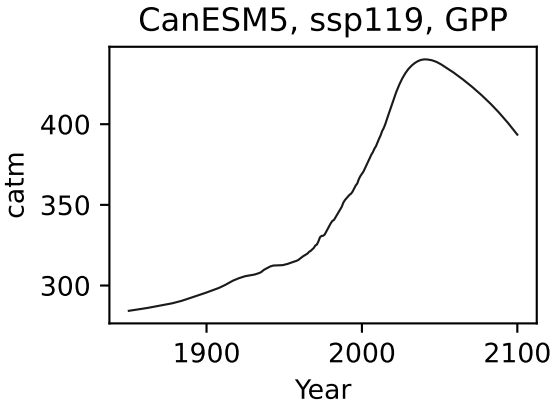
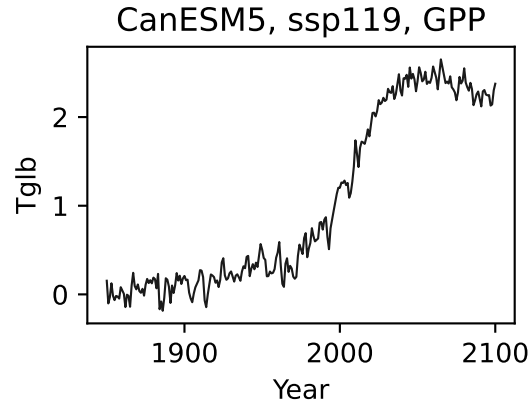
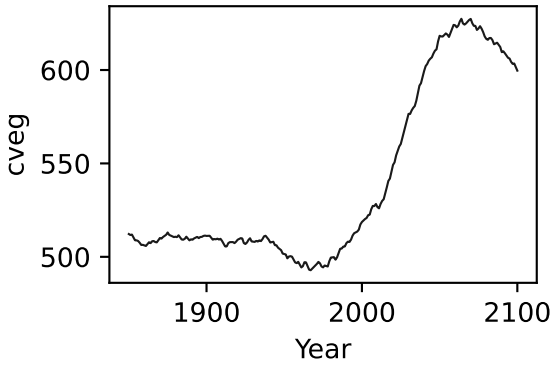
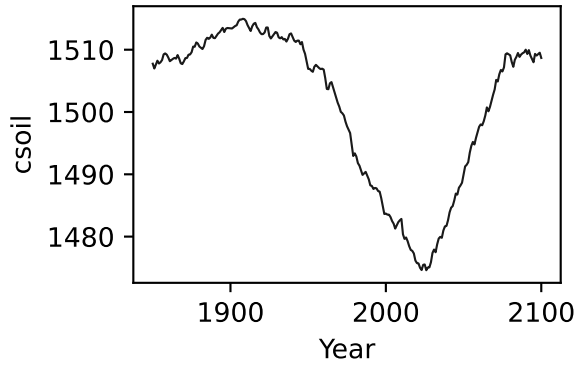
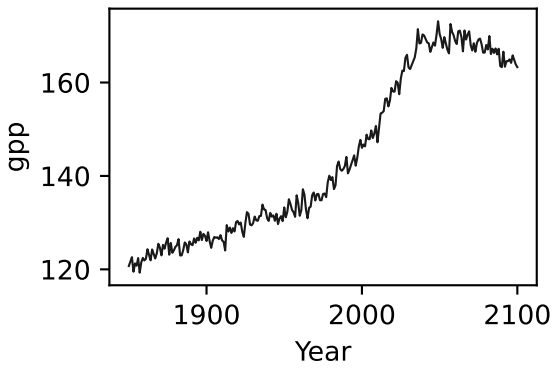
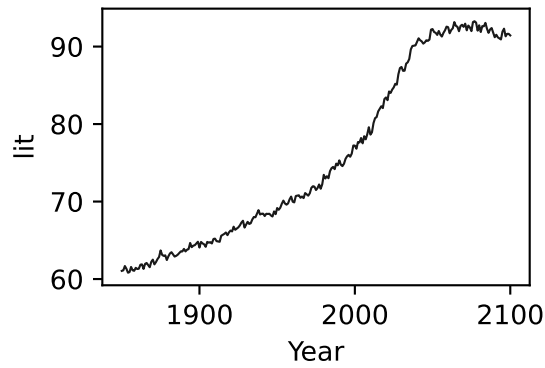

