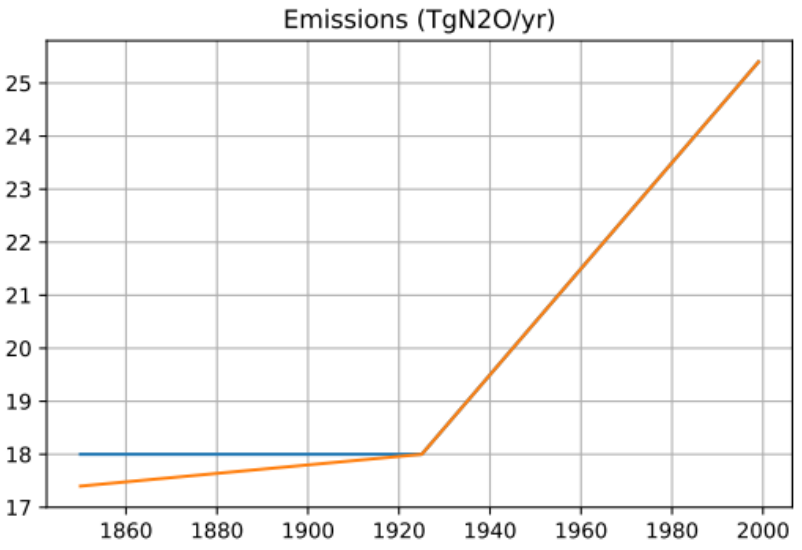
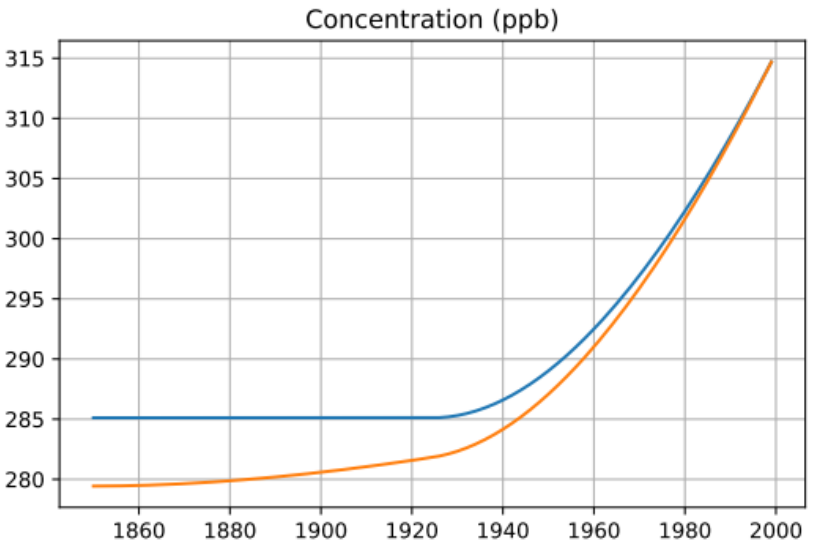
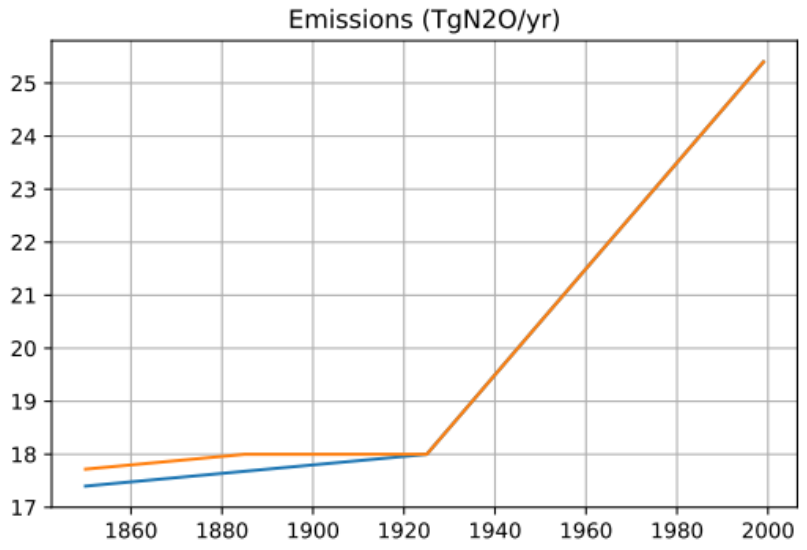
Play with BoxModel

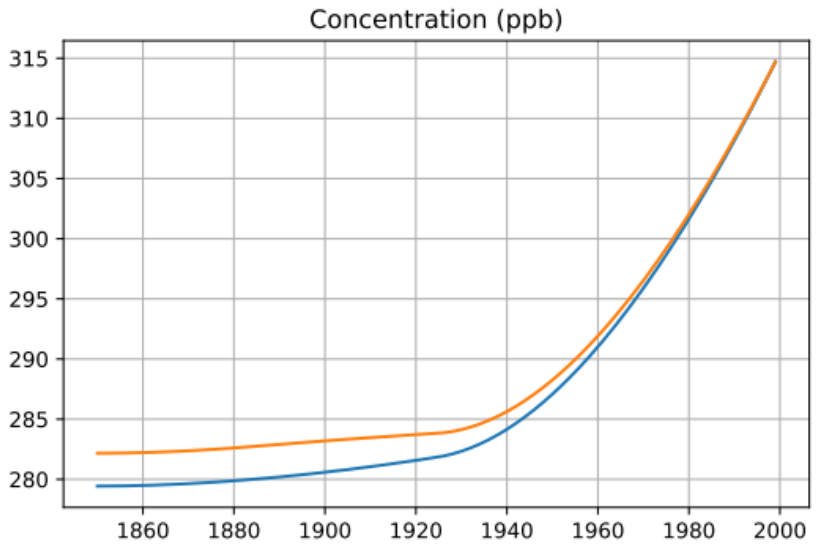
Linear


Emissions (TgN2O/yr)
25
24
23
22
21
20
19
18
17
1860
1880
1900
1920
1940
1960
1980
2000

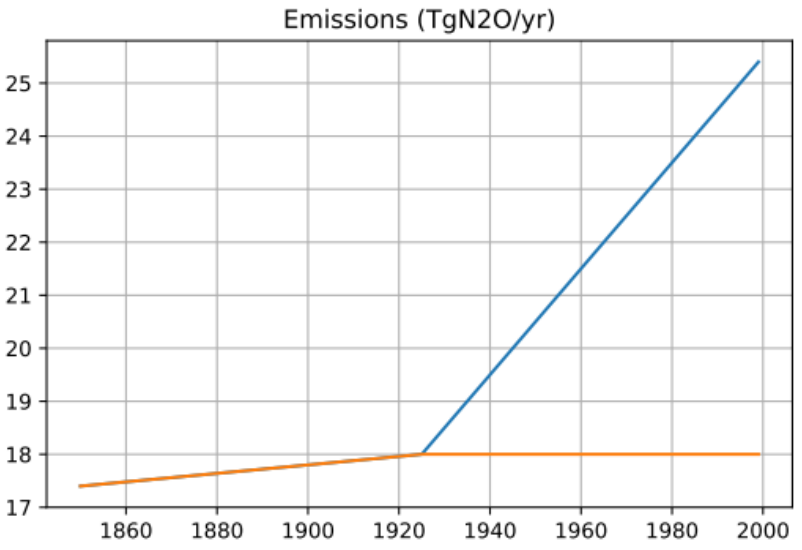

Concentration (ppb)
315
310
305
300
295
290
285
280
1860
1880
1900
1920
1940
1960
1980
2000

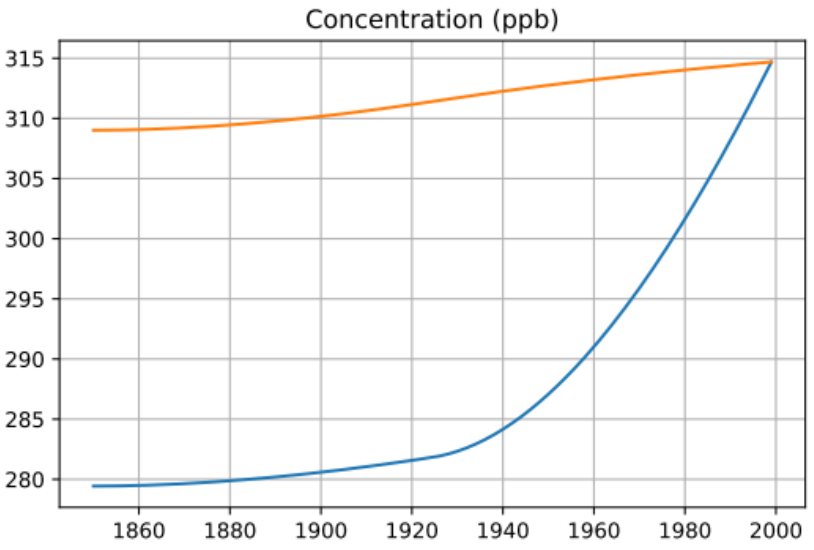
Trends


Emissions (TgN2O/yr)
25
24
23
22
21
20
19
18
17
1860
1880
1900
1920
1940
1960
1980
2000

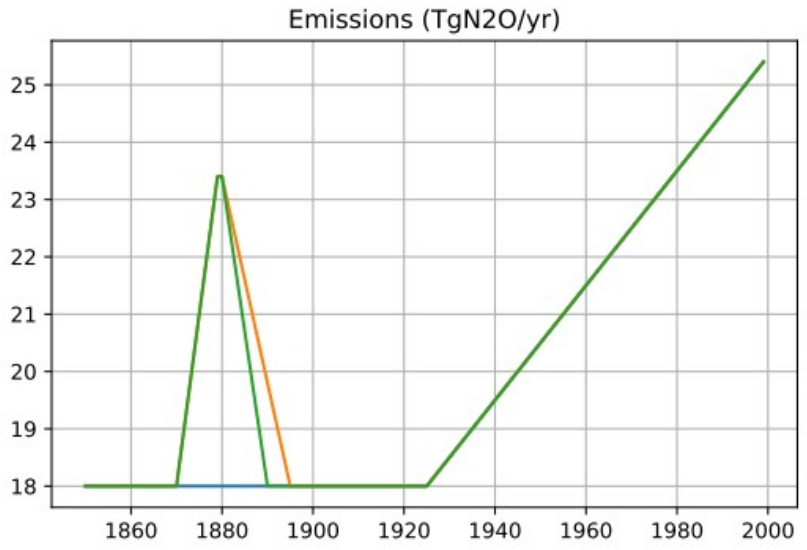

Concentration (ppb)
315
310
305
300
295
290
285
280
1860
1880
1900
1920
1940
1960
1980
2000

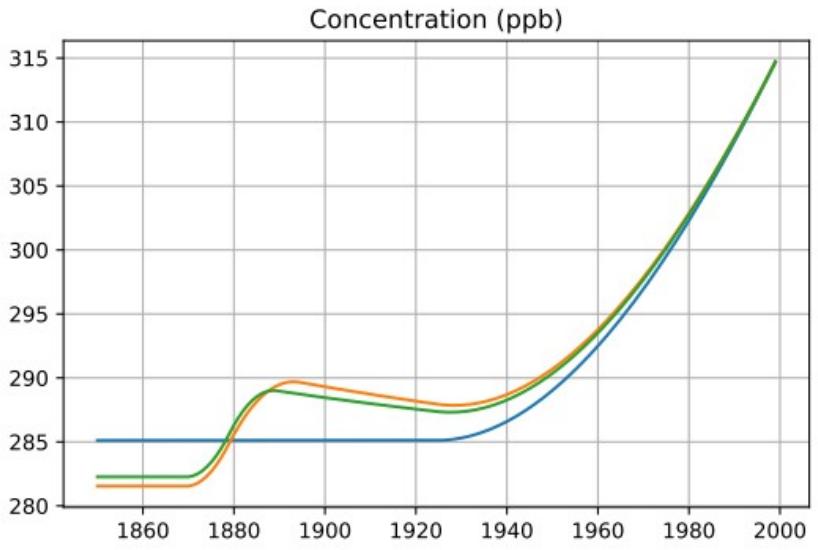
Slope


Emissions (TgN2O/yr)
25
24
23
22
21
20
19
18
17
1860
1880
1900
1920
1940
1960
1980
2000

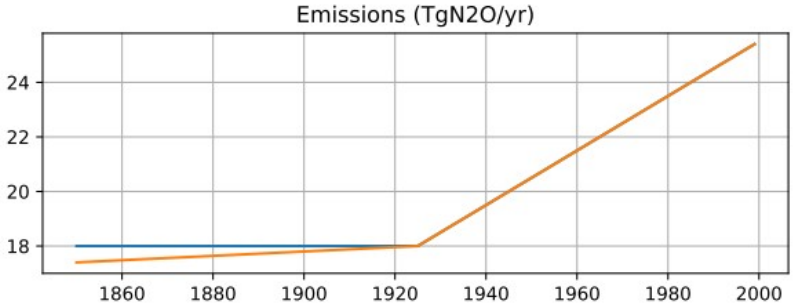

Concentration (ppb)
315
310
305
300
295
290
285
280
1860
1880
1900
1920
1940
1960
1980
2000

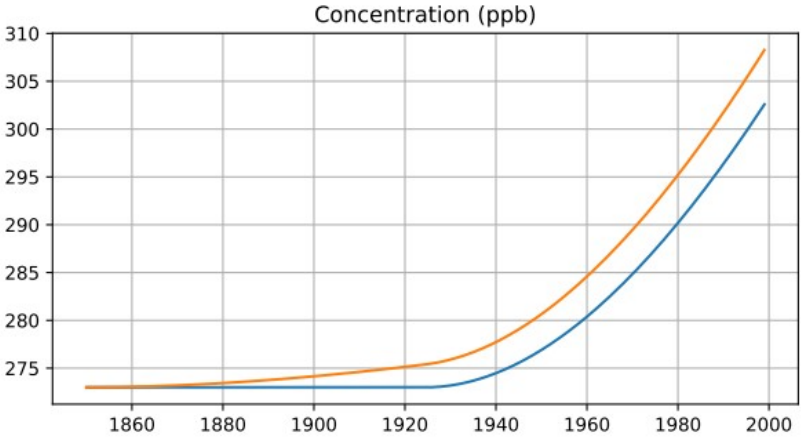
Bump

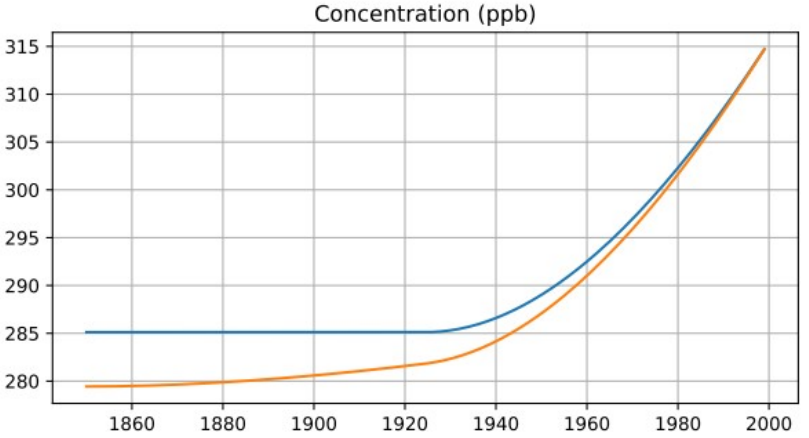

Emissions (TgN2O/yr)
25
24
23
22
21
20
19
18
1860
1880
1900
1920
1940
1960
1980
2000


Concentration (ppb)
315
310
305
300
295
290
285
280
1860
1880
1900
1920
1940
1960
1980
2000

