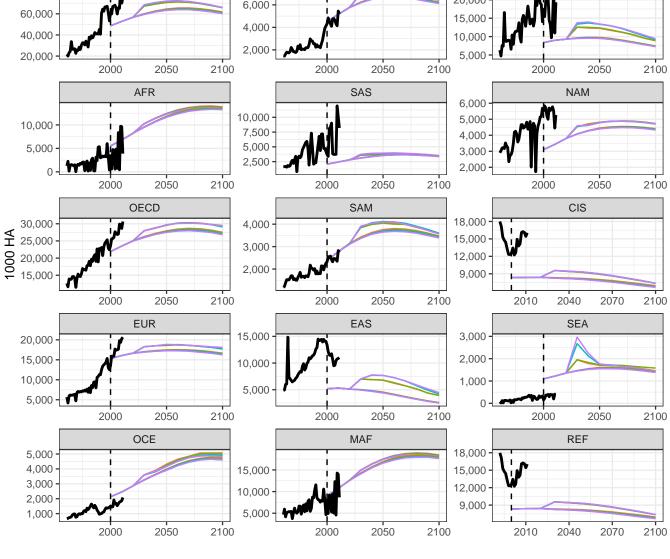
1000 HA



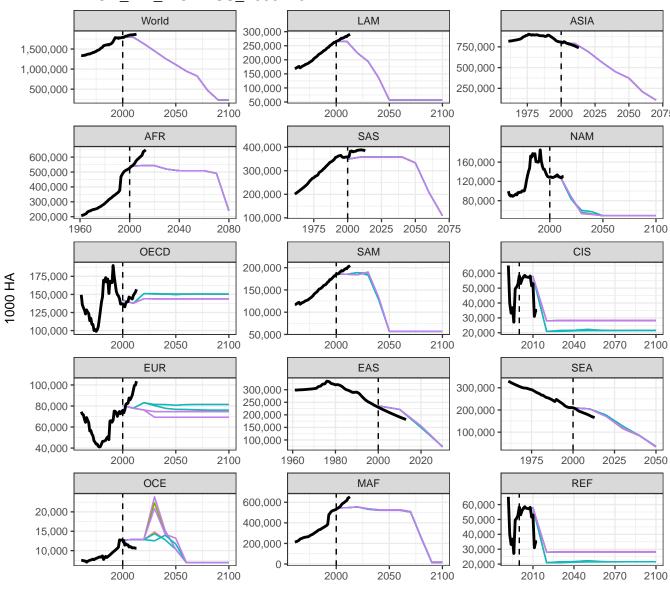
OTHU_WHEA_1000 T World LAM **ASIA** 80,000 20,000 -6,000 -15,000 -4,000 -10,000 2,000 5,000 2050 2100 2050 2100 2050 2100 2000 2000 2000 AFR SAS NAM 6,000 10,000 -5,000 -7,500 -4,000 5,000 -3,000 2,500 -2,000 0 -2000 2050 2100 2050 2100 2050 2100 2000 2000 **OECD** SAM CIS 18,000 4,000 -15,000 3,000 -12,000 2,000 -9,000 -2050 2050 2100 2100 2040 2070 2100 2000 2000 2010 **EUR** EAS SEA 15,000 -3,000 2,000 -10,000 -1,000 5,000 -2100 2050 2100 2050 2000 2100 2050 2000 2000



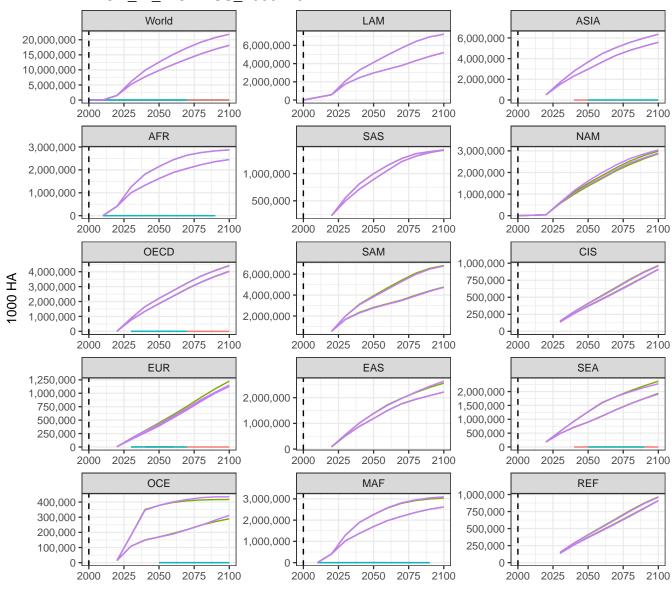
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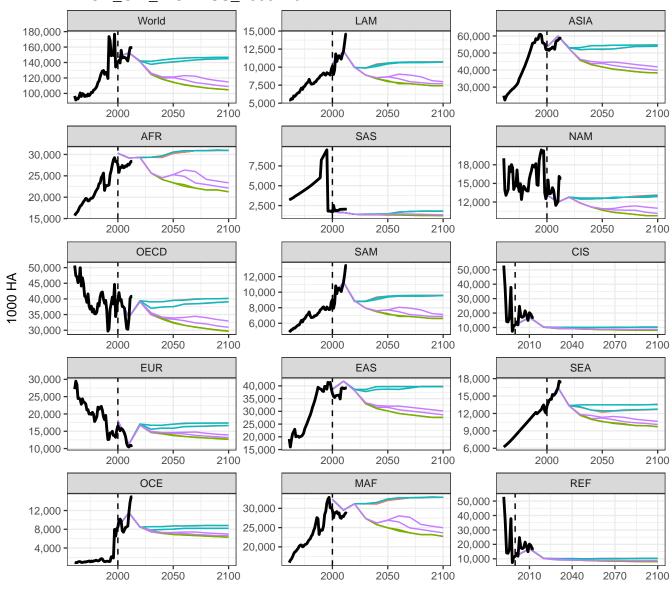
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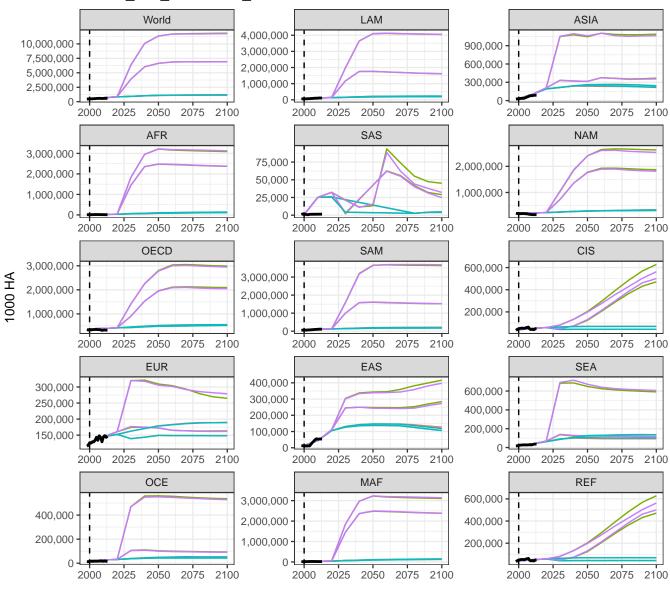
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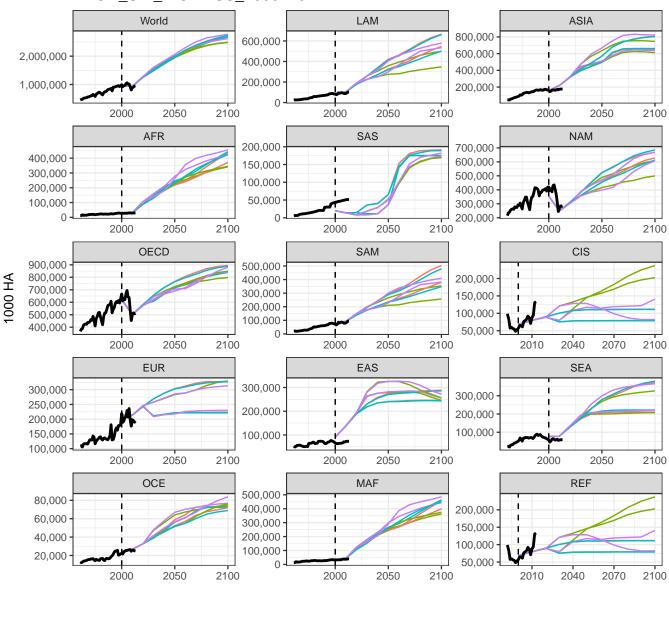
PROD_OW_BIOMASS_1000 M3



