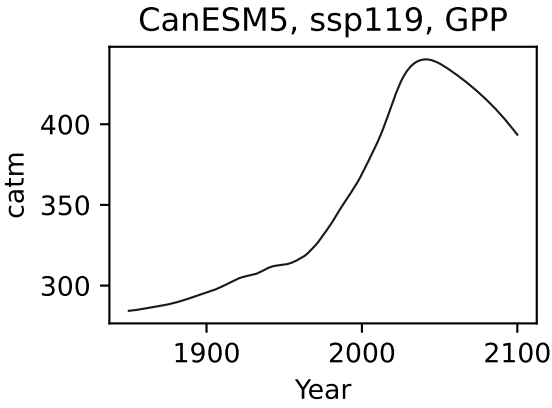
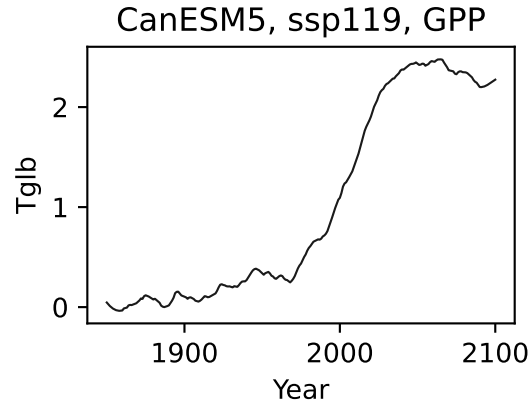
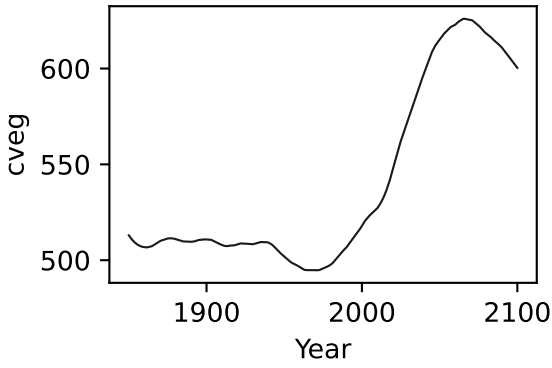
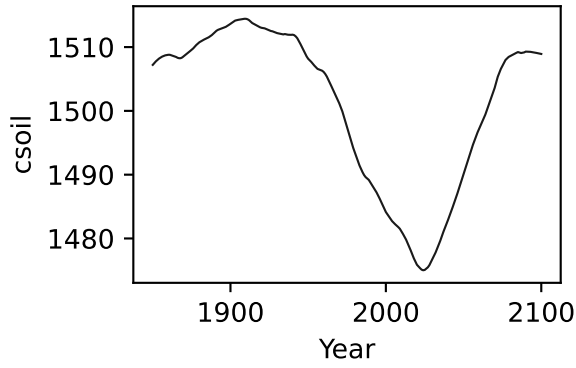
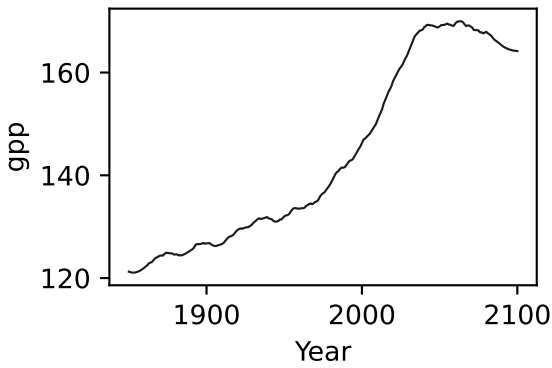
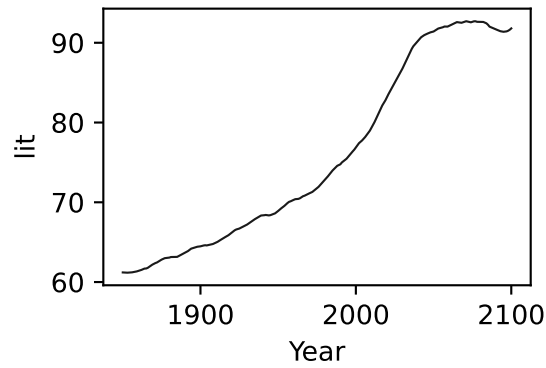