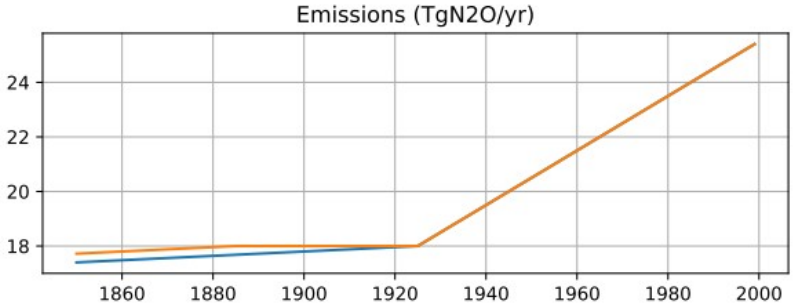
Linear

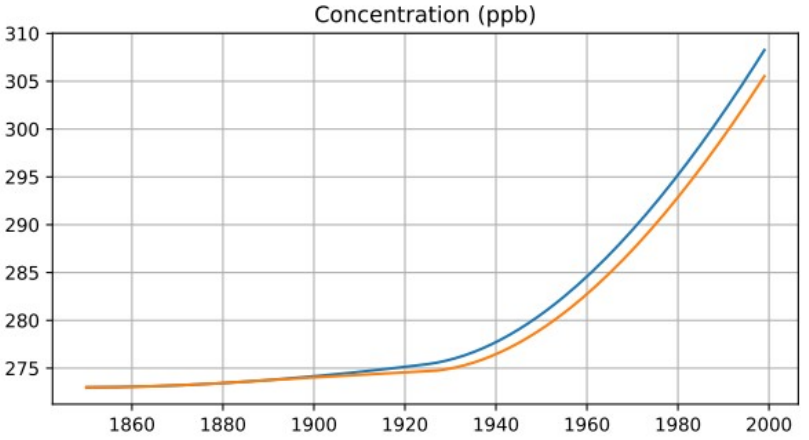

Emissions (TgN2O/yr)
24
22
20
18
1860
1880
1900
1920
1940
1960
1980
2000

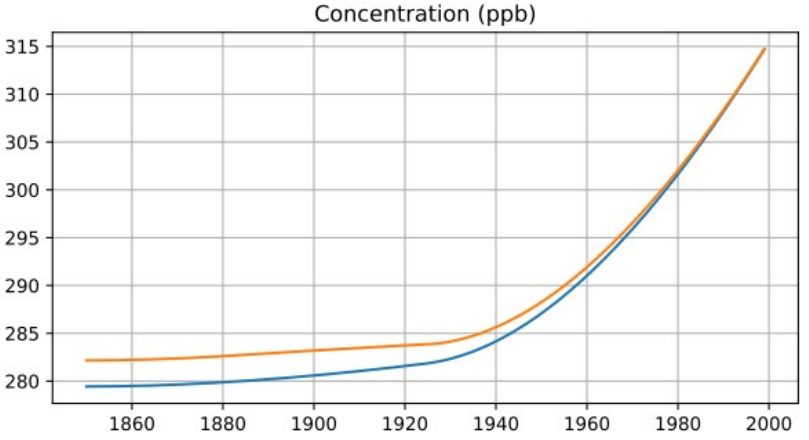

Concentration (ppb)
310
305
300
295
290
285
280
275
1860
1880
1900
1920
1940
1960
1980
2000


Concentration (ppb)
315
310
305
300
295
290
285
280
1860
1880
1900
1920
1940
1960
1980
2000

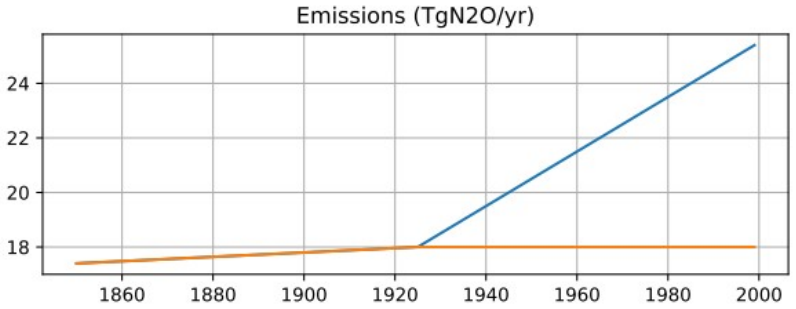
Trends

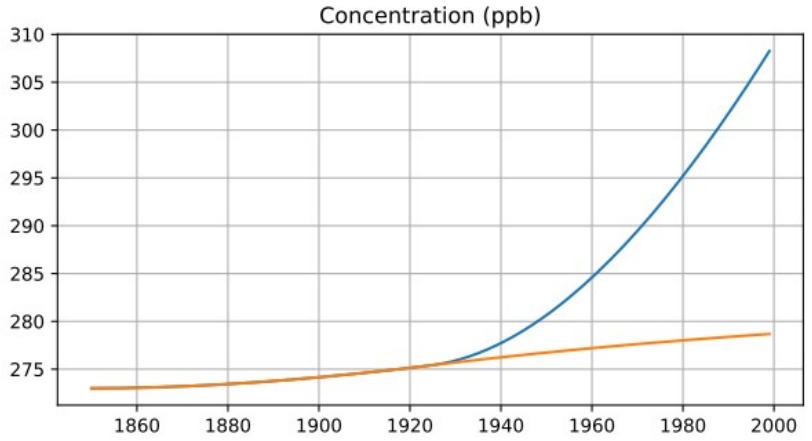

Emissions (TgN2O/yr)
24
22
20
18
1860
1880
1900
1920
1940
1960
1980
2000

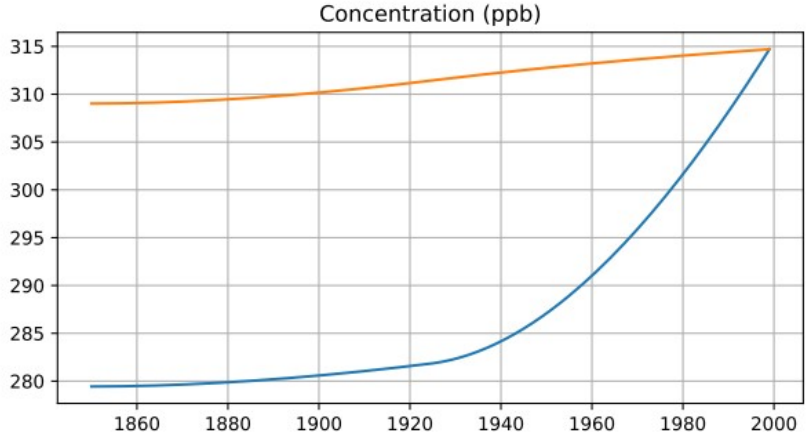

Concentration (ppb)
310
305
300
295
290
285
280
275
1860
1880
1900
1920
1940
1960
1980
2000


Concentration (ppb)
315
310
305
300
295
290
285
280
1860
1880
1900
1920
1940
1960
1980
2000

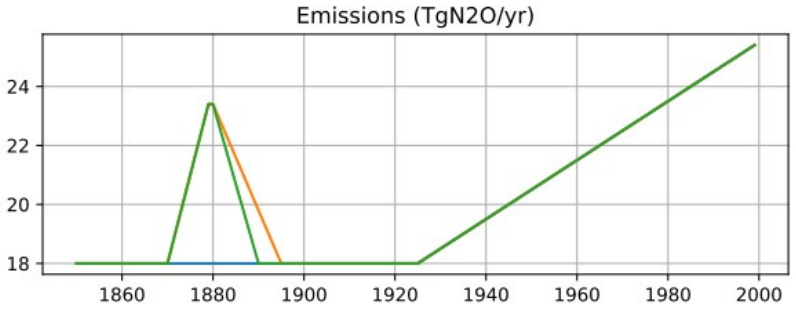
Slope

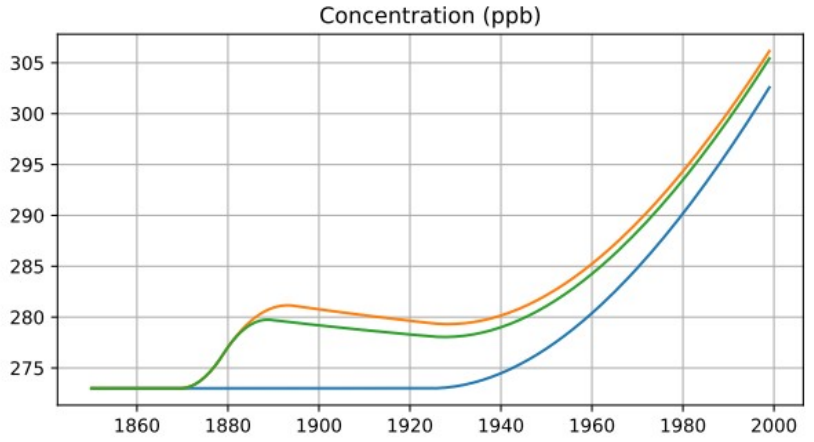

Emissions (TgN2O/yr)
24
22
20
18
1860
1880
1900
1920
1940
1960
1980
2000

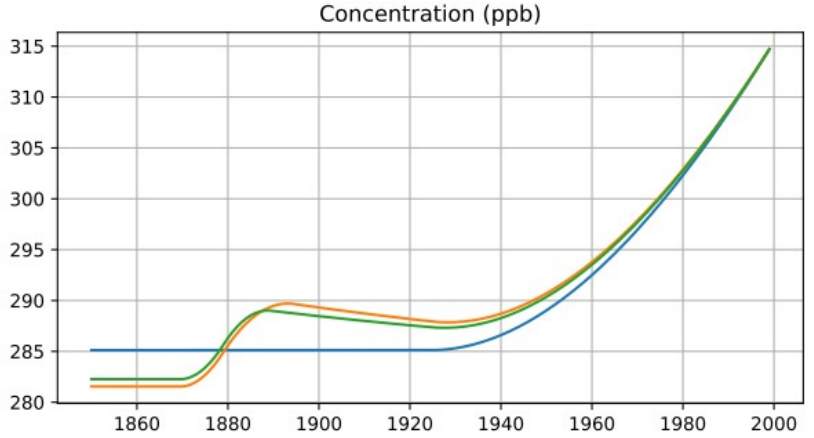

Concentration (ppb)
310
305
300
295
290
285
280
275
1860
1880
1900
1920
1940
1960
1980
2000


Concentration (ppb)
315
310
305
300
295
290
285
280
1860
1880
1900
1920
1940
1960
1980
2000

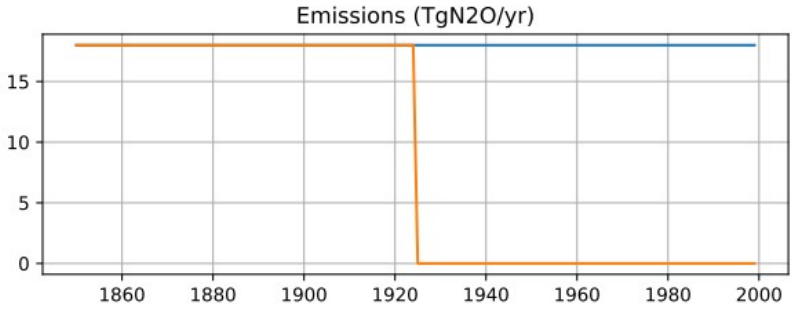
Bumps

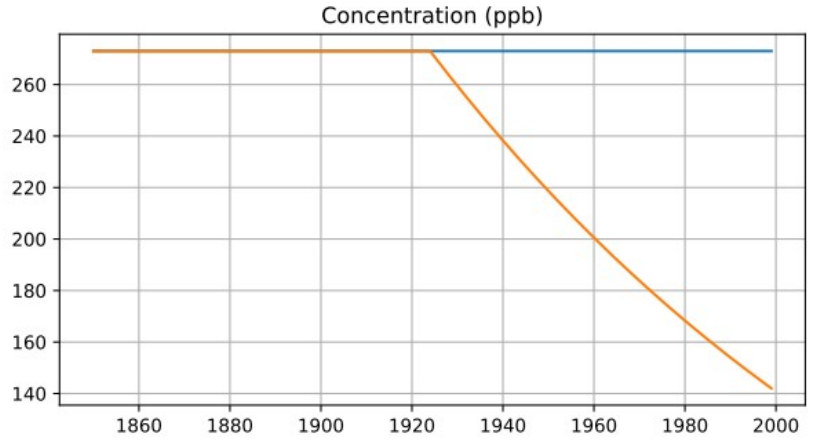

Emissions (TgN2O/yr)
24
22
20
18
1860
1880
1900
1920
1940
1960
1980
2000

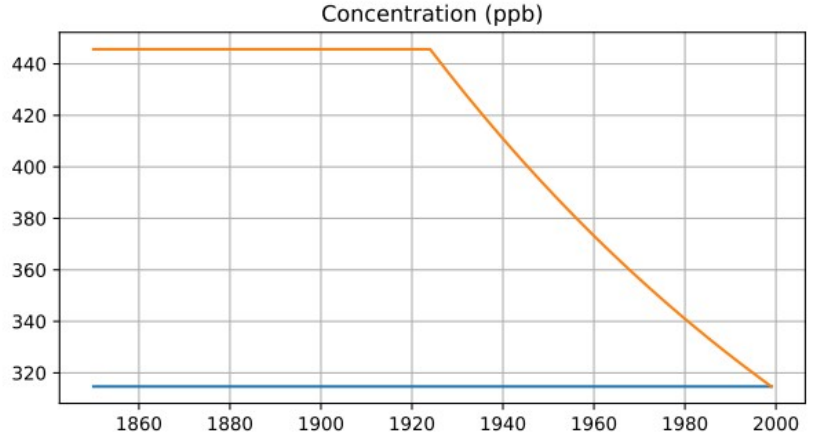

Concentration (ppb)
305
300
295
290
285
280
275
1860
1880
1900
1920
1940
1960
1980
2000


Concentration (ppb)
315
310
305
300
295
290
285
280
1860
1880
1900
1920
1940
1960
1980
2000

Fall

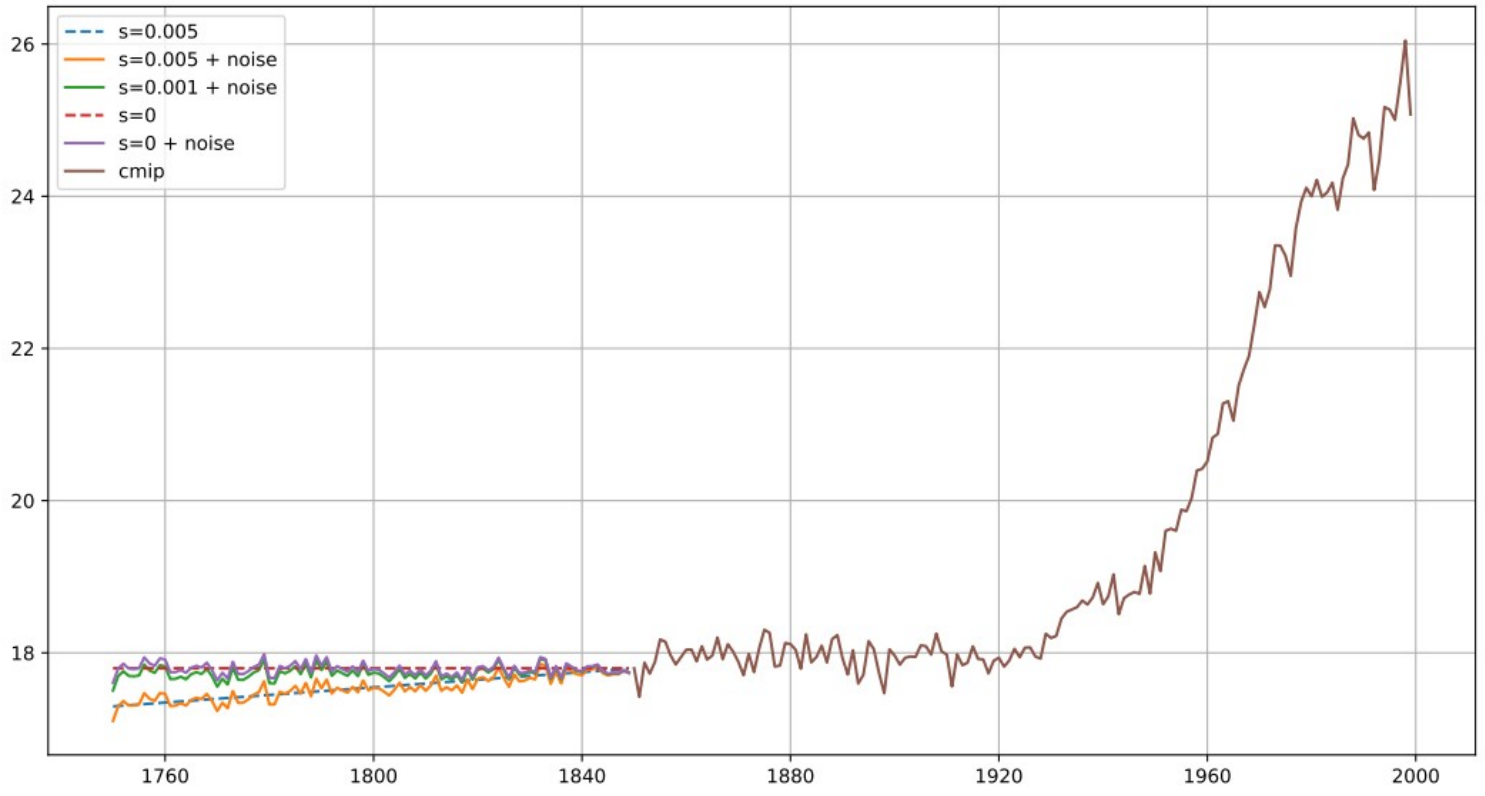

Emissions (TgN2O/yr)
15
10
5
0
1860
1880
1900
1920
1940
1960
1980
2000


Concentration (ppb)
260
240
220
200
180
160
140
1860
1880
1900
1920
1940
1960
1980
2000

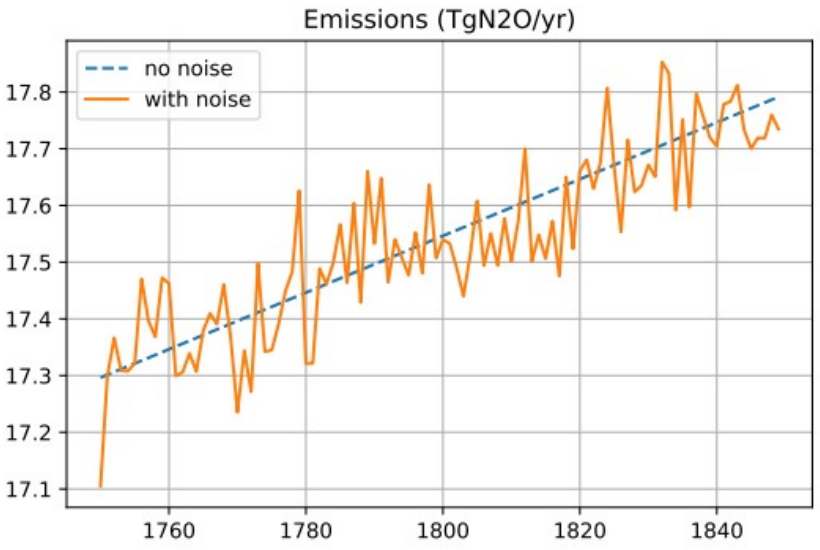

Concentration (ppb)
440
420
400
380
360
340
320
1860
1880
1900
1920
1940
1960
1980
2000