PROD_PW_BIOMASS_1000 M3



PROD SW BIOMASS 1000 M3



PROD_ALMILK_1000 T World LAM **ASIA** 600,000 125,000 100,000 400,000 1,000,000 75,000 50,000 -200,000 500,000 25,000 2050 2100 2050 2050 2100 2000 2000 2100 2000 AFR SAS NAM 200,000 180,000 400,000 150,000 150,000 300,000 100,000 120,000 200,000 50,000 90,000 100,000 2000 2050 2100 2000 2050 2100 2000 2050 2100 OECD SAM CIS 450,000 80,000 75,000 400,000 70,000 350,000 60,000 50,000 300,000 50,000 250,000 -25.000 40,000 200,000 2050 2100 2000 2050 2100 2010 2070 2100 2000 2040 **EUR** EAS SEA 125,000 240,000 100,000 60,000 -75,000 200,000 40,000 -50,000 160,000 -20,000 25,000 120,000 0 -2100 2000 2050 2100 2000 2050 2100 2050 2000 OCE MAF REF 200,000 80,000 -60,000

1000 HA

40,000

20,000



2050

2000

150,000

100,000

50.000

2100

2050

2000

70,000

60,000

50,000 -

40,000

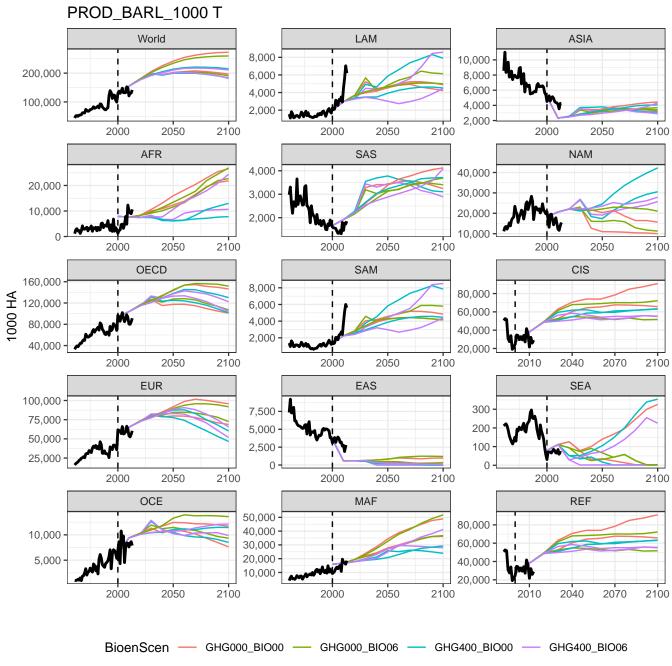
2010

2100

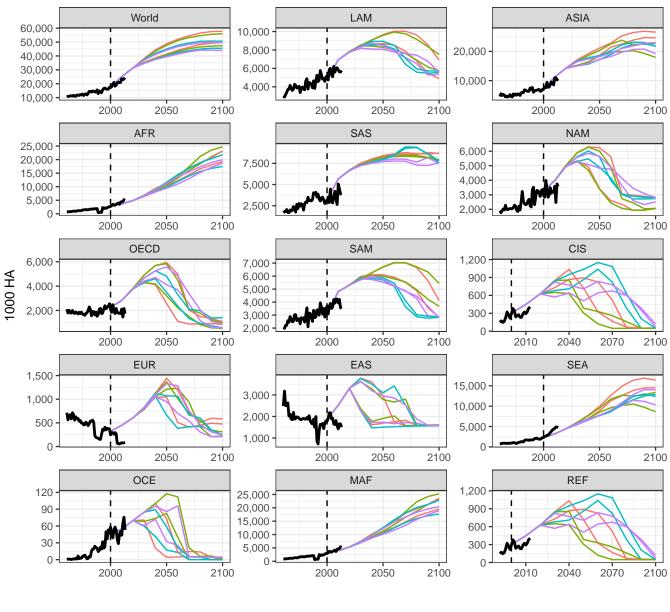
2070

2040

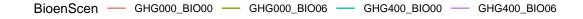
2100

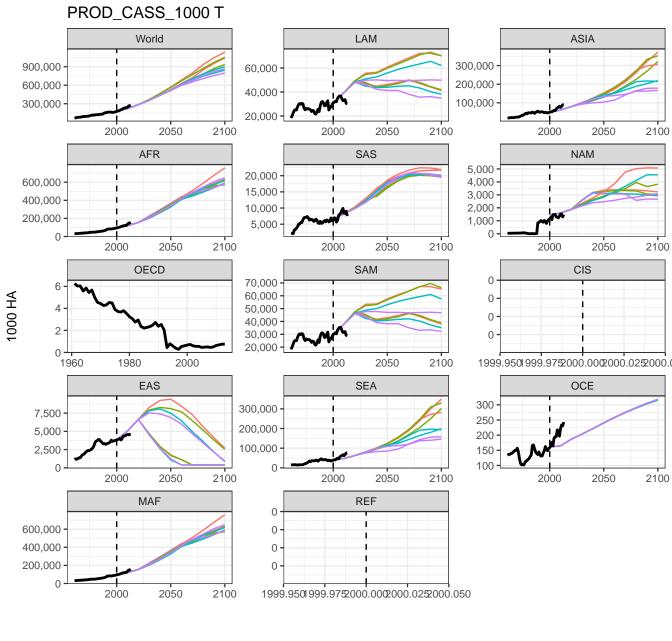


PROD_BEAD_1000 T

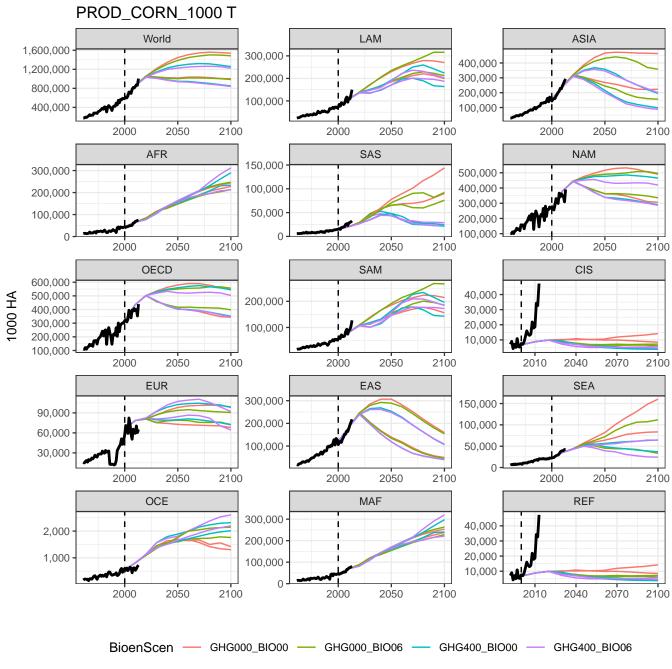


PROD_BVMEAT_1000 T World LAM **ASIA** 125,000 30,000 30,000 -100,000 -20,000 75,000 -20,000 -10,000 50,000 -10,000 -25,000 2100 2050 2100 2050 2100 2000 2050 2000 2000 AFR SAS NAM 25,000 10,000 -15,000 -7,500 20,000 10,000 5,000 -15,000 5,000 2,500 -10,000 2000 2050 2100 2000 2050 2100 2050 2100 2000 OECD SAM CIS 7,000 6,000 35,000 -1000 HA 20,000 -30,000 -5,000 25,000 -4,000 10,000 -3,000 20,000 -2,000 15,000 -2000 2050 2100 2050 2040 2070 2100 2000 2100 2010 **EUR** EAS SEA 15,000 -6,000 15,000 10,000 -4,000 5,000 -10,000 2,000 2100 2000 2050 2100 2000 2050 2100 2000 2050 OCE REF MAF 7,000 15,000 -6,000 3,000 5,000 10,000 -2,000 4,000 3,000 5,000 -1,000 2,000 2050 2040 2070 2100 2000 2050 2100 2000 2100 2010