CanESM5, ssp119, GPP
catm
400
350
300
1900
2000
2100
Year

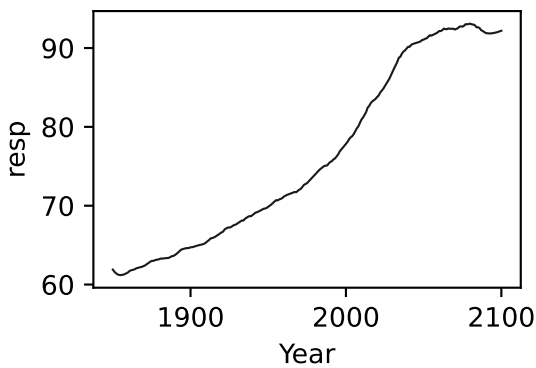

CanESM5, ssp119, GPP
Tglb
2
1
0
1900
2000
2100
Year

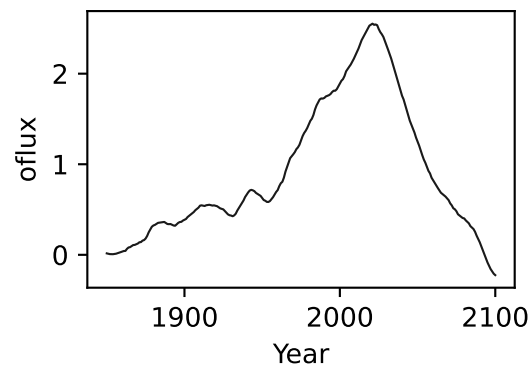

cveg
600
550
500
1900
2000
2100
Year

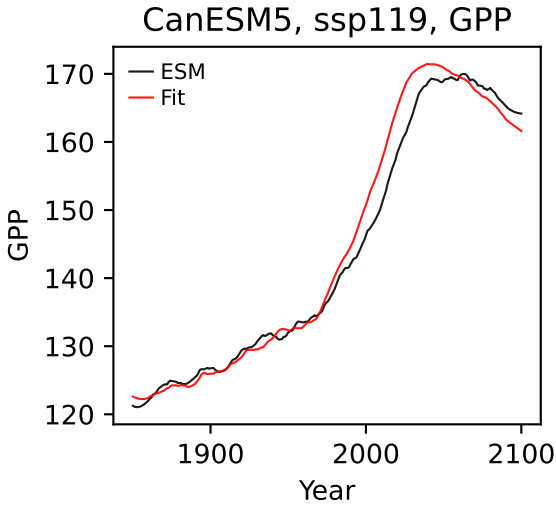

csoil
1510
1500
1490
1480
1900
2000
2100
Year

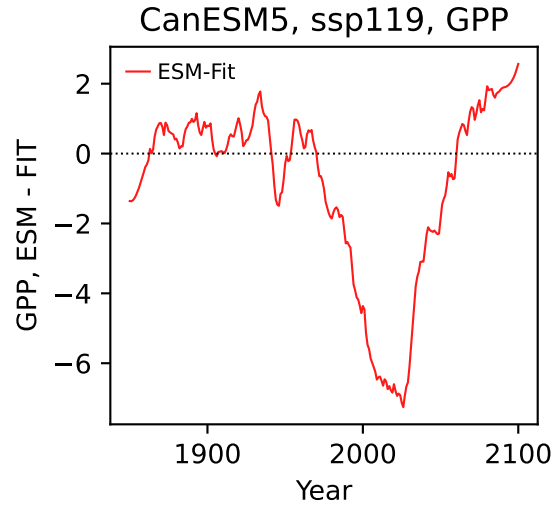

gpp
160
140
120
1900
2000
2100
Year

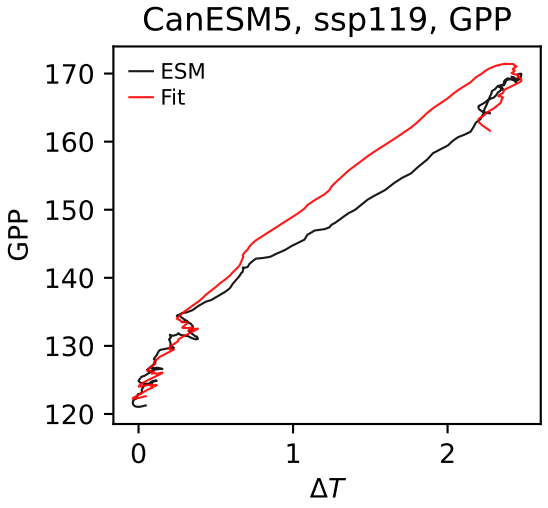

lit
90
80
70
60
1900
2000
2100
Year

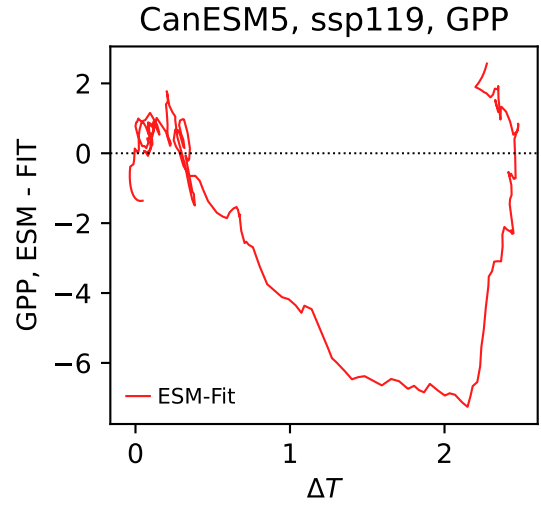

resp
90
80
70
60
1900
2000
2100
Year

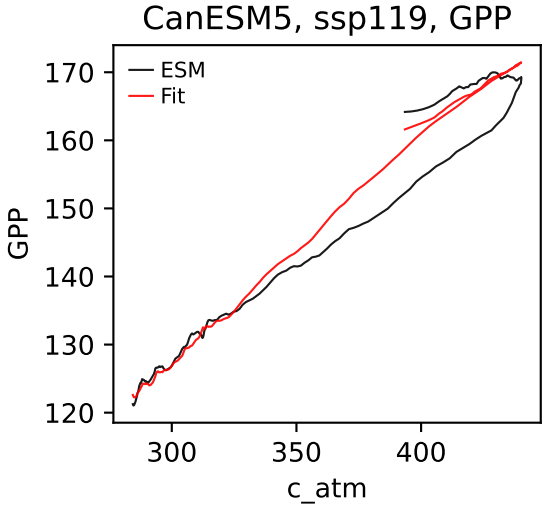

oflux
2
1
0
1900
2000
2100
Year

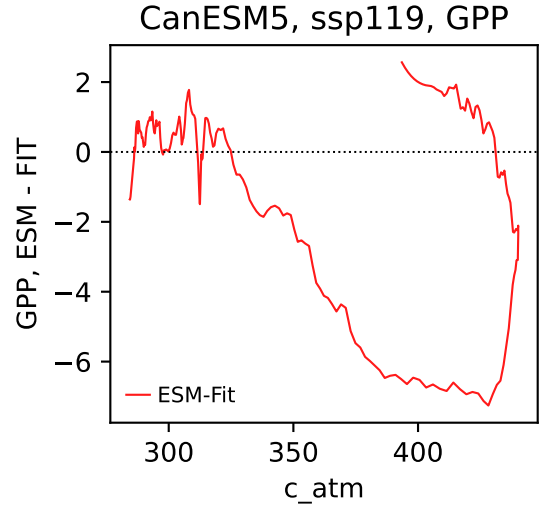

CanESM5, ssp119, GPP
ESM
Fit
GPP
Year

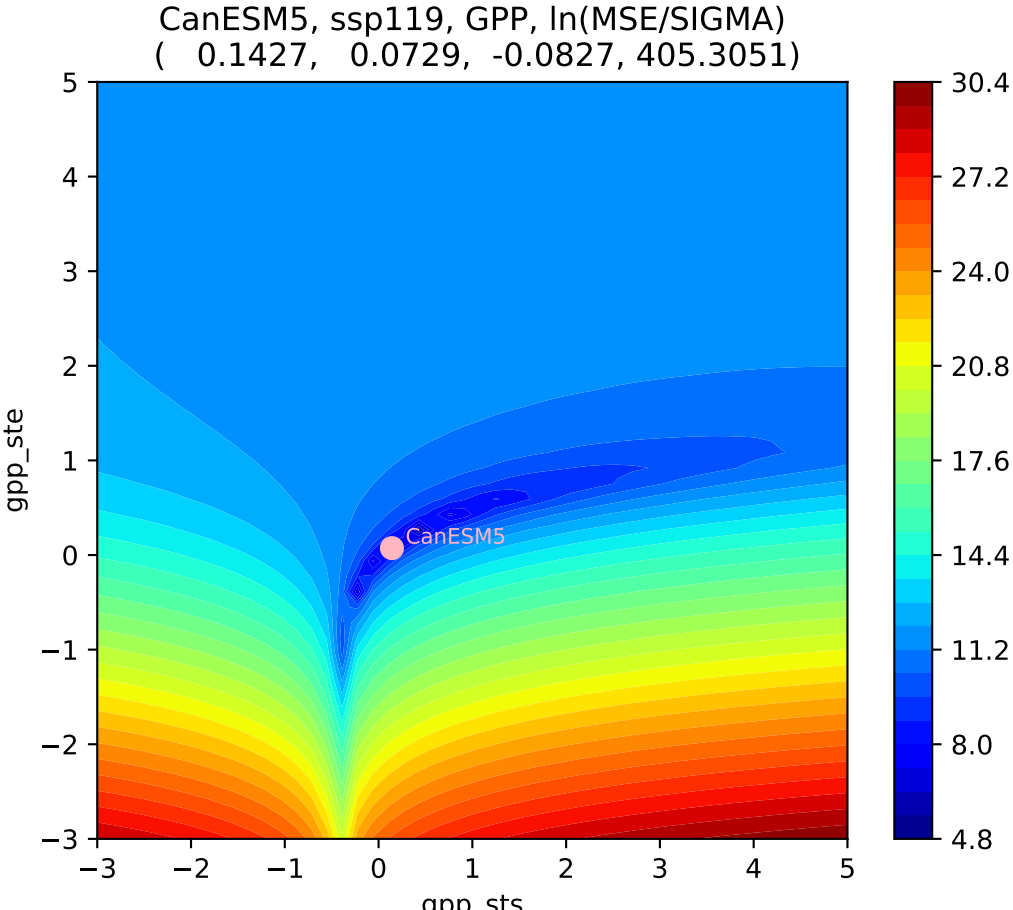

CanESM5, ssp119, GPP
ESM-Fit
GPP, ESM - FIT
Year

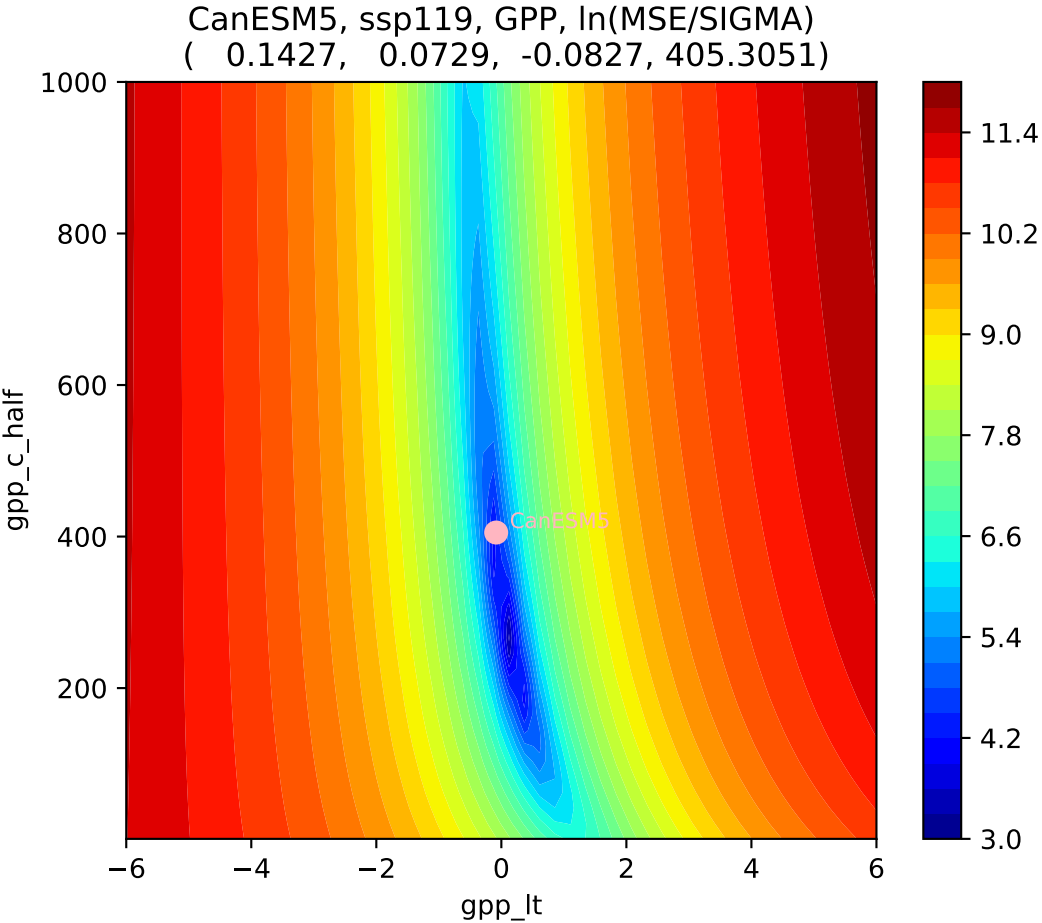

CanESM5, ssp119, GPP
ESM
Fit
GPP
ΔT

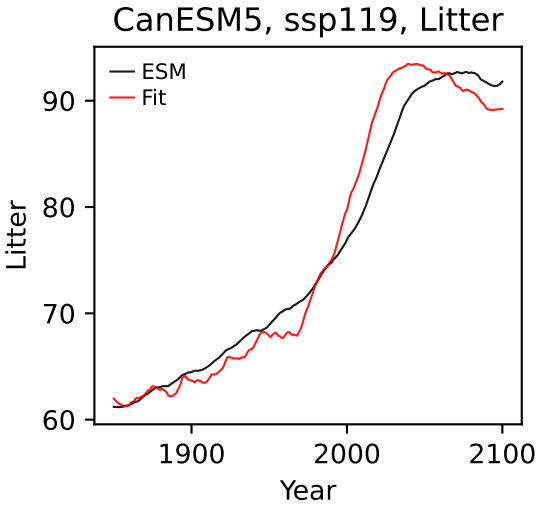

CanESM5, ssp119, GPP
ESM-Fit
GPP, ESM - FIT
ΔT

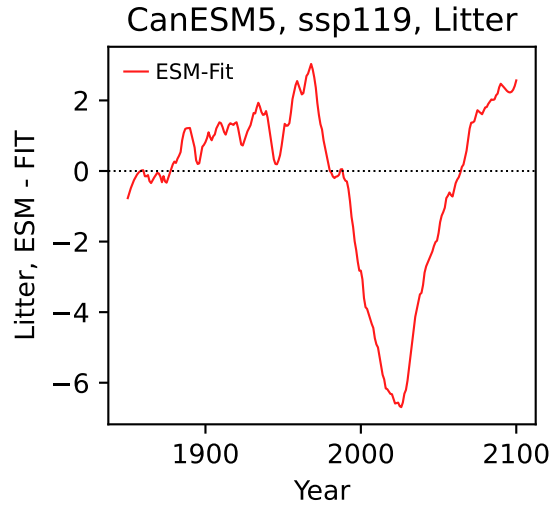

CanESM5, ssp119, GPP
ESM
Fit
GPP
c_atm

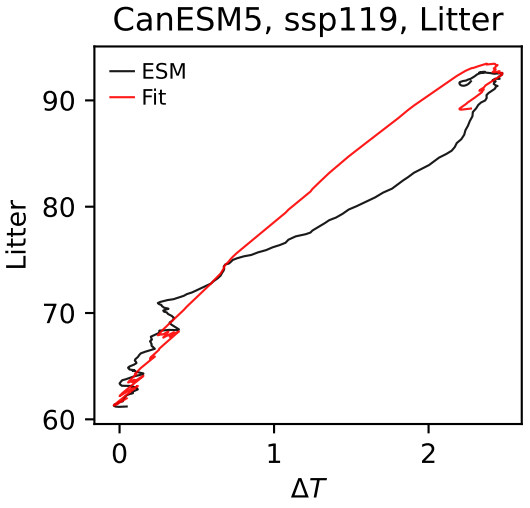

CanESM5, ssp119, GPP
ESM-Fit
GPP, ESM - FIT
c_atm

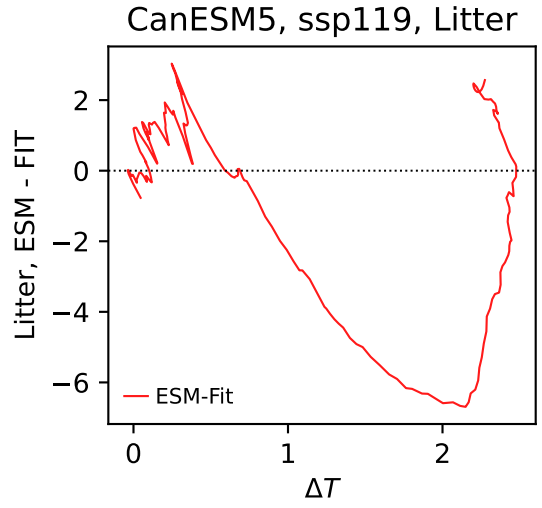

CanESM5, ssp119, GPP, ln(MSE/SIGMA)
(  0.1427,  0.0729, -0.0827, 405.3051)
CanESM5
gpp_ste
gpp_sts
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
30.4
27.2
24.0
20.8
17.6
14.4
11.2
8.0
4.8