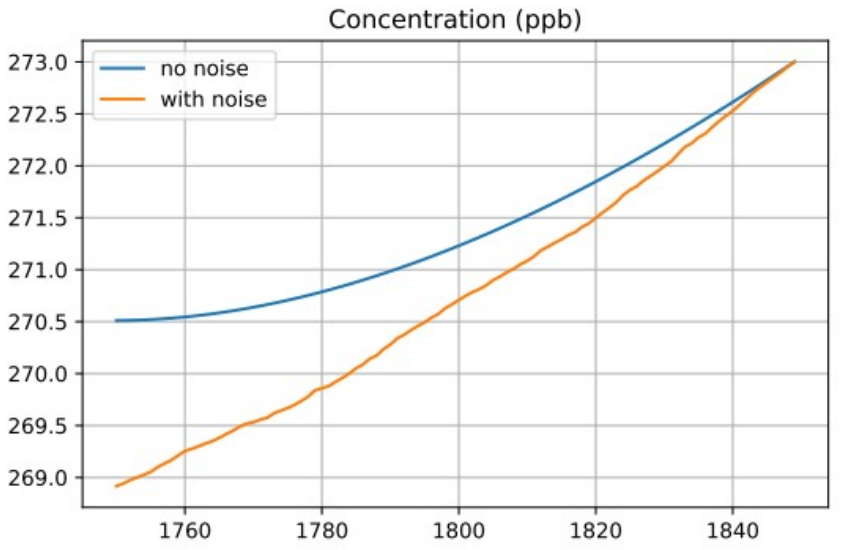
Add emissions from 1750 to 1850

Add emissions from 1750 to 1850

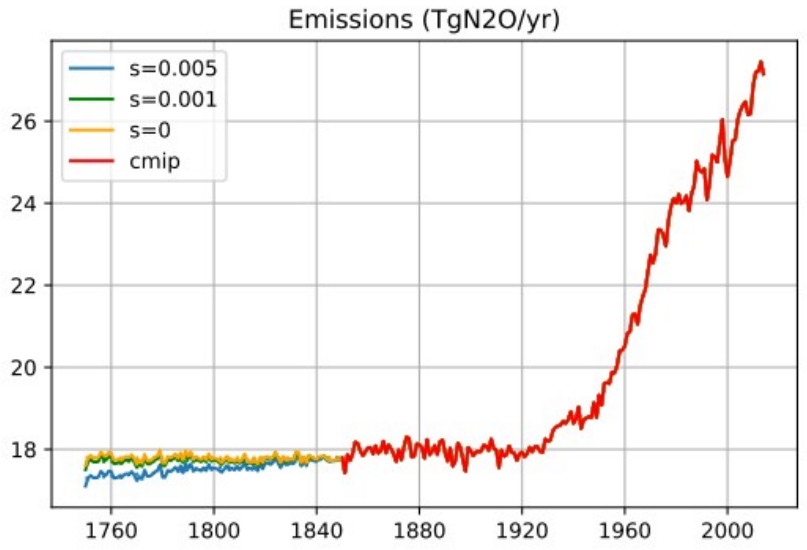


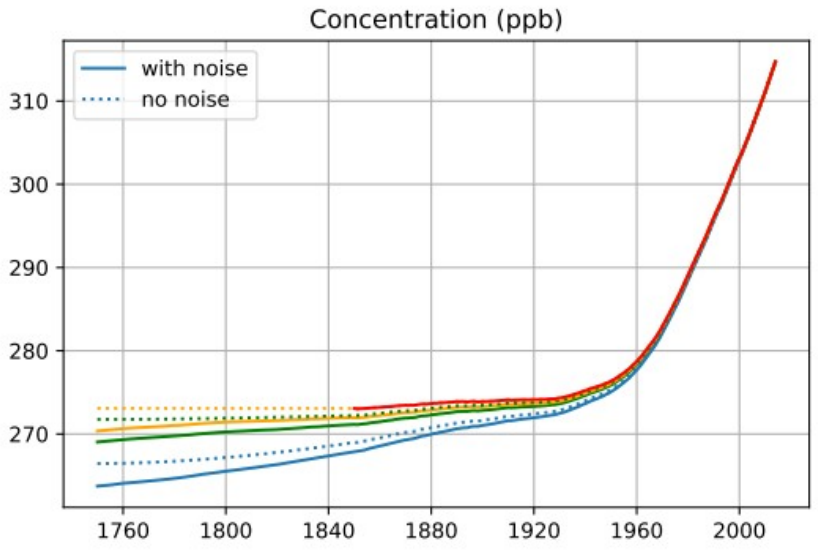
Add emissions from 1750 to 1850



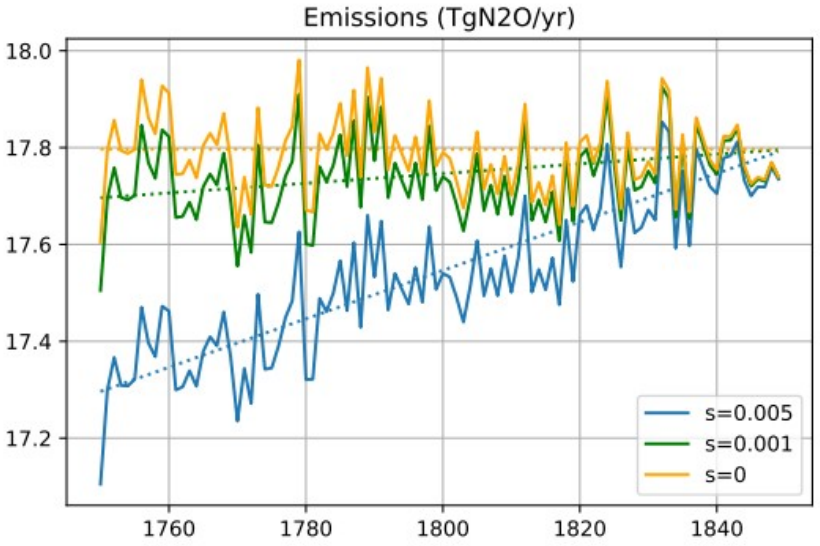


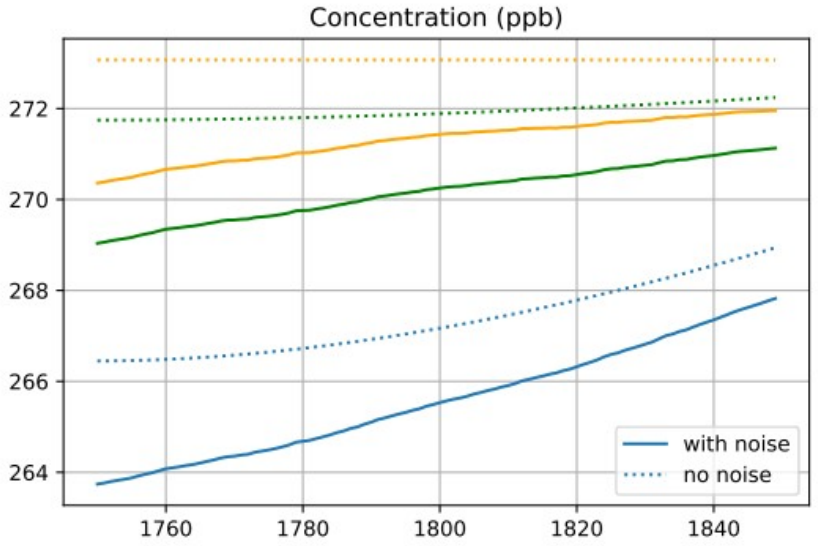
Add emissions from 1750 to 1850





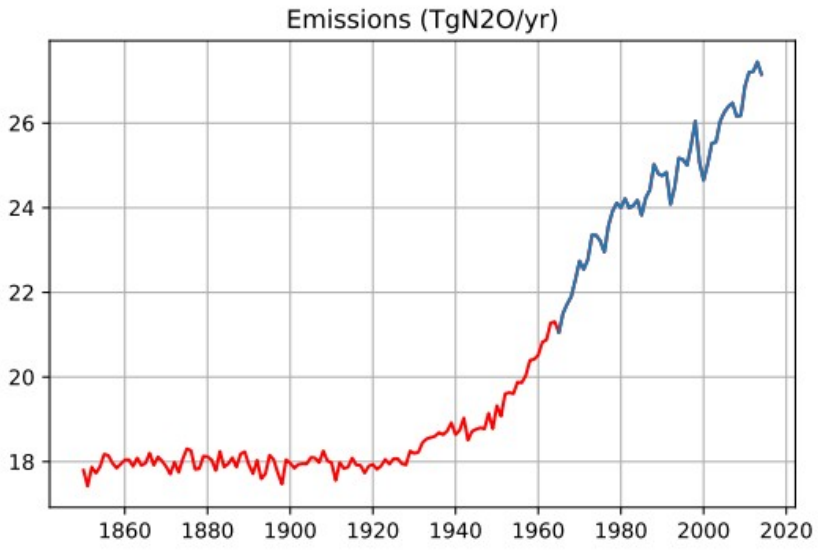
Add emissions from 1750 to 1850

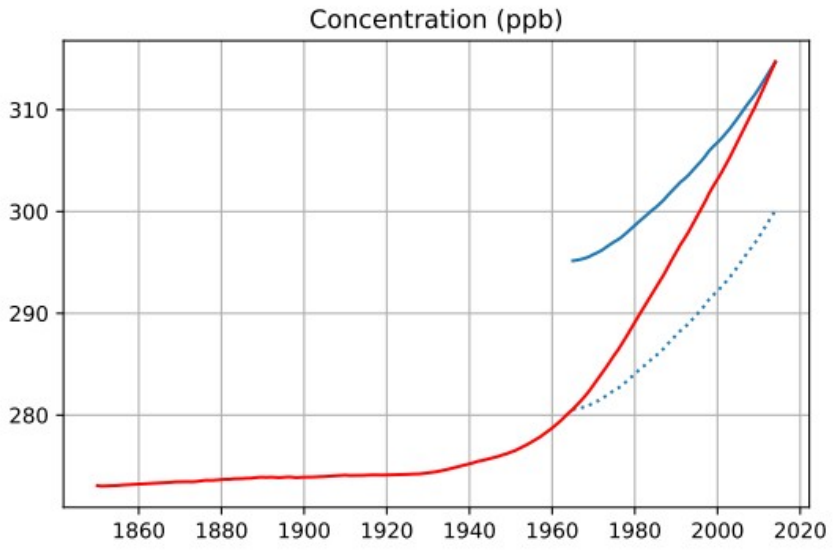




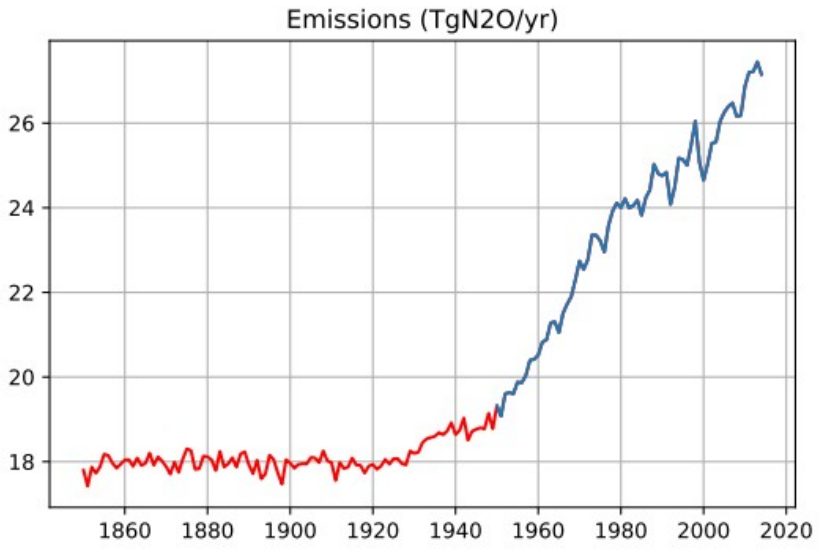
Optimization on different part

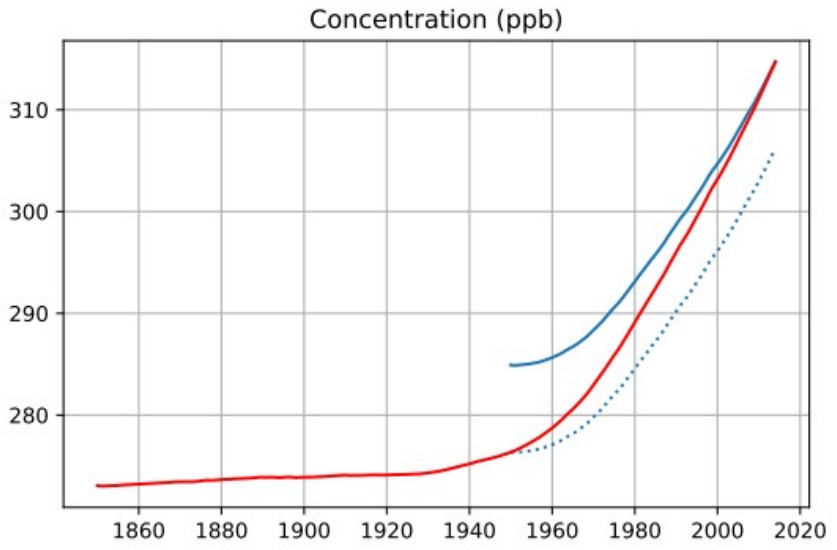
Inverse model on different part



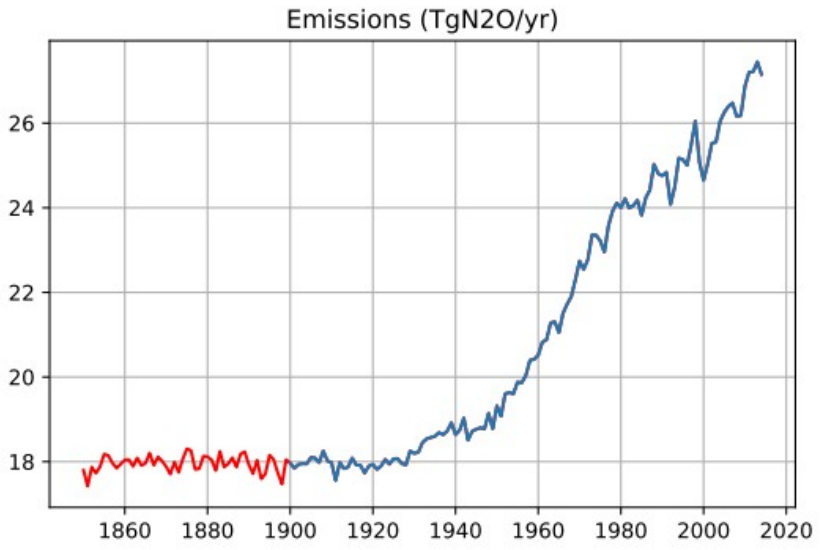


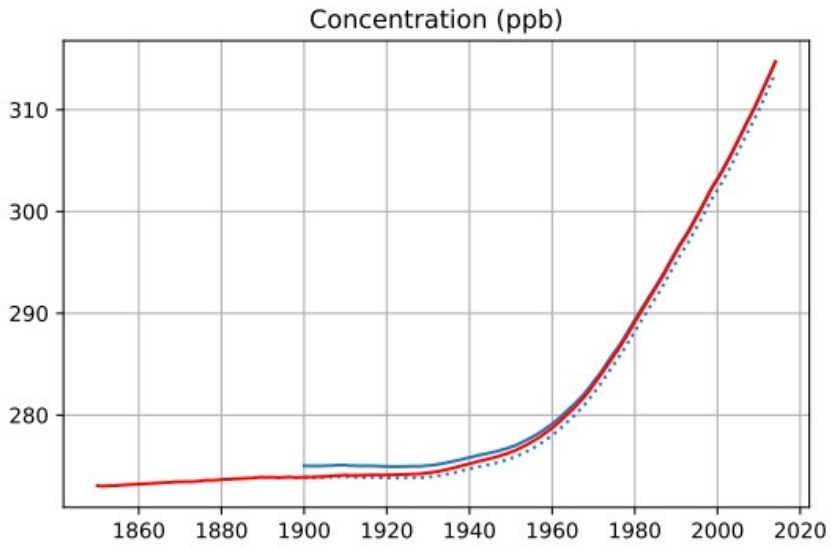
Inverse model on different part



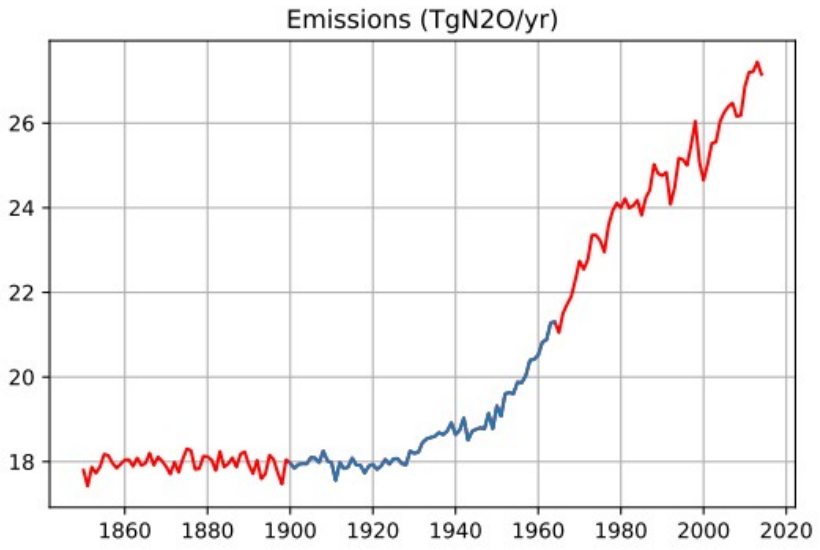


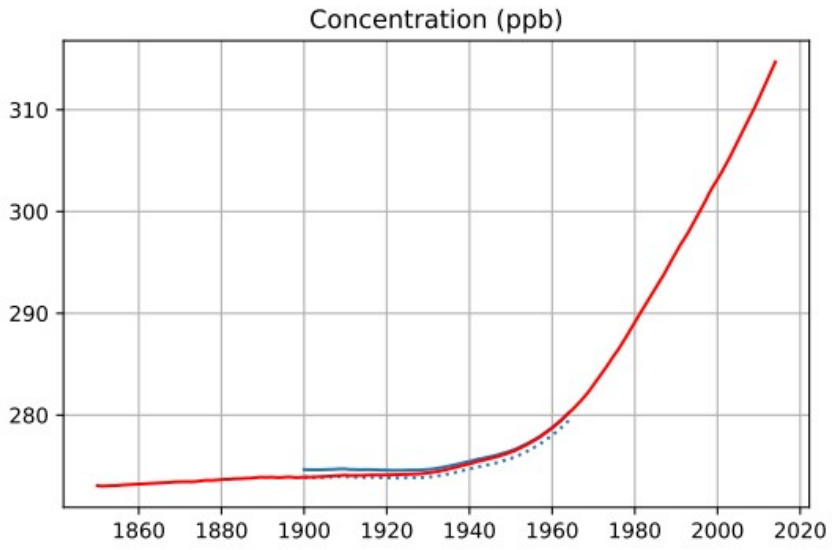