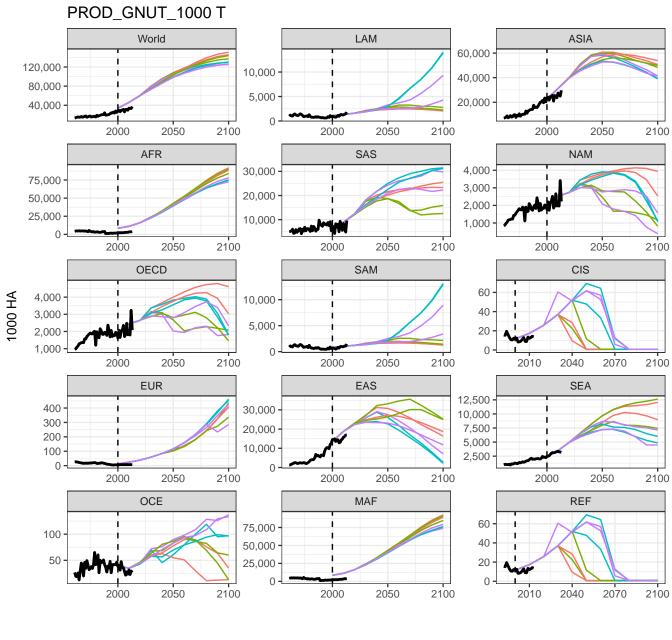




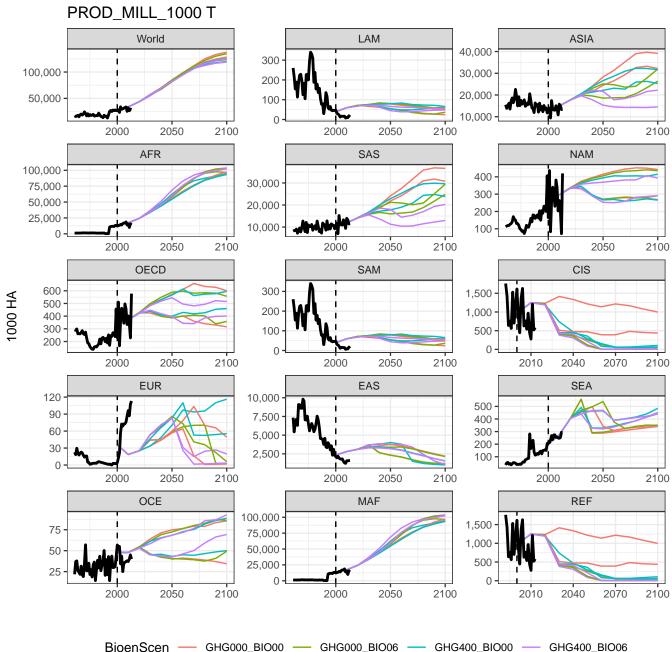
PROD_CHKP_1000 T World LAM **ASIA** 25,000 16,000 900 -20,000 12,000 -600 -15,000 -8,000 10,000 300 -2050 2100 2050 2100 2050 2100 2000 2000 2000 AFR SAS NAM 15,000 -6,000 900 12,000 -4,000 600 9,000 -2,000 -6,000 -300 0 -2000 2050 2100 2050 2100 2000 2050 2100 2000 OECD SAM CIS 4,000 150 **-**1000 HA 300 3,000 100 200 2,000 50 -100 1,000 0 1 2050 2100 1960 1980 1995 2005 2000 2000 2000 2010 **EUR** EAS SEA 1,500 1,600 4,000 1,200 1,000 3,000 -2,000 -800 500 1,000 -400 0 0 -1960 2050 2100 1980 2000 2050 2100 2000 2000 OCE MAF REF 2,500 7,500 -2,000 300 1,500 5,000 -200 1,000 2,500 -500 100 2050 2100 2050 1995 2005 2010 2000 2000 2100 2000

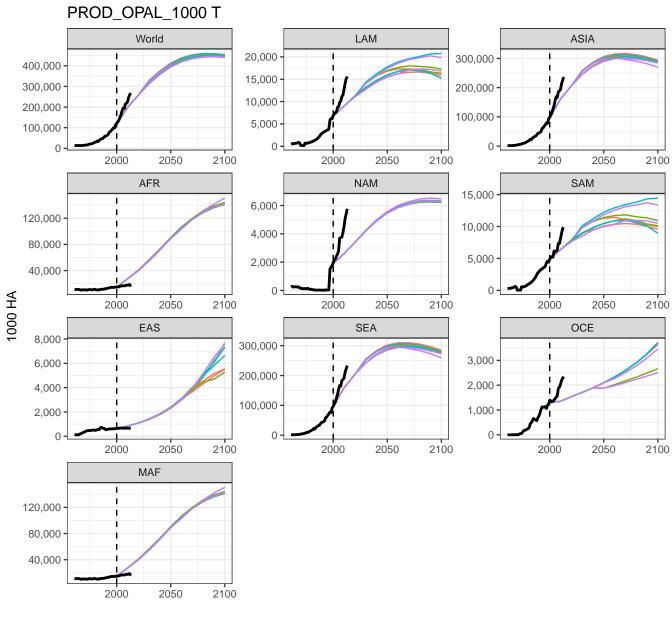


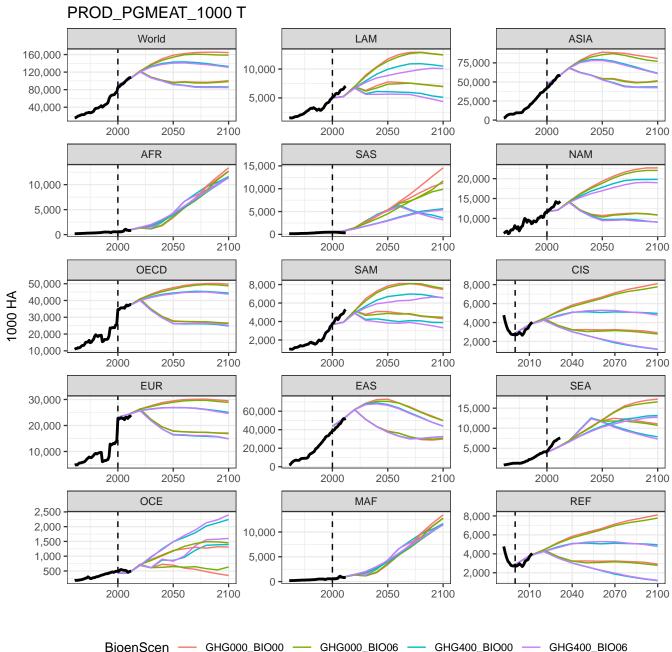
PROD_COTT_1000 T World LAM **ASIA** 30,000 -150,000 -75,000 20,000 -100,000 -50,000 10,000 -25,000 50,000 -2100 2100 2050 2100 2050 2050 2000 2000 2000 AFR SAS NAM 40,000 -60,000 -30,000 10,000 40,000 -20,000 -20,000 -5,000 10,000 -0 2000 2050 2100 2050 2100 2050 2100 2000 2000 OECD SAM CIS 12,500 25,000 -1000 HA 10,000 20,000 -20,000 -7,500 15,000 -10,000 -5,000 10,000 -2,500 2050 2100 2050 2100 2040 2070 2100 2000 2000 2010 **EUR** EAS SEA 800 2,000 30,000 -1,500 -600 20,000 -1,000 -400 500 10,000 -200 0 2000 2050 2100 2000 2050 2100 2050 2100 2000 OCE MAF REF 12,500 40,000 -10,000 -10,000 30,000 -7,500 -5,000 -20,000 -5,000 10,000 -2,500 2050 2050 2100 2010 2040 2100 2000 2100 2000 2070



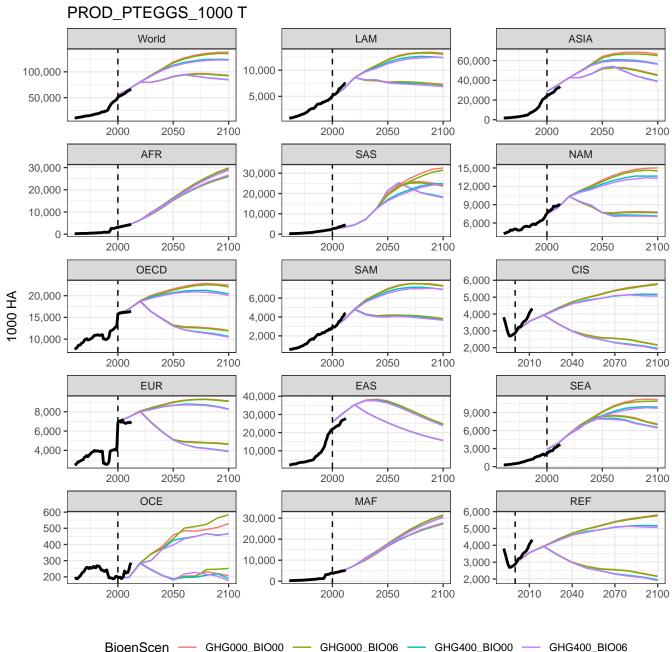
BioenScen — GHG000_BI000 — GHG000_BI006 — GHG400_BI000 — GHG400_BI006