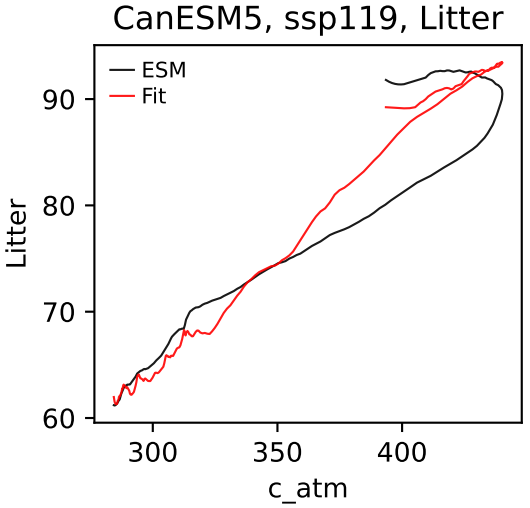

CanESM5, ssp119, GPP, ln(MSE/SIGMA)
(  0.1427,  0.0729, -0.0827, 405.3051)
1000
800
600
400
200
gpp_c_half
CanESM5
−6
−4
−2
0
2
4
6
gpp_lt
11.4
10.2
9.0
7.8
6.6
5.4
4.2
3.0

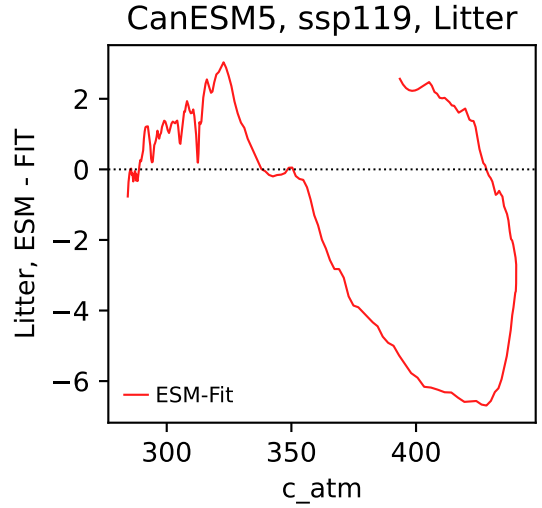

CanESM5, ssp119, Litter
ESM
Fit
Litter
Year
60
70
80
90
1900
2000
2100

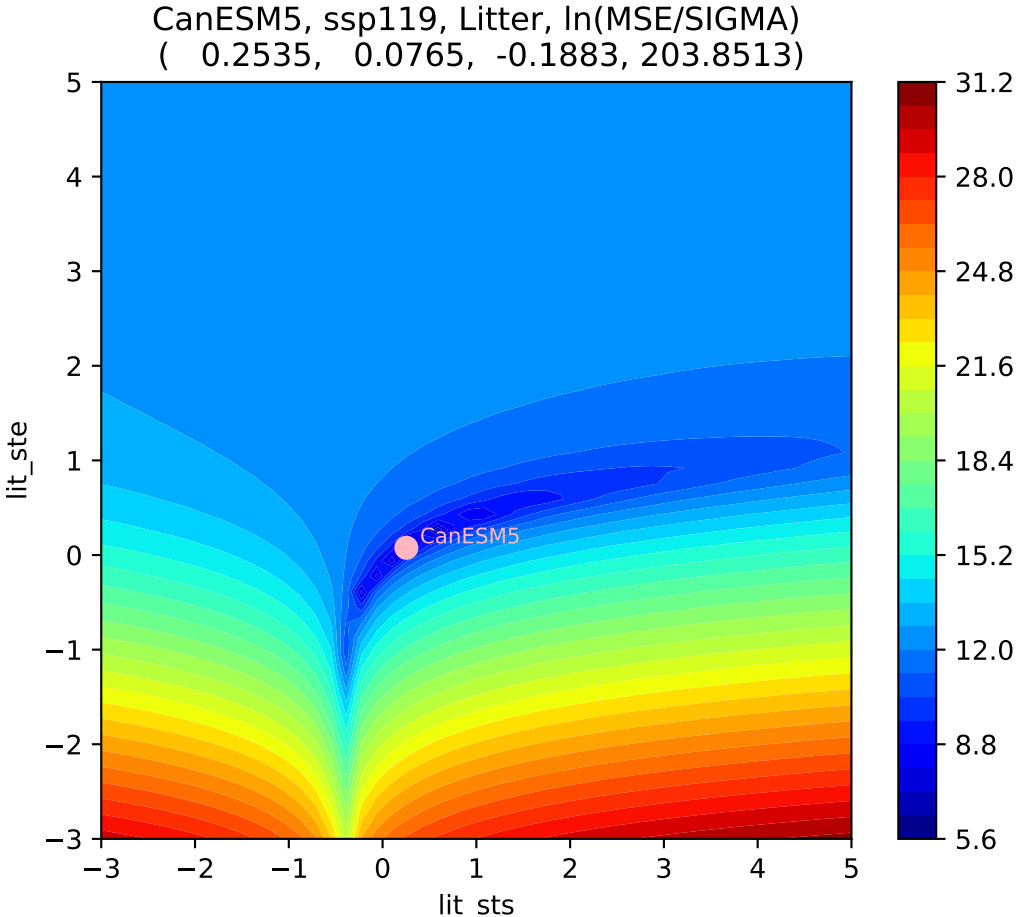

CanESM5, ssp119, Litter
ESM-Fit
Litter, ESM - FIT
Year
−6
−4
−2
0
2
1900
2000
2100