CanESM5, ssp119, GPP
catm
400
350
300
1900
2000
2100
Year

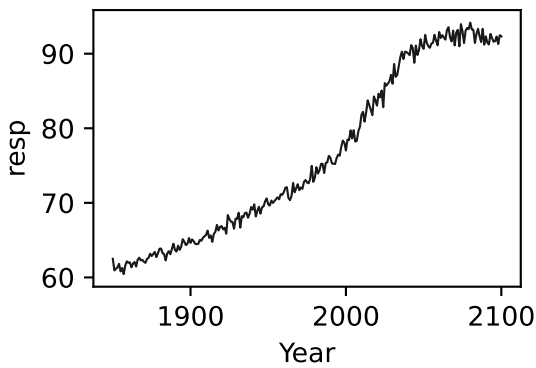

CanESM5, ssp119, GPP
Tglb
2
1
0
1900
2000
2100
Year

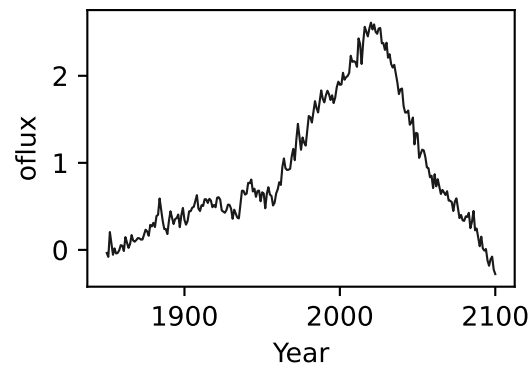

cveg
600
550
500
1900
2000
2100
Year

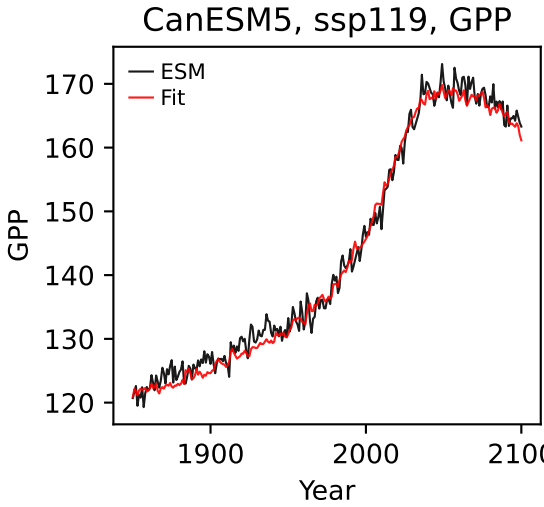

csoil
1510
1500
1490
1480
1900
2000
2100
Year

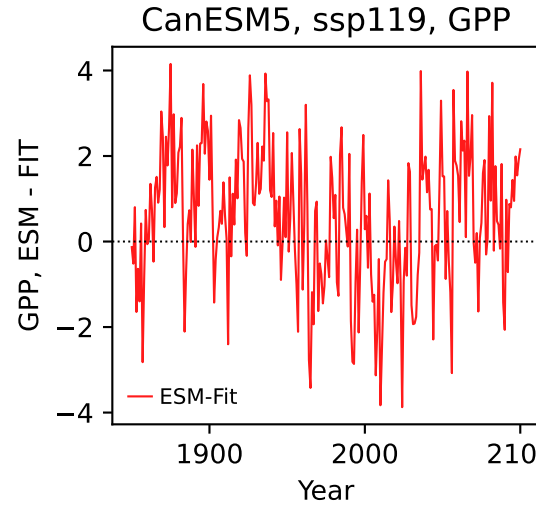

gpp
160
140
120
1900
2000
2100
Year

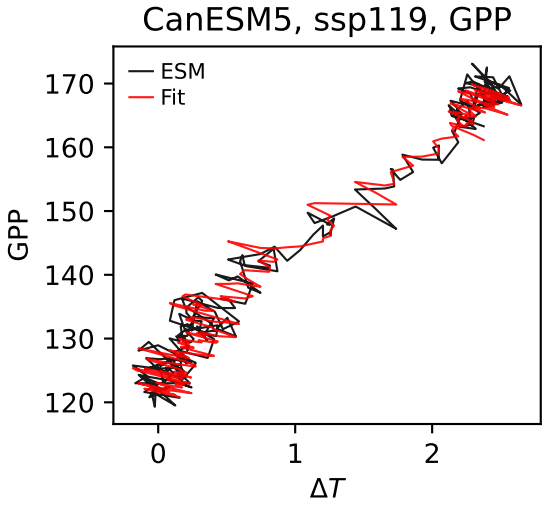

lit
90
80
70
60
1900
2000
2100
Year

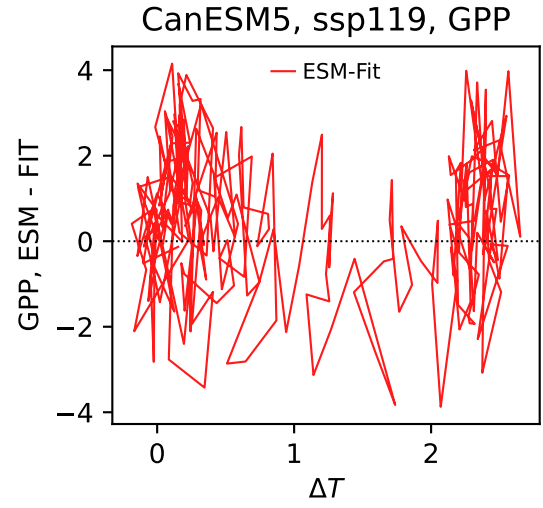

resp
90
80
70
60
1900
2000
2100
Year

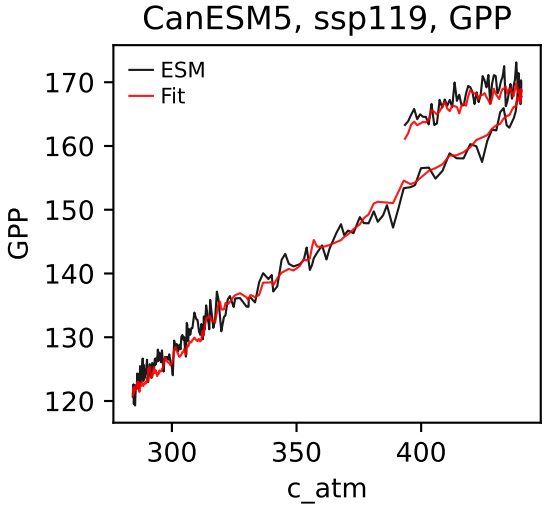

oflux
2
1
0
1900
2000
2100
Year

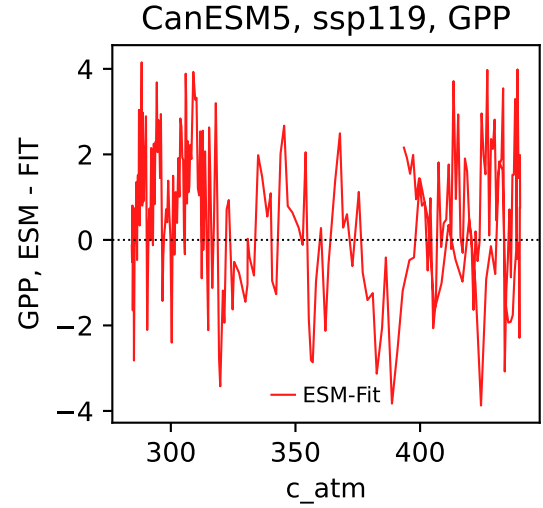

CanESM5, ssp119, GPP
ESM
Fit
GPP
Year

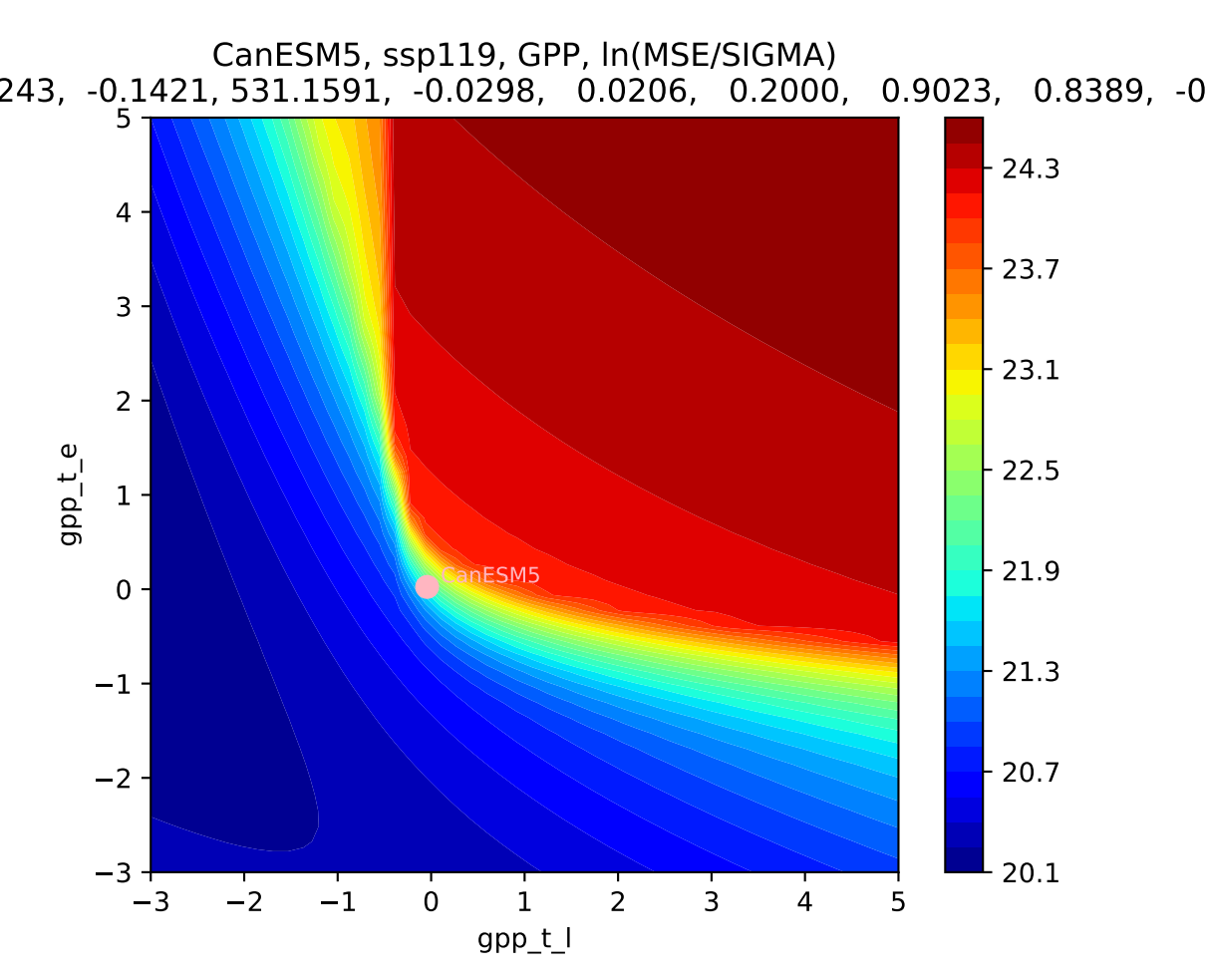

CanESM5, ssp119, GPP
GPP, ESM - FIT
ESM-Fit
Year

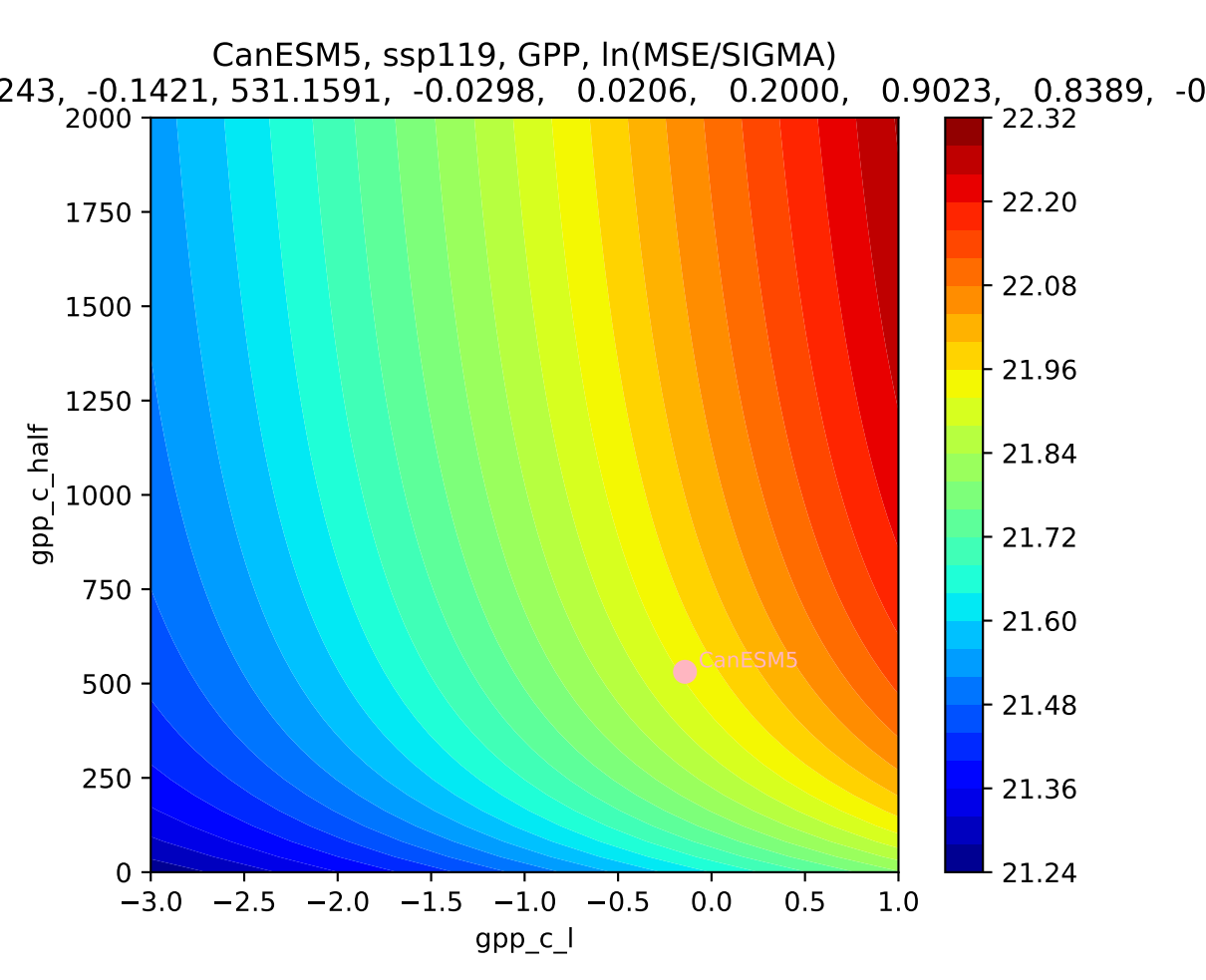

CanESM5, ssp119, GPP
ESM
Fit
GPP
ΔT

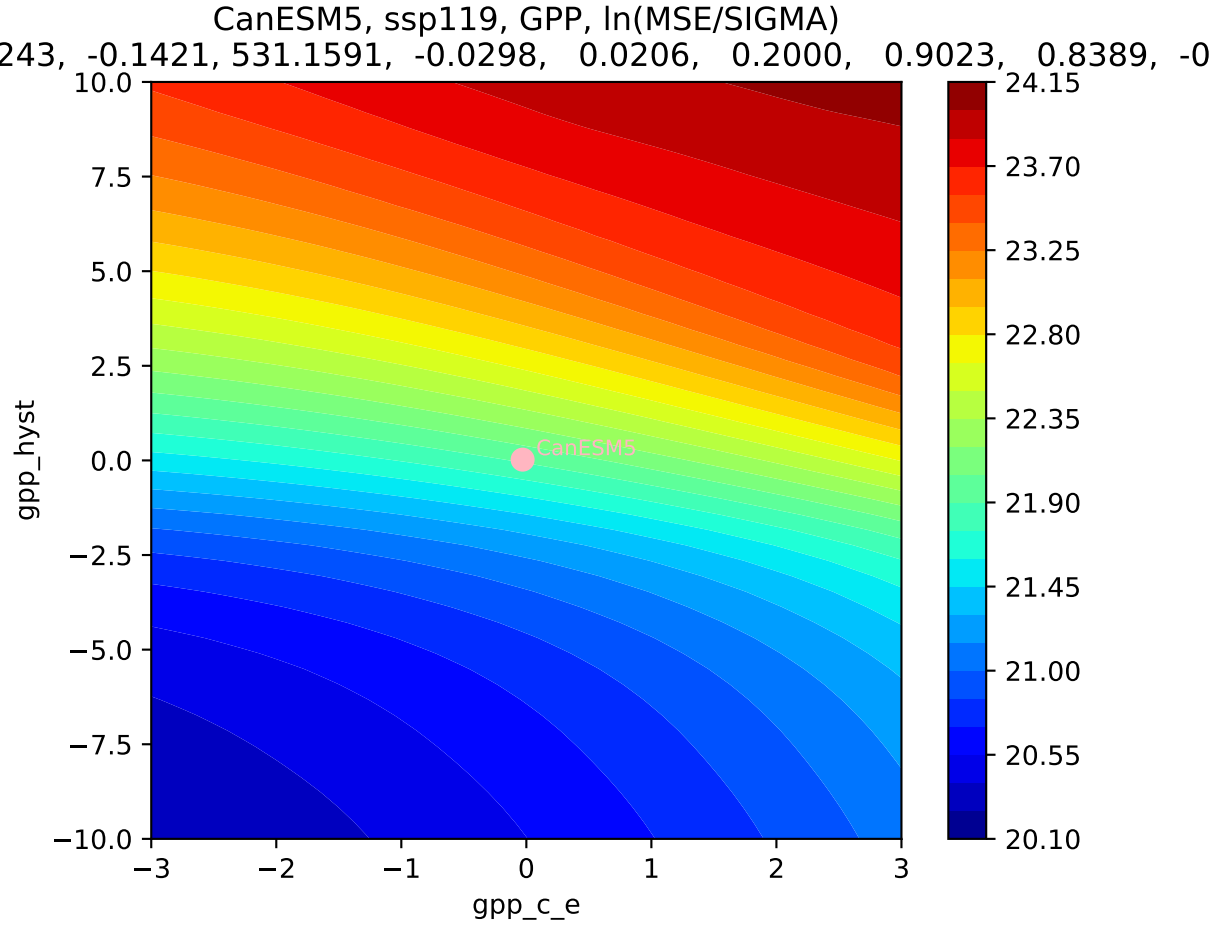

CanESM5, ssp119, GPP
GPP, ESM - FIT
ESM-Fit
ΔT

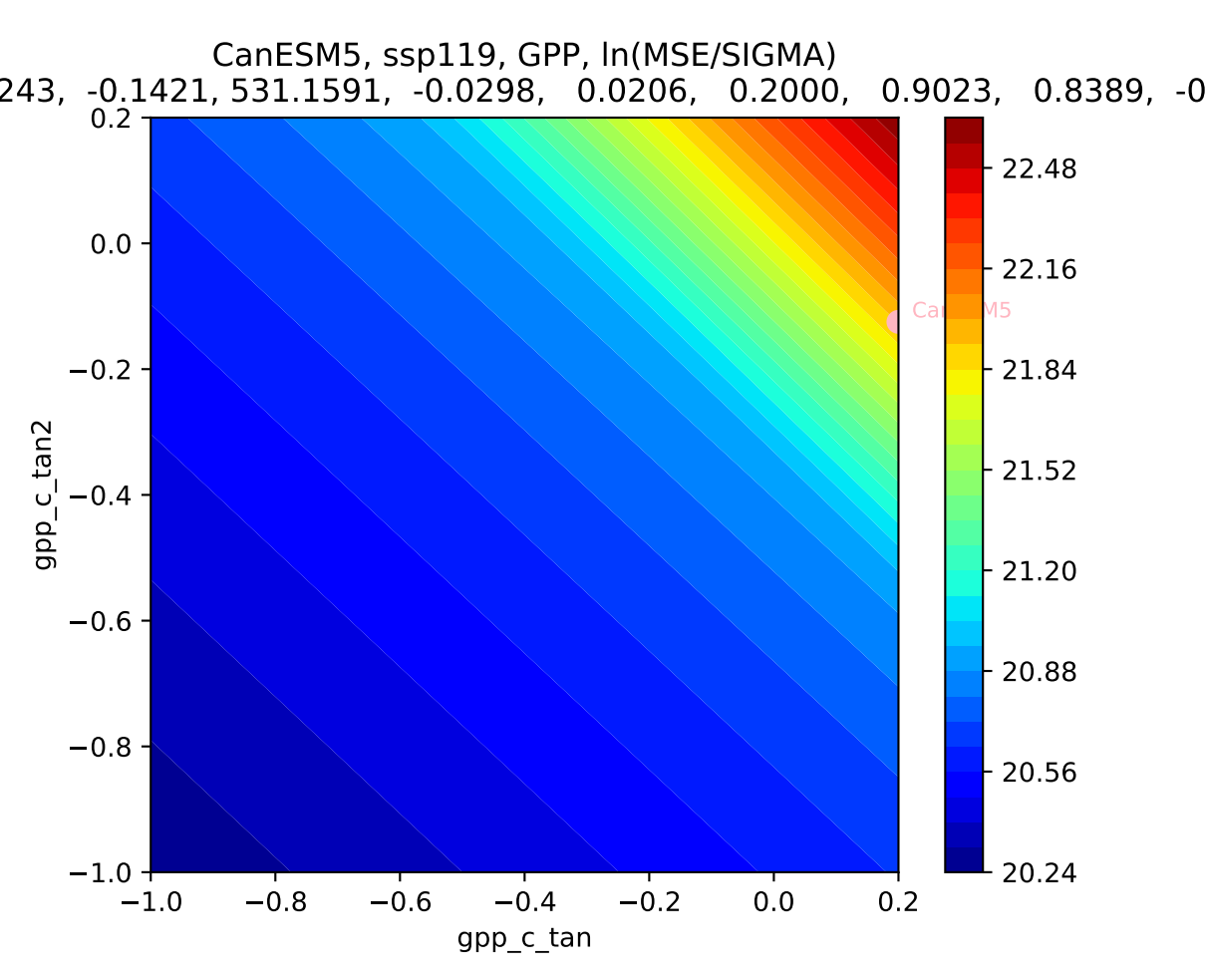

CanESM5, ssp119, GPP
ESM
Fit
GPP
c_atm

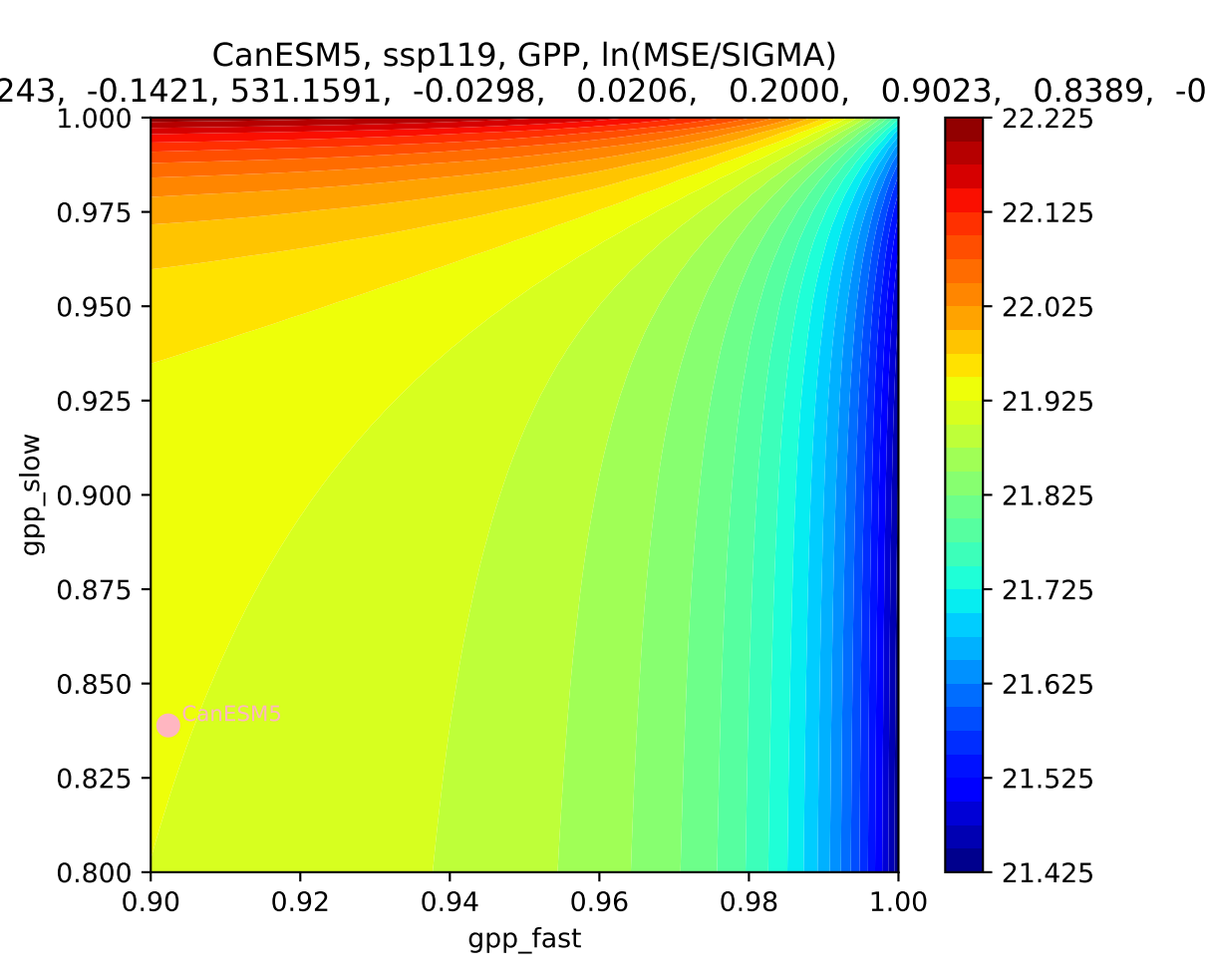

CanESM5, ssp119, GPP
GPP, ESM - FIT
ESM-Fit
c_atm

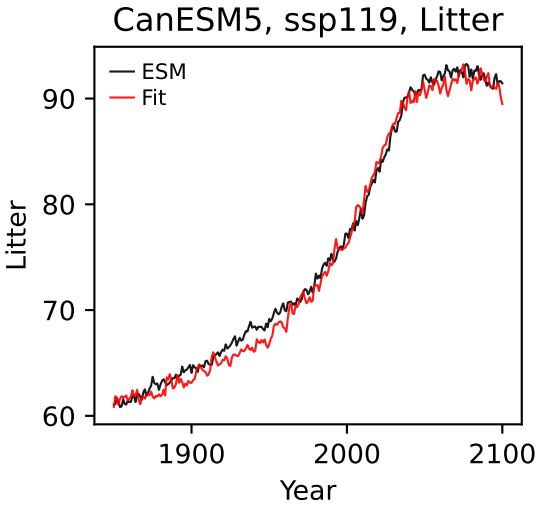

CanESM5, ssp119, GPP, ln(MSE/SIGMA)
243, -0.1421, 531.1591, -0.0298, 0.0206, 0.2000, 0.9023, 0.8389, -0
CanESM5
gpp_t_e
gpp_t_l
24.3
23.7
23.1
22.5
21.9
21.3
20.7
20.1

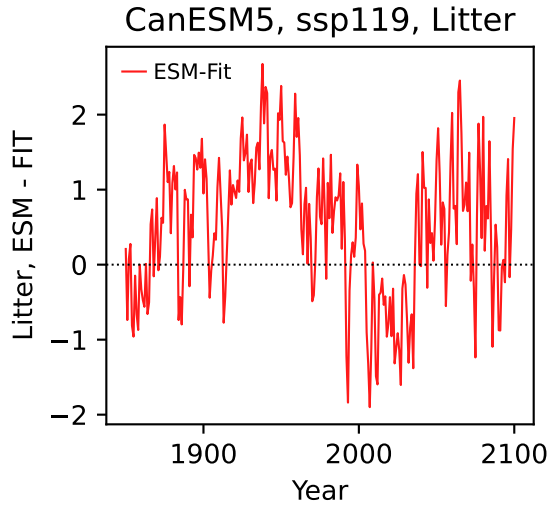

CanESM5, ssp119, GPP, ln(MSE/SIGMA)
243, -0.1421, 531.1591, -0.0298, 0.0206, 0.2000, 0.9023, 0.8389, -0
gpp_c_half
gpp_c_l
CanESM5
2000
1750
1500
1250
1000
750
500
250
0
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
22.32
22.20
22.08
21.96
21.84
21.72
21.60
21.48
21.36
21.24