Inverse model on different part



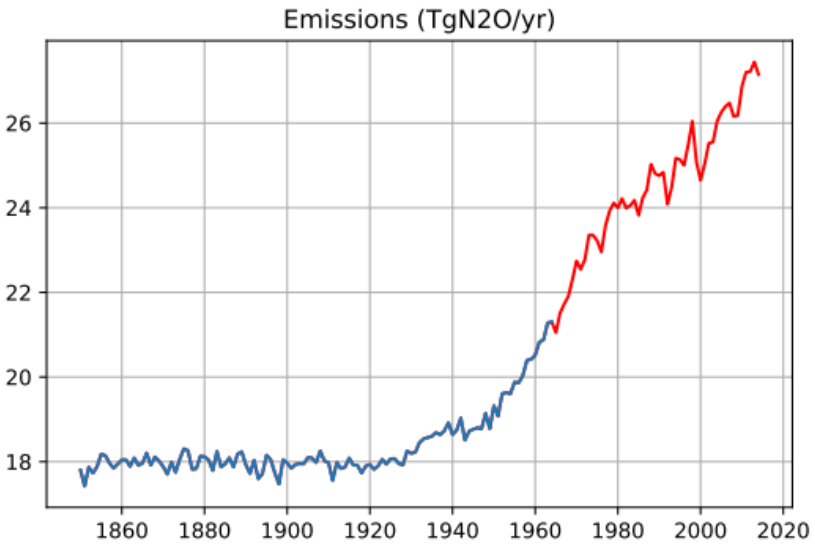


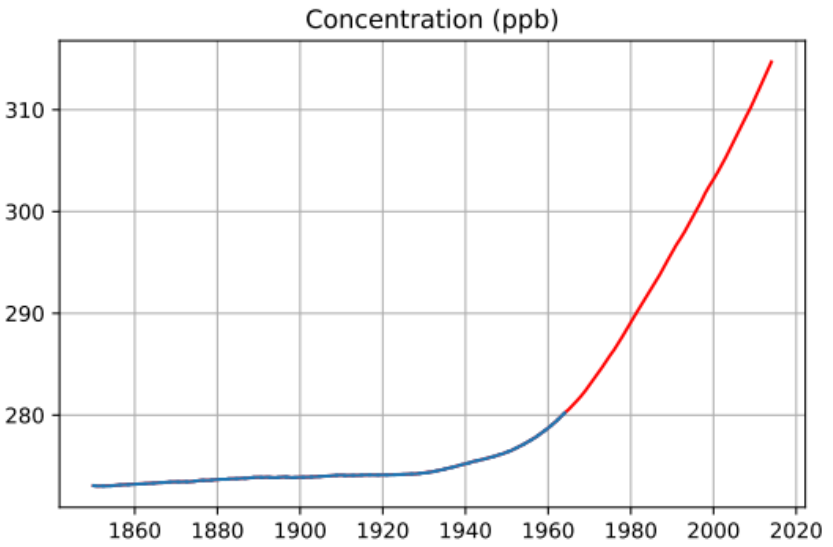
Inverse model on different part





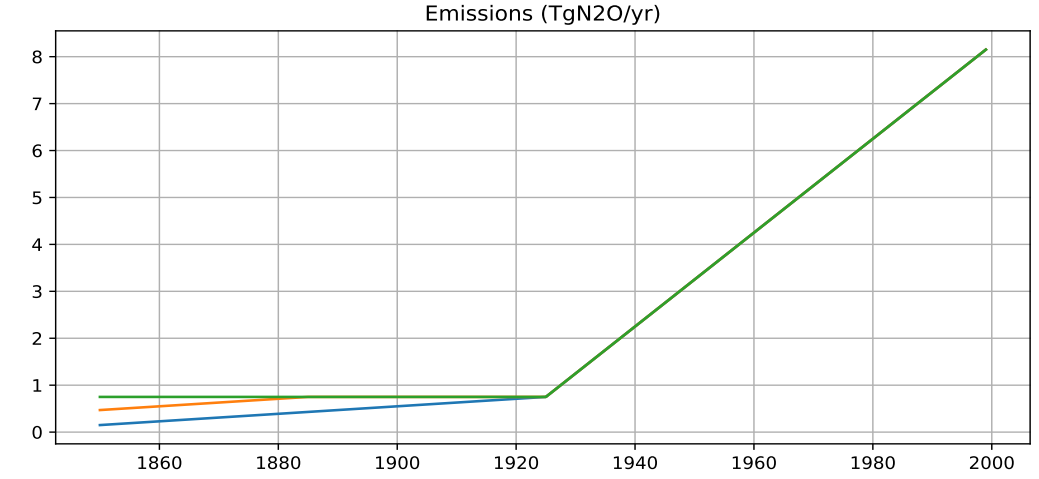
Inverse model on different part

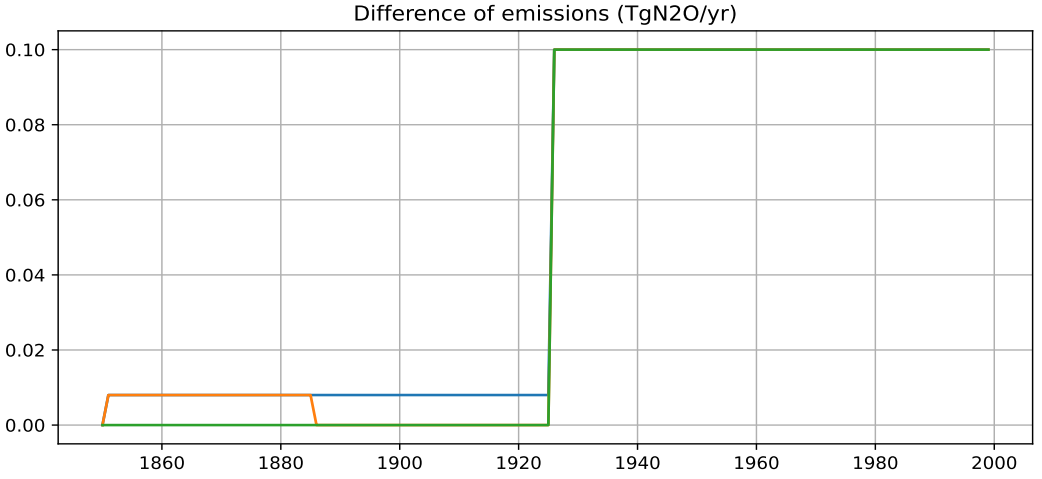


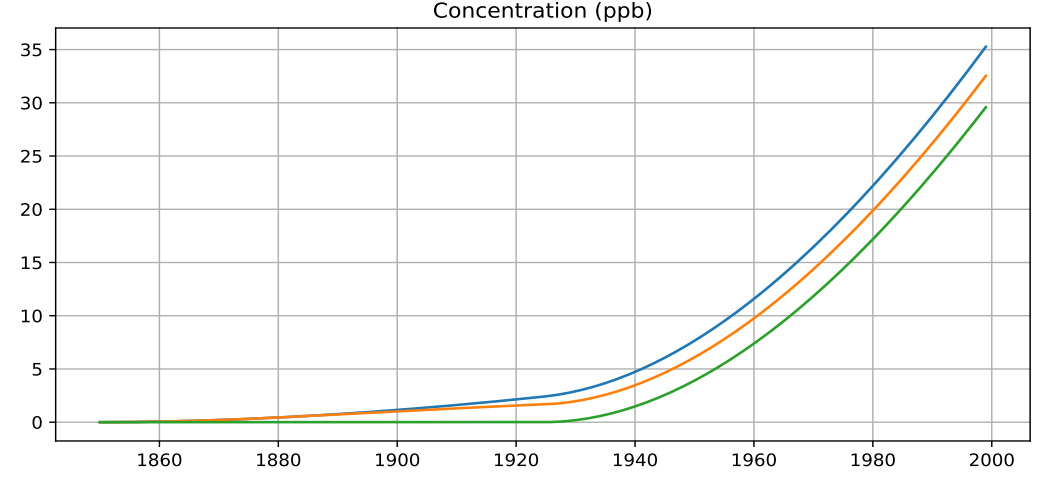


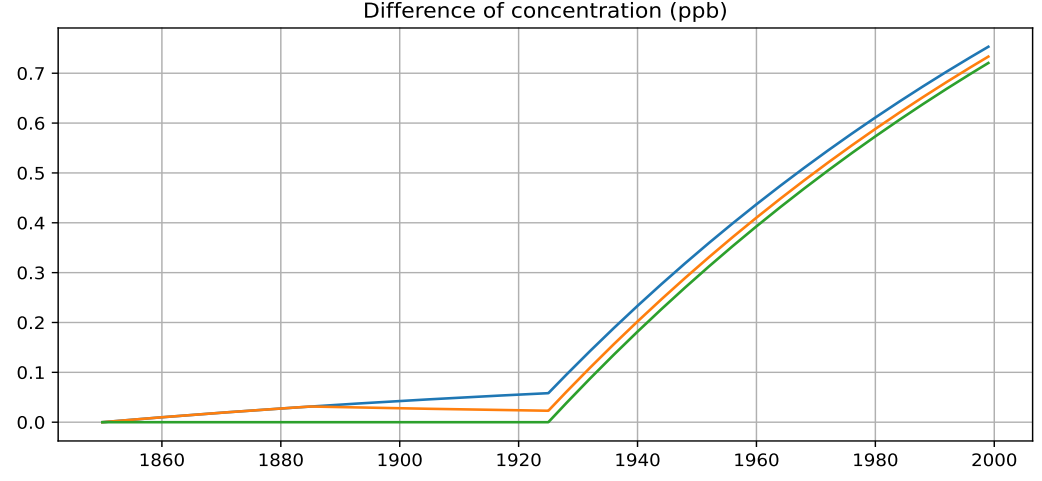
Beginning from 0

Trends

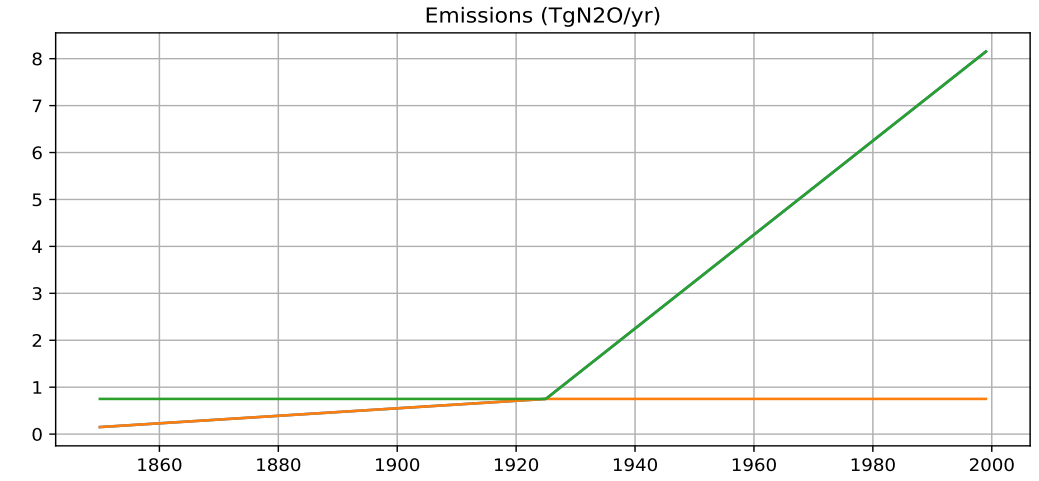

Emissions (TgN2O/yr)
8
7
6
5
4
3
2
1
0
1860
1880
1900
1920
1940
1960
1980
2000

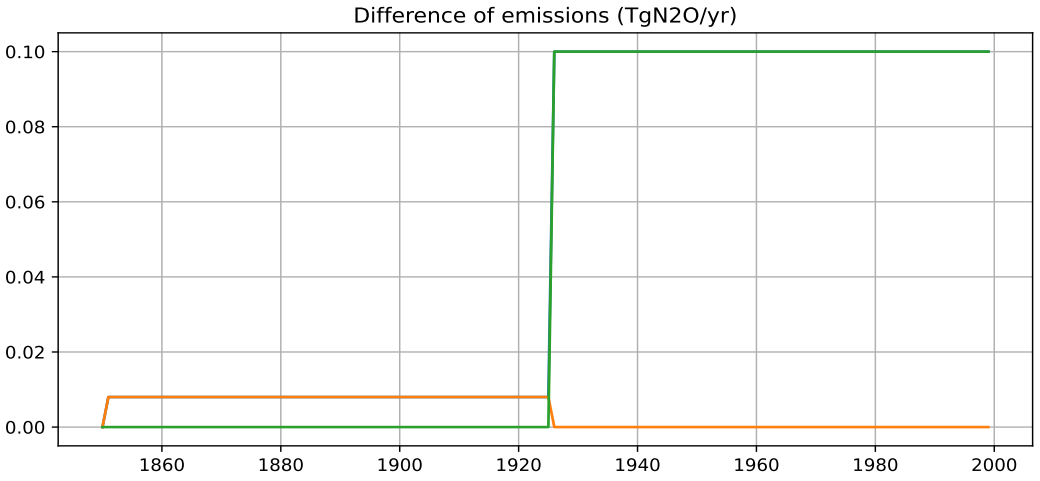

Difference of emissions (TgN2O/yr)
0.10
0.08
0.06
0.04
0.02
0.00
1860
1880
1900
1920
1940
1960
1980
2000

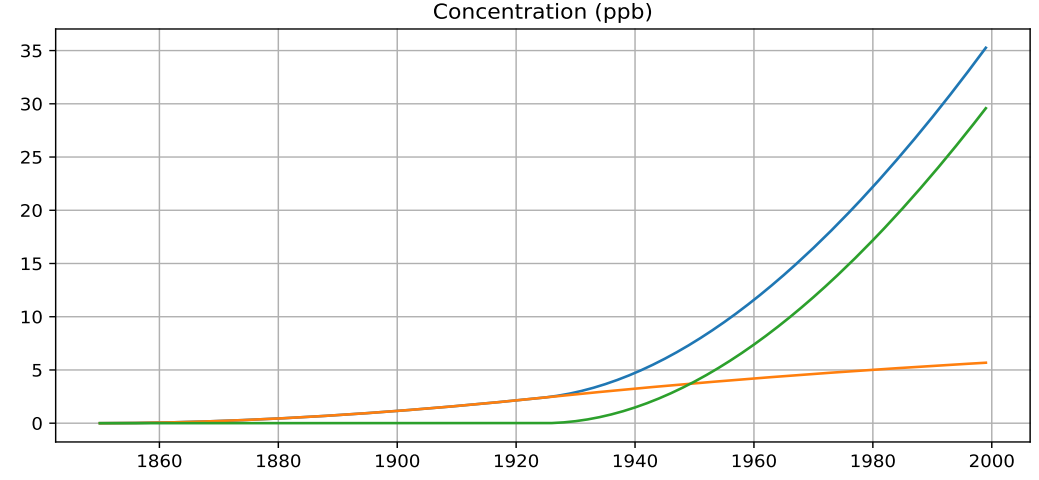

Concentration (ppb)
35
30
25
20
15
10
5
0
1860
1880
1900
1920
1940
1960
1980
2000