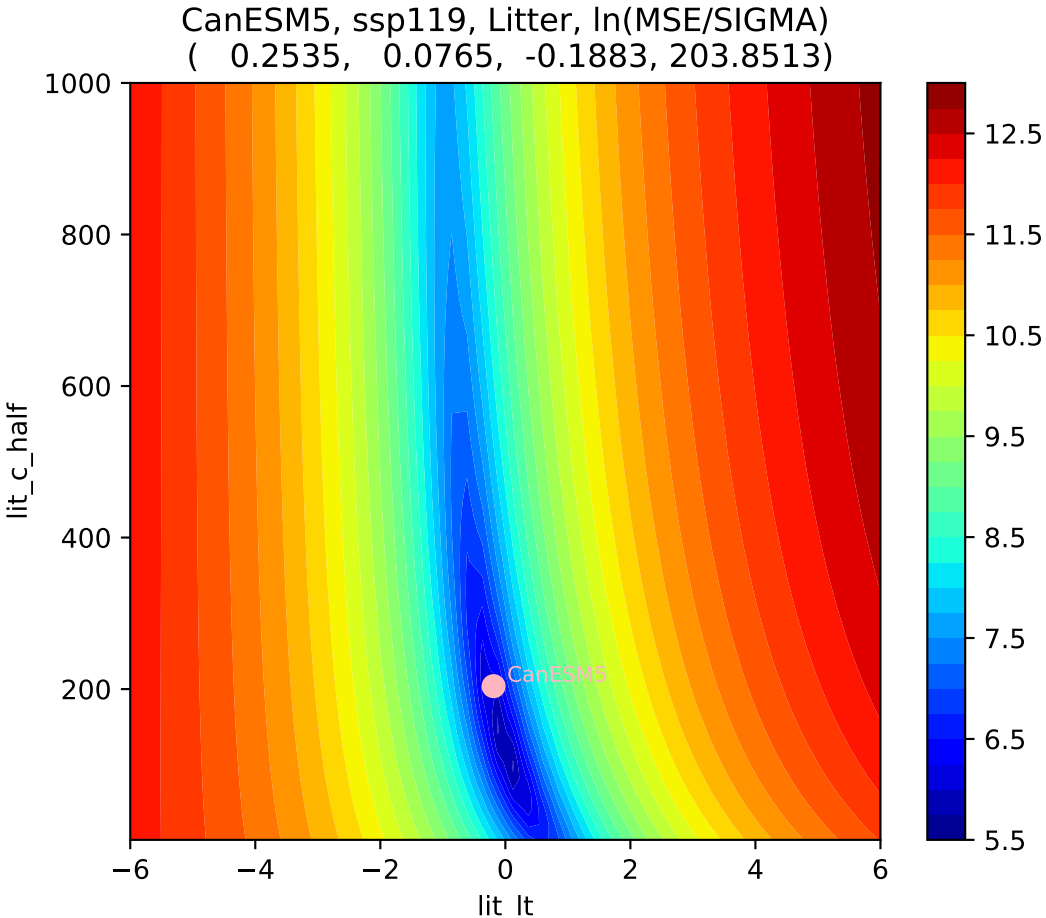

CanESM5, ssp119, Litter
ESM
Fit
Litter
ΔT
60
70
80
90
0
1
2

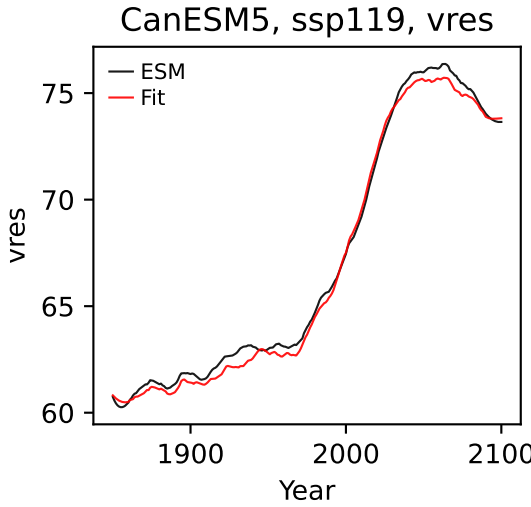

CanESM5, ssp119, Litter
ESM-Fit
Litter, ESM - FIT
ΔT
−6
−4
−2
0
2
0
1
2

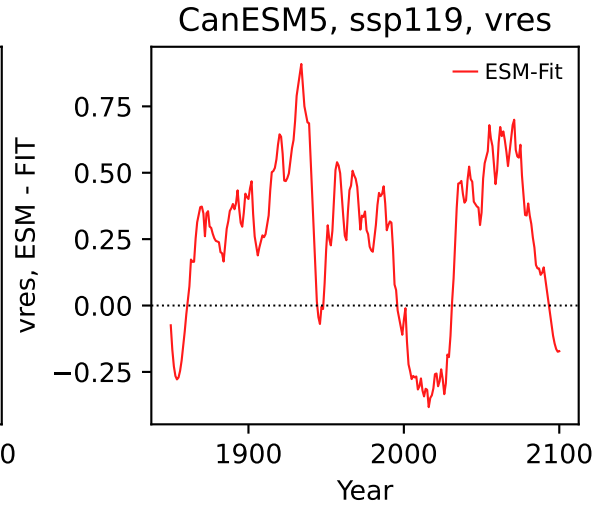

CanESM5, ssp119, Litter
ESM
Fit
Litter
c_atm
60
70
80
90
300
350
400

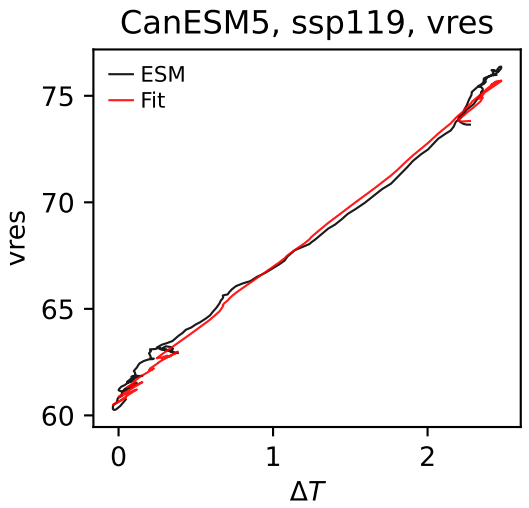

CanESM5, ssp119, Litter
ESM-Fit
Litter, ESM - FIT
c_atm
−6
−4
−2
0
2
300
350
400

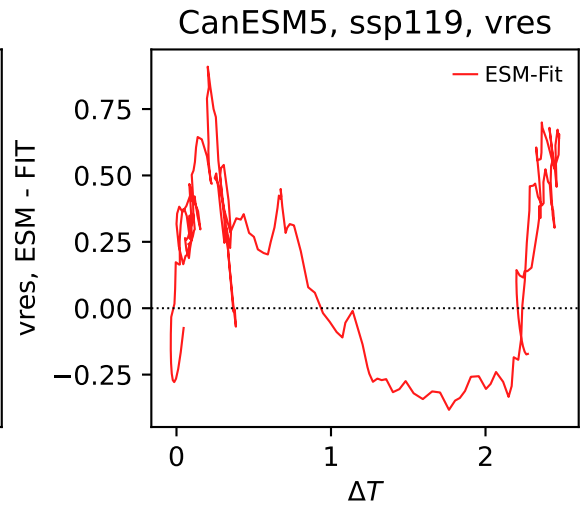

CanESM5, ssp119, Litter, ln(MSE/SIGMA)
( 0.2535, 0.0765, -0.1883, 203.8513)
CanESM5
lit_ste
lit_sts
5
4
3
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
3
4
5
31.2
28.0
24.8
21.6
18.4
15.2
12.0
8.8
5.6

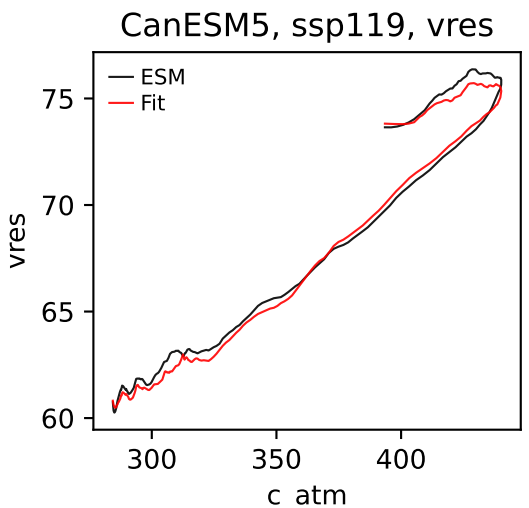

CanESM5, ssp119, Litter, ln(MSE/SIGMA)
( 0.2535, 0.0765, -0.1883, 203.8513)
1000
800
600
400
200
lit_c_half
−6
−4
−2
0
2
4
6
lit_lt
CanESM5
12.5
11.5
10.5
9.5
8.5
7.5
6.5
5.5