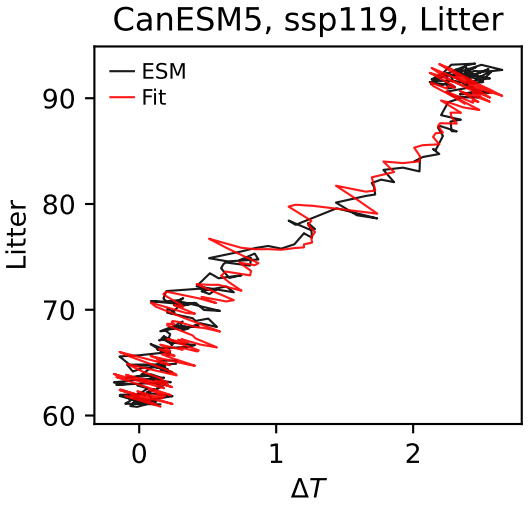

CanESM5, ssp119, GPP, ln(MSE/SIGMA)
243, -0.1421, 531.1591, -0.0298, 0.0206, 0.2000, 0.9023, 0.8389, -0
CanESM5
gpp_hyst
gpp_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
24.15
23.70
23.25
22.80
22.35
21.90
21.45
21.00
20.55
20.10

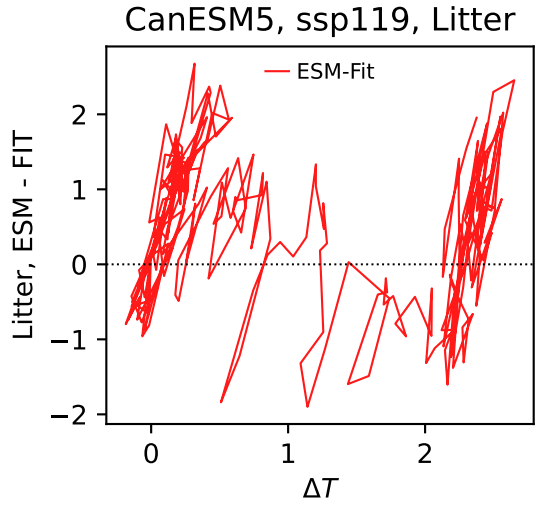

CanESM5, ssp119, GPP, ln(MSE/SIGMA)
243, -0.1421, 531.1591, -0.0298, 0.0206, 0.2000, 0.9023, 0.8389, -0
gpp_c_tan2
gpp_c_tan
0.2
0.0
−0.2
−0.4
−0.6
−0.8
−1.0
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
22.48
22.16
21.84
21.52
21.20
20.88
20.56
20.24

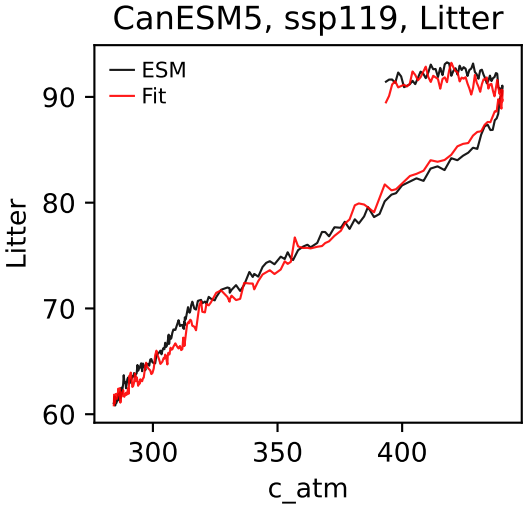

CanESM5, ssp119, GPP, ln(MSE/SIGMA)
243, -0.1421, 531.1591, -0.0298, 0.0206, 0.2000, 0.9023, 0.8389, -0
1.000
0.975
0.950
0.925
0.900
0.875
0.850
0.825
0.800
gpp_slow
CanESM5
0.90
0.92
0.94
0.96
0.98
1.00
gpp_fast
22.225
22.125
22.025
21.925
21.825
21.725
21.625
21.525
21.425

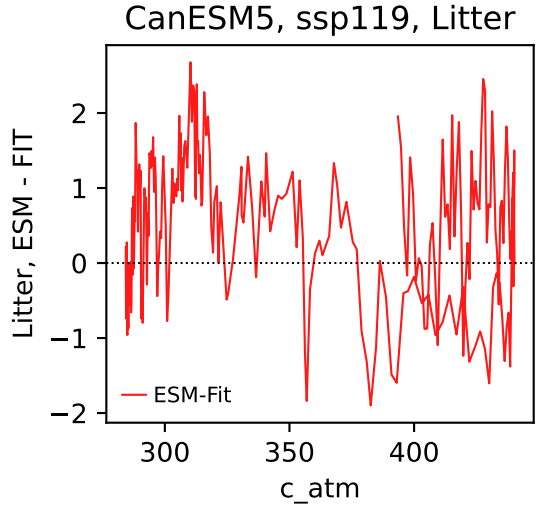

CanESM5, ssp119, Litter
ESM
Fit
Litter
Year
60
70
80
90
1900
2000
2100

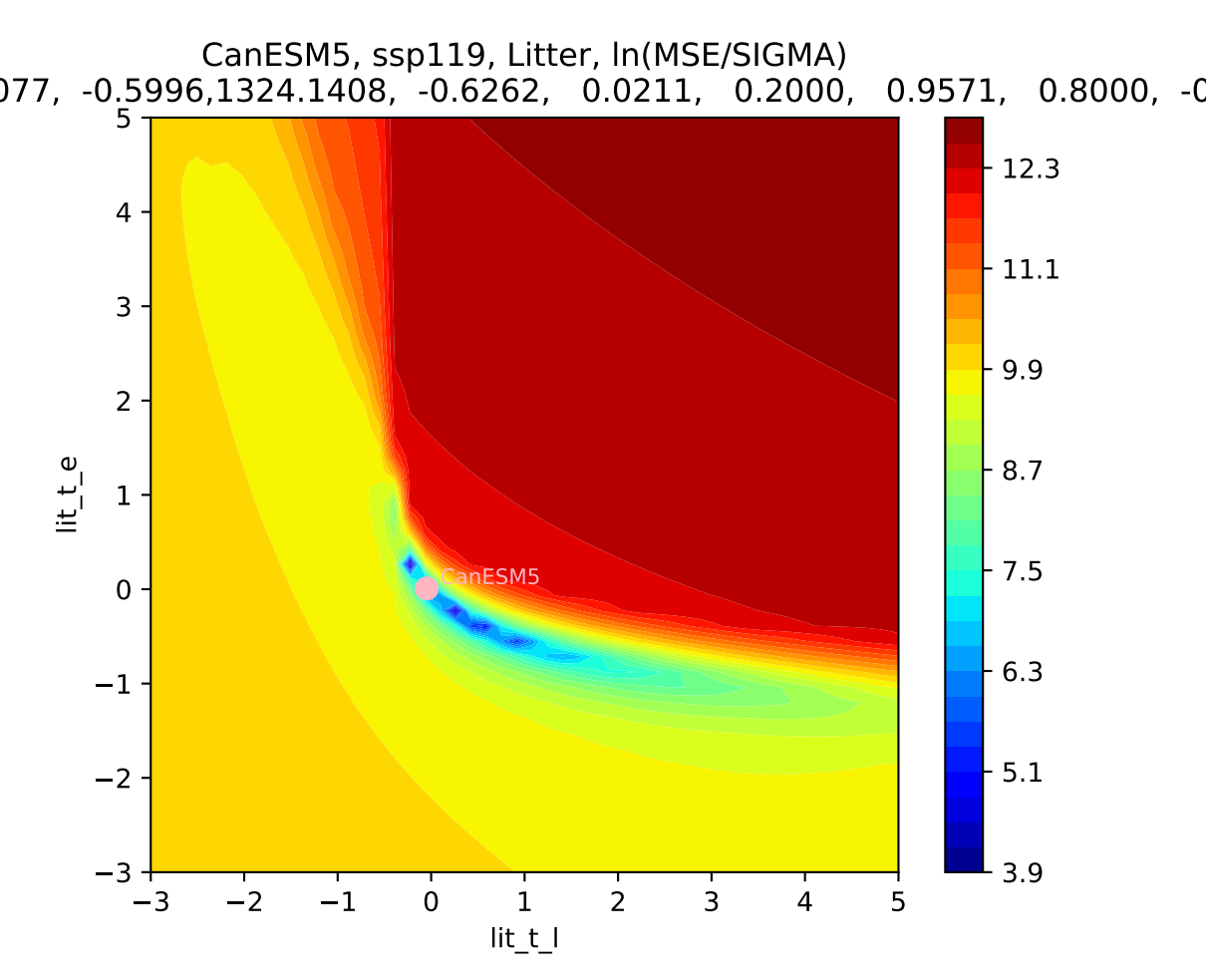

CanESM5, ssp119, Litter
ESM-Fit
Litter, ESM - FIT
Year
−2
−1
0
1
2
1900
2000
2100