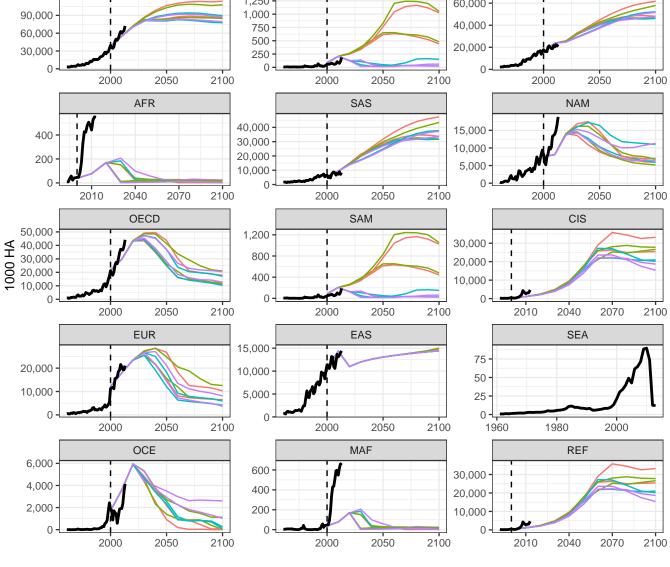


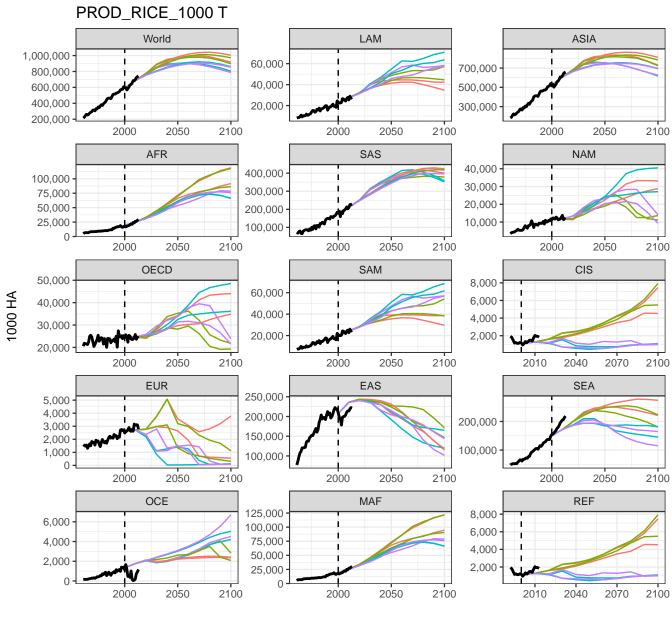
PROD_POTA_1000 T World LAM **ASIA** 50,000 -250,000 600,000 -200,000 40,000 -150,000 30,000 -400,000 -100,000 20,000 -200,000 50,000 10,000 2100 2100 2050 2000 2050 2100 2000 2050 2000 AFR SAS NAM 125,000 150,000 -90,000 100,000 100,000 -75,000 60,000 50,000 50,000 -30,000 -25,000 0 0 . 2000 2050 2100 2000 2050 2100 2000 2050 2100 **OECD** SAM CIS Y 200,000 - 150,000 - 100,000 -40,000 -125,000 30,000 -100,000 20,000 -75,000 10,000 -50,000 50,000 2050 2100 2050 2040 2070 2100 2000 2000 2100 2010 **EUR** EAS SEA 125,000 100,000 -15,000 100,000 -75,000 10,000 50,000 -50,000 5,000 25,000 0 . 2050 2050 2100 2000 2100 2000 2050 2100 2000 OCE MAF REF 125,000 6,000 125,000 100,000 -4,000 75,000 -100,000 -50,000 -75,000 2,000 -25,000 50,000 2050 2050 2100 2010 2040 2100 2000 2100 2000 2070



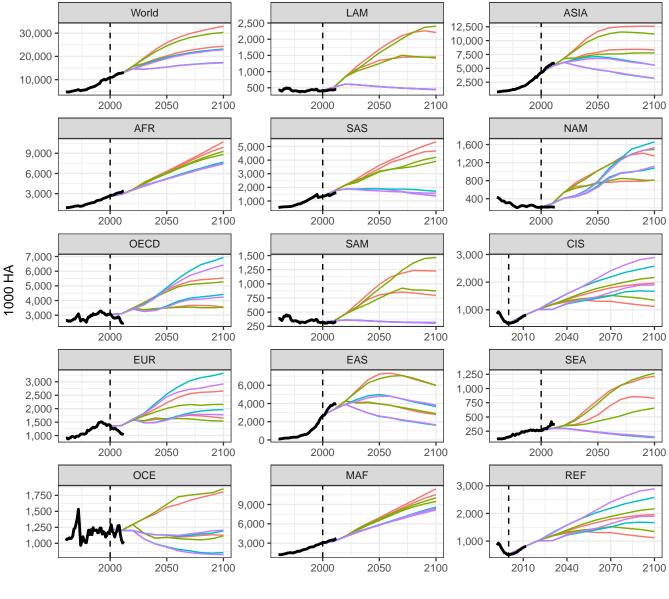
PROD_PTMEAT_1000 T World LAM **ASIA** 250.000 200,000 60,000 30,000 -150,000 -40,000 20,000 -100,000 -10,000 -20,000 50,000 2050 2100 2050 2100 2050 2100 2000 2000 2000 AFR SAS NAM 60,000 -40,000 30,000 -30,000 40,000 20,000 -20,000 20,000 -10,000 -10,000 0 -0 -2050 2000 2050 2100 2000 2100 2000 2050 2100 OECD SAM CIS 12,000 60,000 1000 HA 20,000 -9,000 40,000 6,000 10,000 -20,000 3,000 2000 2050 2100 2000 2050 2100 2010 2040 2070 2100 **EUR** EAS SEA 20,000 20,000 -20,000 -15,000 15,000 10,000 10,000 10,000 -5,000 5,000 0 2050 2050 2100 2000 2100 2000 2100 2000 2050 OCE REF MAF 12,000 3,000 60,000 -9,000 -2,000 40,000 -6,000 -1,000 20,000 -3.000 0 2050 2100 2050 2010 2040 2100 2000 2000 2100 2070

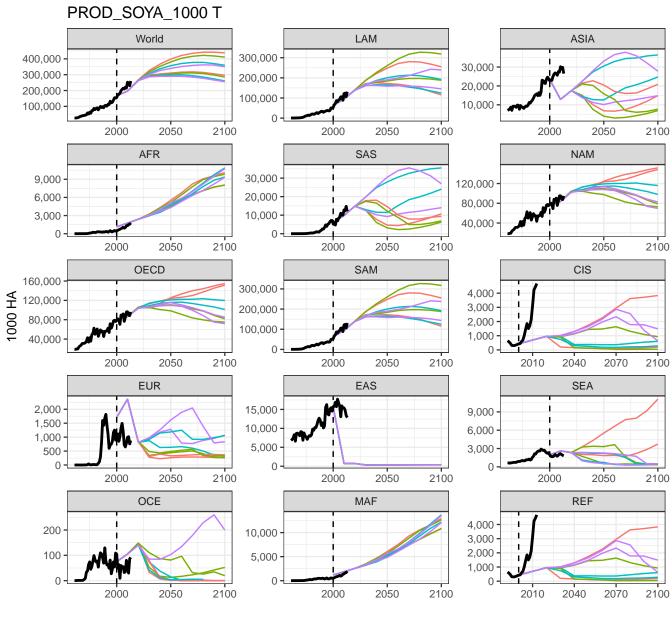
PROD_RAPE_1000 T World LAM ASIA 1,250 -60,000 1,000 -40,000 -750 -500 -20,000 -250 -2050 2100 2050 2100 2000 2050 2100 2000 2000 AFR SAS NAM 40,000 -15,000 30,000 -10,000 -20,000 -5,000 10,000 -2050 2010 2040 2070 2100 2000 2100 2000 2050 2100 OECD SAM CIS 1,200 -30,000 -800 -20,000 -400 -10,000 -2000 2050 2100 2050 2100 2040 2070 2100 2000 2010 **EUR** EAS SEA 15,000 -75 -10,000 -50 . 5,000 25 · 0