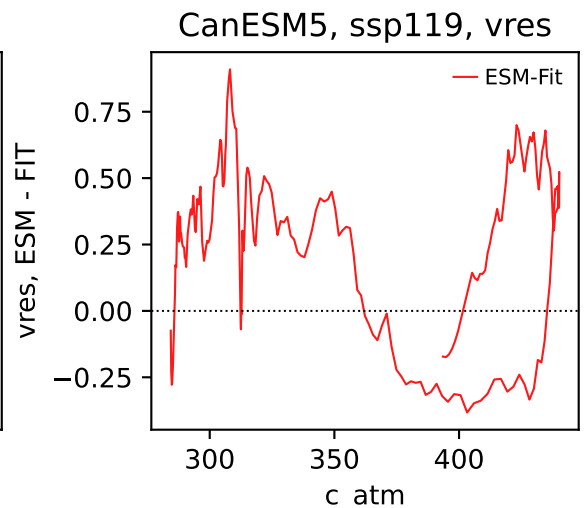

CanESM5, ssp119, vres
ESM
Fit
vres
Year

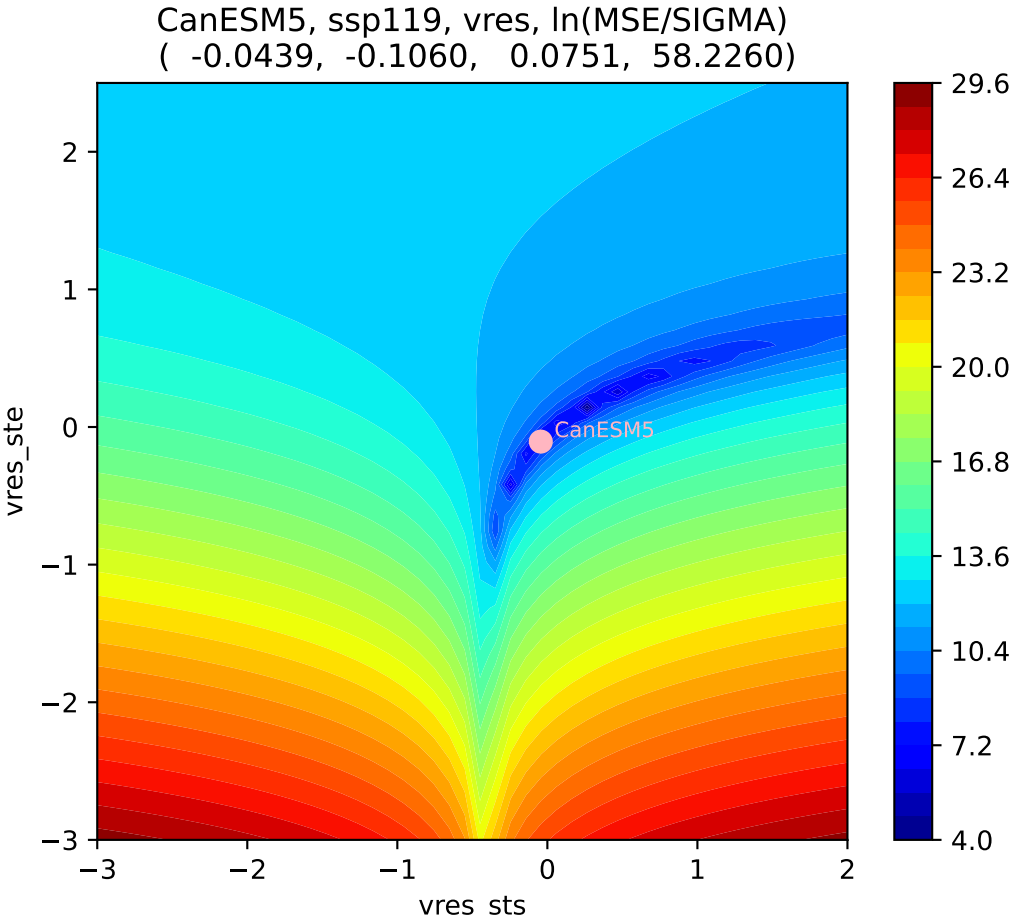

CanESM5, ssp119, vres
ESM-Fit
vres, ESM - FIT
Year

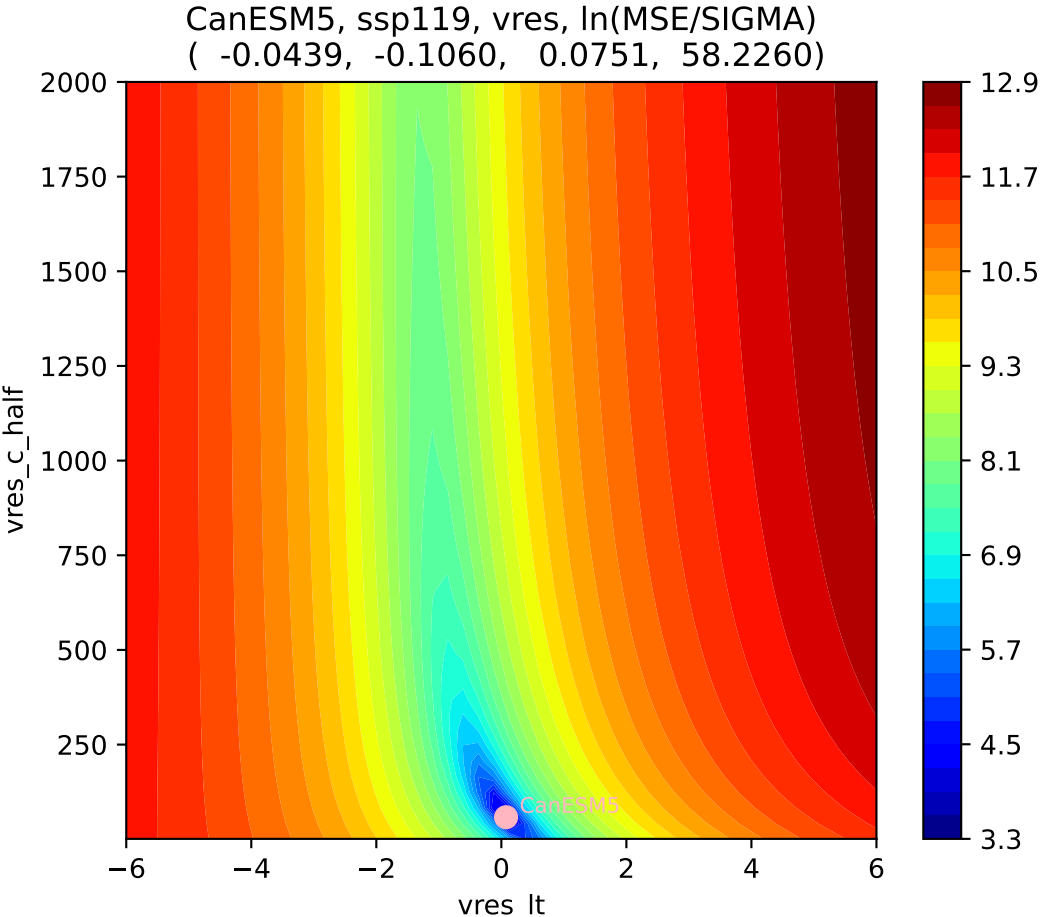

CanESM5, ssp119, vres
ESM
Fit
vres
ΔT

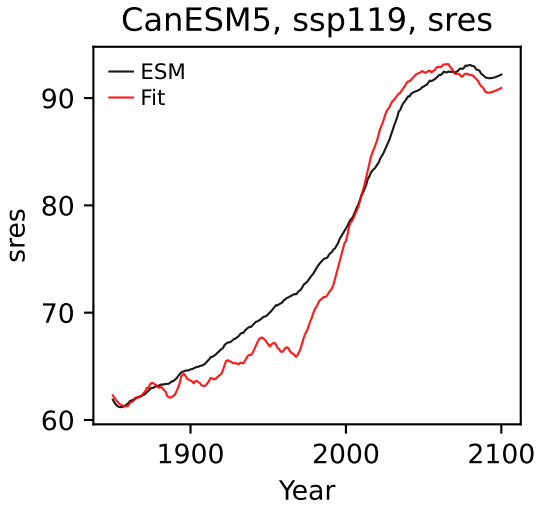

CanESM5, ssp119, vres
ESM-Fit
vres, ESM - FIT
ΔT

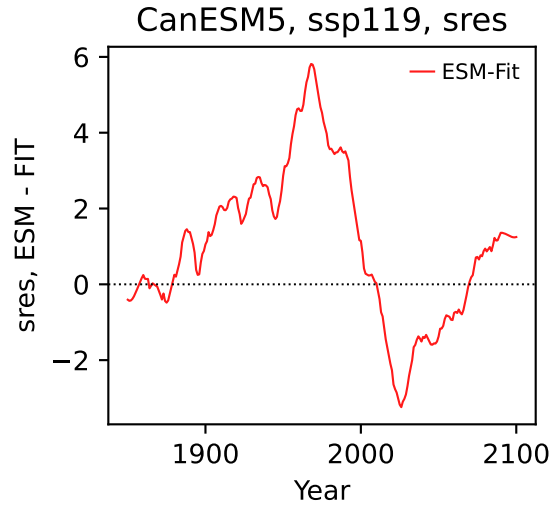

CanESM5, ssp119, vres
ESM
Fit
vres
c_atm

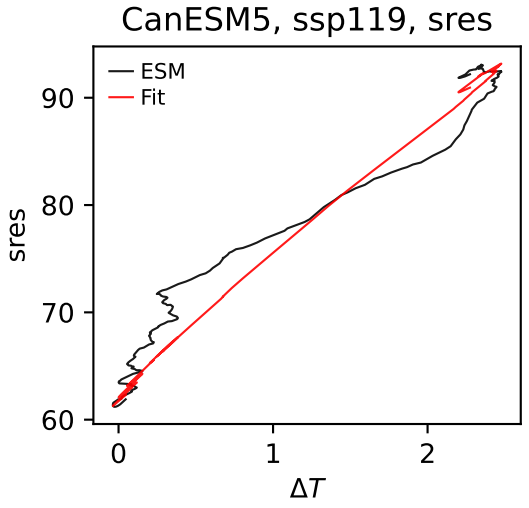

CanESM5, ssp119, vres
ESM-Fit
vres, ESM - FIT
c_atm

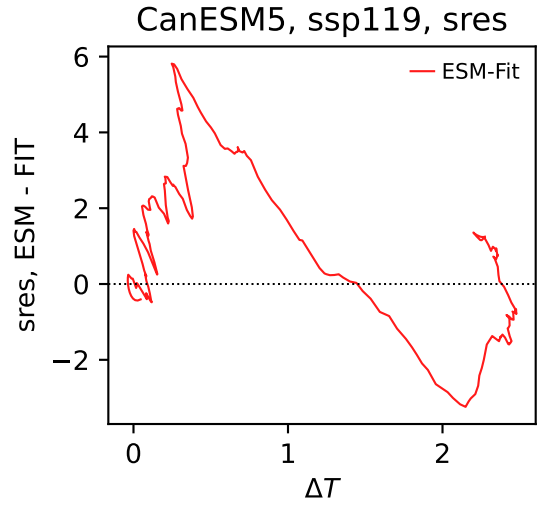

CanESM5, ssp119, vres, ln(MSE/SIGMA)
( -0.0439, -0.1060, 0.0751, 58.2260)
CanESM5
vres_ste
vres_sts
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
29.6
26.4
23.2
20.0
16.8
13.6
10.4
7.2
4.0

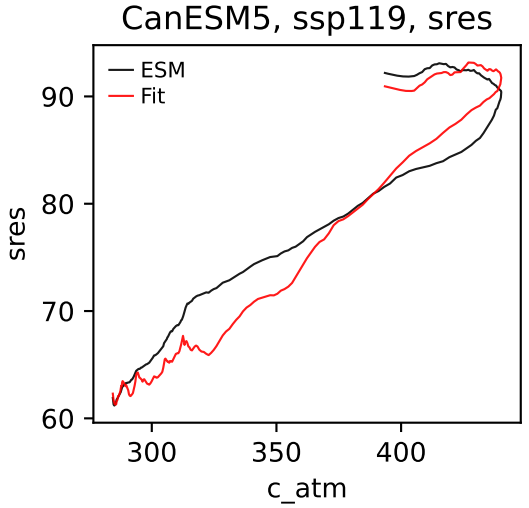

CanESM5, ssp119, vres, ln(MSE/SIGMA)
( -0.0439, -0.1060, 0.0751, 58.2260)
2000
1750
1500
1250
1000
750
500
250
vres_c_half
−6
−4
−2
0
2
4
6
vres_lt
CanESM5
12.9
11.7
10.5
9.3
8.1
6.9
5.7
4.5
3.3