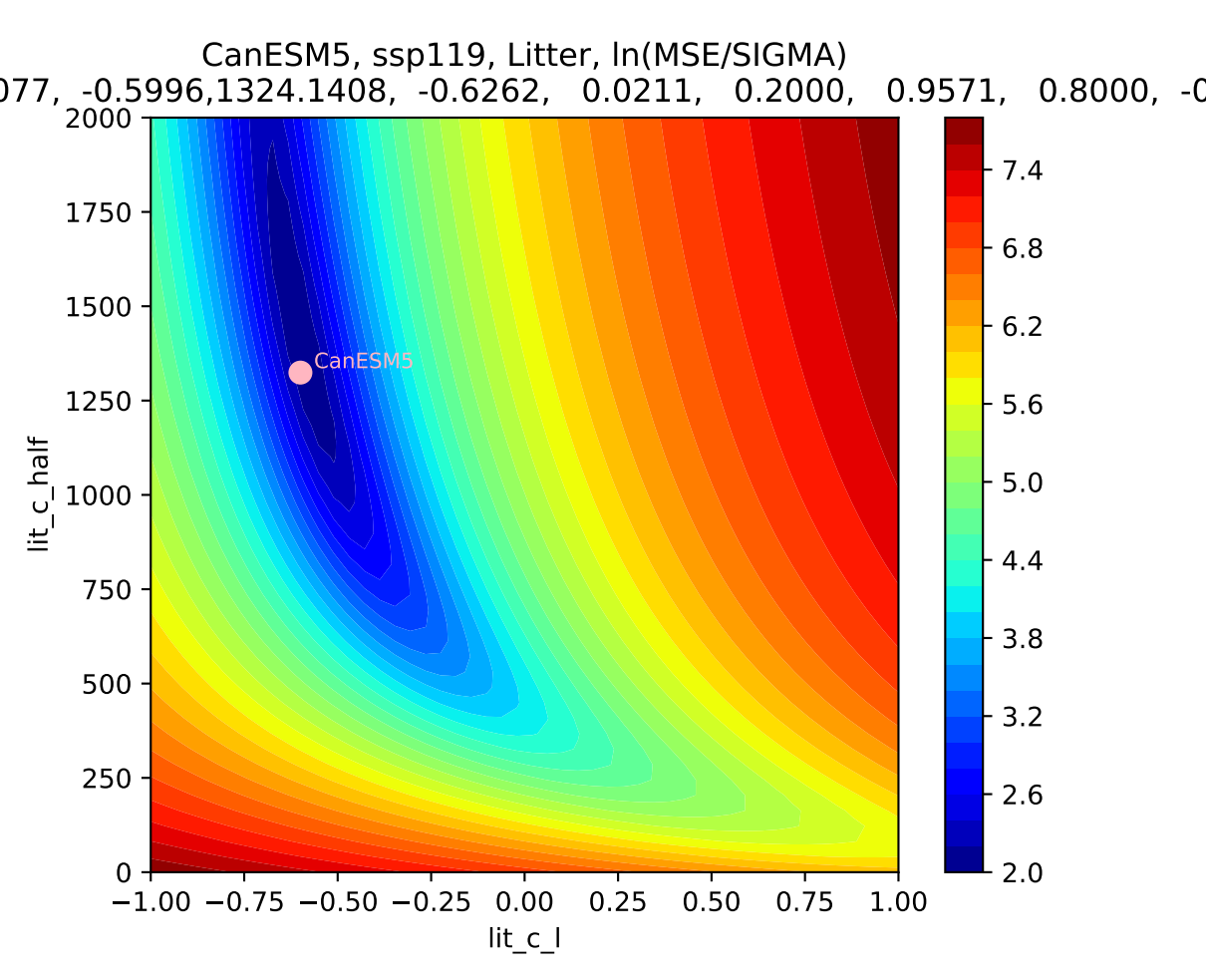

CanESM5, ssp119, Litter
ESM
Fit
Litter
ΔT
60
70
80
90
0
1
2

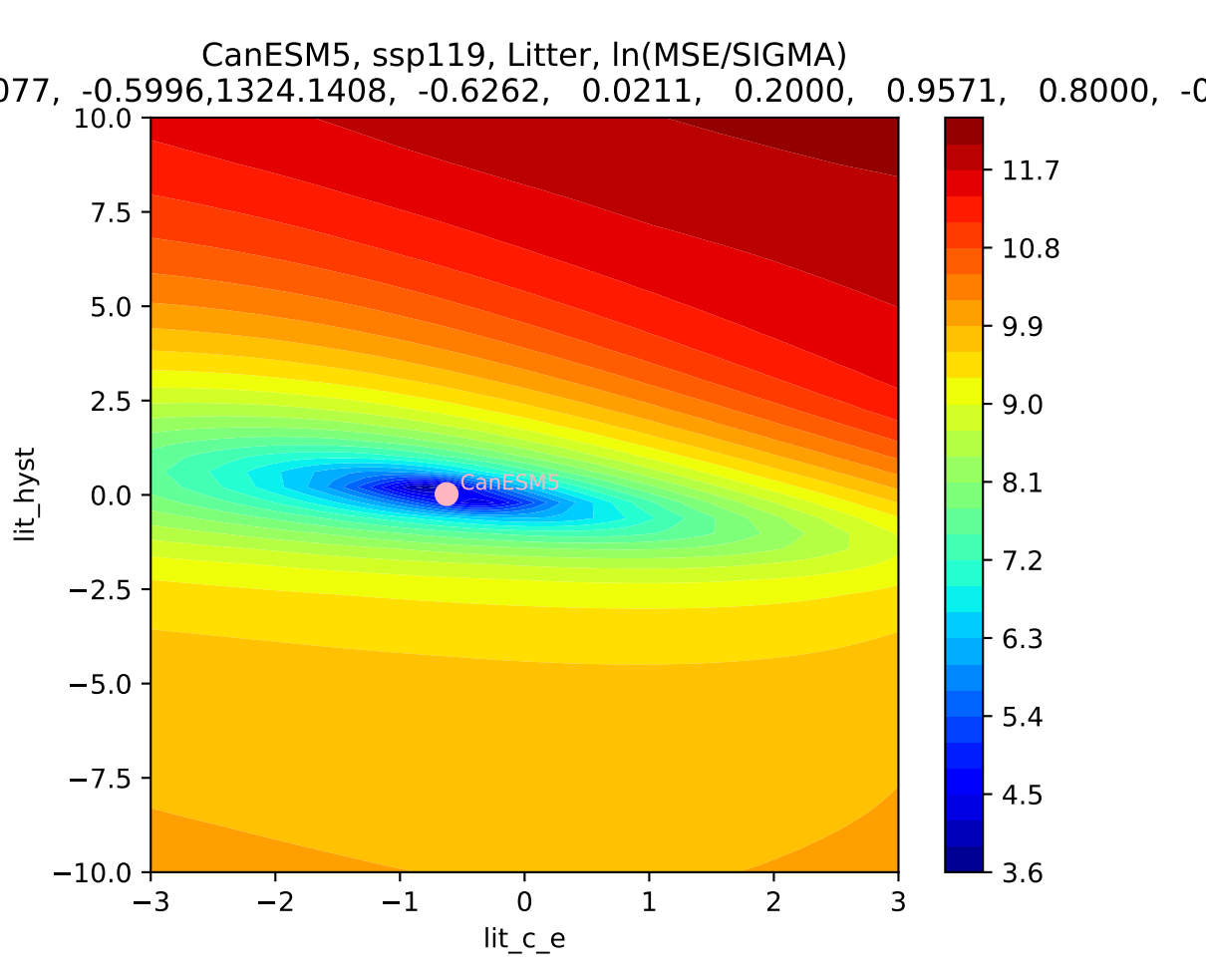

CanESM5, ssp119, Litter
ESM-Fit
Litter, ESM - FIT
ΔT
−2
−1
0
1
2
0
1
2

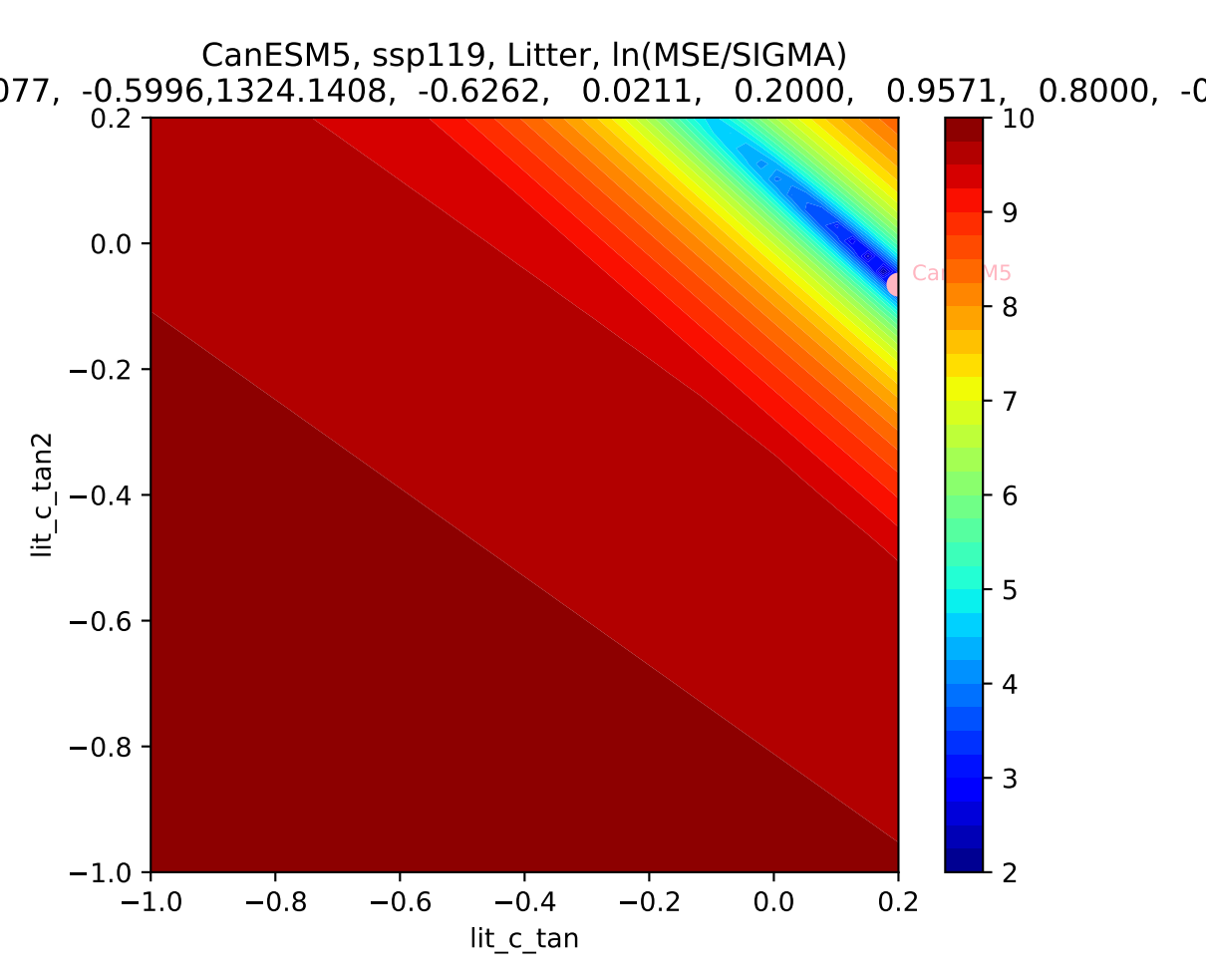

CanESM5, ssp119, Litter
ESM
Fit
Litter
c_atm
60
70
80
90
300
350
400

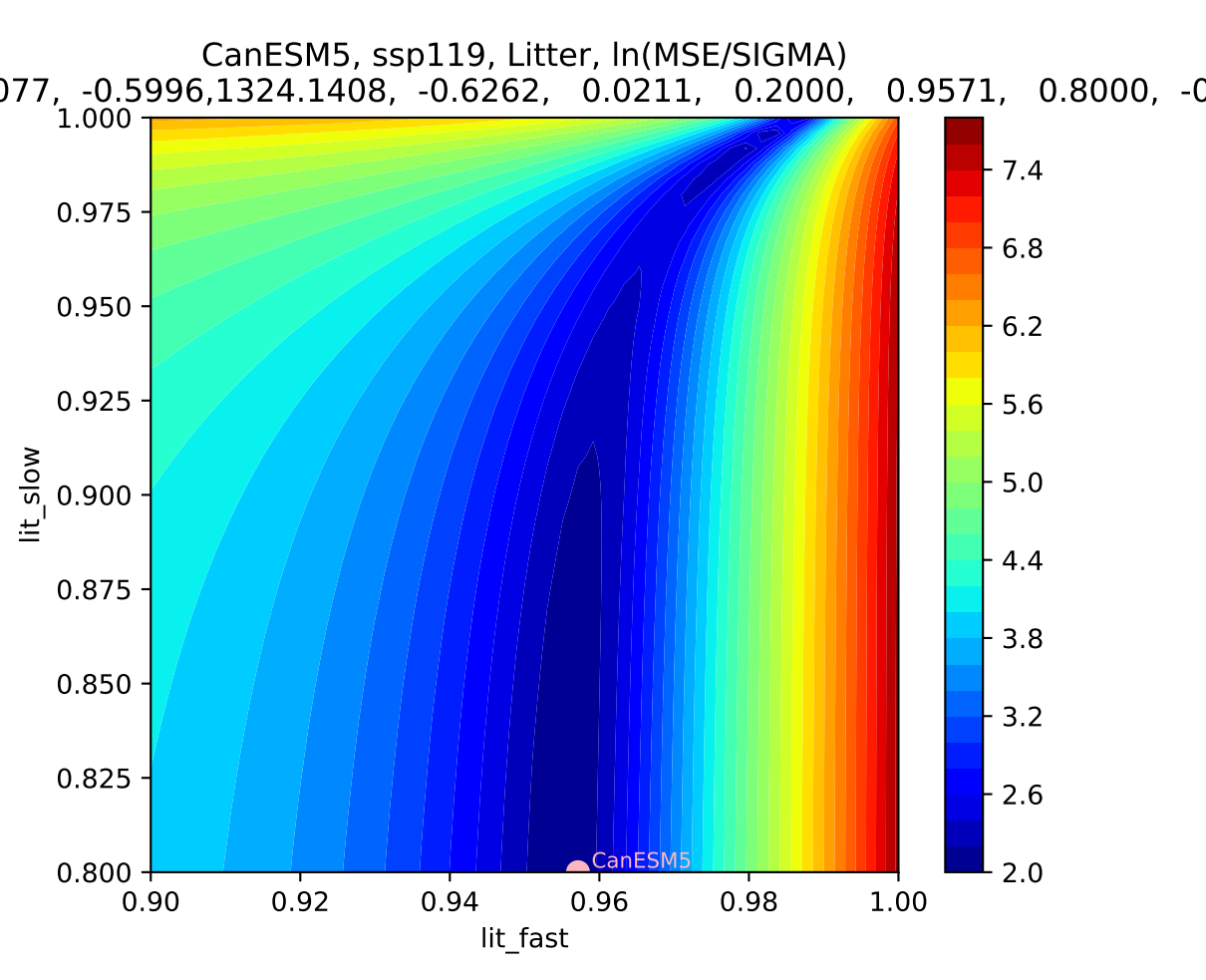

CanESM5, ssp119, Litter
ESM-Fit
Litter, ESM - FIT
c_atm
−2
−1
0
1
2
300
350
400

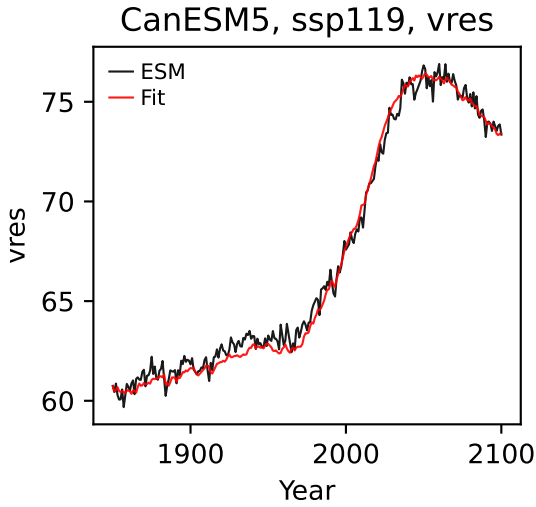

CanESM5, ssp119, Litter, ln(MSE/SIGMA)
077, -0.5996,1324.1408, -0.6262, 0.0211, 0.2000, 0.9571, 0.8000, -0
CanESM5
lit_t_e
lit_t_l
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
12.3
11.1
9.9
8.7
7.5
6.3
5.1
3.9

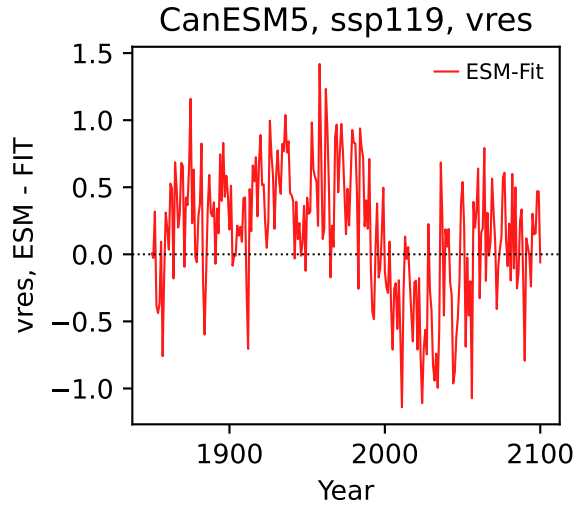

CanESM5, ssp119, Litter, ln(MSE/SIGMA)
077, -0.5996,1324.1408, -0.6262, 0.0211, 0.2000, 0.9571, 0.8000, -0
CanESM5
lit_c_half
lit_c_l
2000
1750
1500
1250
1000
750
500
250
0
−1.00 −0.75 −0.50 −0.25 0.00 0.25 0.50 0.75 1.00
7.4
6.8
6.2
5.6
5.0
4.4
3.8
3.2
2.6
2.0

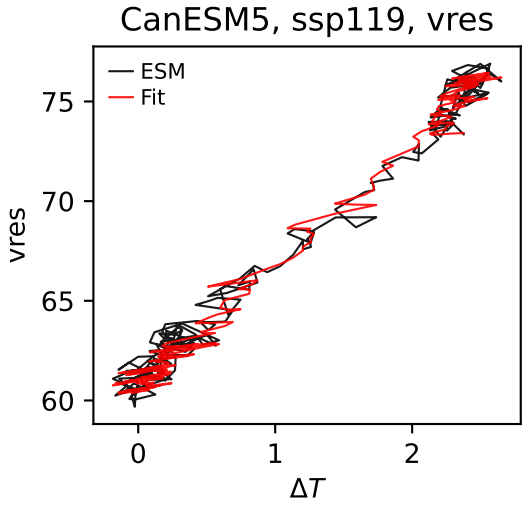

CanESM5, ssp119, Litter, ln(MSE/SIGMA)
077, -0.5996,1324.1408, -0.6262, 0.0211, 0.2000, 0.9571, 0.8000, -0
CanESM5
lit_hyst
lit_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
11.7
10.8
9.9
9.0
8.1
7.2
6.3
5.4
4.5
3.6

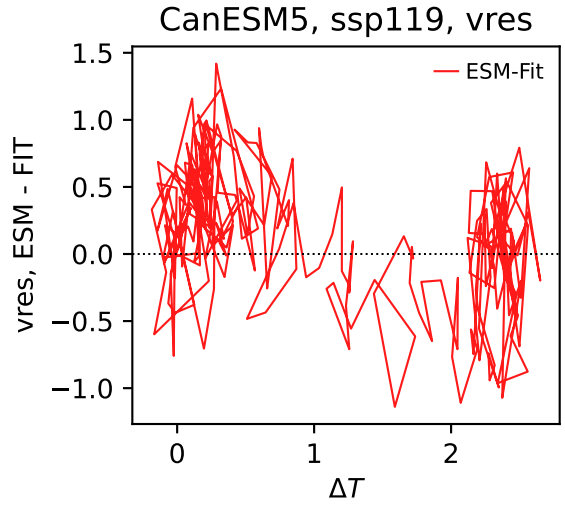

CanESM5, ssp119, Litter, ln(MSE/SIGMA)
077, -0.5996,1324.1408, -0.6262, 0.0211, 0.2000, 0.9571, 0.8000, -0
lit_c_tan2
lit_c_tan
0.2
0.0
−0.2
−0.4
−0.6
−0.8
−1.0
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
10
9
8
7
6
5
4
3
2

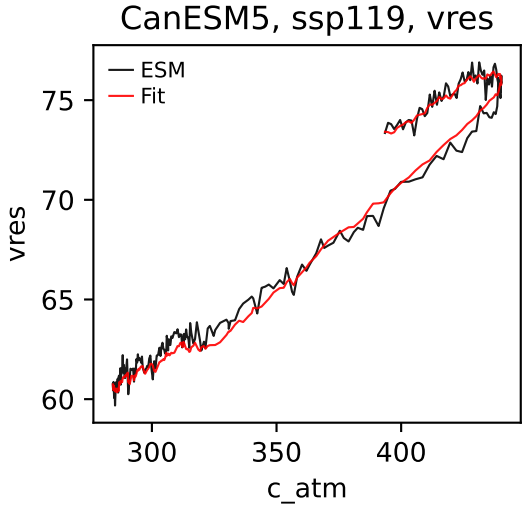

CanESM5, ssp119, Litter, ln(MSE/SIGMA)
077, -0.5996,1324.1408, -0.6262, 0.0211, 0.2000, 0.9571, 0.8000, -0
1.000
0.975
0.950
0.925
0.900
0.875
0.850
0.825
0.800
lit_slow
0.90
0.92
0.94
0.96
0.98
1.00
lit_fast
CanESM5
7.4
6.8
6.2
5.6
5.0
4.4
3.8
3.2
2.6
2.0