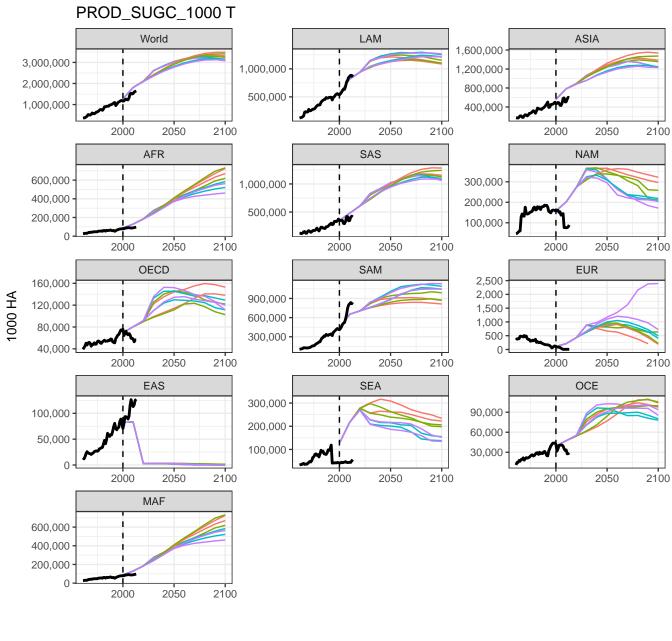
PROD_SGMEAT_1000 T



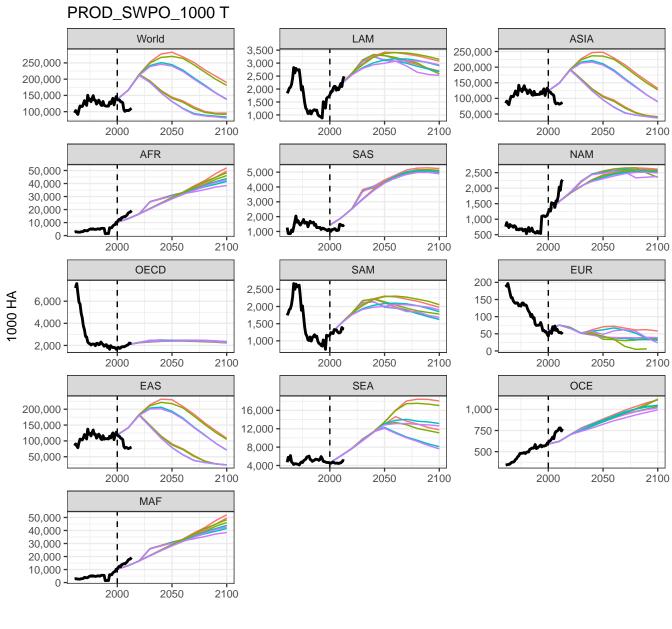


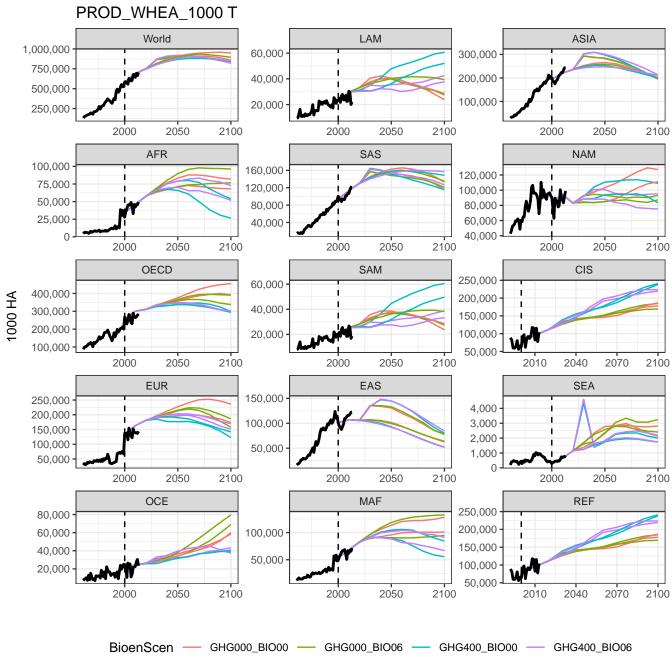
BioenScen — GHG000_BIO00 — GHG000_BIO06 — GHG400_BIO00 — GHG400_BIO06

PROD_SRGH_1000 T World LAM **ASIA** 25,000 250,000 25,000 -20,000 200,000 -20,000 -15,000 150,000 15,000 -10,000 100,000 -5,000 10,000 50,000 -2100 2100 2100 2050 2050 2050 2000 2000 2000 AFR SAS NAM 25,000 150,000 60,000 20,000 50,000 100,000 40,000 15,000 30,000 50,000 10,000 20,000 0 5,000 10,000 2000 2050 2100 2050 2100 2000 2050 2100 2000 OECD SAM CIS 15,000 60,000 1000 HA 400 10,000 40,000 200 5,000 20,000 2050 2100 2050 2100 2040 2070 2100 2000 2000 2010 **EUR** EAS SEA 400 7,500 3,000 -300 2,000 -5,000 200 1,000 -100 2,500 0 -2050 2050 2000 2100 2000 2100 2000 2050 2100 OCE MAF REF 150,000 4,000 3,000 -400 100,000 2,000 200 50,000 1,000 0 2050 2100 2000 2050 2010 2040 2100 2000 2100 2070

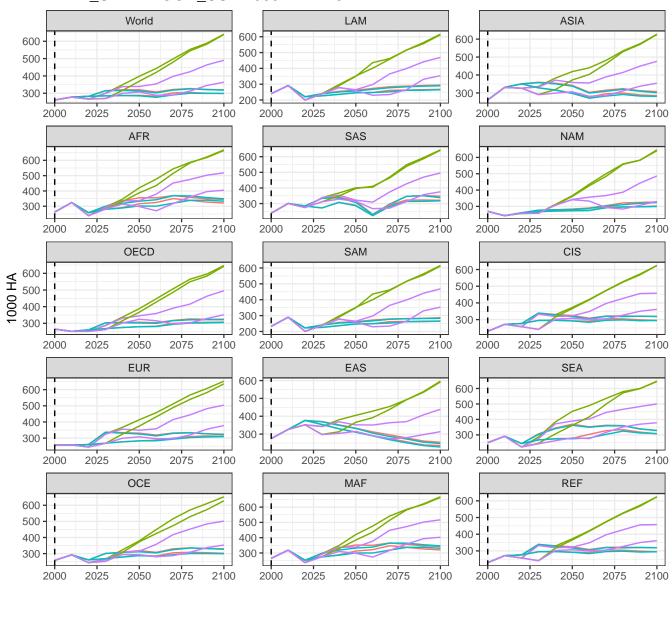


PROD_SUNF_1000 T World LAM **ASIA** 6,000 60,000 20,000 -4,000 -40,000 10,000 -2,000 -20,000 -2050 2100 2050 2100 2050 2100 2000 2000 2000 AFR SAS NAM 2,500 -3,000 9,000 2,000 -1,500 -2,000 6,000 1,000 -1,000 3,000 -500 -0 2050 2100 2000 2050 2100 2050 2100 2000 2000 OECD SAM CIS 15,000 -10,000 -5,000 -20,000 20,000 -15,000 -10,000 -10,000 -5,000 2050 2100 2050 2100 2010 2040 2070 2100 2000 2000 **EUR** EAS SEA 6,000 10,000 2,000 -7,500 4,000 -1,500 -5,000 1,000 -2,000 -2,500 500 2050 2000 2100 2050 2100 2000 2025 2050 2075 2100 2000 OCE MAF REF 300 15,000 -20,000 -15,000 -200 10,000 -10,000 -100 5,000 -5,000 2050 2100 2050 2100 2010 2040 2100 2000 2000 2070