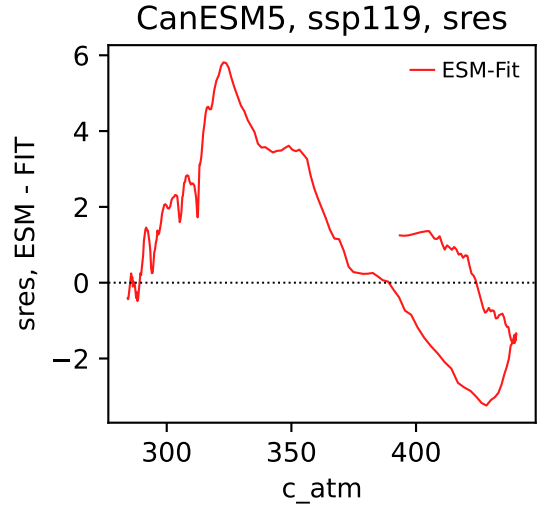

CanESM5, ssp119, sres
ESM
Fit
sres
Year
60
70
80
90
1900
2000
2100

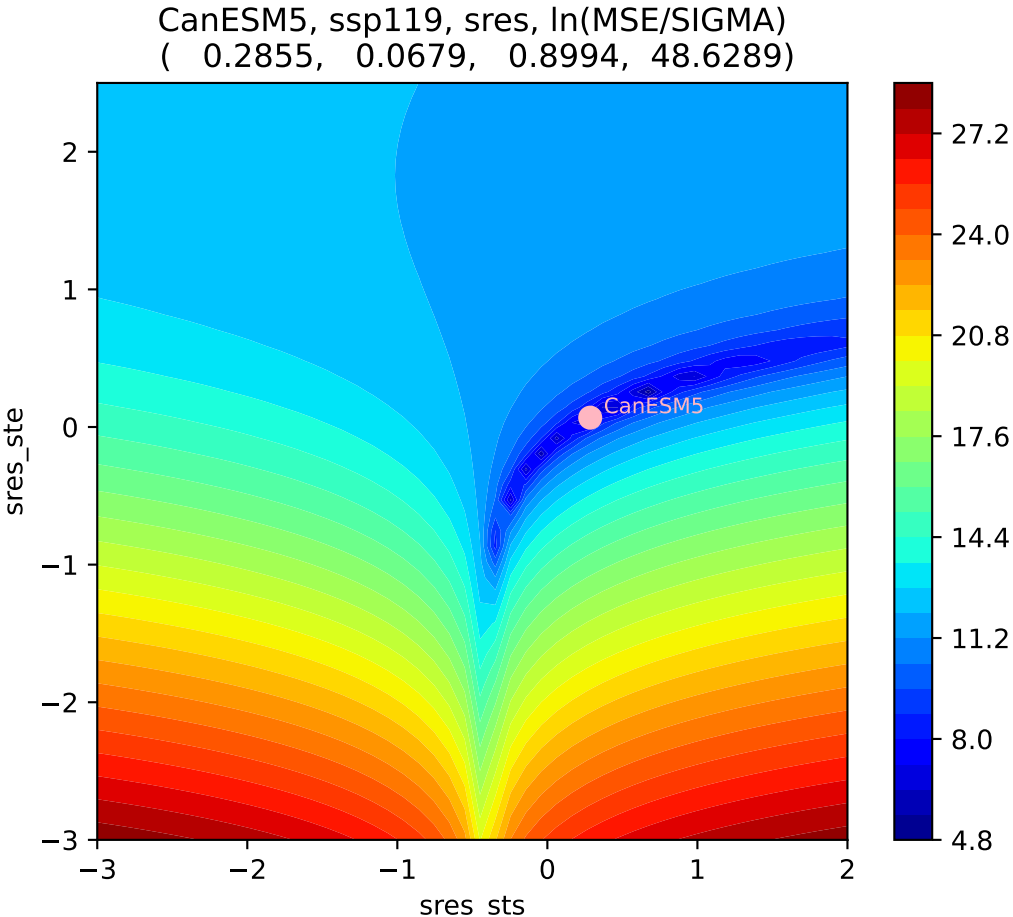

CanESM5, ssp119, sres
ESM-Fit
sres, ESM - FIT
Year
−2
0
2
4
6
1900
2000
2100

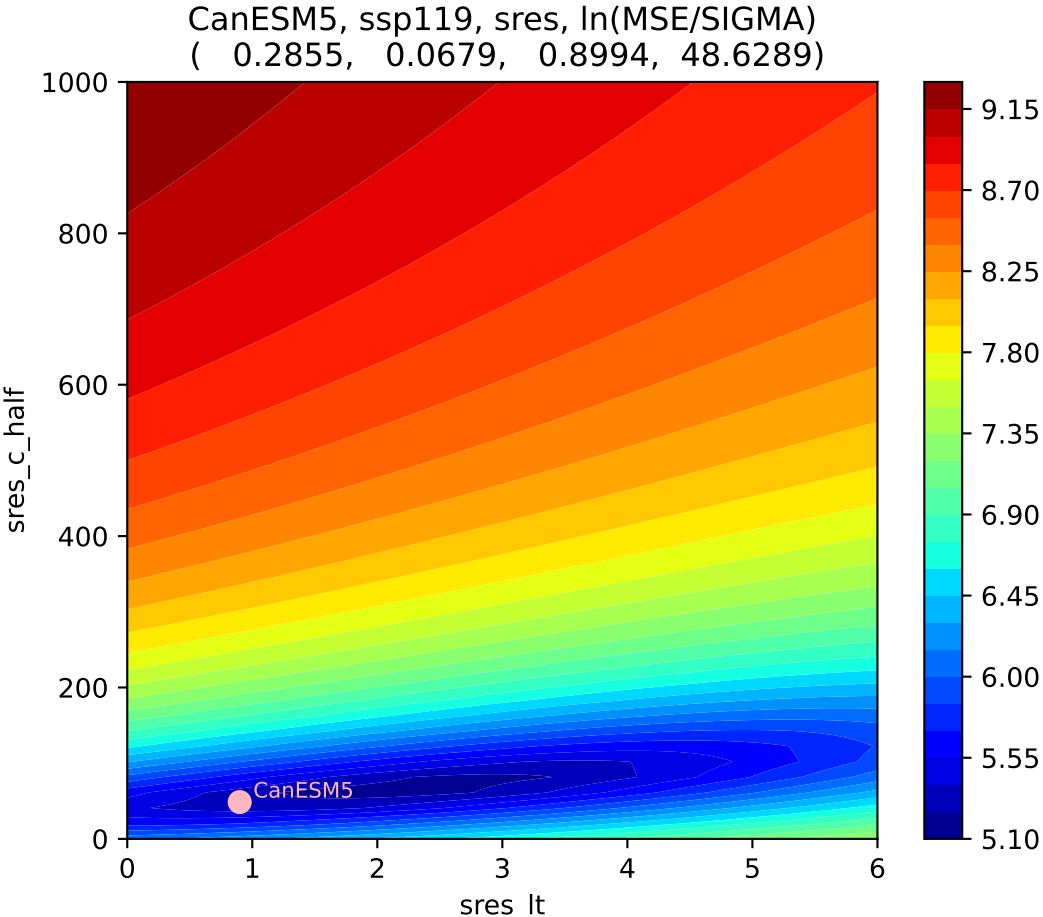

CanESM5, ssp119, sres
ESM
Fit
sres
ΔT
60
70
80
90
0
1
2

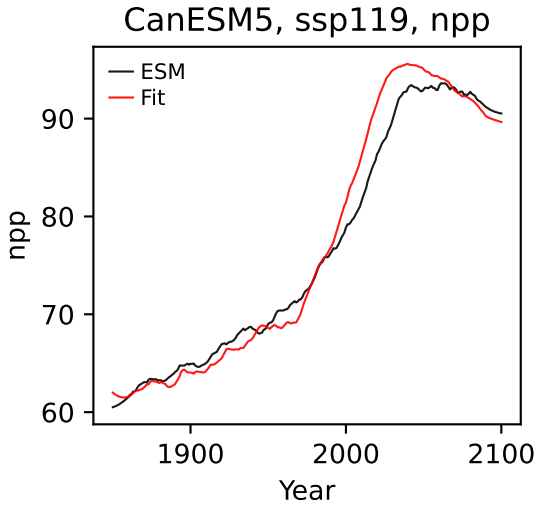

CanESM5, ssp119, sres
ESM-Fit
sres, ESM - FIT
ΔT
−2
0
2
4
6
0
1
2

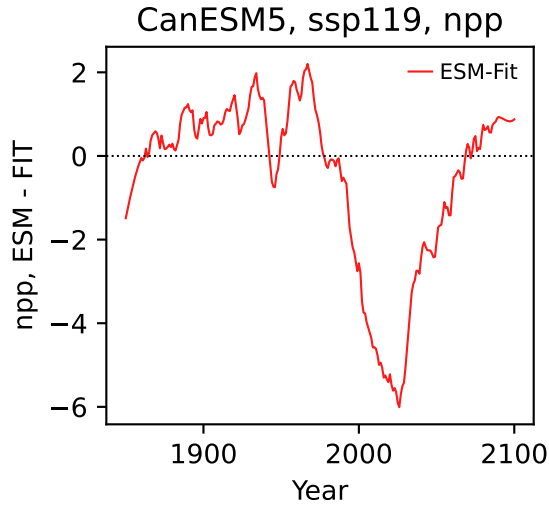

CanESM5, ssp119, sres
ESM
Fit
sres
c_atm
60
70
80
90
300
350
400

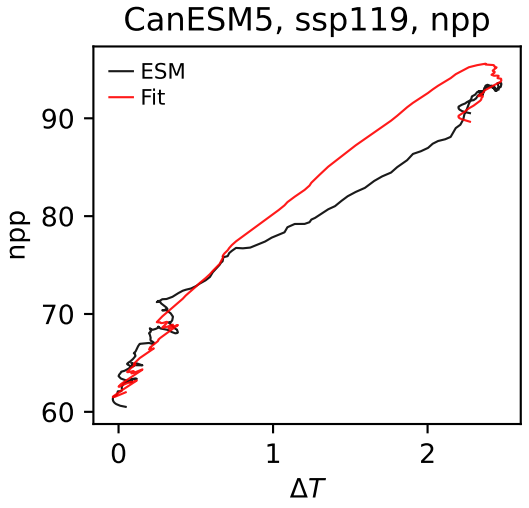

CanESM5, ssp119, sres
ESM-Fit
sres, ESM - FIT
c_atm
−2
0
2
4
6
300
350
400

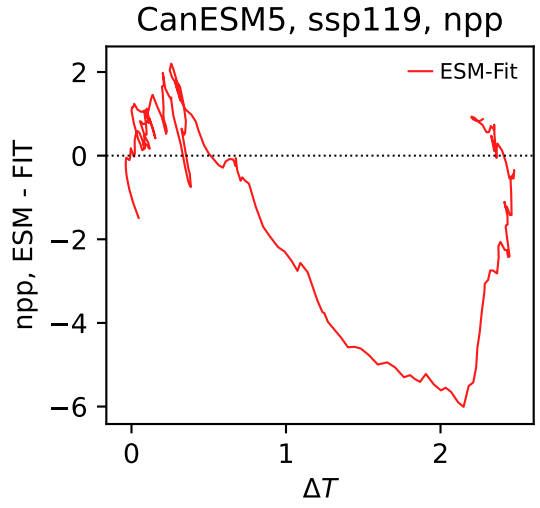

CanESM5, ssp119, sres, ln(MSE/SIGMA)
( 0.2855, 0.0679, 0.8994, 48.6289)
CanESM5
sres_ste
sres_sts
2
1
0
−1
−2
−3
−3
−2
−1
0
1
2
27.2
24.0
20.8
17.6
14.4
11.2
8.0
4.8

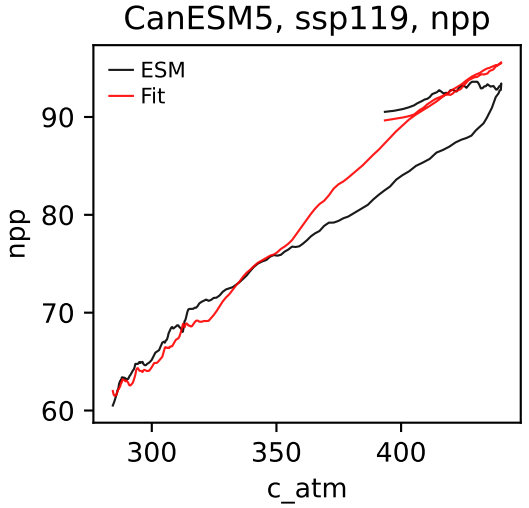

CanESM5, ssp119, sres, ln(MSE/SIGMA)
( 0.2855, 0.0679, 0.8994, 48.6289)
sres_c_half
sres_lt
CanESM5
1000
800
600
400
200
0
0
1
2
3
4
5
6
9.15
8.70
8.25
7.80
7.35
6.90
6.45
6.00
5.55
5.10

