

# CO<sub>2</sub> flux trends heatmap in MPI-ESM Large Ensemble

CO<sub>2</sub>flux trend per trendlength [PgC]

1.05 PgC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.95 PgC	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.85 PgC	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.75 PgC	0.3	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0
0.65 PgC	1.1	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0
0.55 PgC	1.8	1.3	0.8	0.3	0.2	0.1	0.0	0.0	0.0
0.45 PgC	3.8	3.5	2.2	1.3	0.6	0.3	0.2	0.1	0.0
0.35 PgC	5.8	5.4	4.5	3.5	2.6	1.9	1.3	0.8	0.6
0.25 PgC	9.7	7.0	7.5	7.5	6.6	5.8	4.2	2.9	2.4
0.15 PgC	11.2	12.4	11.7	10.9	11.6	10.3	9.4	9.3	6.9
0.05 PgC	14.6	16.6	16.7	17.1	16.2	17.6	17.8	18.0	17.1
-0.05 PgC	12.9	14.3	16.5	18.7	19.5	20.4	21.8	20.8	24.4
-0.15 PgC	12.5	13.5	14.6	15.6	17.6	18.6	19.6	21.8	21.3
-0.25 PgC	9.5	10.3	12.2	11.6	12.2	12.4	13.3	14.1	15.8
-0.35 PgC	6.5	7.8	6.7	7.4	7.6	8.4	7.5	7.9	7.4
-0.45 PgC	4.9	3.9	3.7	4.4	3.3	3.1	3.7	3.0	3.1
-0.55 PgC	2.5	2.0	1.7	1.1	1.5	1.1	0.9	1.1	0.8
-0.65 PgC	1.1	0.8	0.5	0.3	0.2	0.2	0.2	0.0	0.1
-0.75 PgC	0.7	0.2	0.3	0.1	0.0	0.0	0.0	0.1	0.0
-0.85 PgC	0.4	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
-0.95 PgC	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-1.05 PgC									

Trendlength [years]

### Percentage of CO<sub>2</sub> flux trends for a given trendlength