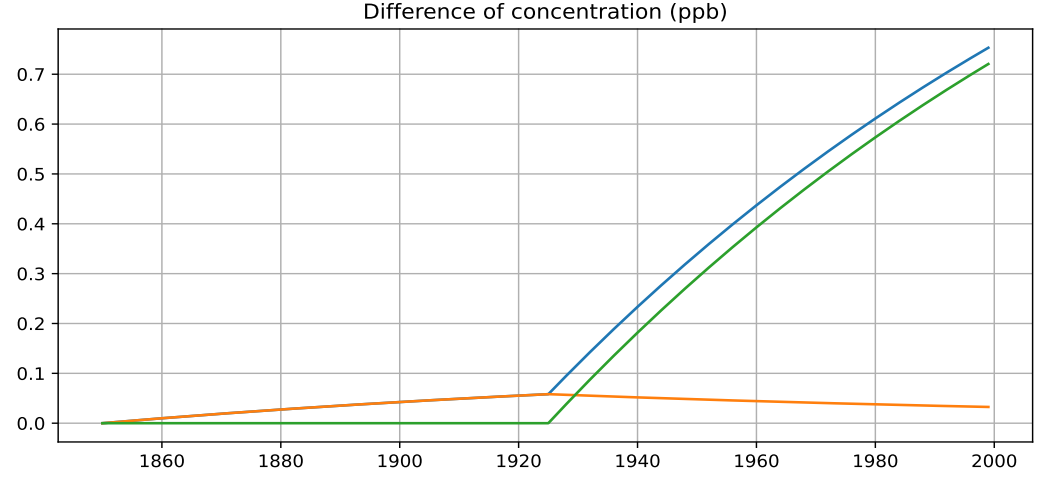

Difference of concentration (ppb)
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
1860
1880
1900
1920
1940
1960
1980
2000

Slopes

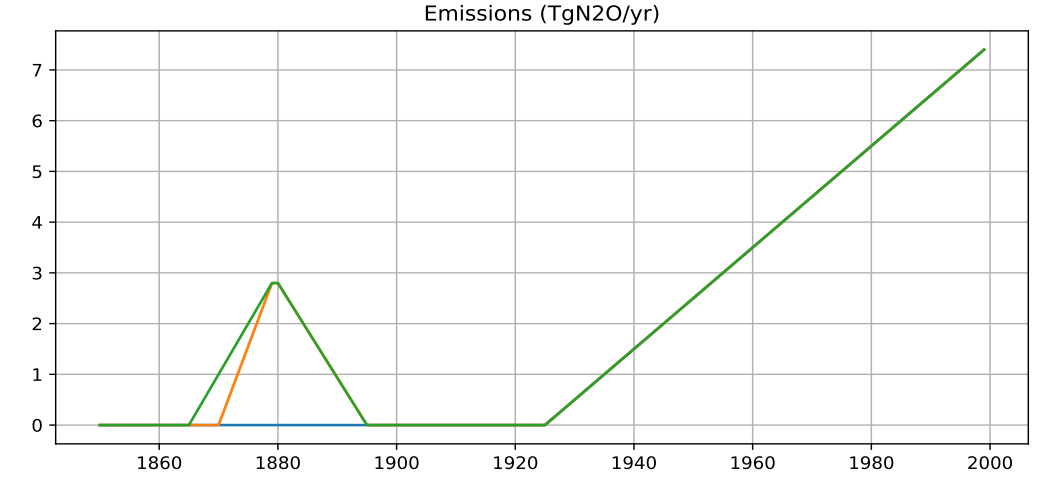

Emissions (TgN2O/yr)
8
7
6
5
4
3
2
1
0
1860
1880
1900
1920
1940
1960
1980
2000

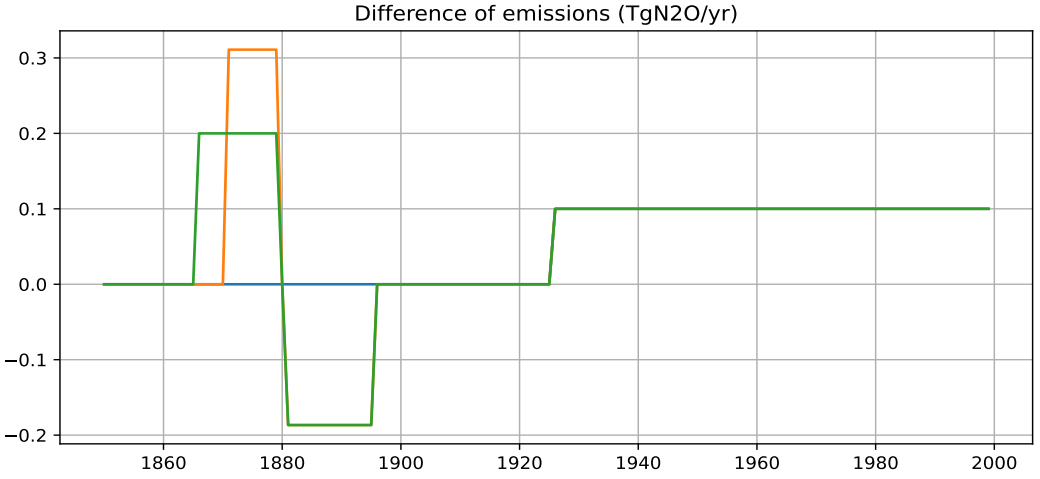

Difference of emissions (TgN2O/yr)
0.10
0.08
0.06
0.04
0.02
0.00
1860
1880
1900
1920
1940
1960
1980
2000

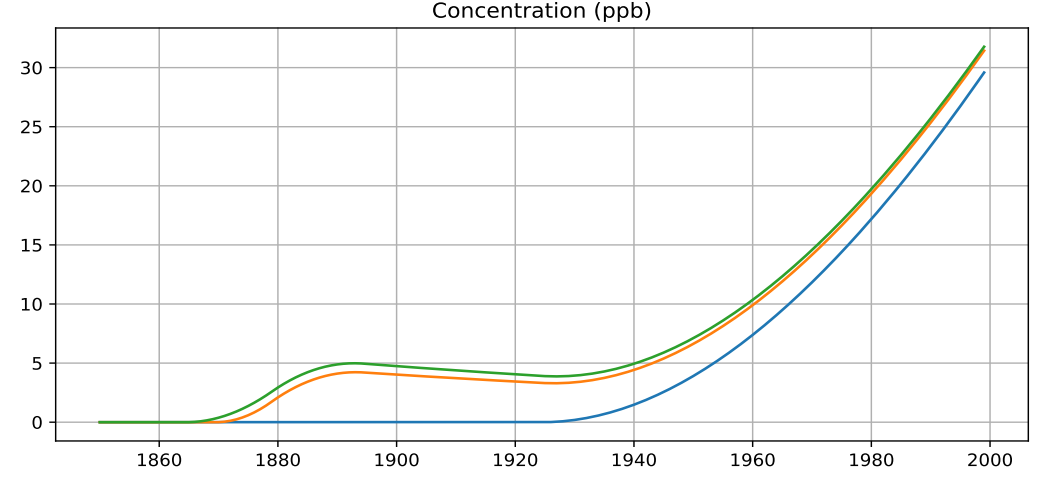

Concentration (ppb)
35
30
25
20
15
10
5
0
1860
1880
1900
1920
1940
1960
1980
2000

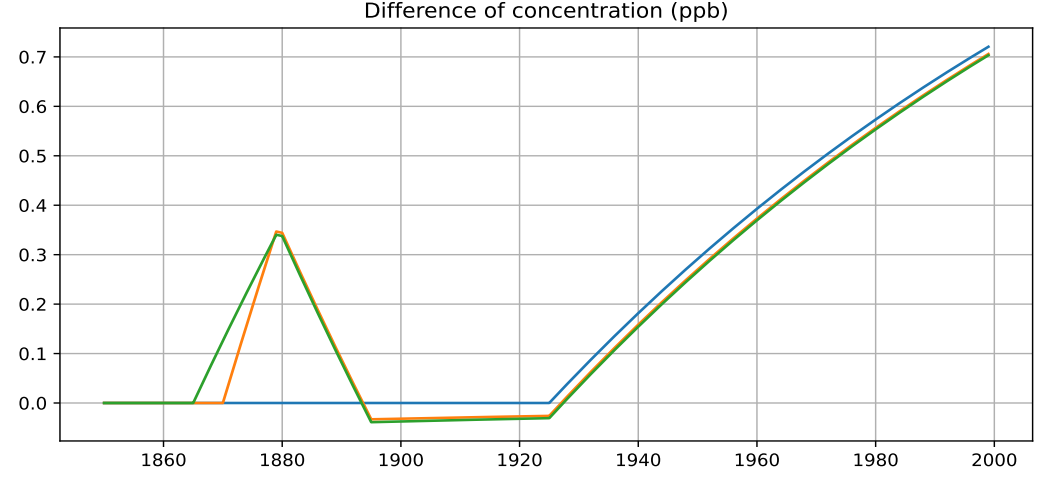

Difference of concentration (ppb)
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
1860
1880
1900
1920
1940
1960
1980
2000

Bumps


Emissions (TgN2O/yr)
7
6
5
4
3
2
1
0
1860
1880
1900
1920
1940
1960
1980
2000

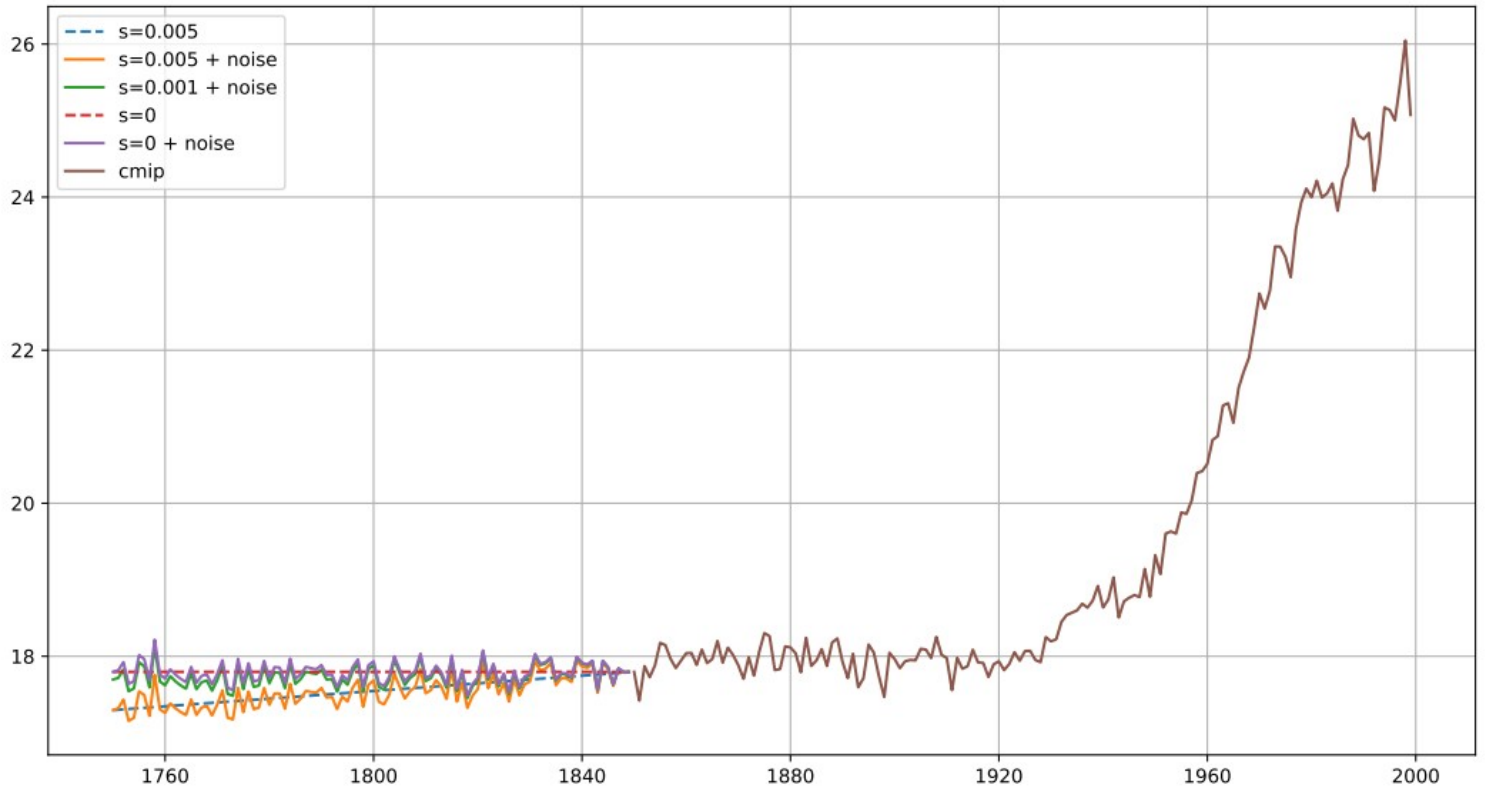

Difference of emissions (TgN2O/yr)
0.3
0.2
0.1
0.0
−0.1
−0.2
1860
1880
1900
1920
1940
1960
1980
2000


Concentration (ppb)
30
25
20
15
10
5
0
1860
1880
1900
1920
1940
1960
1980
2000

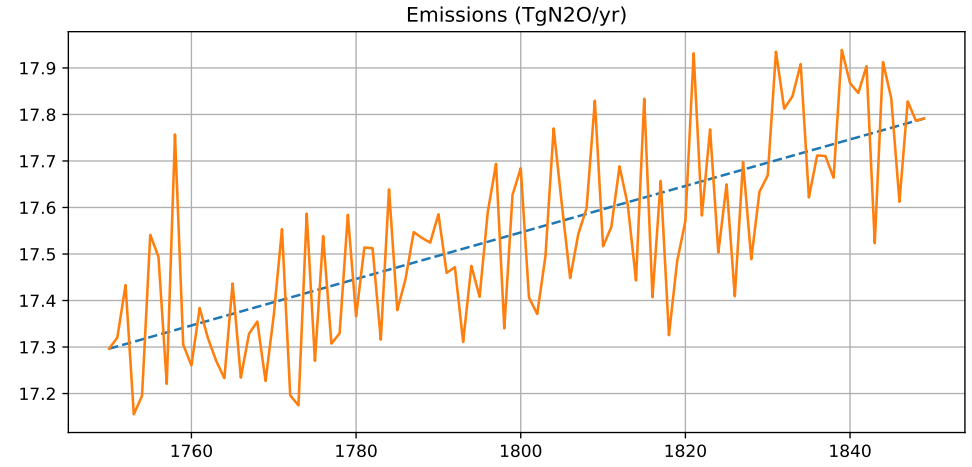

Difference of concentration (ppb)
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
1860
1880
1900
1920
1940
1960
1980
2000

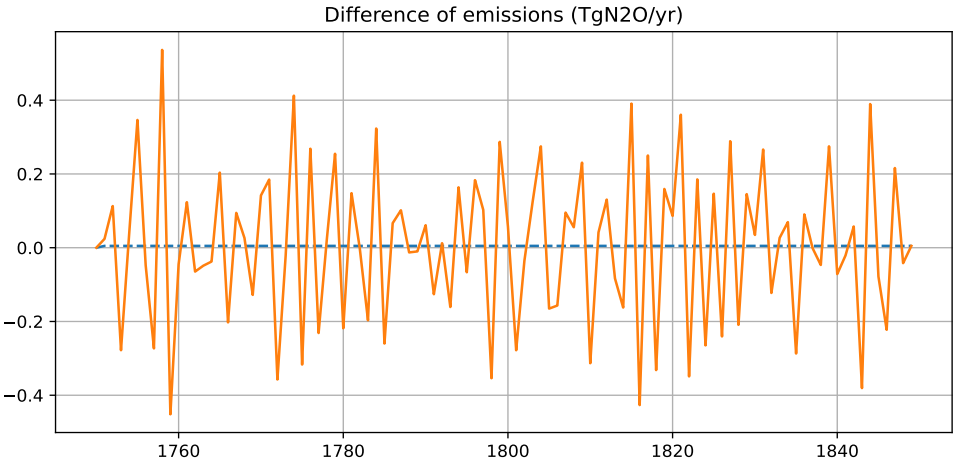
Add emissions from 1750 to 1850 – white noise