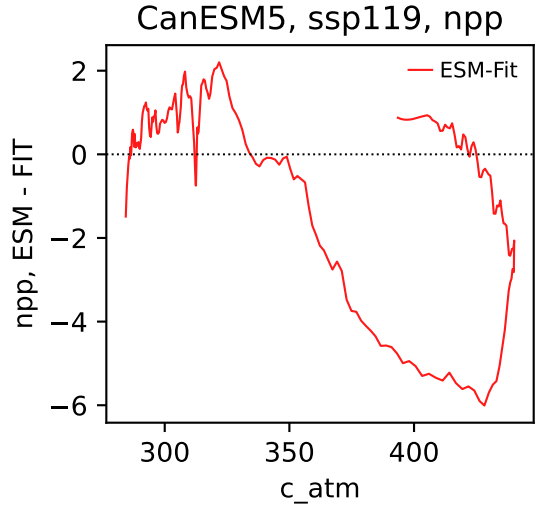

CanESM5, ssp119, npp
ESM
Fit
npp
Year

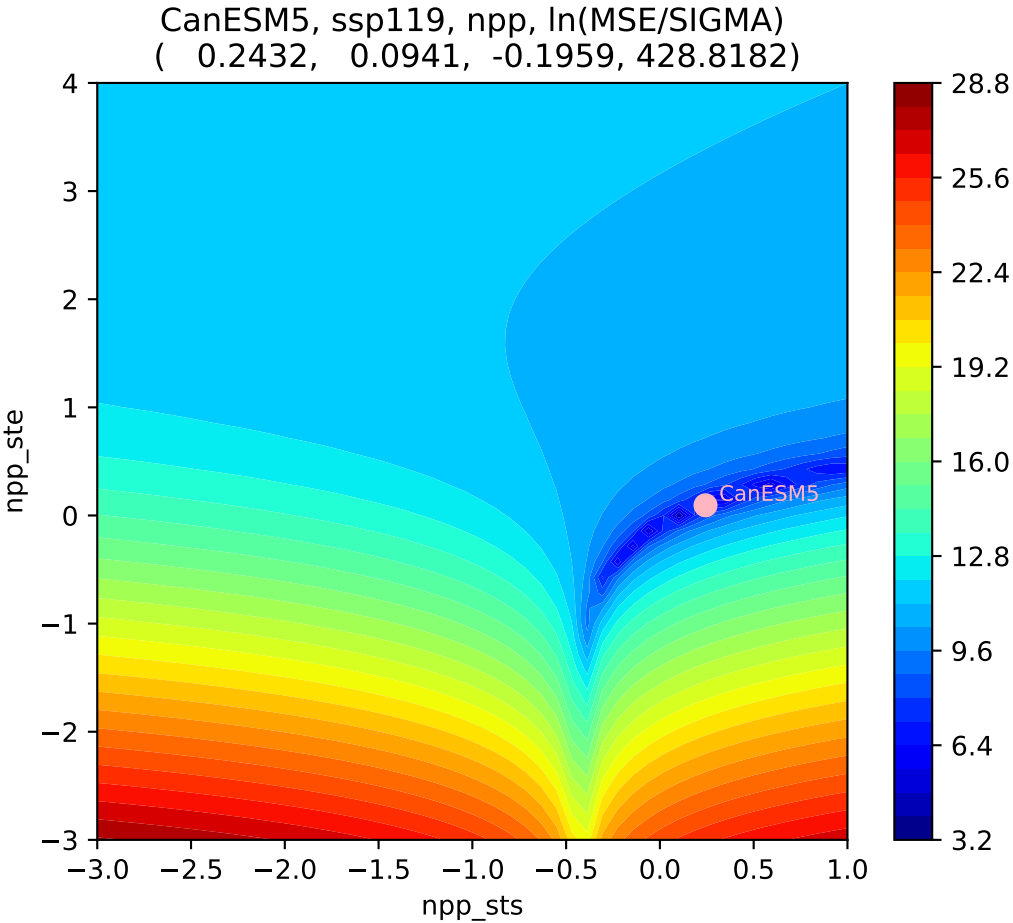

CanESM5, ssp119, npp
ESM-Fit
npp, ESM - FIT
Year

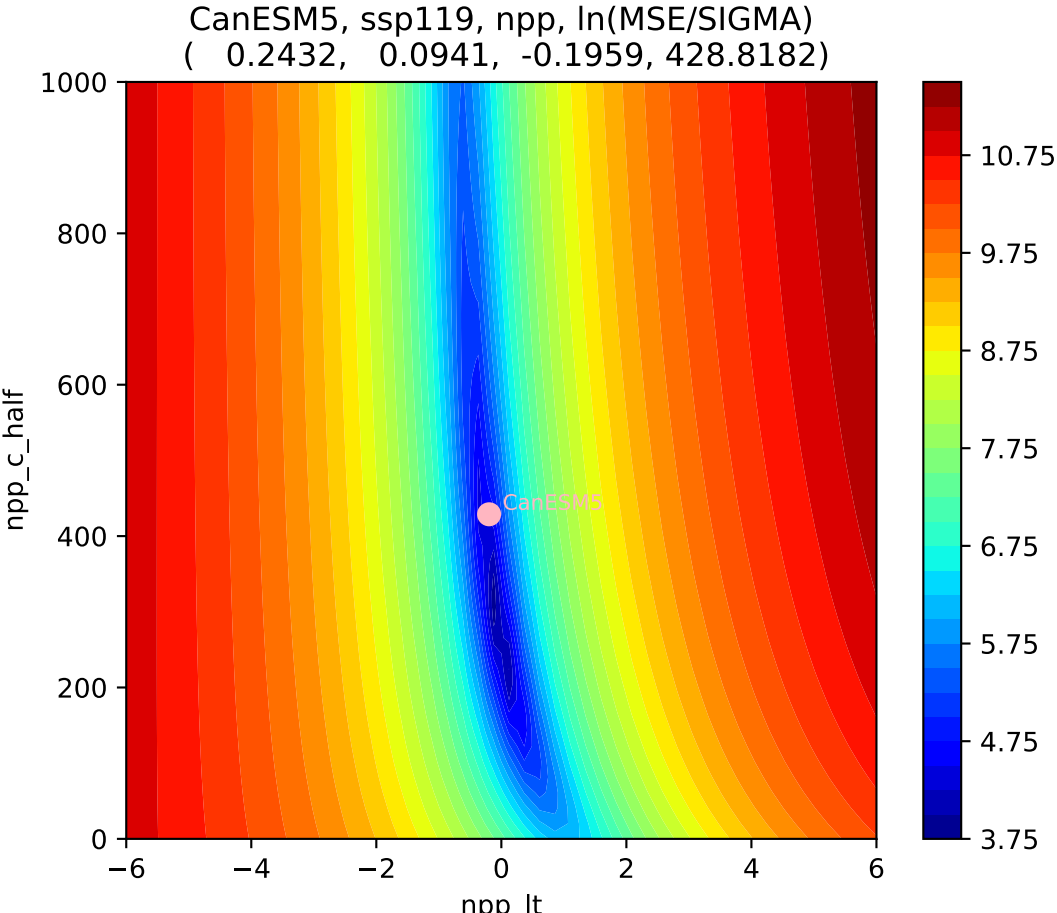

CanESM5, ssp119, npp
ESM
Fit
npp
ΔT


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)
( 0.2432, 0.0941, -0.1959, 428.8182)
CanESM5
npp_ste
npp_sts
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
28.8
25.6
22.4
19.2
16.0
12.8
9.6
6.4
3.2


CanESM5, ssp119, npp, ln(MSE/SIGMA)
( 0.2432, 0.0941, -0.1959, 428.8182)
1000
800
600
400
200
0
npp_c_half
−6
−4
−2
0
2
4
6
npp_lt
CanESM5
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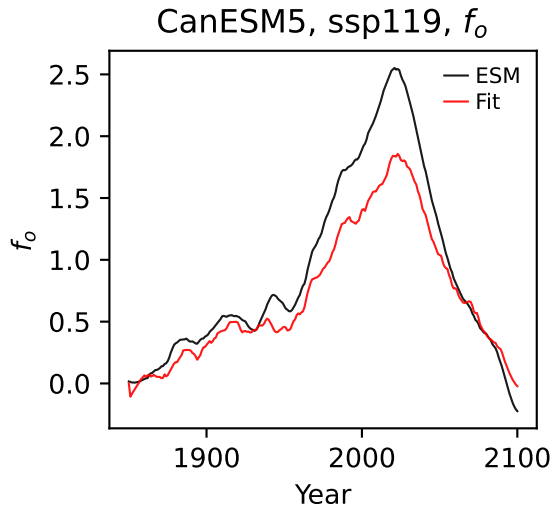
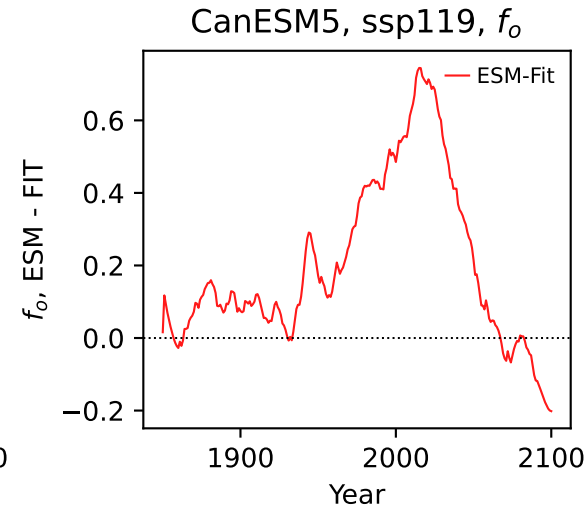
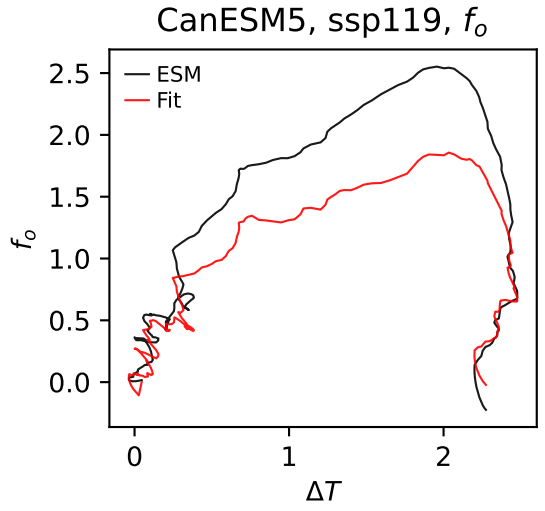
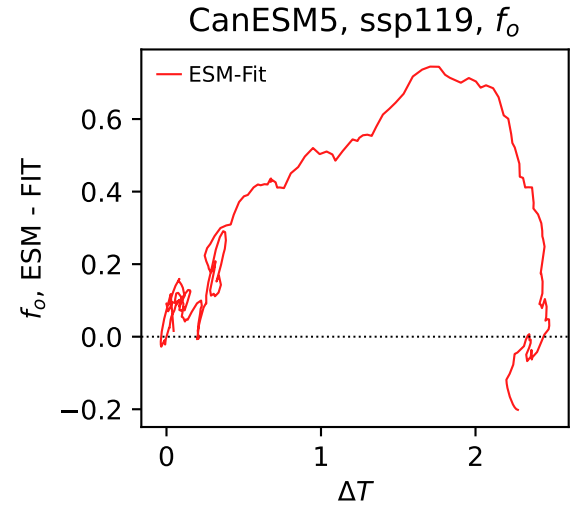
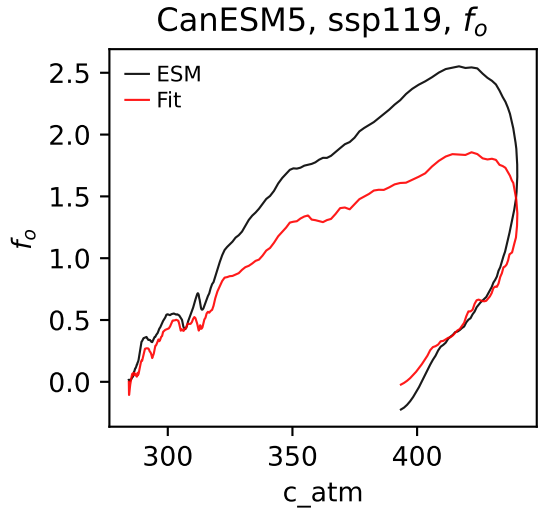
9.75
8.75
7.75
6.75
5.75
4.75
3.75