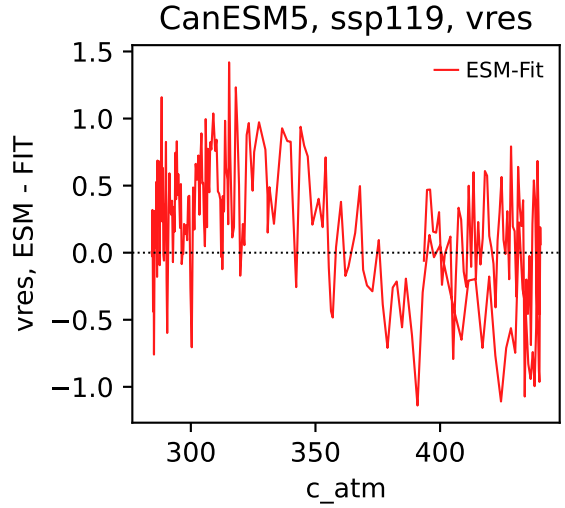

CanESM5, ssp119, vres
ESM
Fit
vres
Year

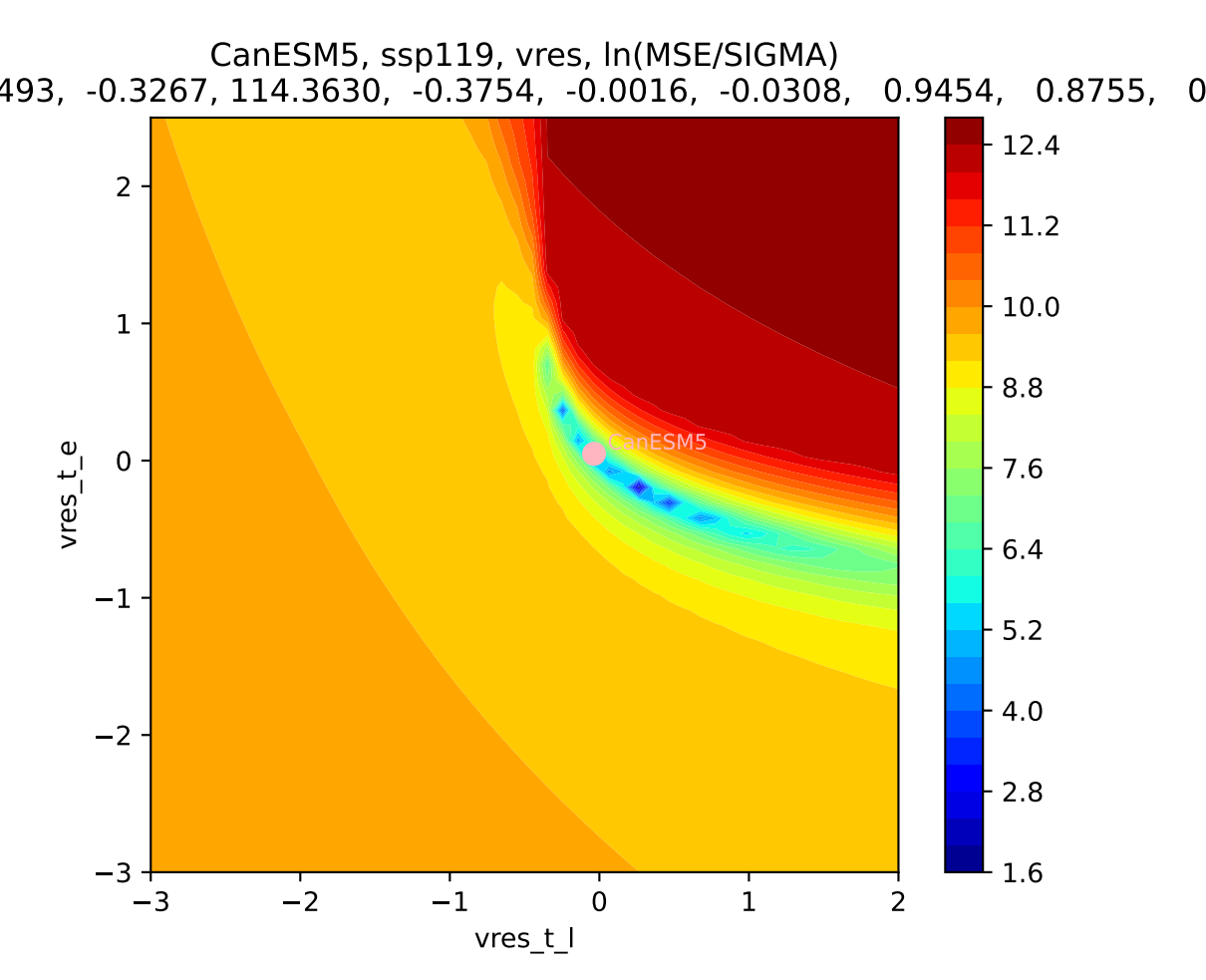

CanESM5, ssp119, vres
ESM-Fit
vres, ESM - FIT
Year

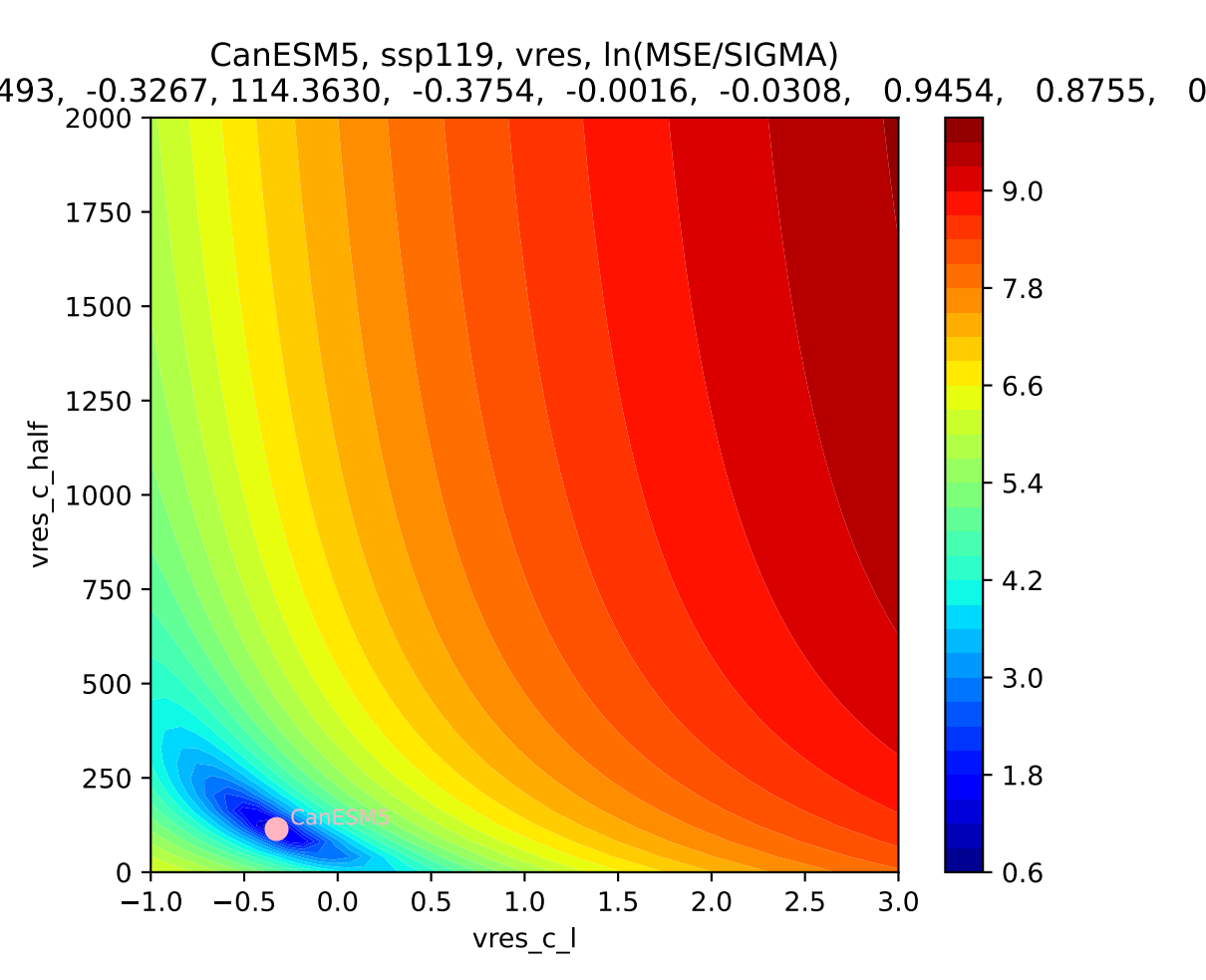

CanESM5, ssp119, vres
ESM
Fit
vres
ΔT

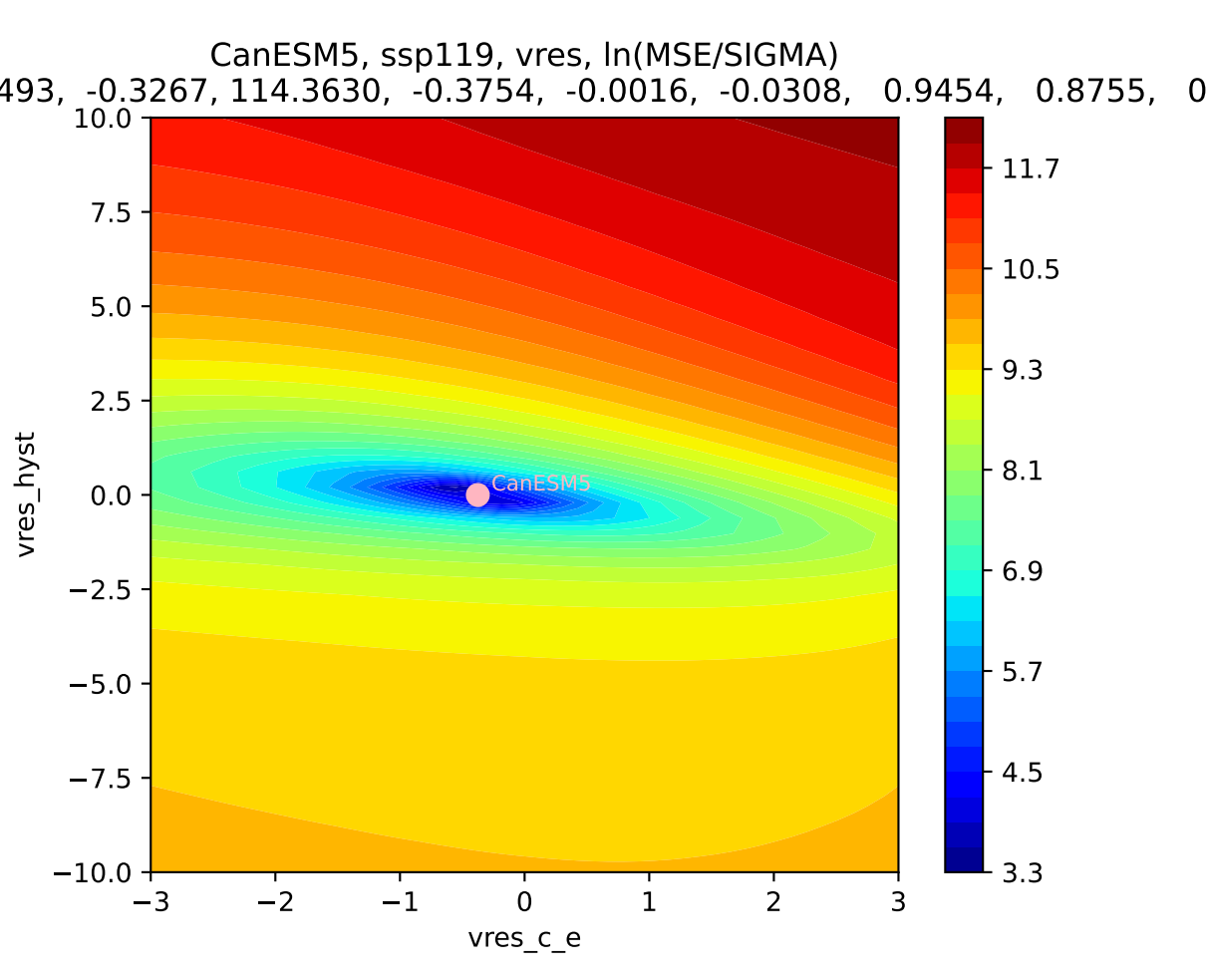

CanESM5, ssp119, vres
ESM-Fit
vres, ESM - FIT
ΔT

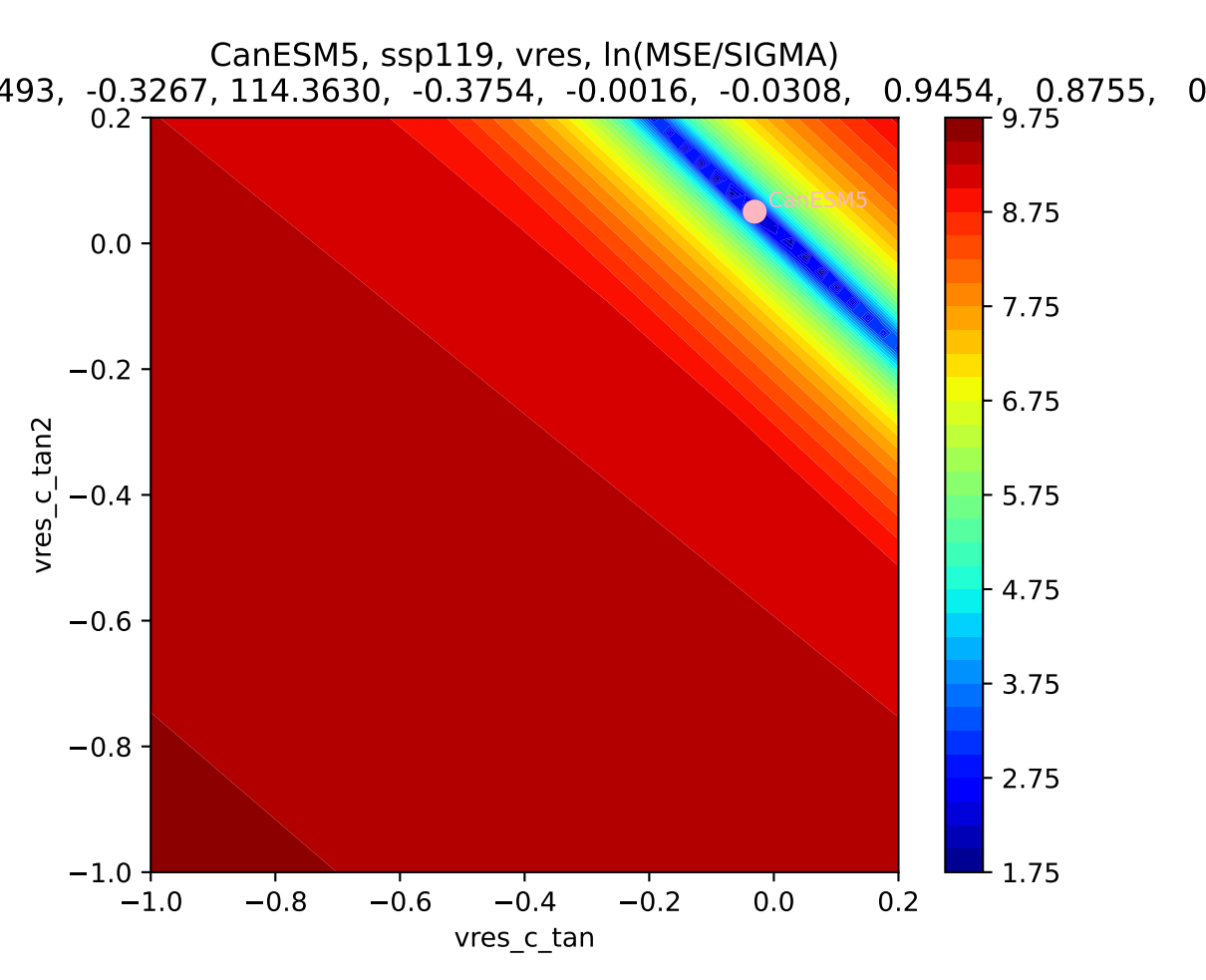

CanESM5, ssp119, vres
ESM
Fit
vres
c_atm

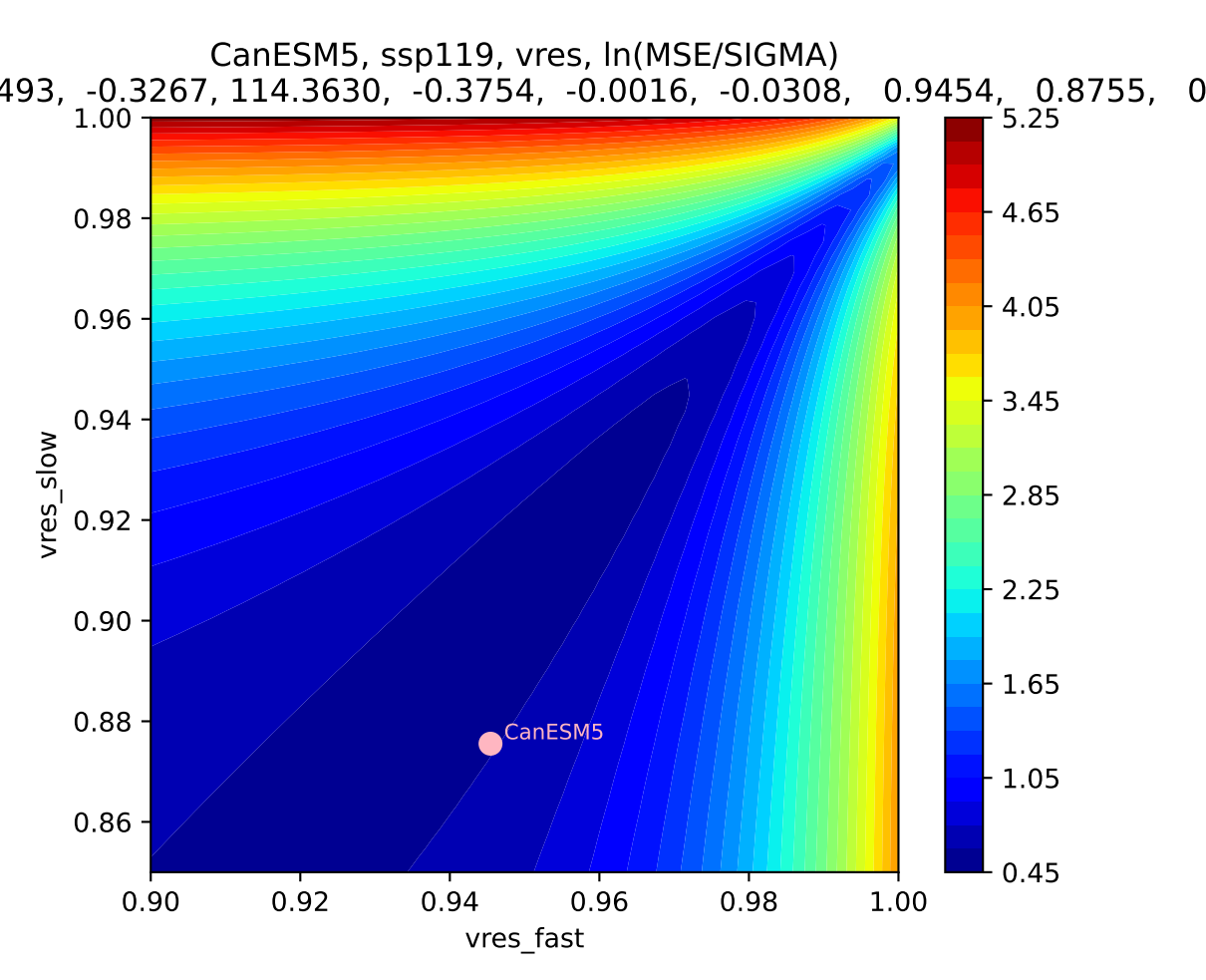

CanESM5, ssp119, vres
ESM-Fit
vres, ESM - FIT
c_atm

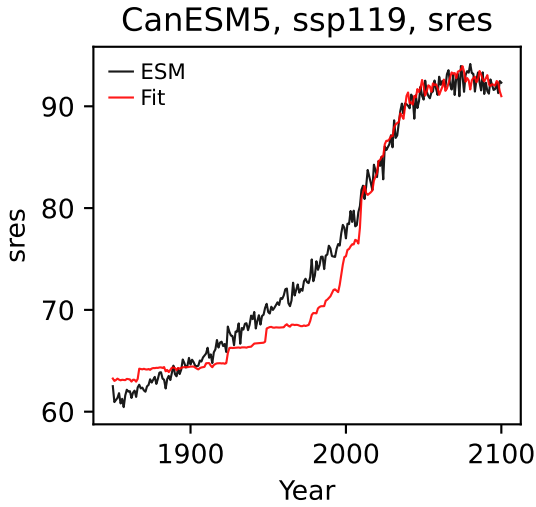

CanESM5, ssp119, vres, ln(MSE/SIGMA)
493, -0.3267, 114.3630, -0.3754, -0.0016, -0.0308, 0.9454, 0.8755, 0
CanESM5
vres_t_e
vres_t_l
12.4
11.2
10.0
8.8
7.6
6.4
5.2
4.0
2.8
1.6