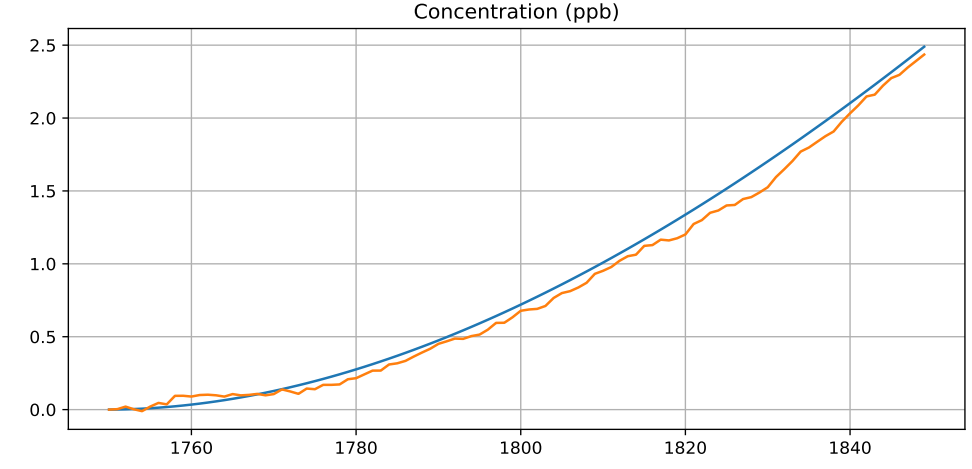
Add emissions from 1750 to 1850

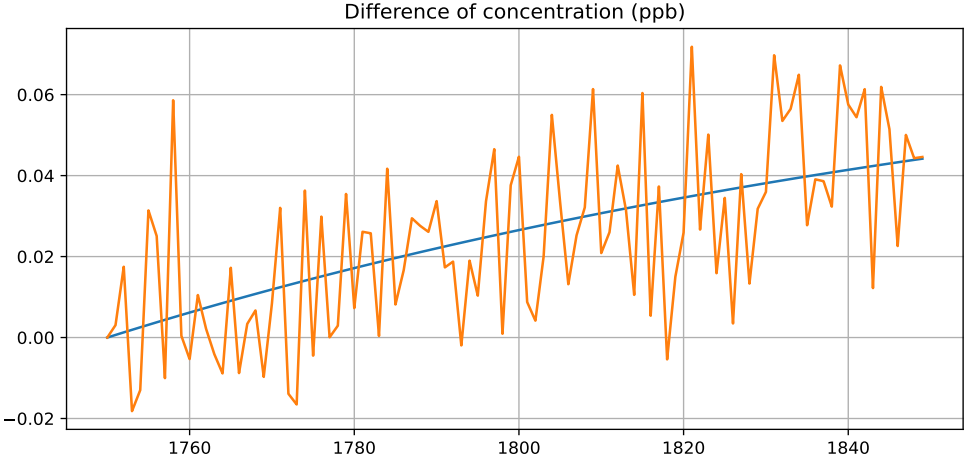


Add emissions from 1750 to 1850

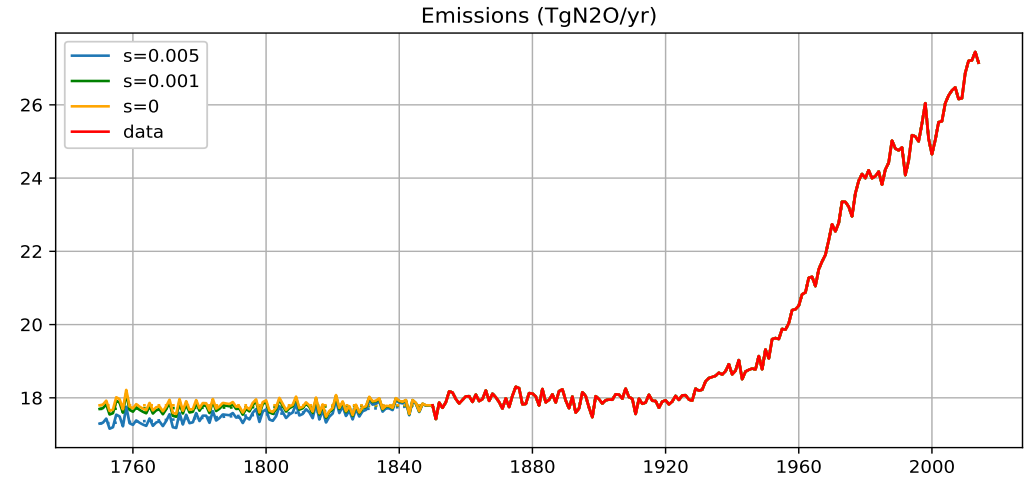


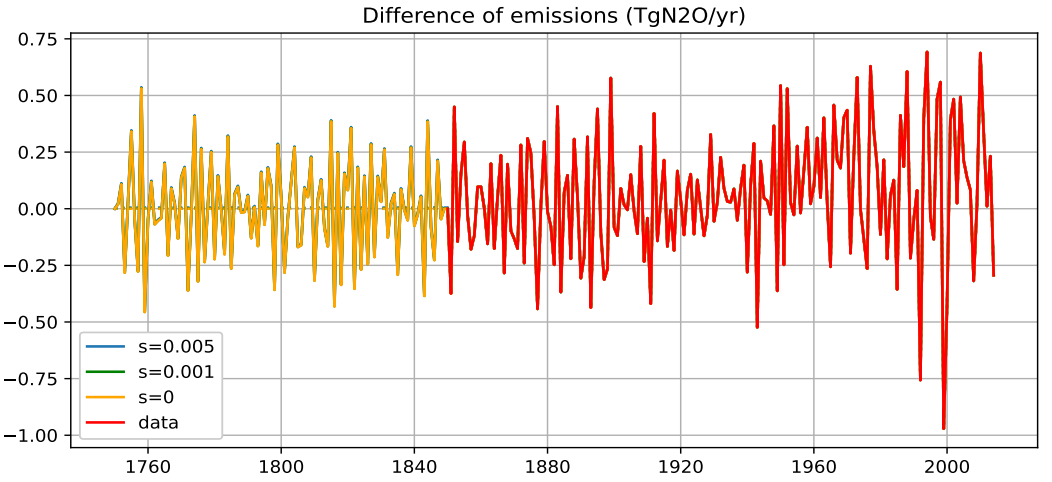


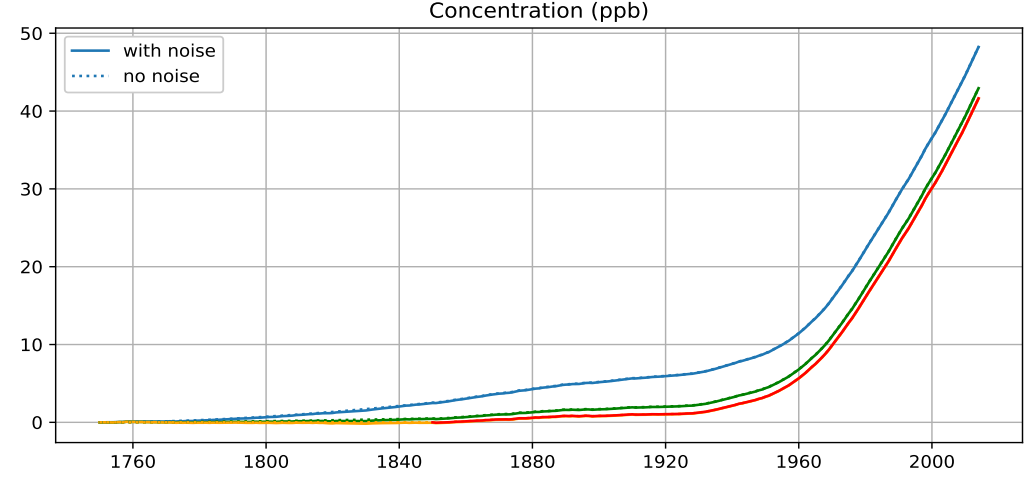


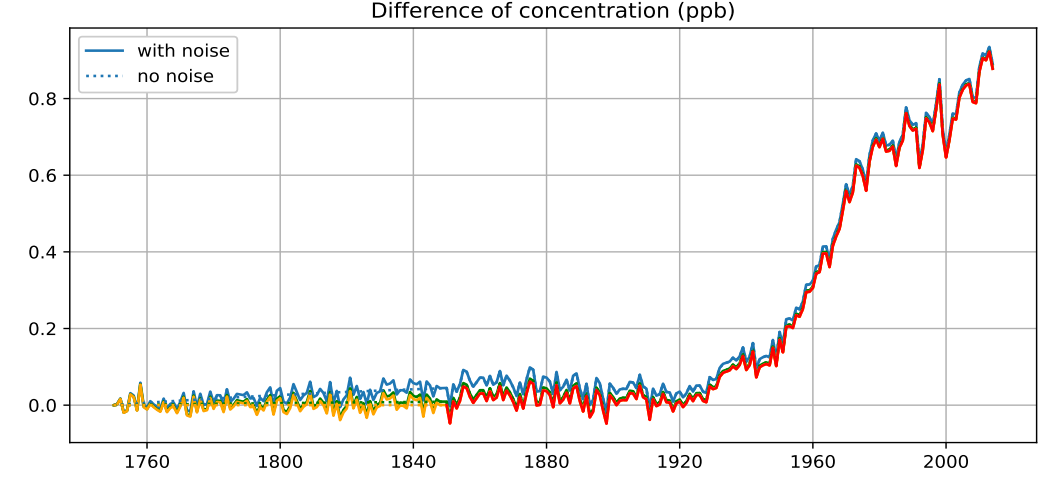


Add emissions from 1750 to 1850

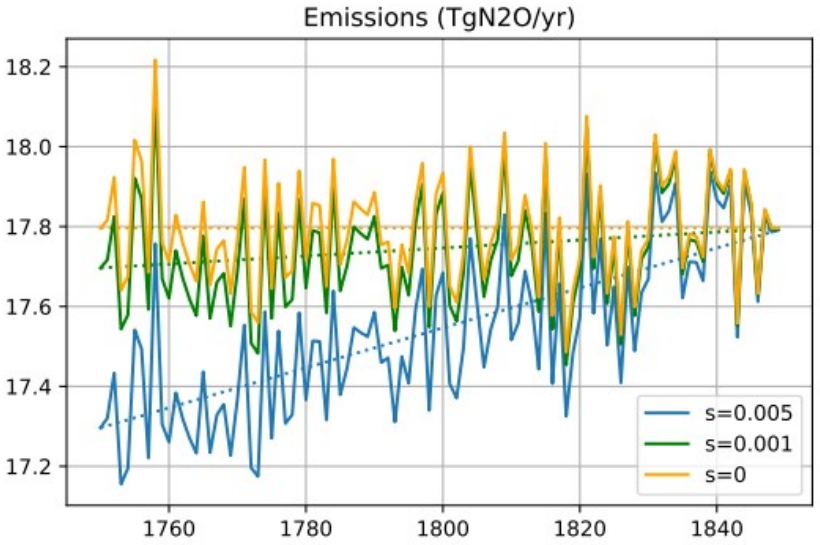


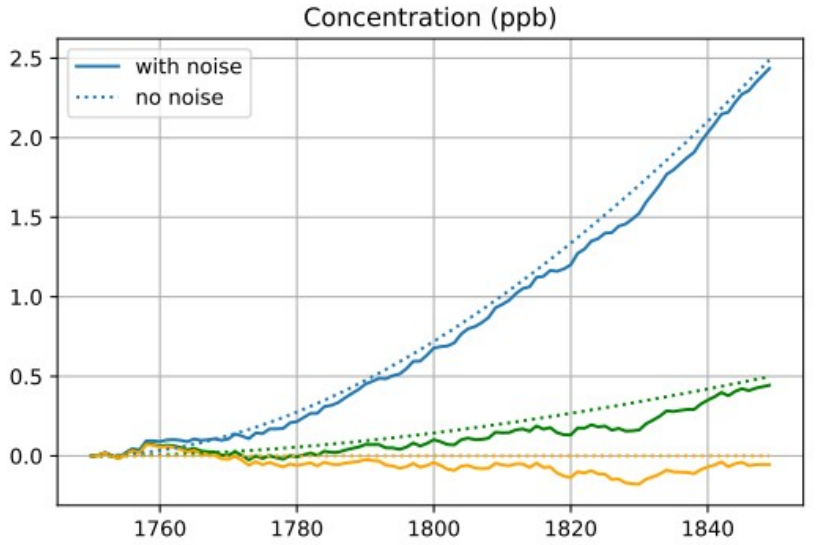






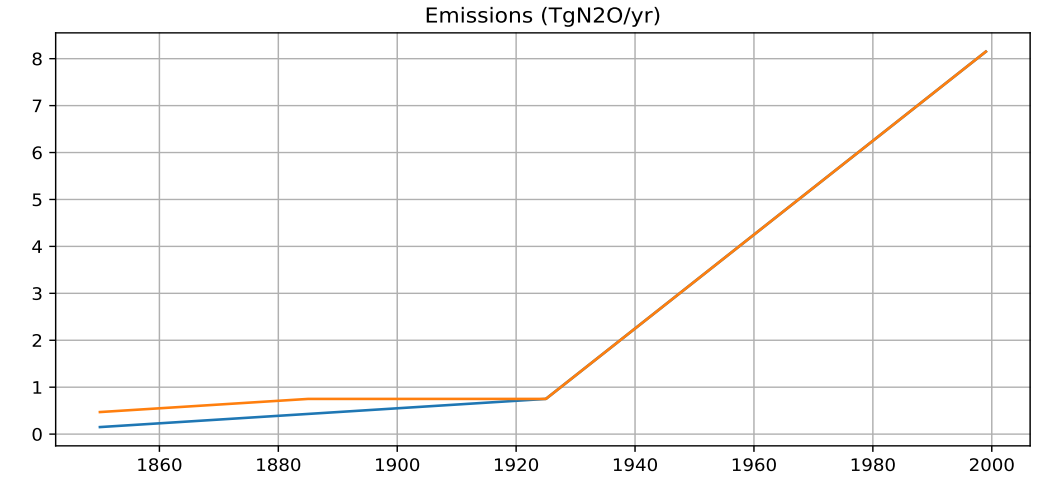
Add emissions from 1750 to 1850

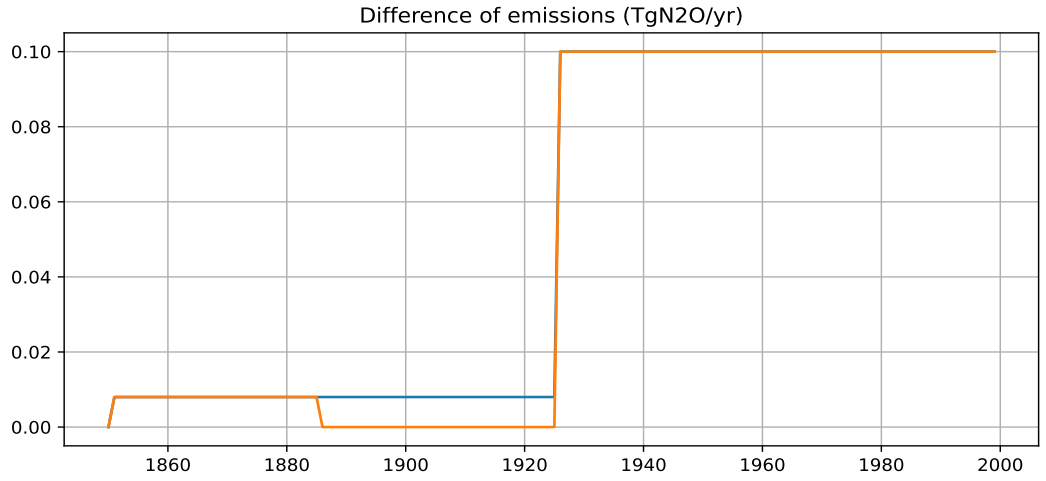


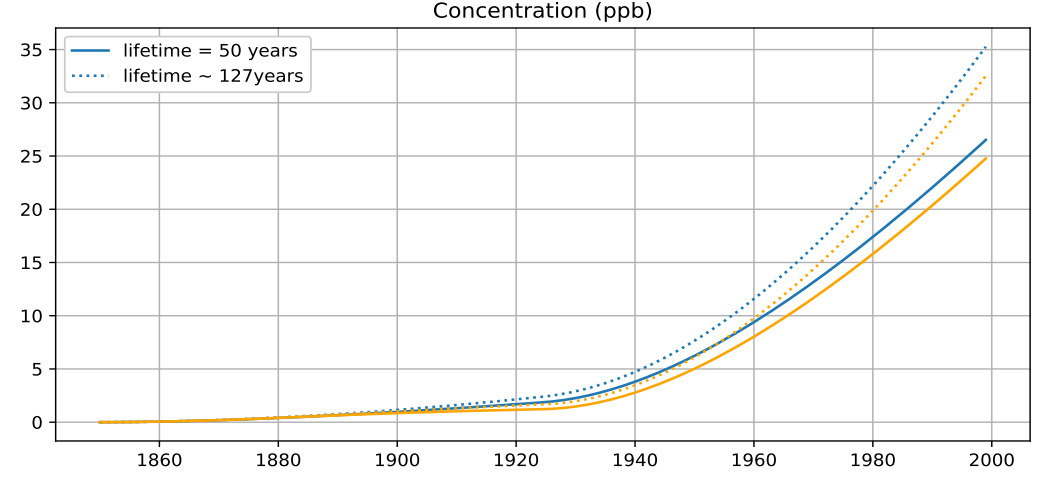