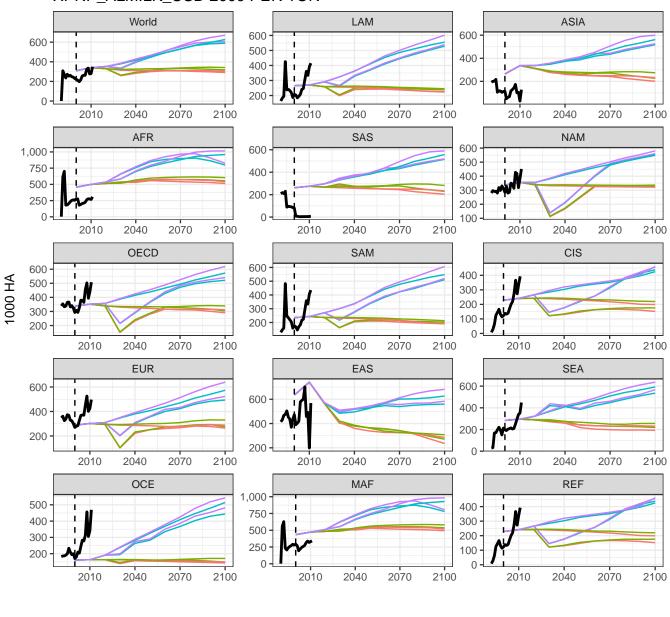




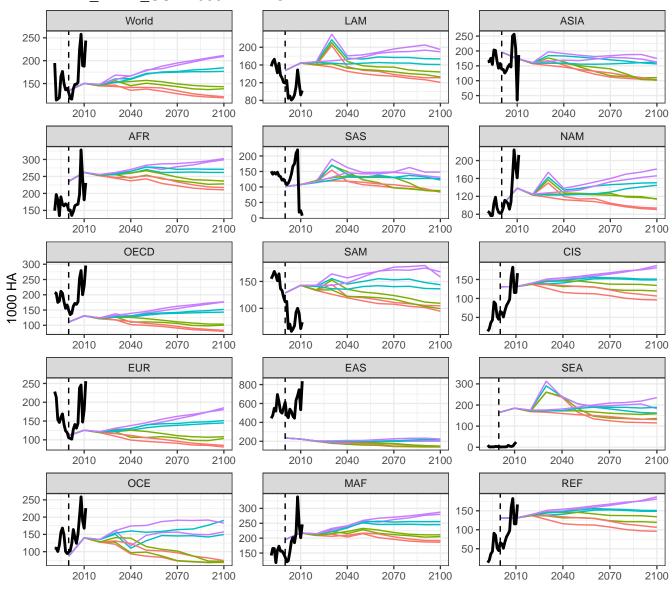
XPRP_SAWNWOOD_USD 2000 PER M3



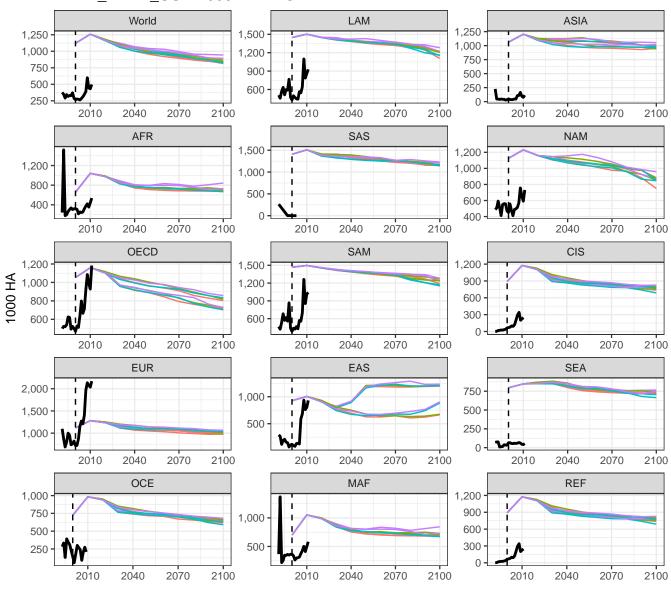
XPRP_ALMILK_USD 2000 PER TON



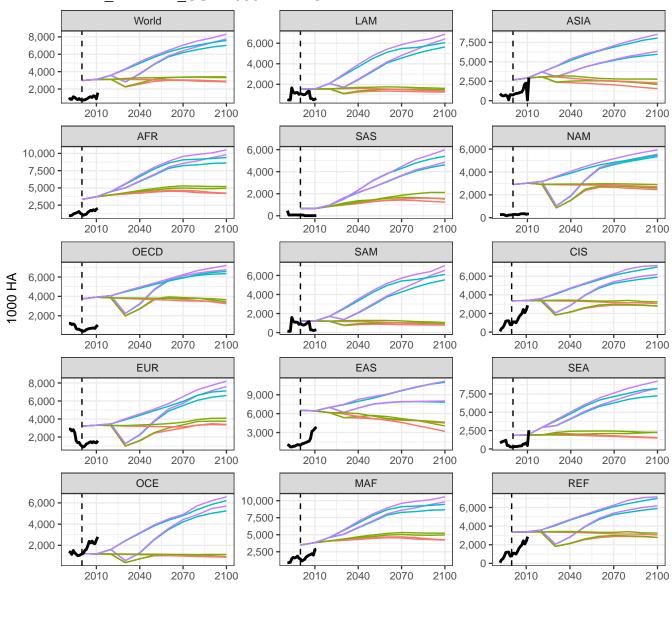
XPRP_BARL_USD 2000 PER TON



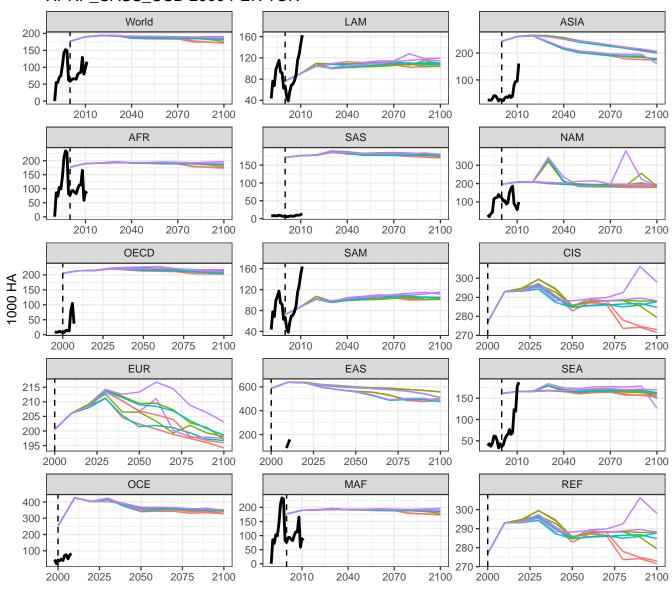
XPRP_BEAD_USD 2000 PER TON



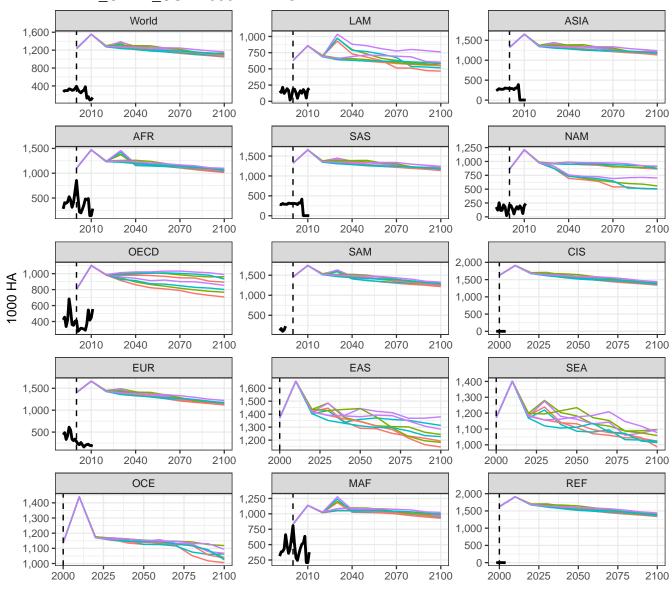
XPRP_BVMEAT_USD 2000 PER TON



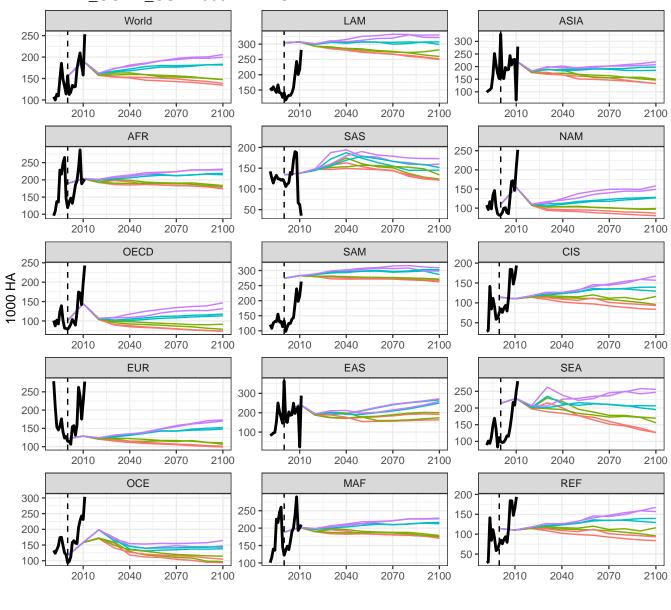
XPRP_CASS_USD 2000 PER TON



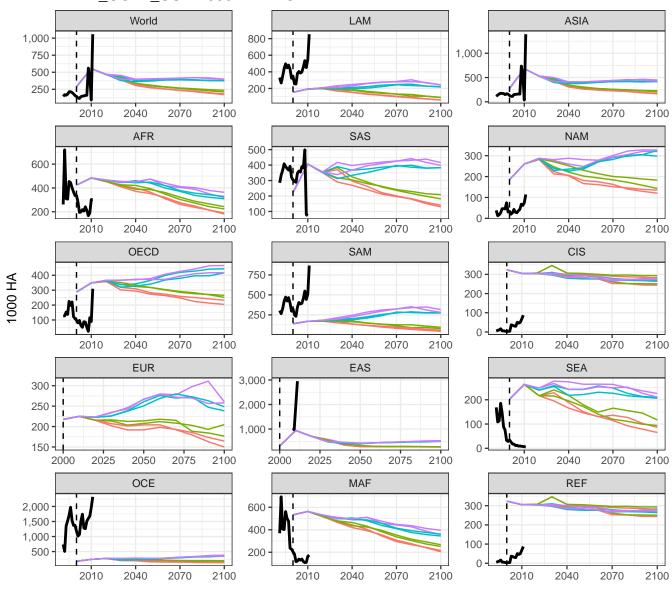
XPRP_CHKP_USD 2000 PER TON