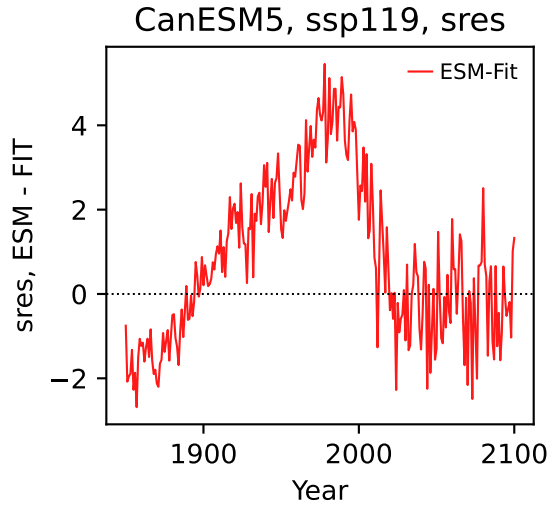

CanESM5, ssp119, vres, ln(MSE/SIGMA)
493, -0.3267, 114.3630, -0.3754, -0.0016, -0.0308, 0.9454, 0.8755, 0
vres_c_half
vres_c_l
CanESM5
2000
1750
1500
1250
1000
750
500
250
0
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
9.0
7.8
6.6
5.4
4.2
3.0
1.8
0.6

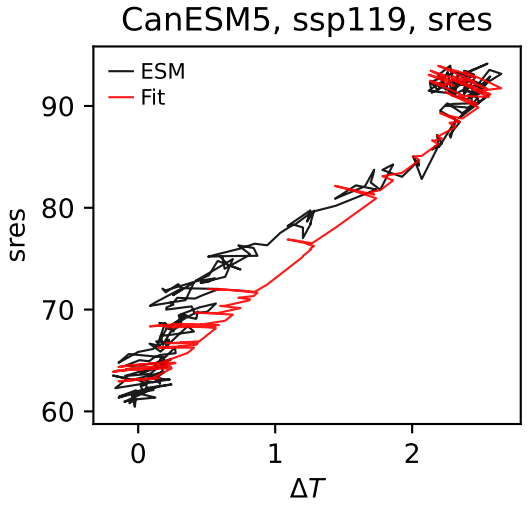

CanESM5, ssp119, vres, ln(MSE/SIGMA)
493, -0.3267, 114.3630, -0.3754, -0.0016, -0.0308, 0.9454, 0.8755, 0
CanESM5
vres_hyst
vres_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
11.7
10.5
9.3
8.1
6.9
5.7
4.5
3.3

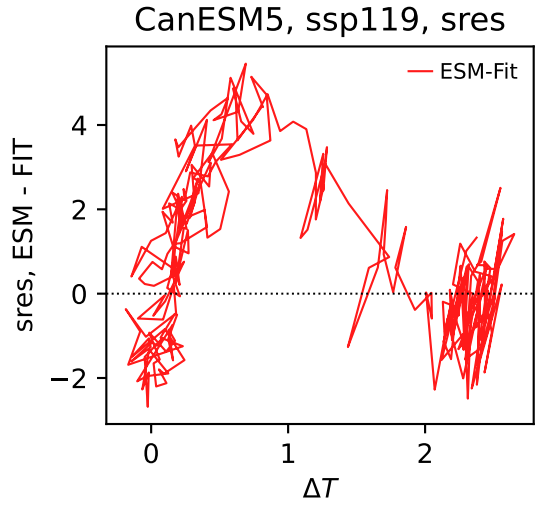

CanESM5, ssp119, vres, ln(MSE/SIGMA)
493, -0.3267, 114.3630, -0.3754, -0.0016, -0.0308, 0.9454, 0.8755, 0
CanESM5
vres_c_tan2
vres_c_tan
0.2
0.0
−0.2
−0.4
−0.6
−0.8
−1.0
9.75
8.75
7.75
6.75
5.75
4.75
3.75
2.75
1.75

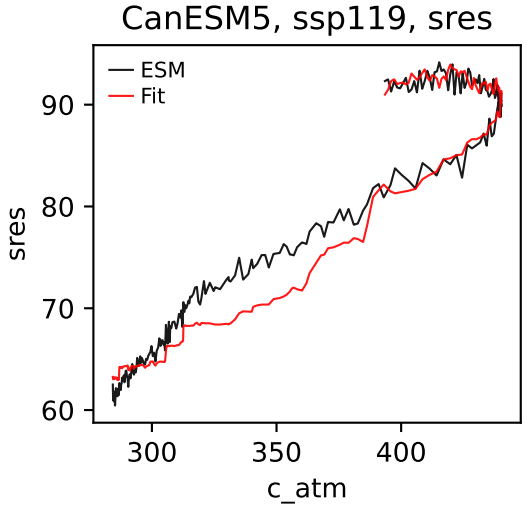

CanESM5, ssp119, vres, ln(MSE/SIGMA)
493, -0.3267, 114.3630, -0.3754, -0.0016, -0.0308, 0.9454, 0.8755, 0
1.00
0.98
0.96
0.94
0.92
0.90
0.88
0.86
vres_slow
CanESM5
0.90
0.92
0.94
0.96
0.98
1.00
vres_fast
5.25
4.65
4.05
3.45
2.85
2.25
1.65
1.05
0.45