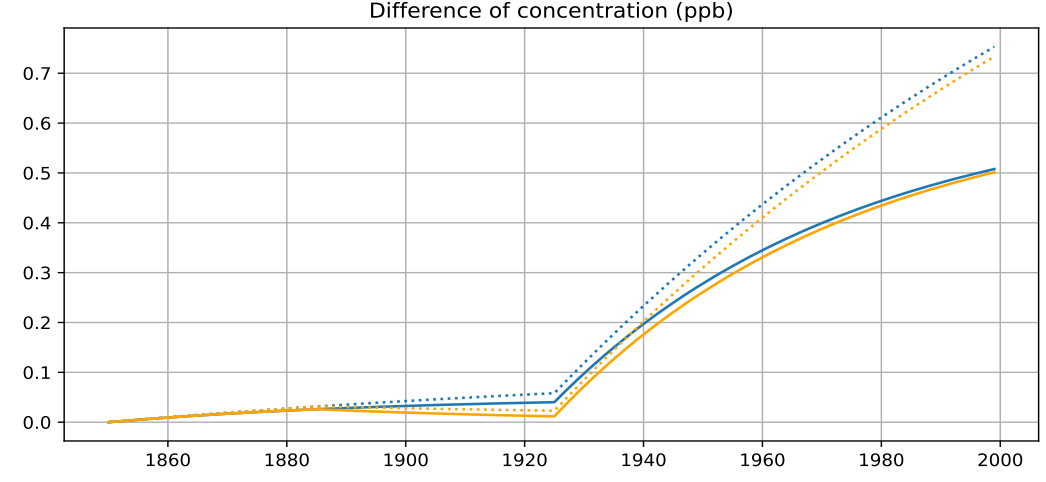
Different lifetime

Different lifetime - Trends

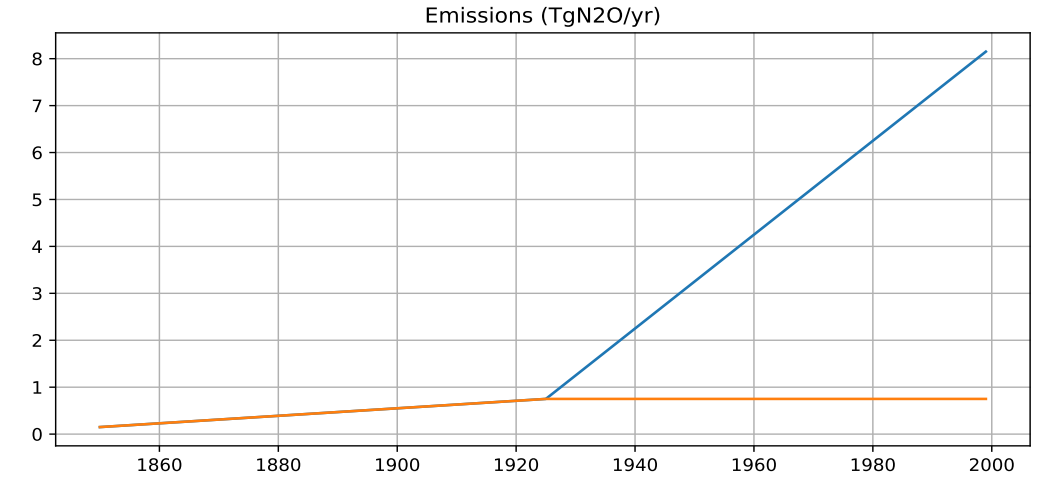


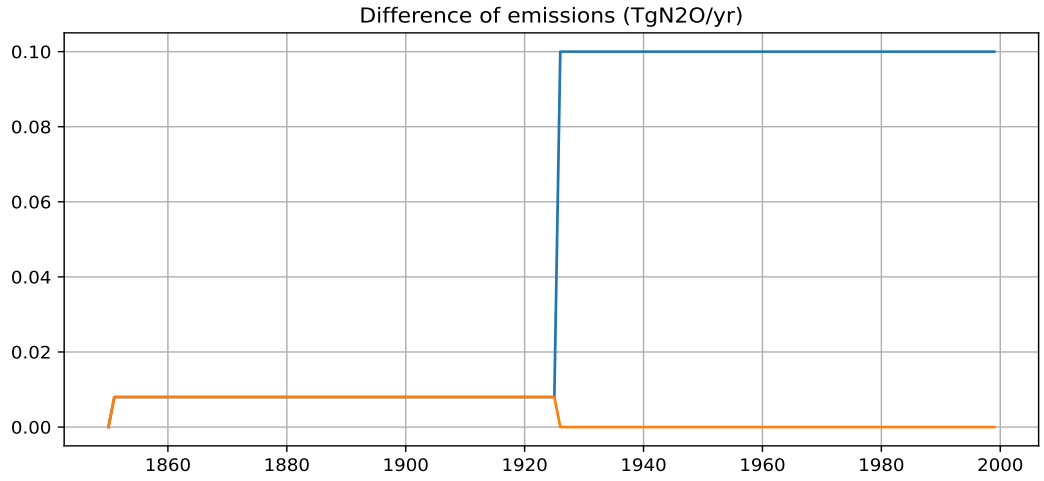


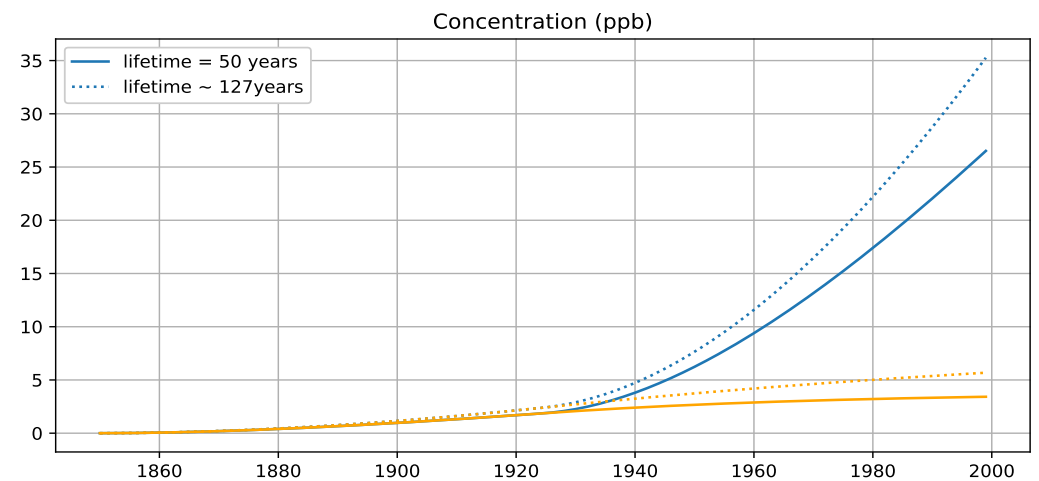


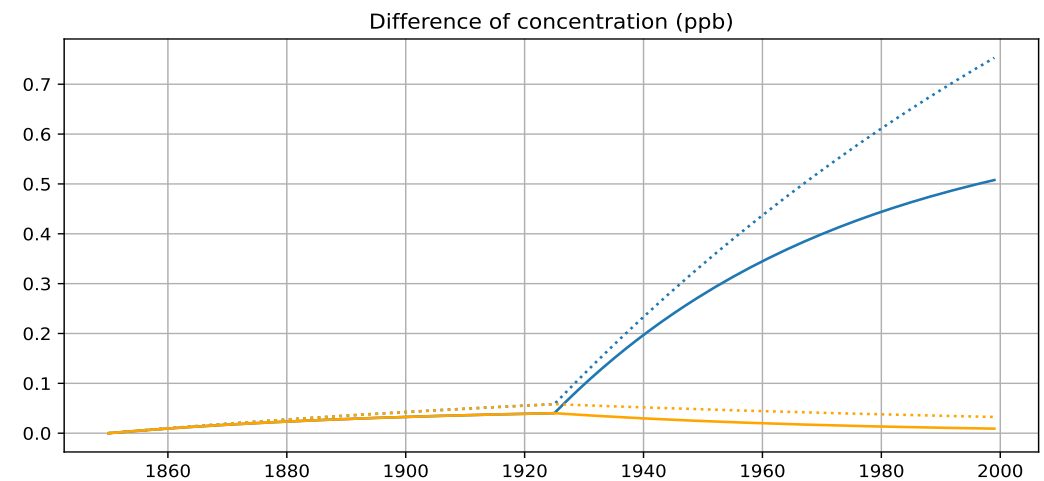


Different lifetime - Slopes

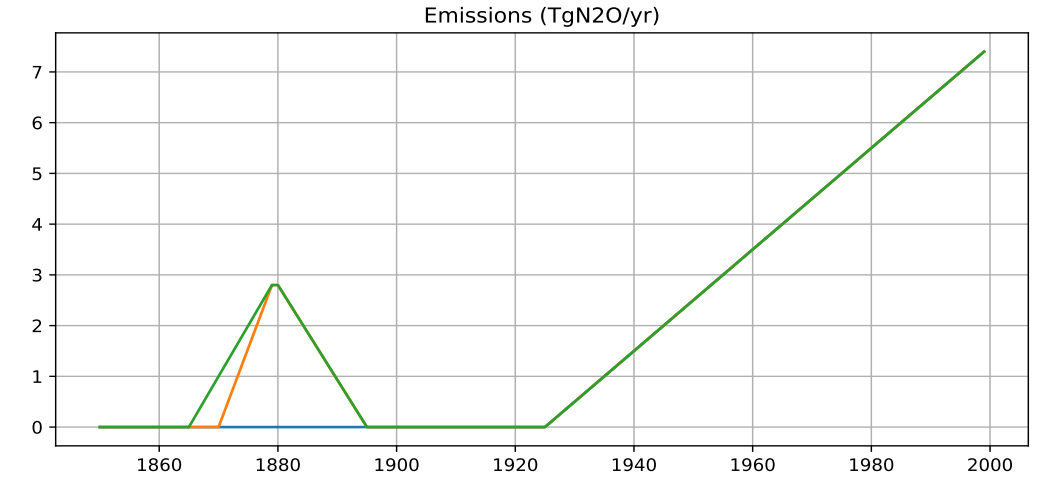


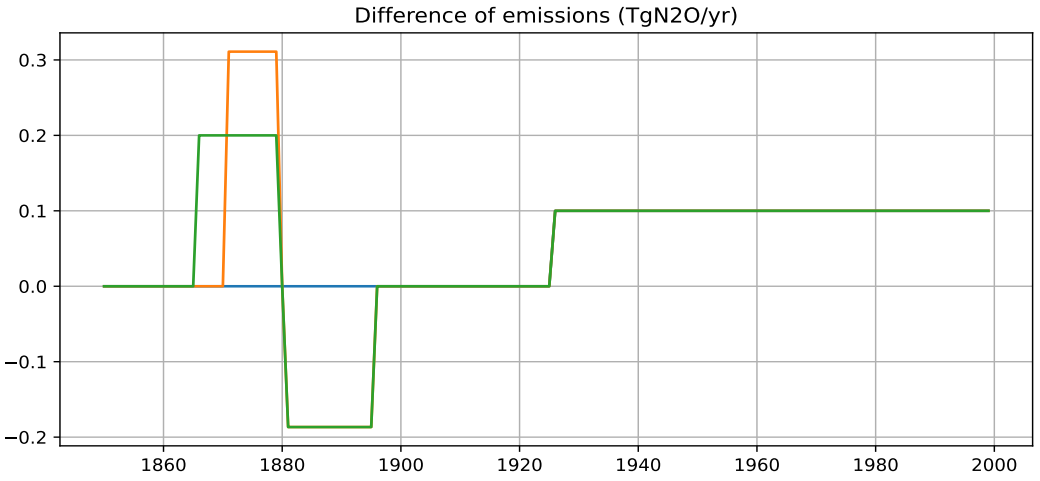


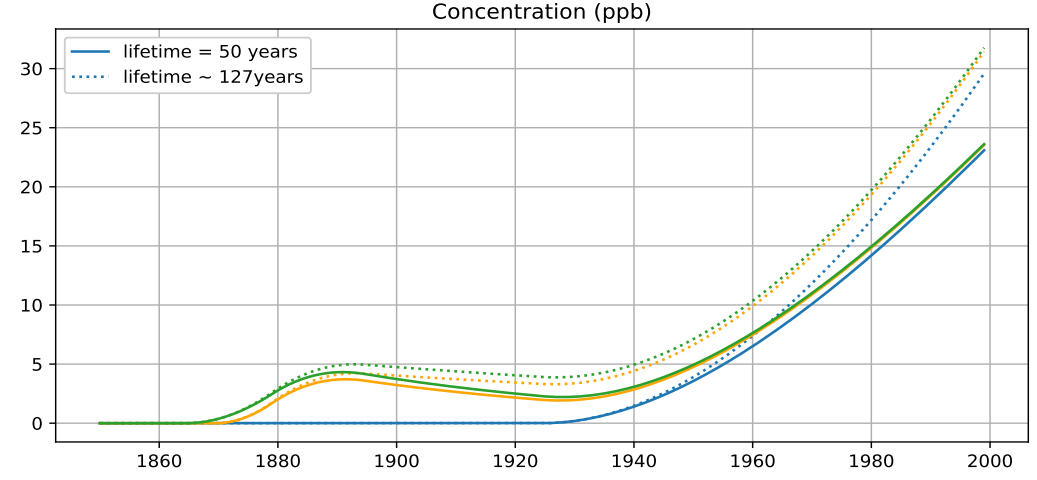


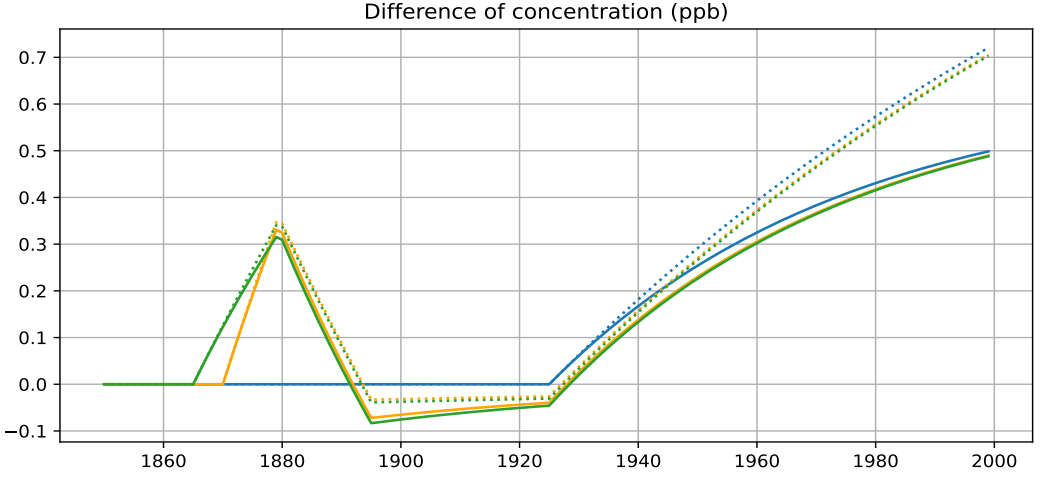


Different lifetime - Bumps



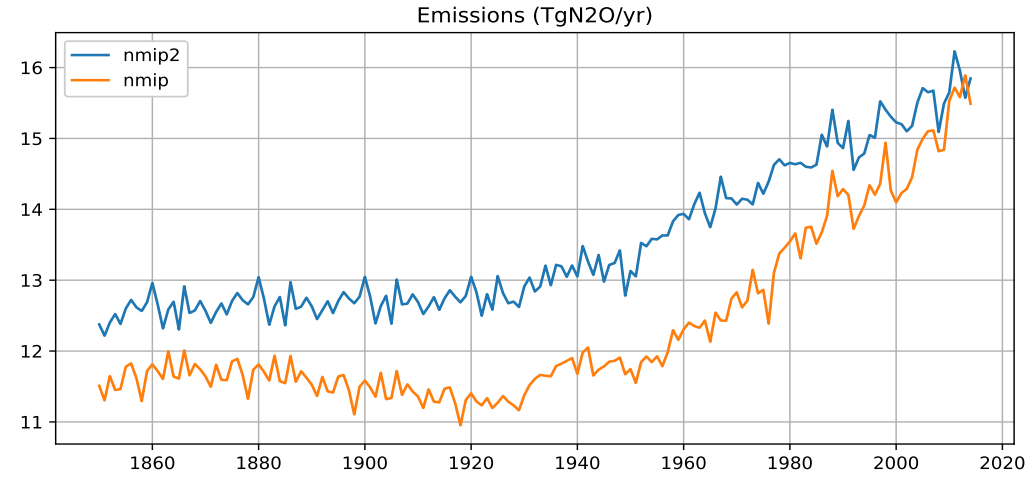


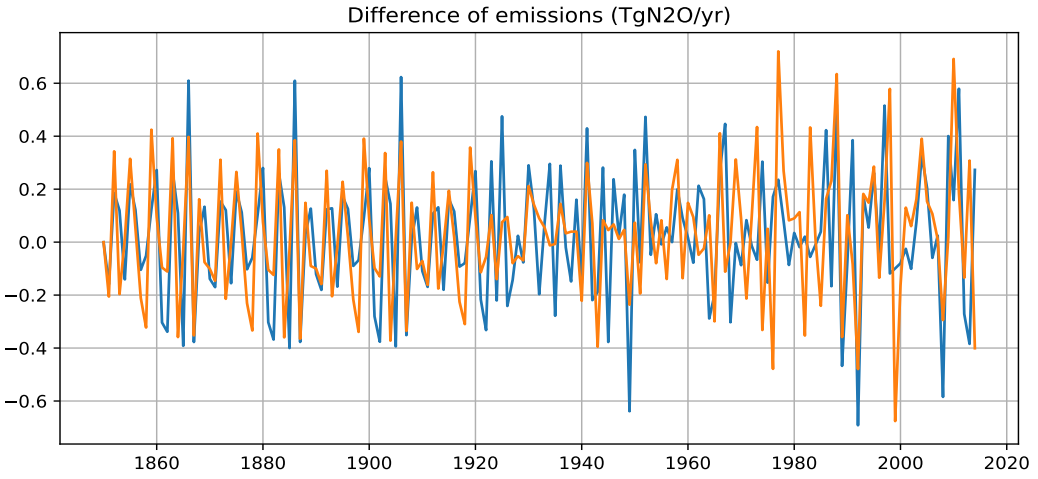