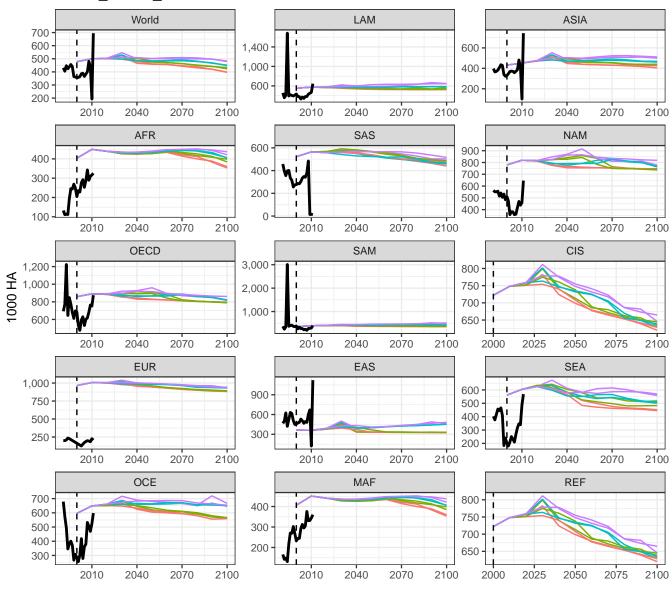
XPRP_CORN_USD 2000 PER TON



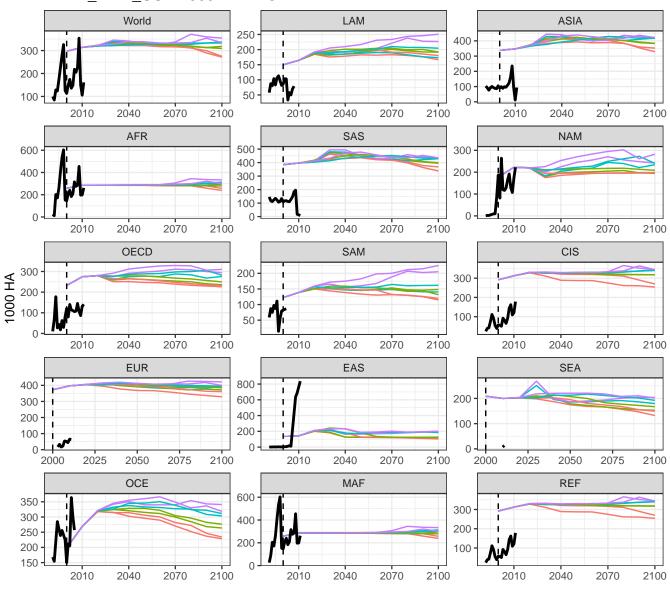
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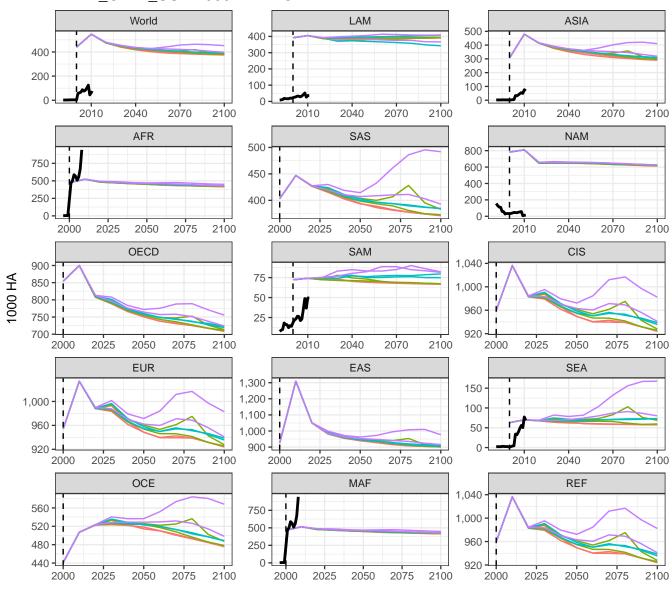
XPRP_GNUT_USD 2000 PER TON



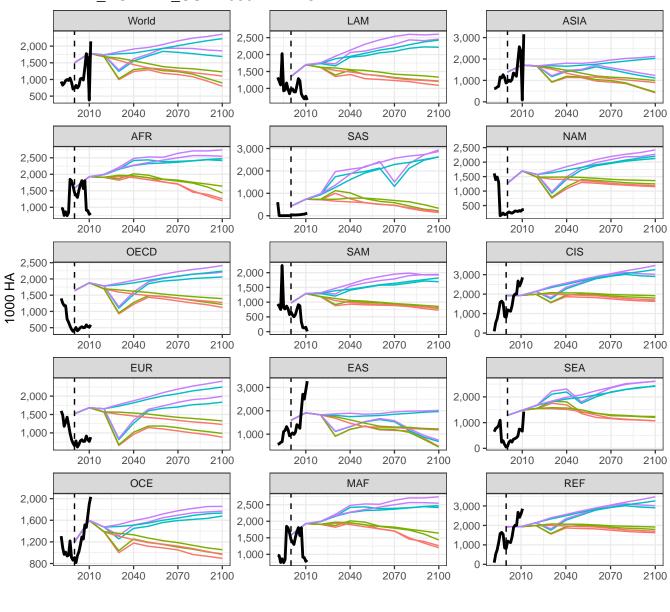
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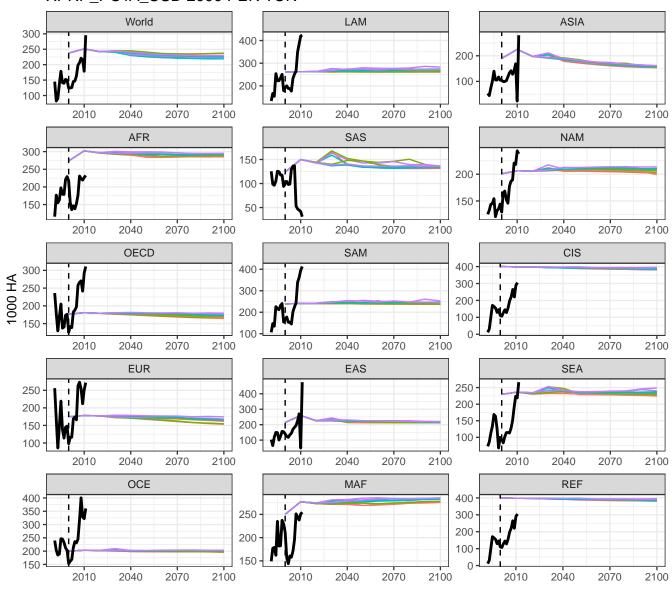
XPRP OPAL USD 2000 PER TON



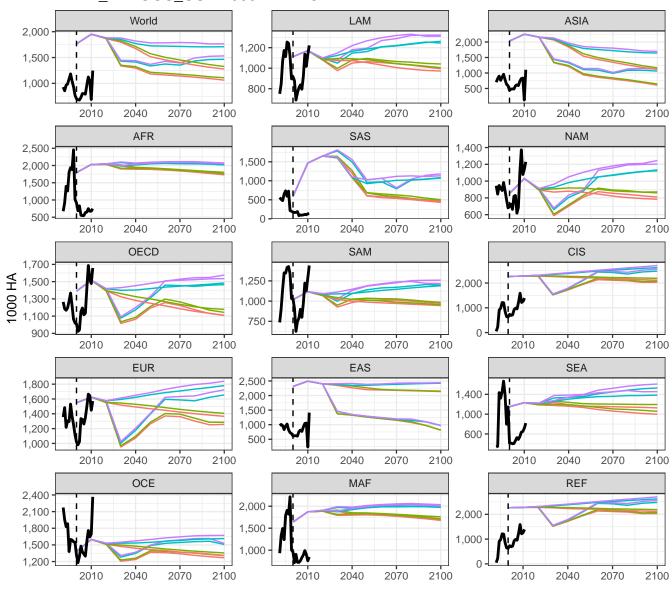
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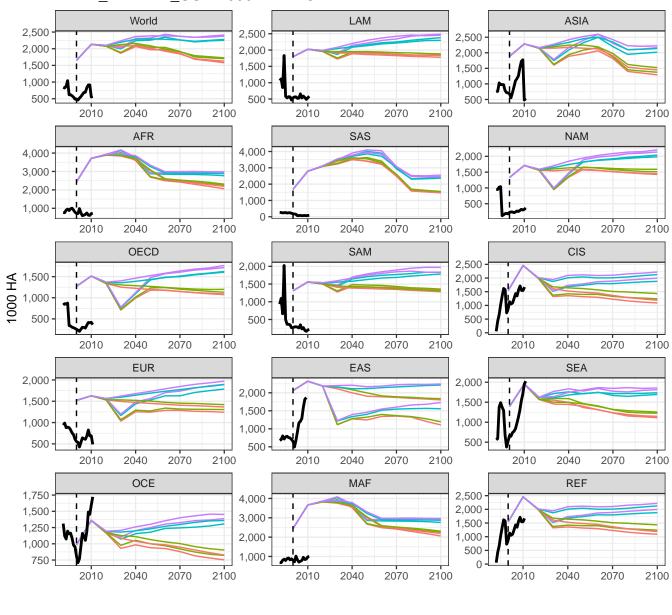
XPRP_POTA_USD 2000 PER TON