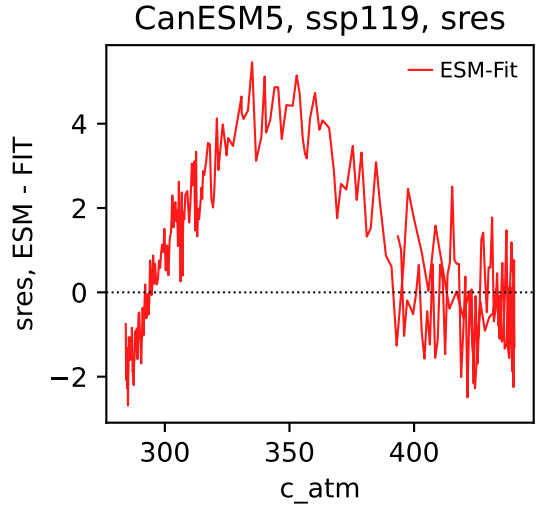

CanESM5, ssp119, sres
ESM
Fit
sres
Year

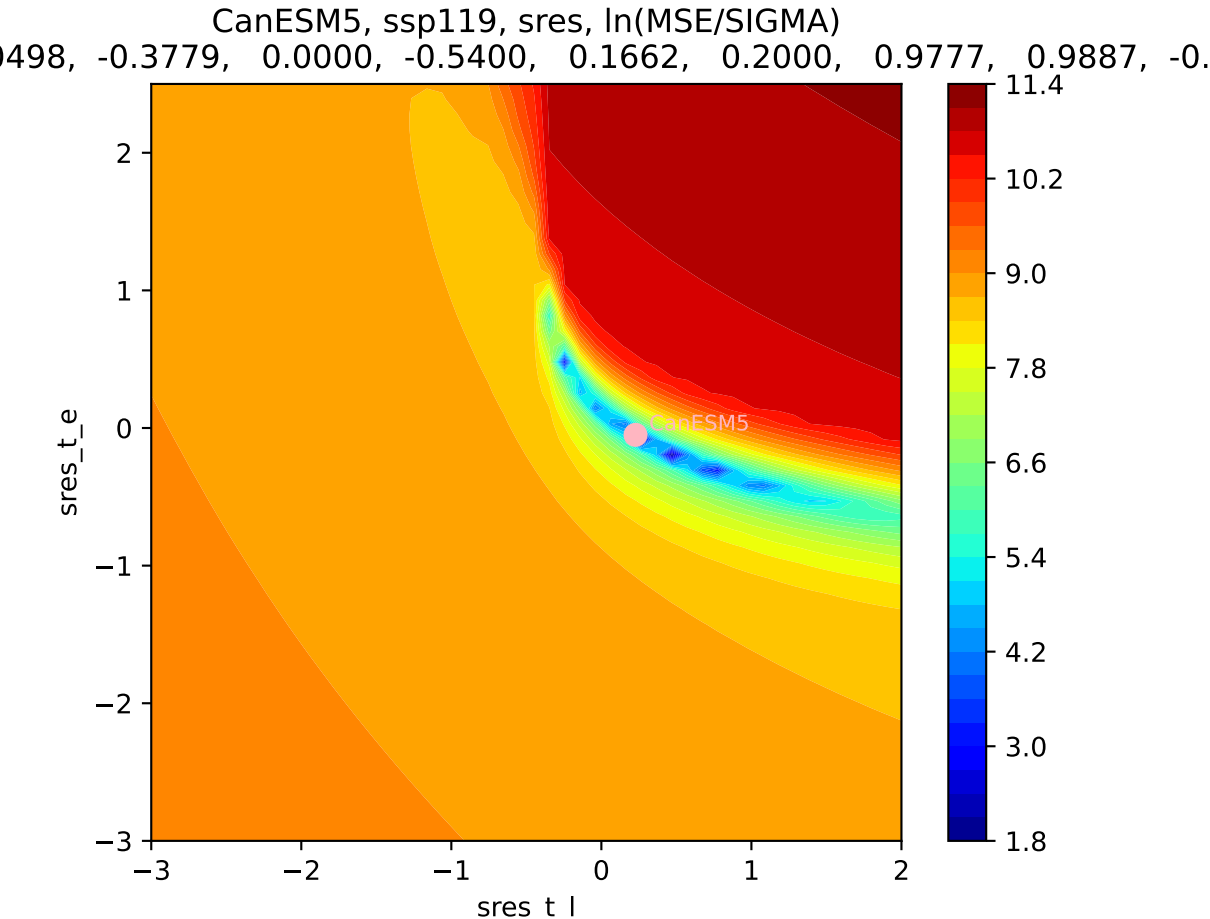

CanESM5, ssp119, sres
ESM-Fit
sres, ESM - FIT
Year

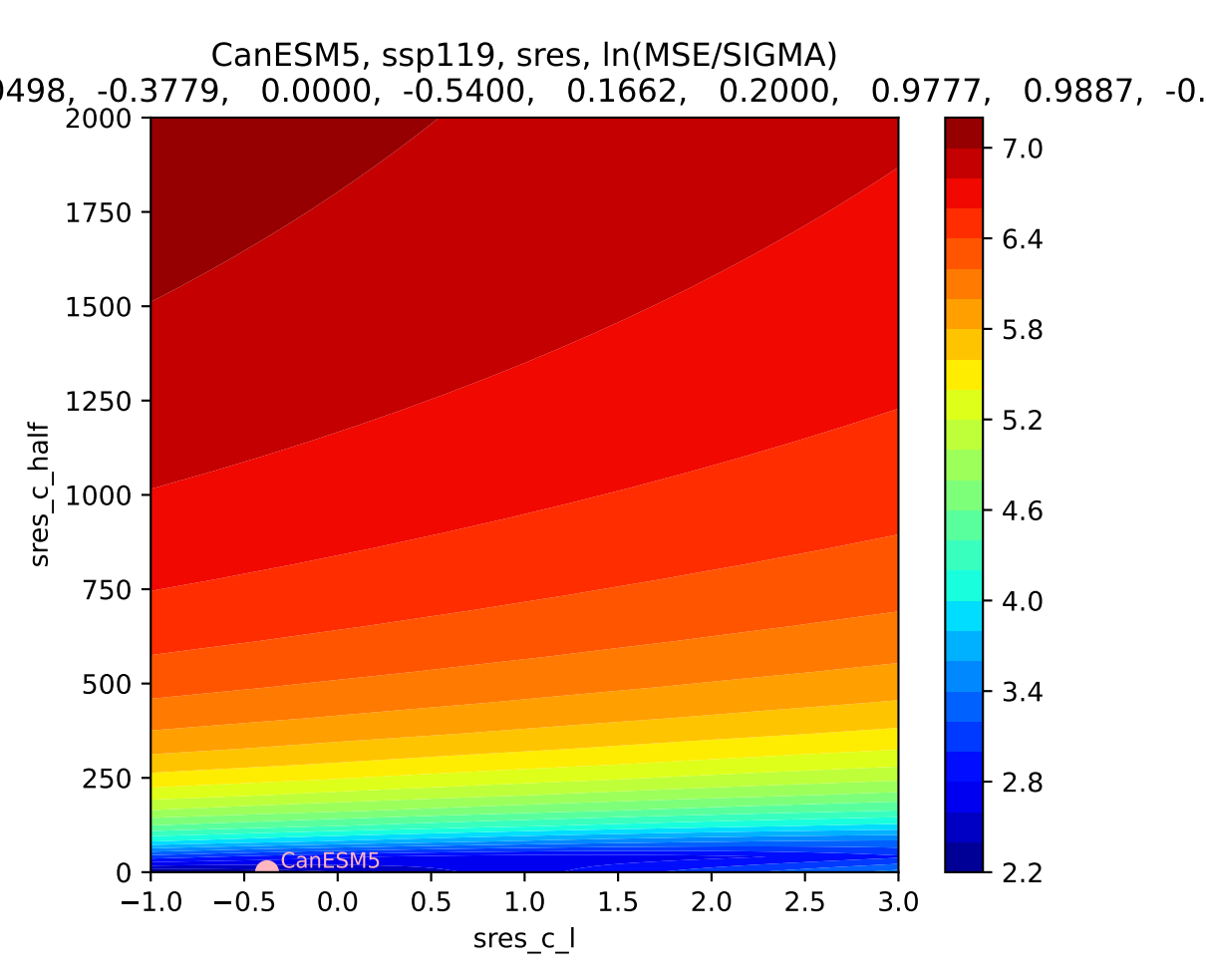

CanESM5, ssp119, sres
ESM
Fit
sres
ΔT

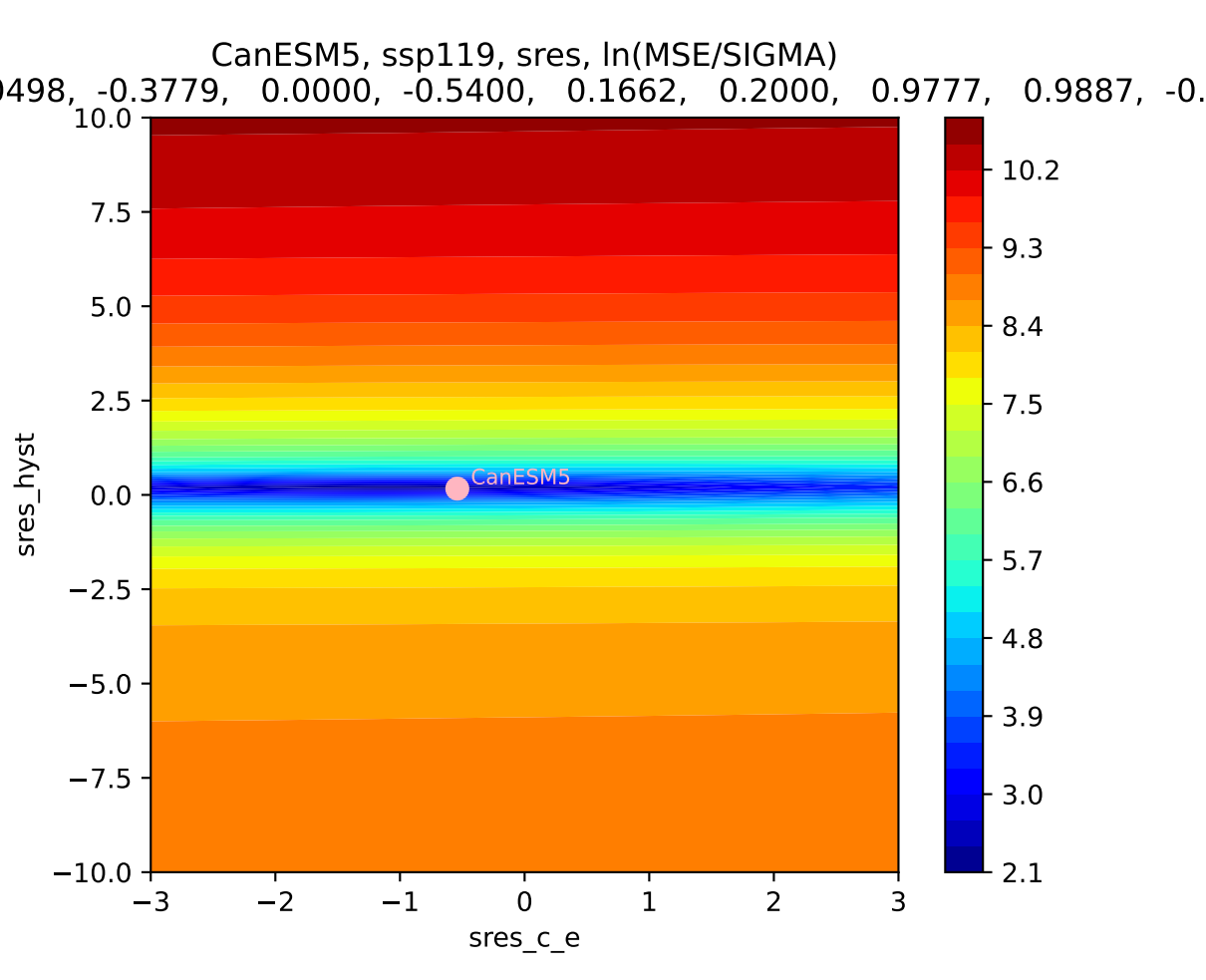

CanESM5, ssp119, sres
ESM-Fit
sres, ESM - FIT
ΔT

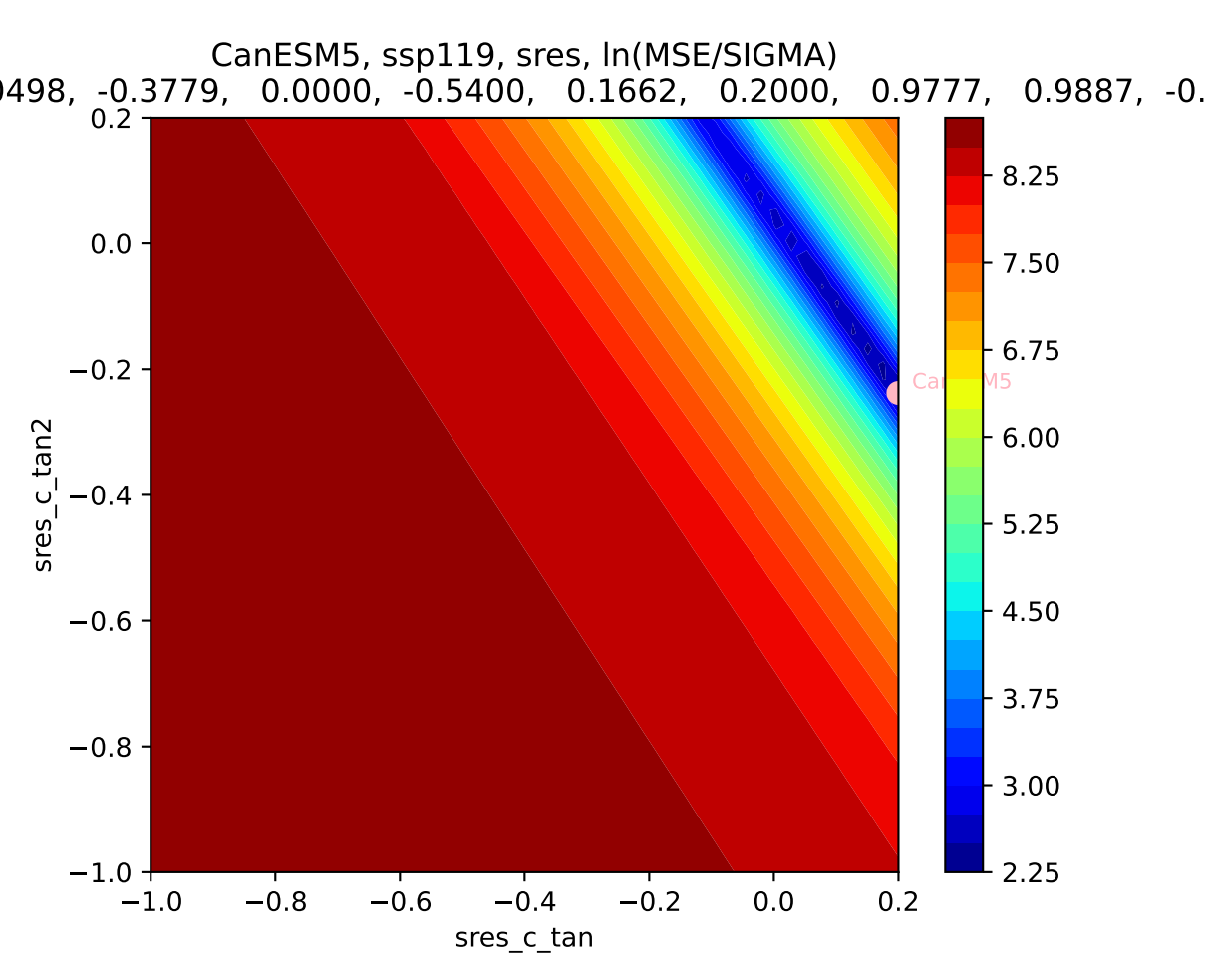

CanESM5, ssp119, sres
ESM
Fit
sres
c_atm

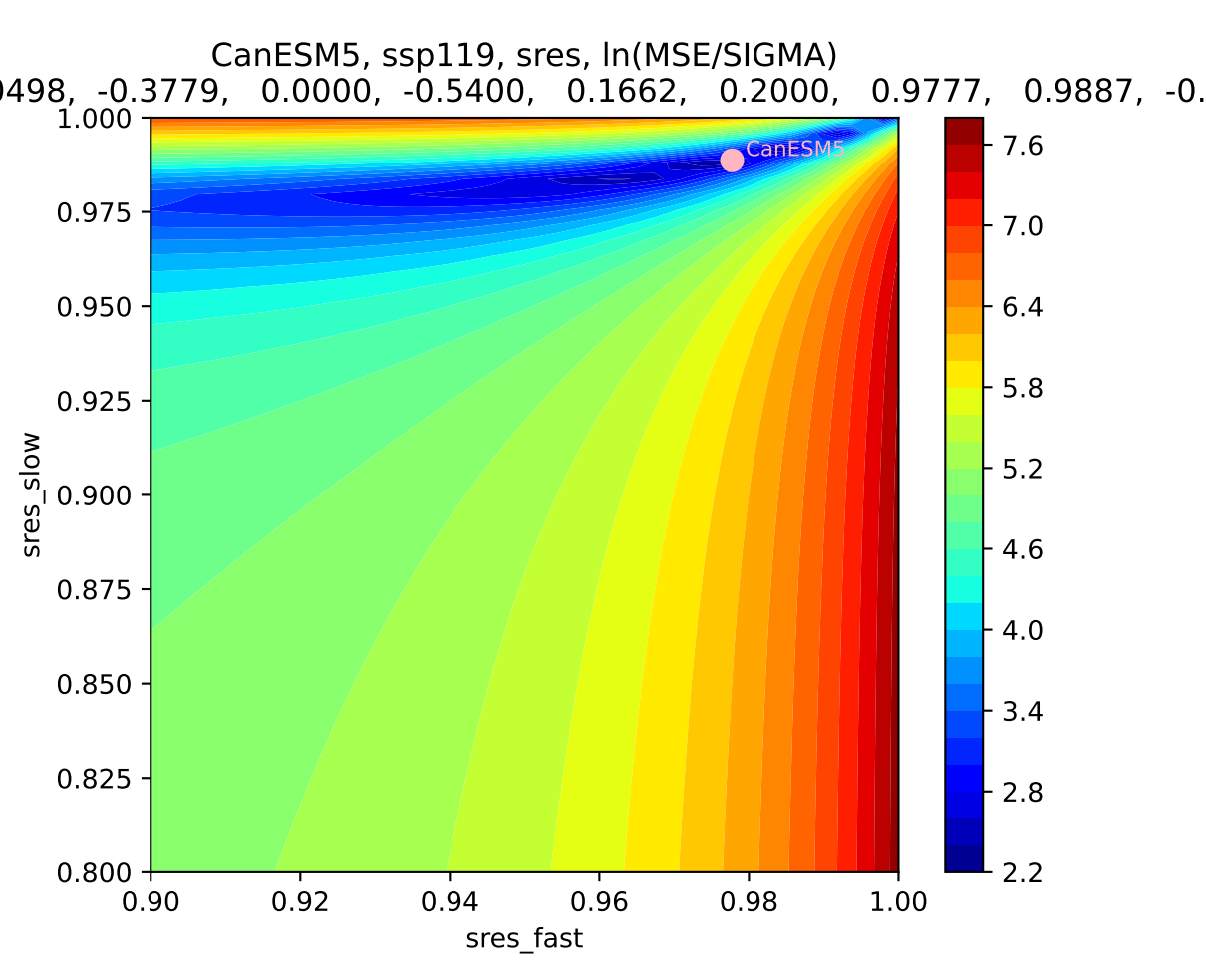

CanESM5, ssp119, sres
ESM-Fit
sres, ESM - FIT
c_atm

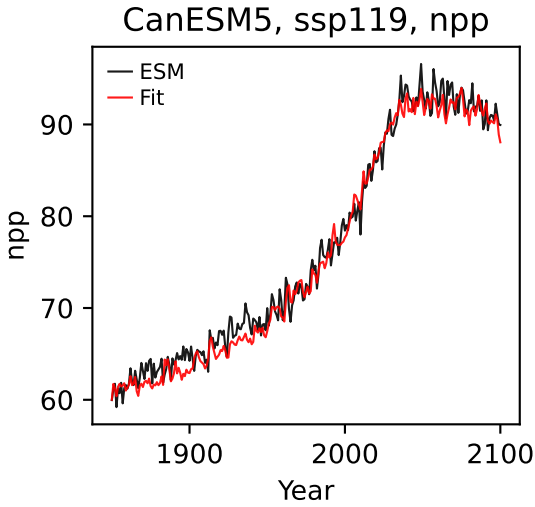

CanESM5, ssp119, sres, ln(MSE/SIGMA)
9498, -0.3779, 0.0000, -0.5400, 0.1662, 0.2000, 0.9777, 0.9887, -0.
CanESM5
sres_t_e
sres_t_l
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
11.4
10.2
9.0
7.8
6.6
5.4
4.2
3.0
1.8

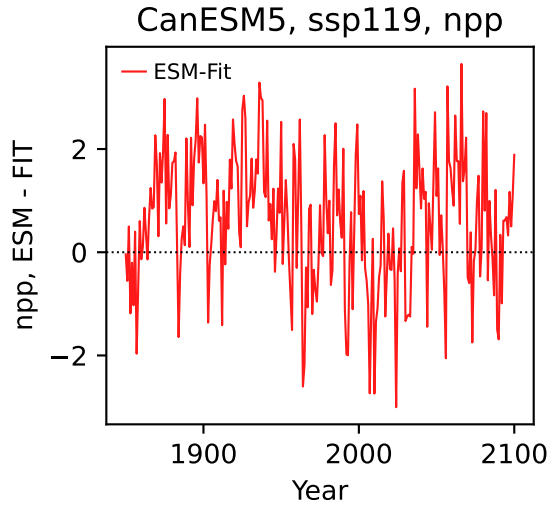

CanESM5, ssp119, sres, ln(MSE/SIGMA)
9498, -0.3779, 0.0000, -0.5400, 0.1662, 0.2000, 0.9777, 0.9887, -0.
sres_c_half
sres_c_l
CanESM5
2000
1750
1500
1250
1000
750
500
250
0
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
7.0
6.4
5.8
5.2
4.6
4.0
3.4
2.8
2.2

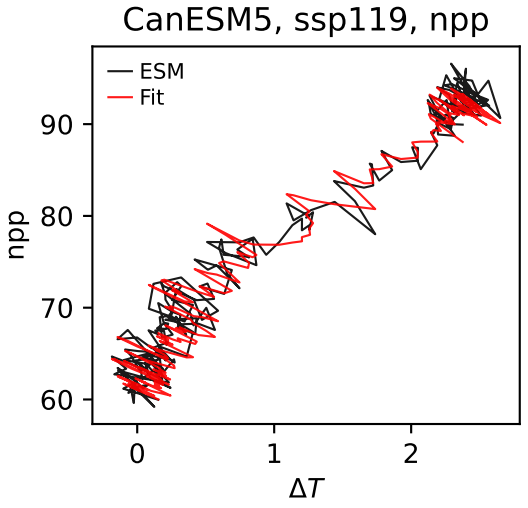

CanESM5, ssp119, sres, ln(MSE/SIGMA)
9498, -0.3779, 0.0000, -0.5400, 0.1662, 0.2000, 0.9777, 0.9887, -0.
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
sres_hyst
CanESM5
−3
−2
−1
0
1
2
3
sres_c_e
10.2
9.3
8.4
7.5
6.6
5.7
4.8
3.9
3.0
2.1

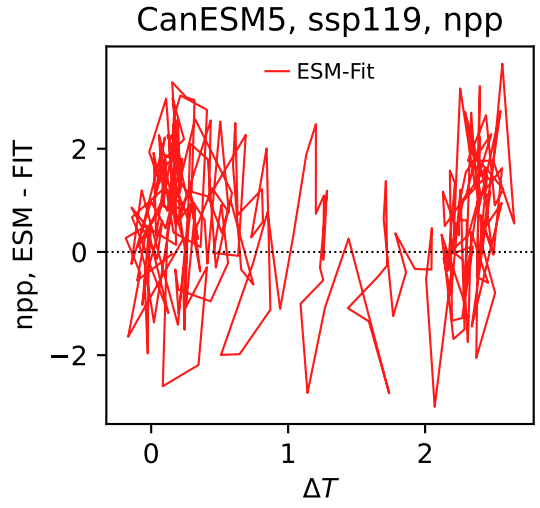

CanESM5, ssp119, sres, ln(MSE/SIGMA)
9498, -0.3779, 0.0000, -0.5400, 0.1662, 0.2000, 0.9777, 0.9887, -0.
0.2
0.0
−0.2
−0.4
−0.6
−0.8
−1.0
sres_c_tan2
−1.0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
sres_c_tan
8.25
7.50
6.75
6.00
5.25
4.50
3.75
3.00
2.25

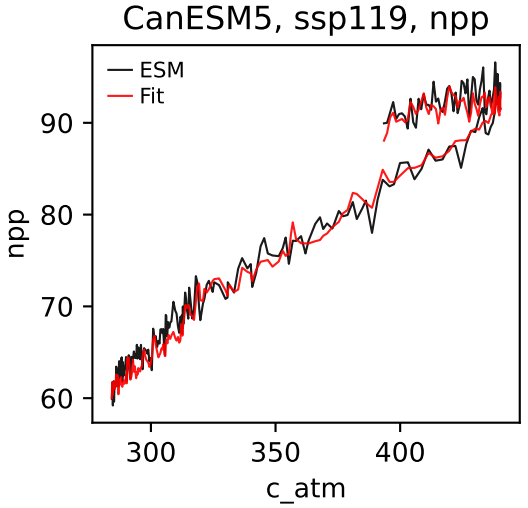

CanESM5, ssp119, sres, ln(MSE/SIGMA)
9498, -0.3779, 0.0000, -0.5400, 0.1662, 0.2000, 0.9777, 0.9887, -0.
CanESM5
1.000
0.975
0.950
0.925
0.900
0.875
0.850
0.825
0.800
sres_slow
0.90
0.92
0.94
0.96
0.98
1.00
sres_fast
7.6
7.0
6.4
5.8
5.2
4.6
4.0
3.4
2.8
2.2