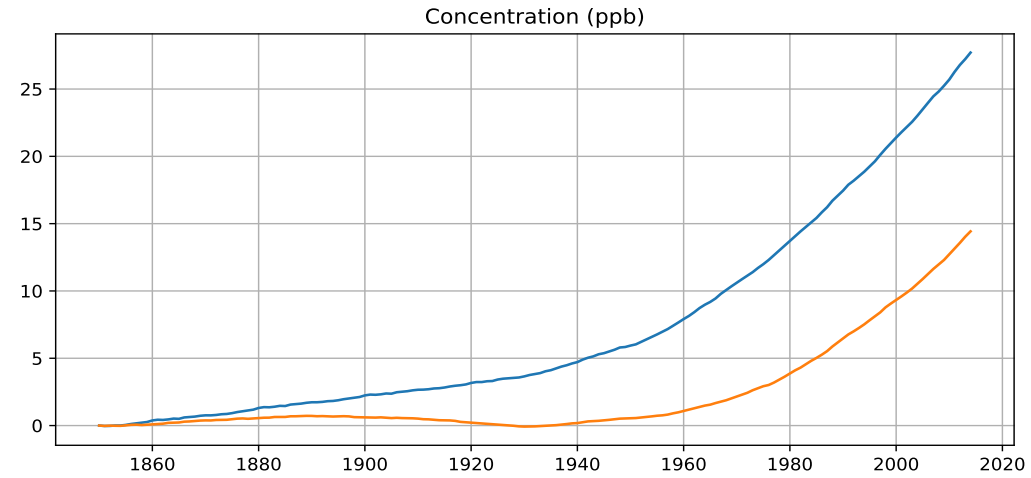


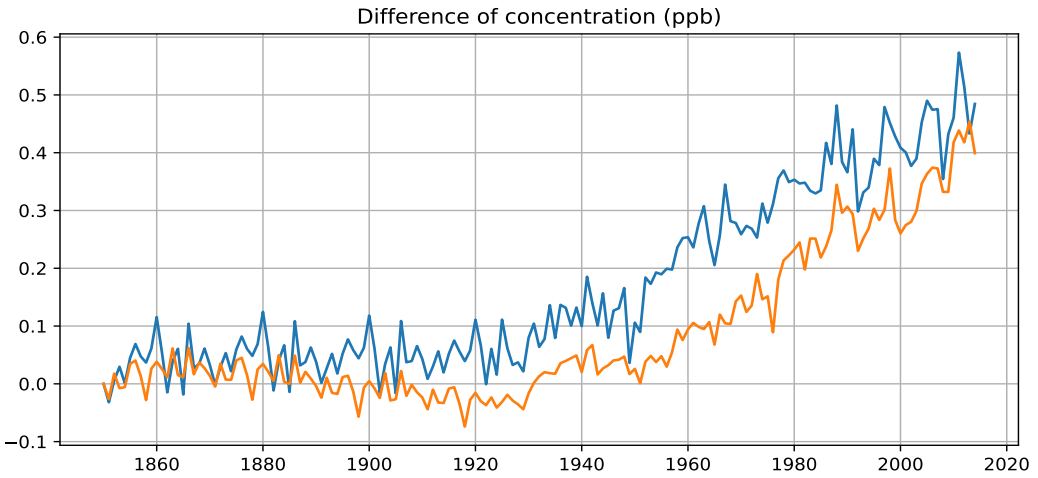
Different emissions ORCHIDEE

Different emissions ORCHIDEE



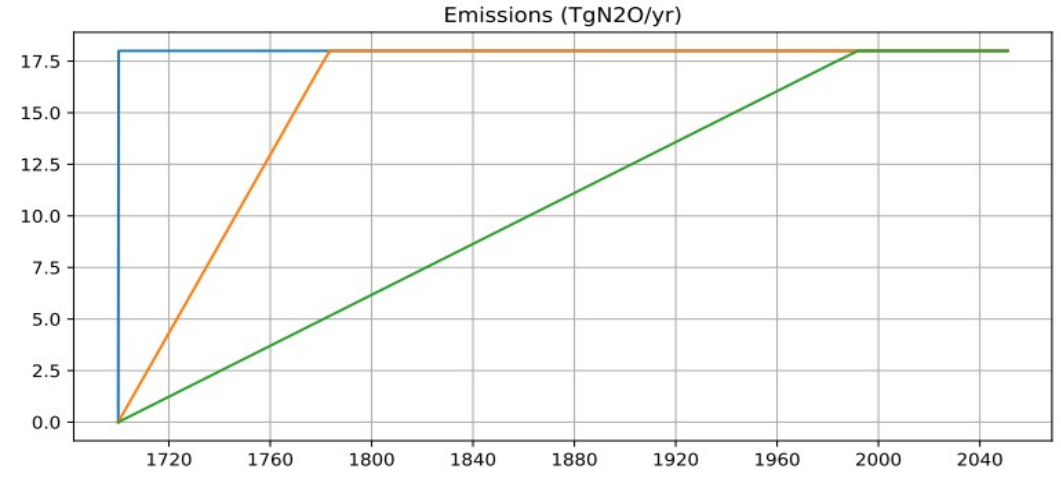


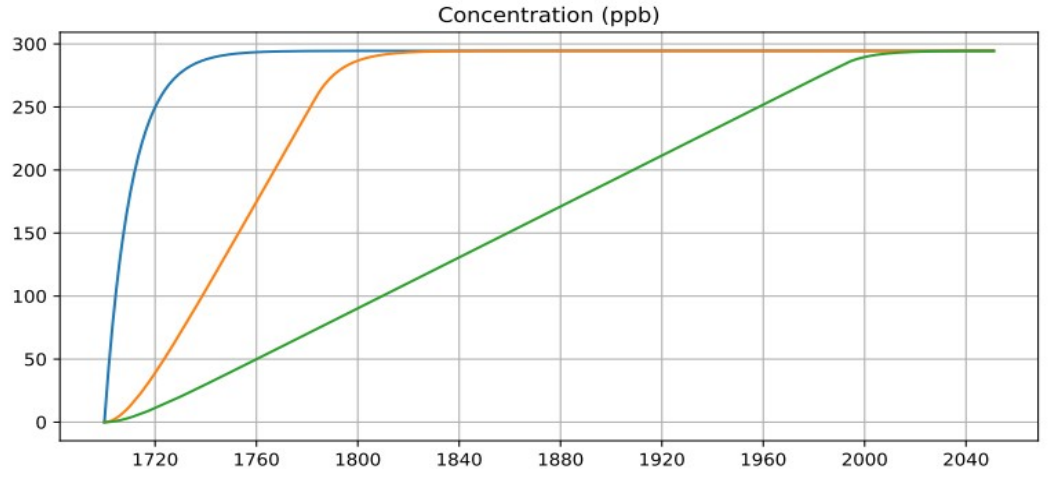


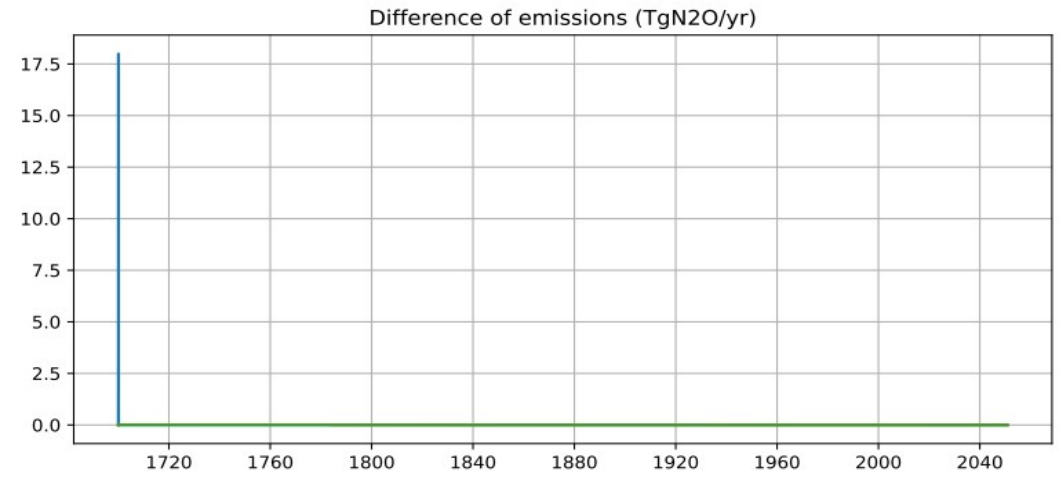


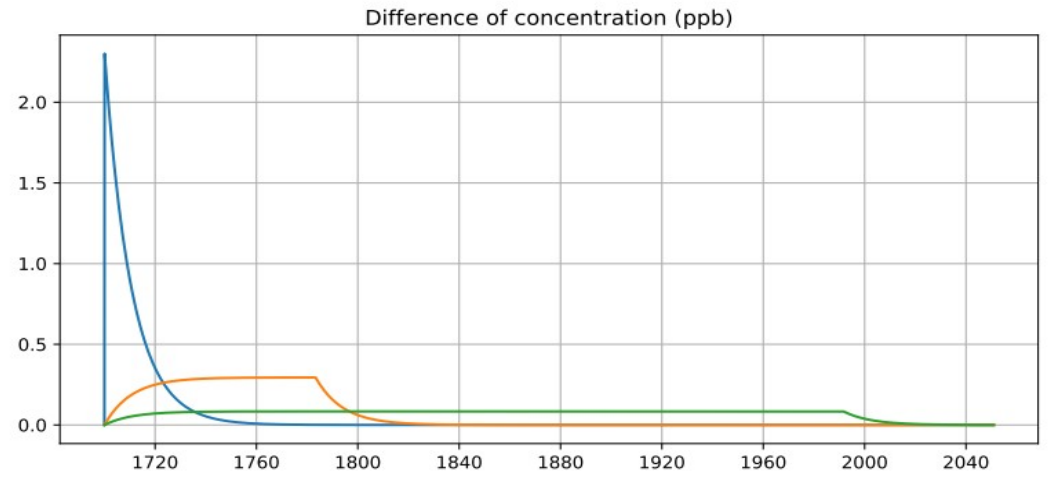
Convergence for concentration

Convergence for concentration

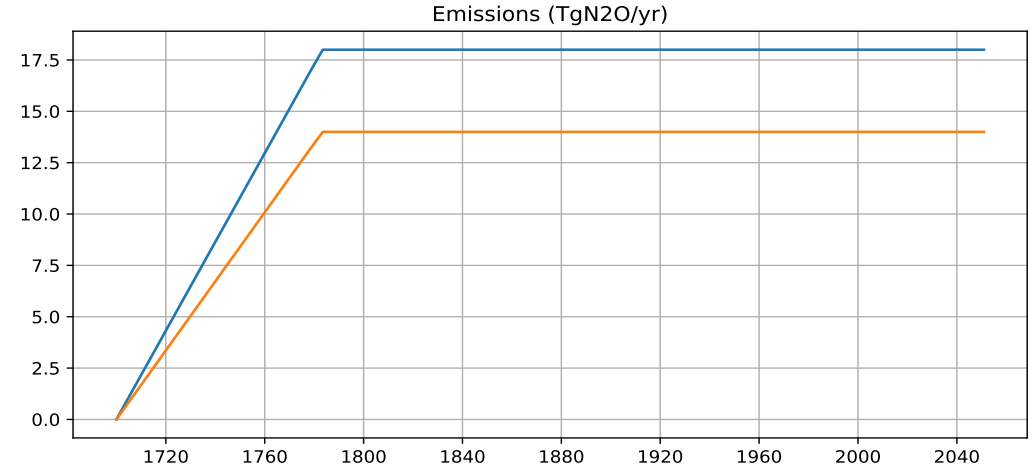


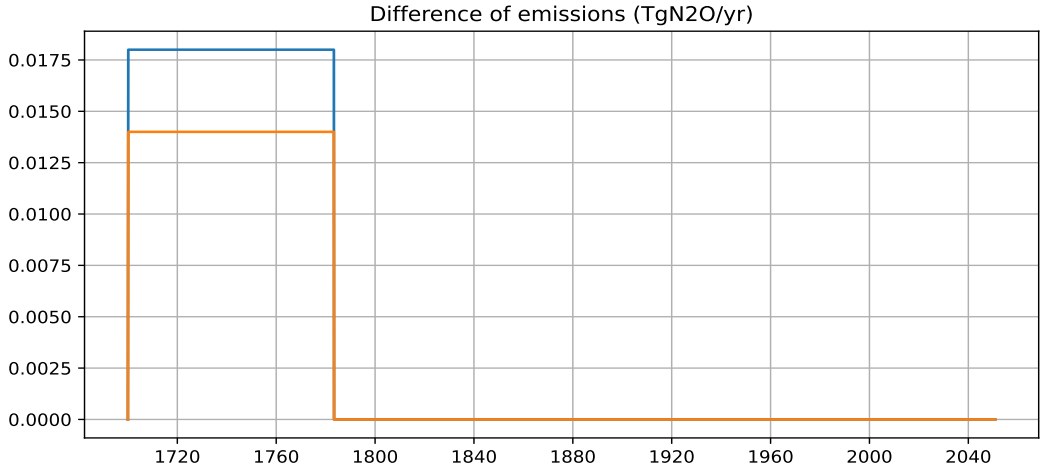


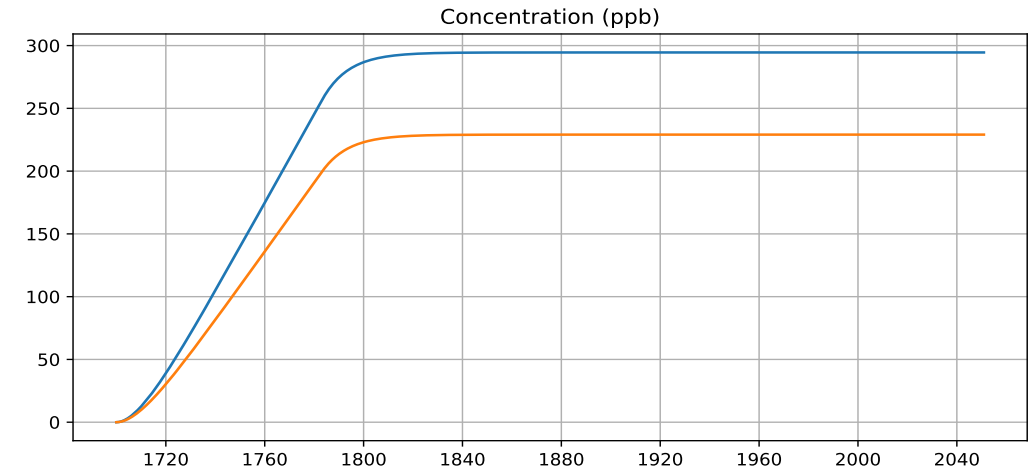


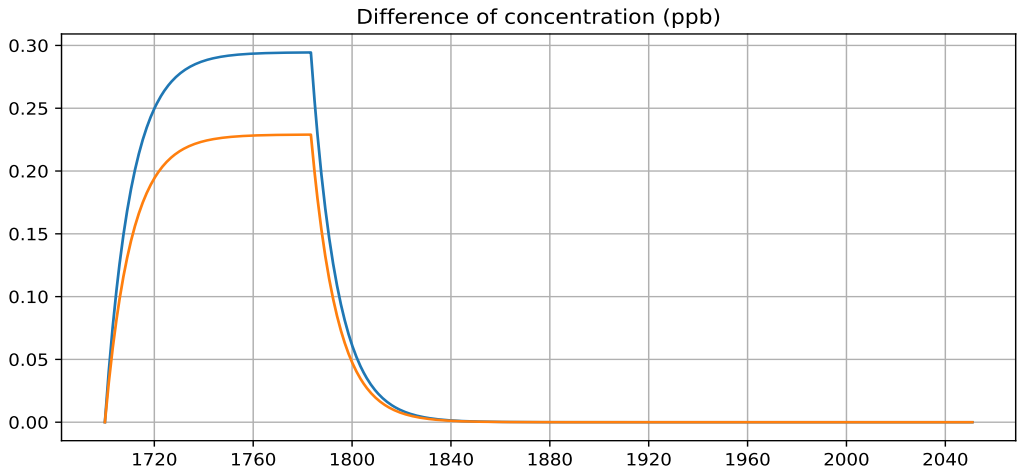


Convergence for concentration









Convergence for concentration