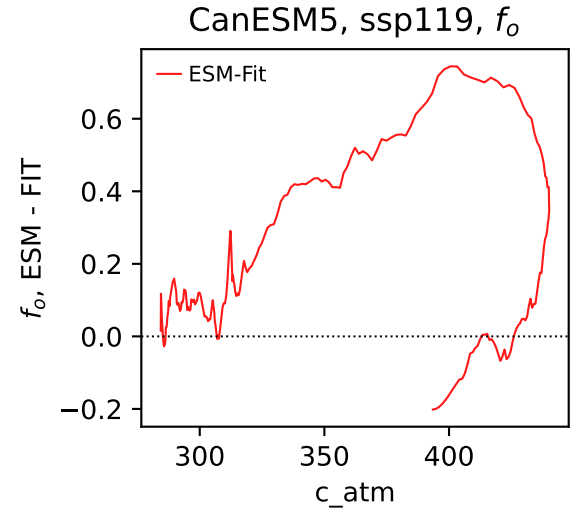

CanESM5, ssp119, $f_o$
ESM
Fit
$f_o$
Year

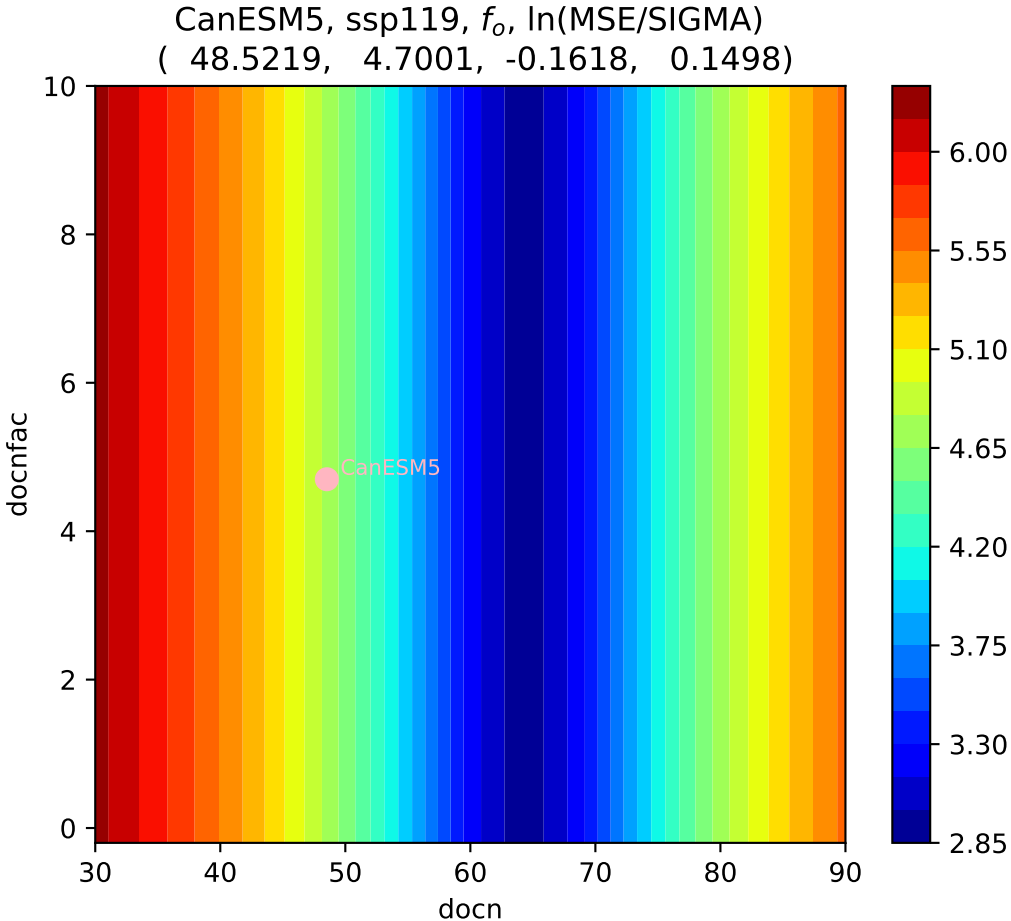

CanESM5, ssp119, $f_o$
ESM-Fit
$f_o$, ESM - FIT
Year

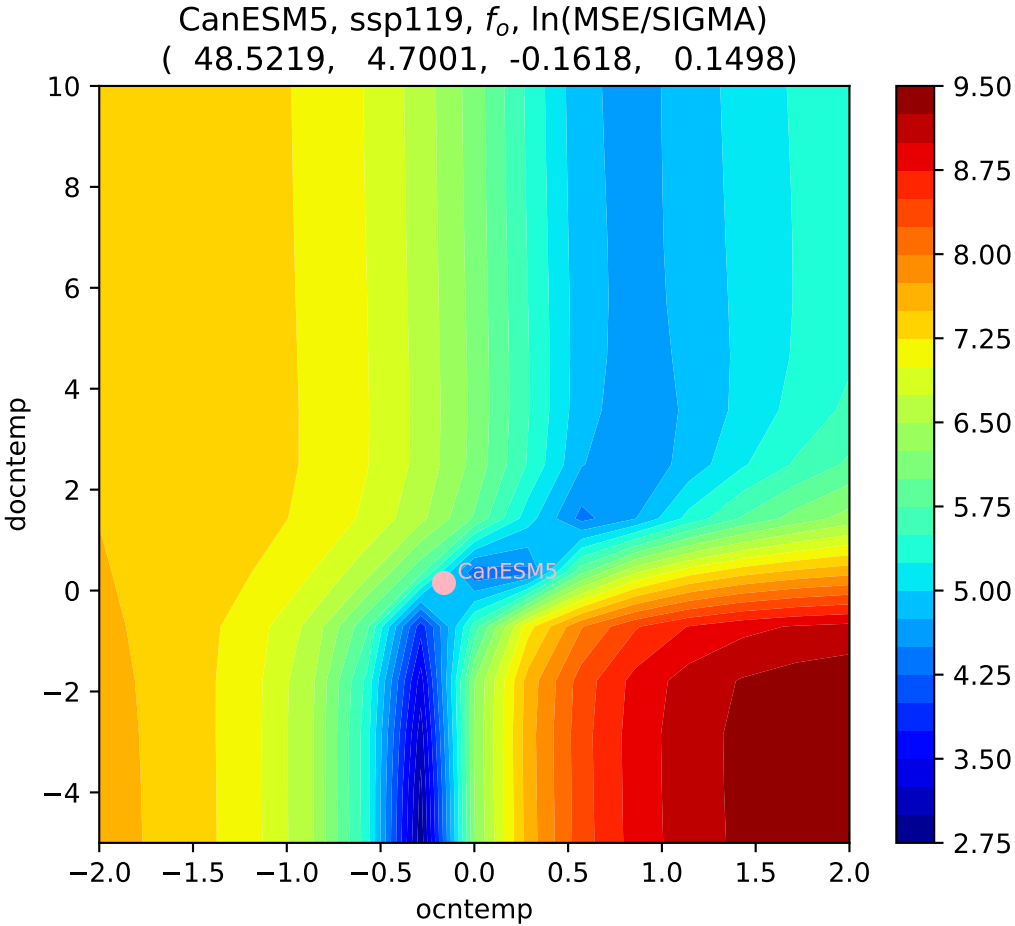

CanESM5, ssp119, $f_o$
ESM
Fit
$f_o$
$\Delta T$


CanESM5, ssp119, $f_o$
ESM-Fit
$f_o$, ESM - FIT
$\Delta T$


CanESM5, ssp119, $f_o$
ESM
Fit
$f_o$
c_atm


CanESM5, ssp119, $f_o$
ESM-Fit
$f_o$, ESM - FIT
c_atm


CanESM5, ssp119, $f_o$, ln(MSE/SIGMA)
( 48.5219, 4.7001, -0.1618, 0.1498)
CanESM5
docnfac
docn
0
2
4
6
8
10
30
40
50
60
70
80
90
6.00
5.55
5.10
4.65
4.20
3.75
3.30
2.85


CanESM5, ssp119, $f_o$, ln(MSE/SIGMA)
( 48.5219, 4.7001, -0.1618, 0.1498)
CanESM5
docntemp
ocntemp
10
8
6
4
2
0
−2
−4
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
9.50
8.75
8.00
7.25
6.50
5.75
5.00
4.25
3.50
2.75