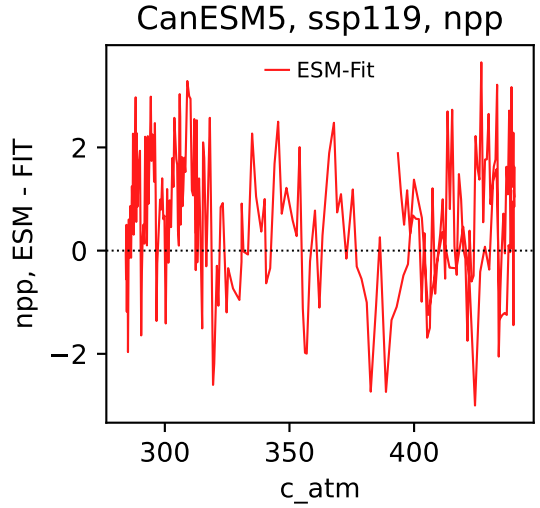

CanESM5, ssp119, npp
ESM
Fit
npp
Year

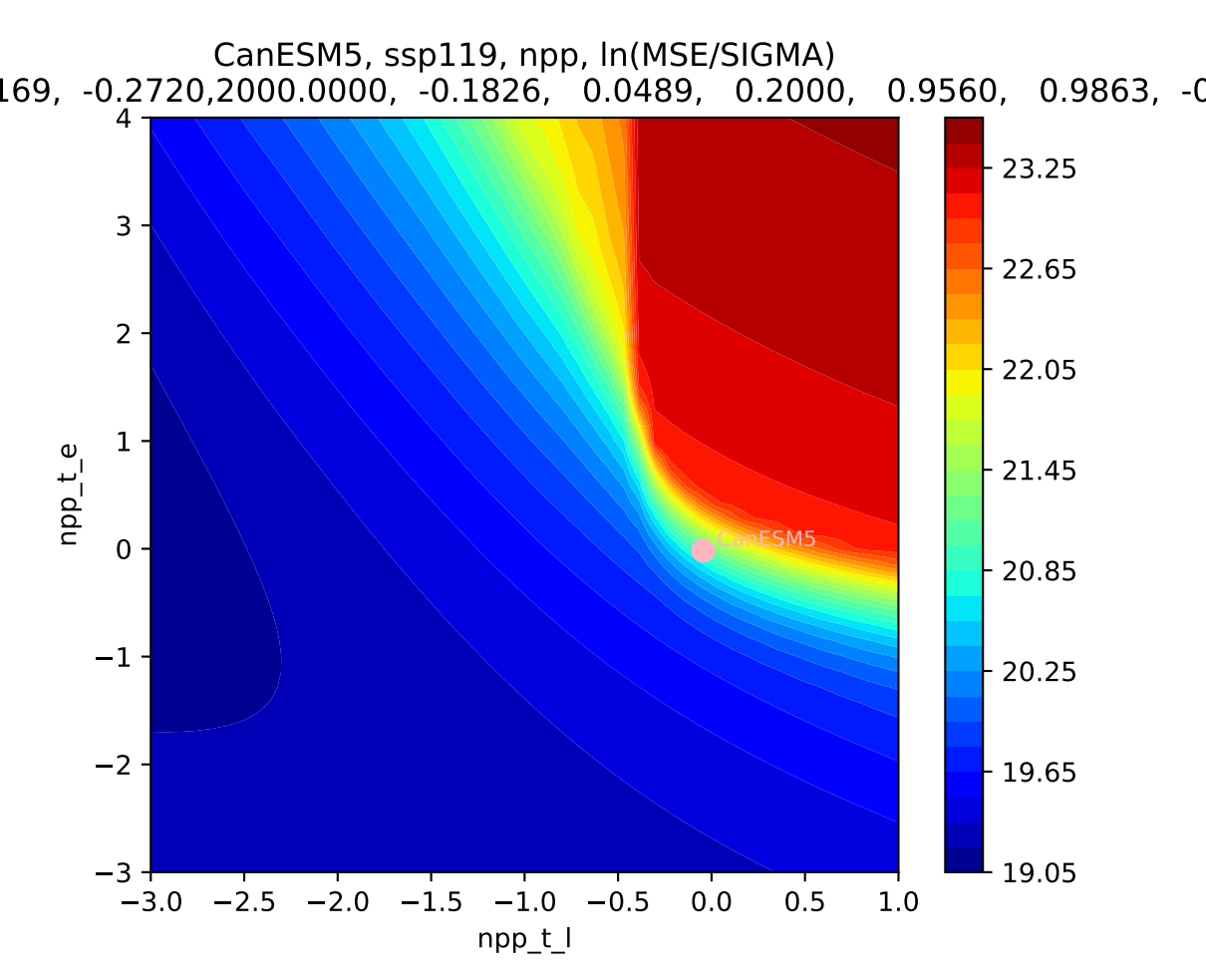

CanESM5, ssp119, npp
ESM-Fit
npp, ESM - FIT
Year

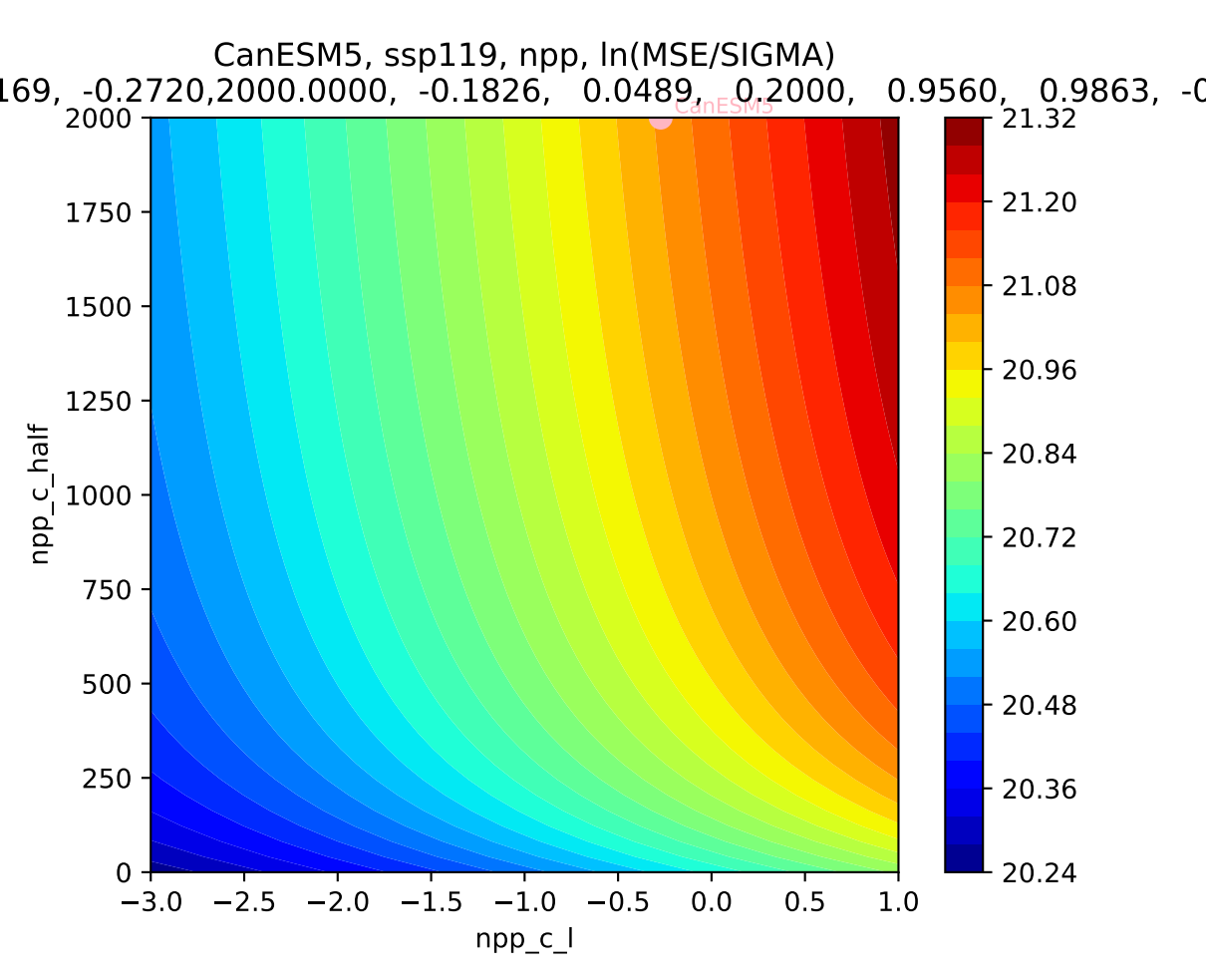

CanESM5, ssp119, npp
ESM
Fit
npp
ΔT

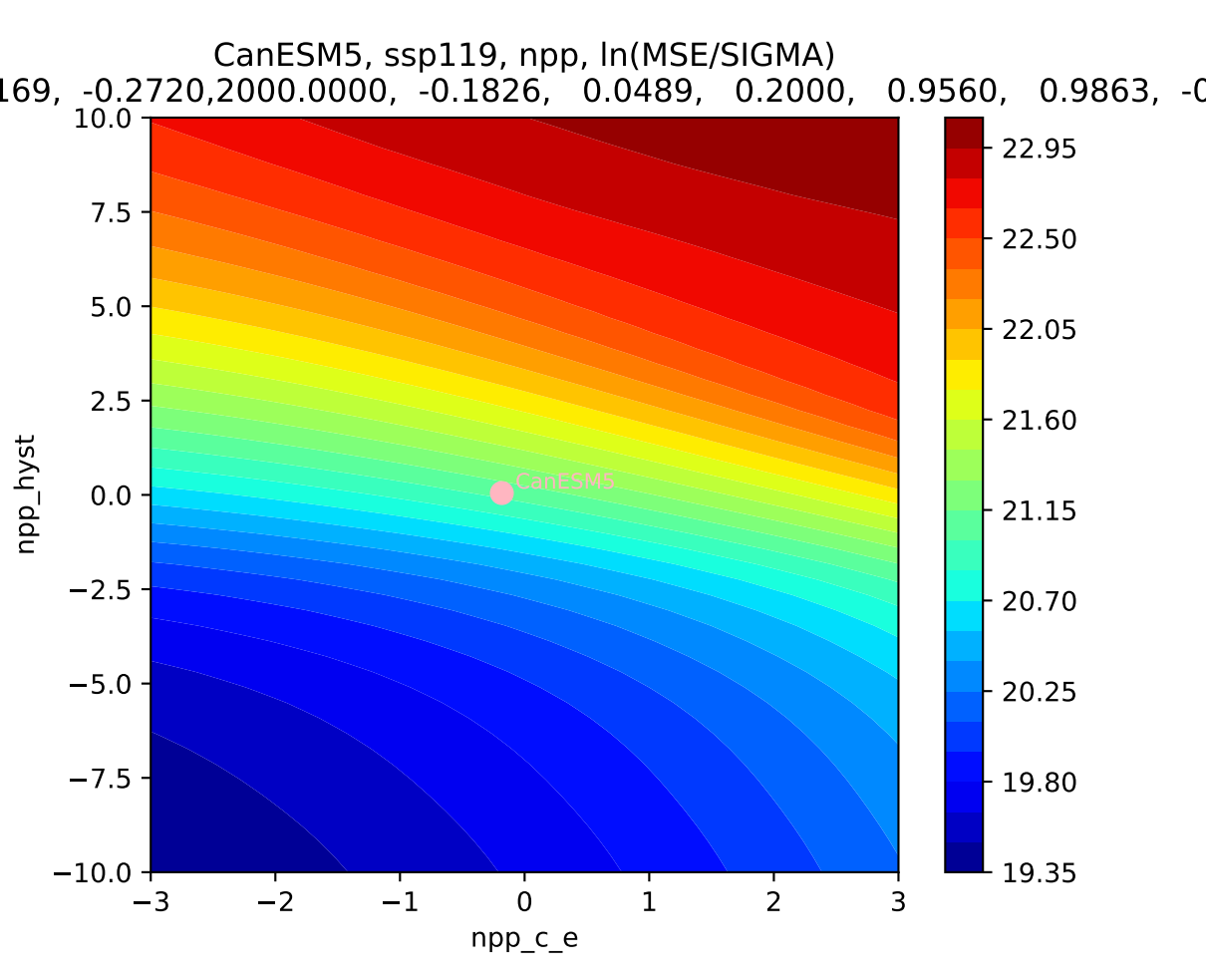

CanESM5, ssp119, npp
ESM-Fit
npp, ESM - FIT
ΔT

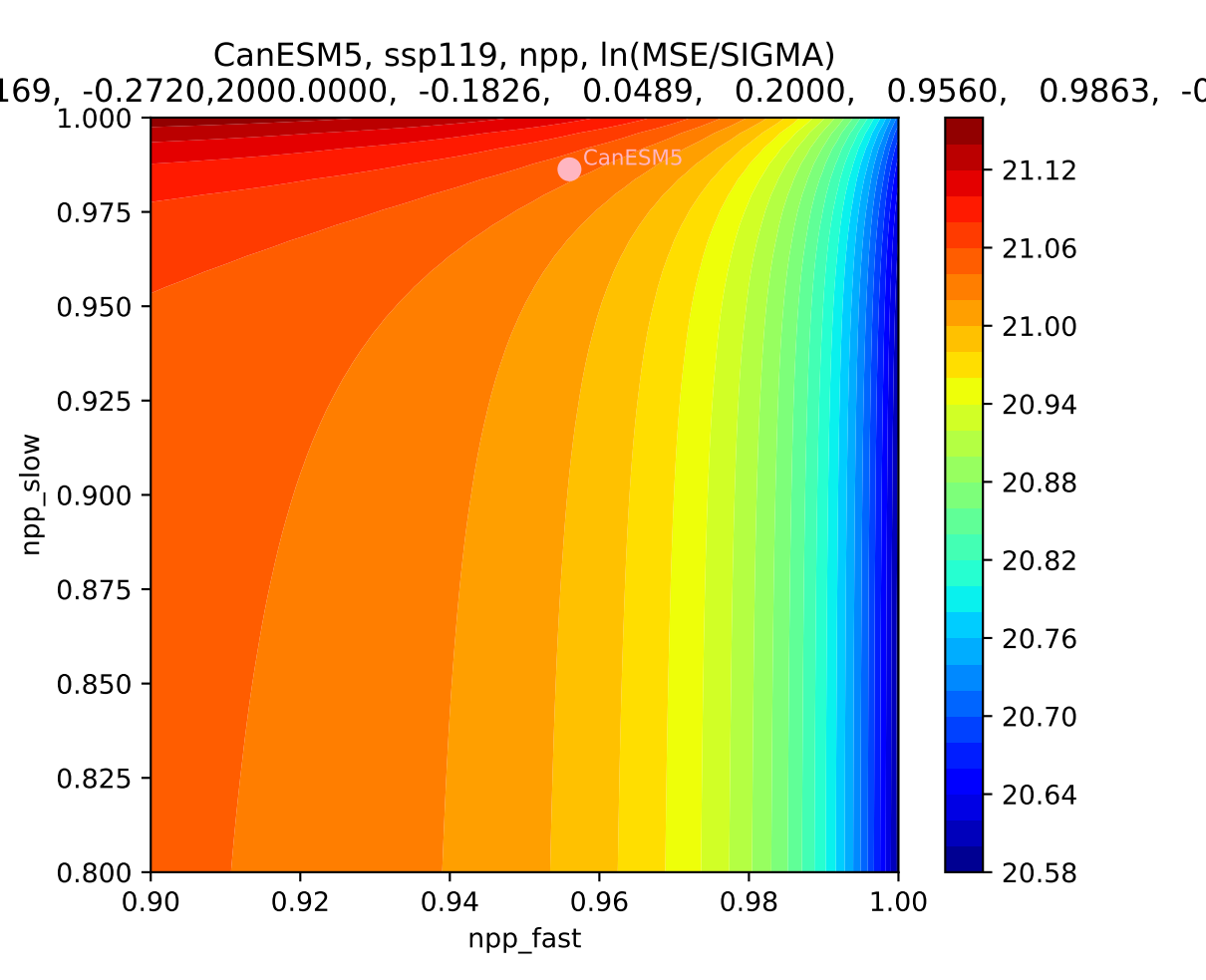

CanESM5, ssp119, npp
ESM
Fit
npp
c_atm


CanESM5, ssp119, npp
ESM-Fit
npp, ESM - FIT
c_atm


CanESM5, ssp119, npp, ln(MSE/SIGMA)
169, -0.2720,2000.0000, -0.1826, 0.0489, 0.2000, 0.9560, 0.9863, -0
CanESM5
npp_t_e
npp_t_l
4
3
2
1
0
−1
−2
−3
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
23.25
22.65
22.05
21.45
20.85
20.25
19.65
19.05


CanESM5, ssp119, npp, ln(MSE/SIGMA)
169, -0.2720,2000.0000, -0.1826, 0.0489, 0.2000, 0.9560, 0.9863, -0
CanESM5
2000
1750
1500
1250
1000
750
500
250
0
npp_c_half
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
npp_c_l
21.32
21.20
21.08
20.96
20.84
20.72
20.60
20.48
20.36
20.24


CanESM5, ssp119, npp, ln(MSE/SIGMA)
169, -0.2720,2000.0000, -0.1826, 0.0489, 0.2000, 0.9560, 0.9863, -0
CanESM5
npp_hyst
npp_c_e
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
−3
−2
−1
0
1
2
3
22.95
22.50
22.05
21.60
21.15
20.70
20.25
19.80
19.35


CanESM5, ssp119, npp, ln(MSE/SIGMA)
169, -0.2720,2000.0000, -0.1826, 0.0489, 0.2000, 0.9560, 0.9863, -0
CanESM5
1.000
0.975
0.950
0.925
0.900
0.875
0.850
0.825
0.800
npp_slow
0.90
0.92
0.94
0.96
0.98
1.00
npp_fast
21.12
21.06
21.00
20.94
20.88
20.82
20.76
20.70
20.64
20.58