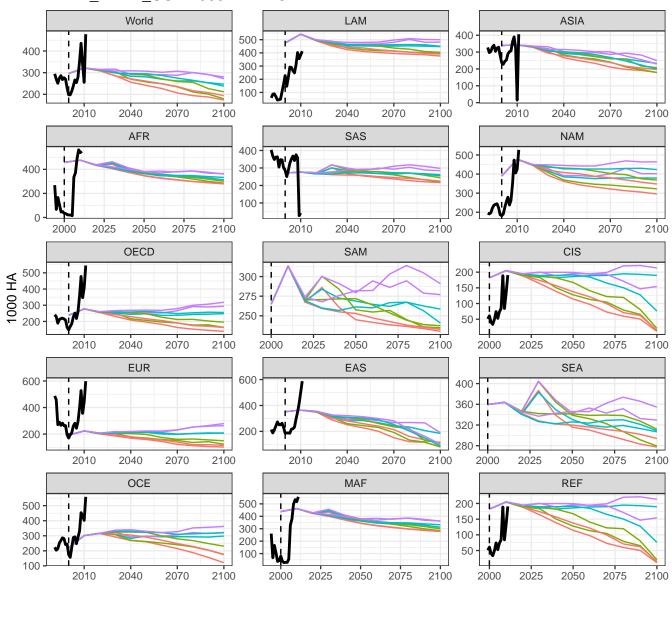
XPRP_PTEGGS_USD 2000 PER TON



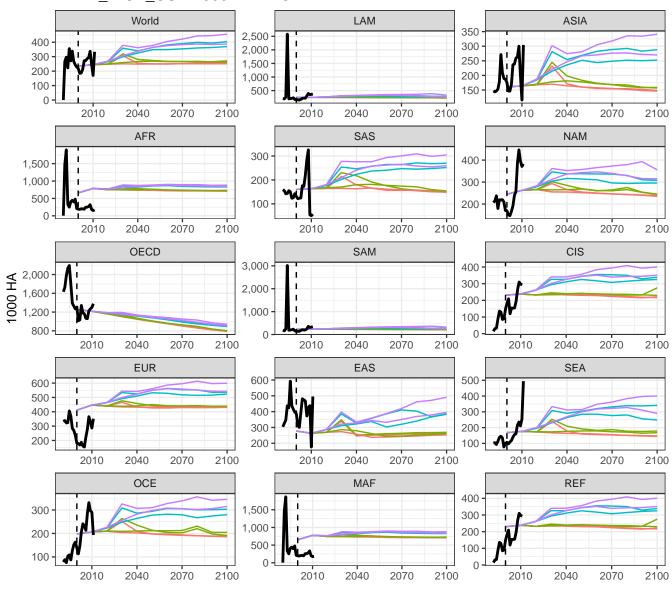
XPRP_PTMEAT_USD 2000 PER TON



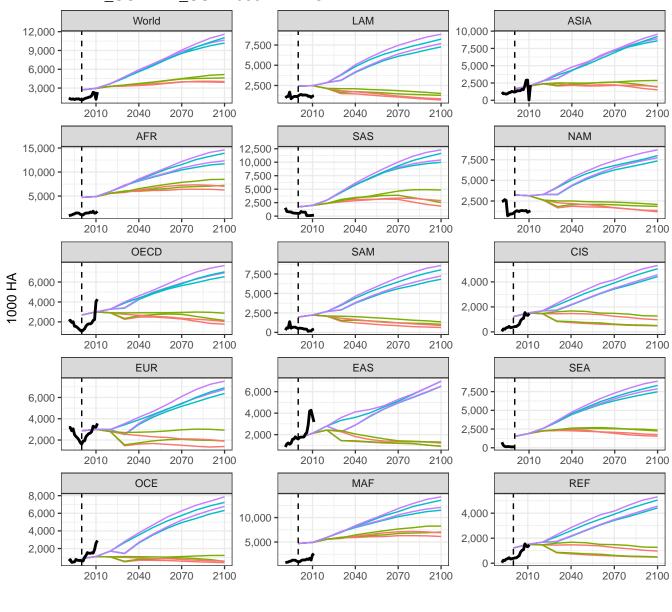
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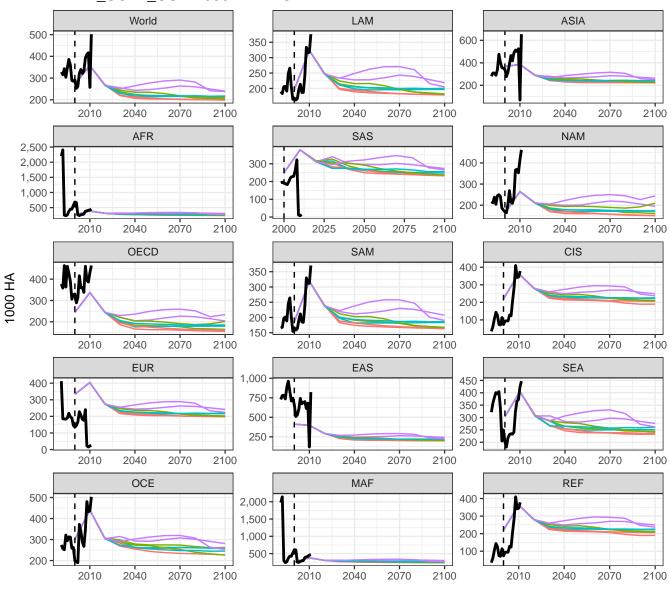
XPRP_RICE_USD 2000 PER TON



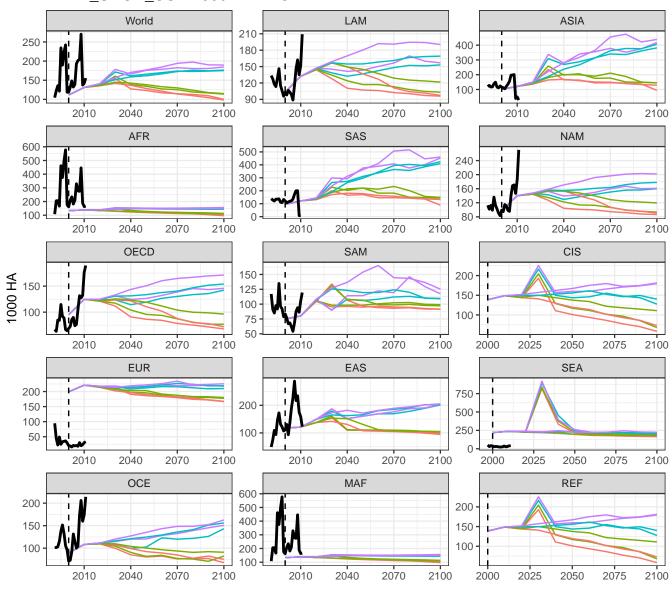
XPRP_SGMEAT_USD 2000 PER TON



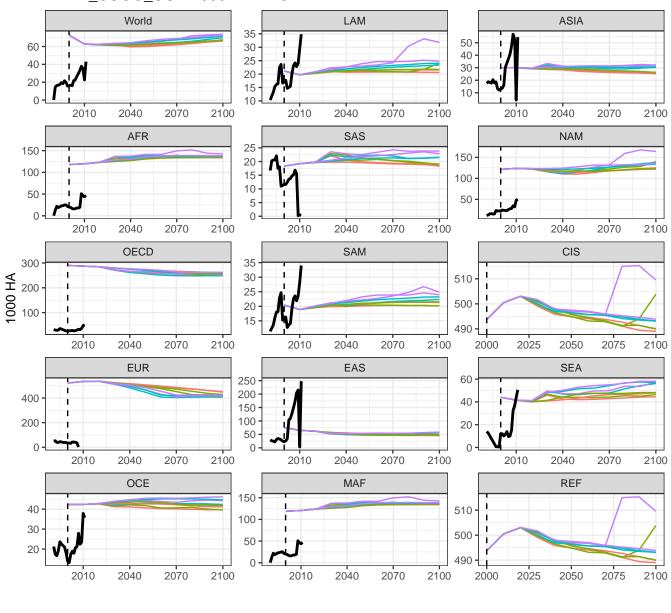
XPRP SOYA USD 2000 PER TON



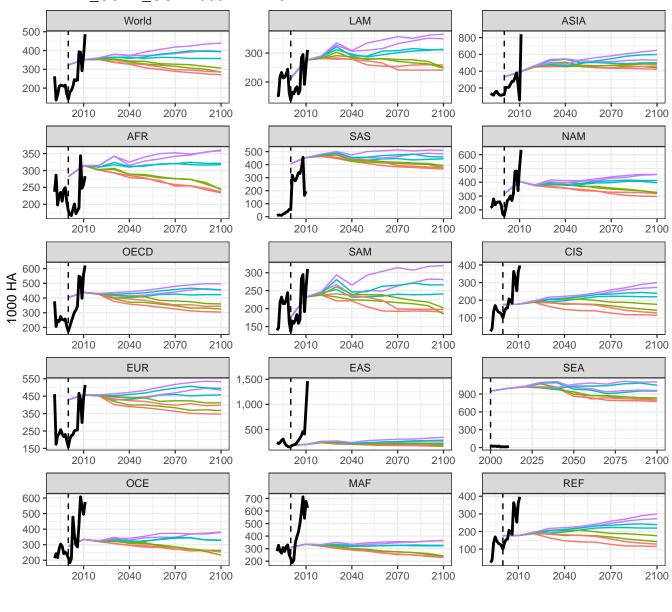
XPRP_SRGH_USD 2000 PER TON



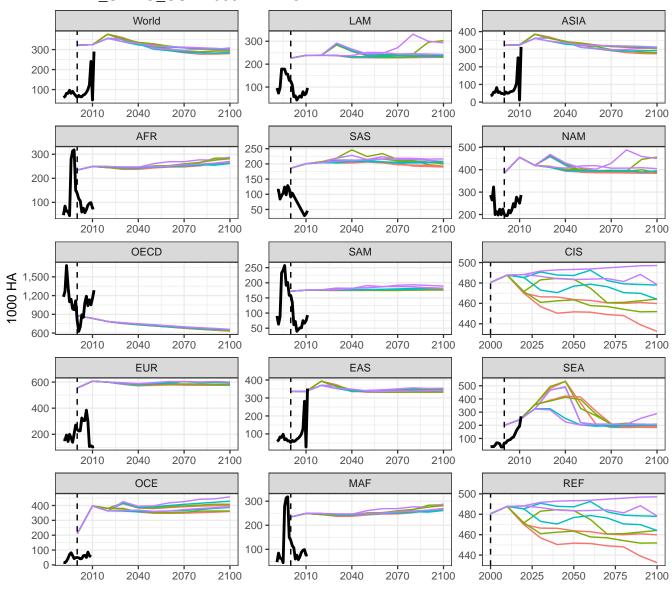
XPRP_SUGC_USD 2000 PER TON



XPRP_SUNF_USD 2000 PER TON



XPRP SWPO USD 2000 PER TON



XPRP_WHEA_USD 2000 PER TON

