

Memo

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Subject Climate Change scenario data TACTIC pilot regions		

Within GeoERA Tactic WP 3 we agreed to compare models, tools and methods for climate assessments for groundwater. The climate change scenarios have been prepared by Deltares. Below follows a brief summary of the approach for the selection of climate change scenarios followed by instructions for use of the derived climate change factors.

1. Summary of approach for the selection of the climate change scenarios

1. Based on ISIMP climate data (ensembles of 15 models; 5 GCM's x 3 RCP's).
2. Selection of ensemble members based on two criteria:
 - a global warming level of +3 degrees and +1 degrees, relative to a reference period (1980-2010)
 - the 2nd highest and 2nd lowest scenario regarding precipitation change for each region of interest, based on annual mean change.
3. The results of the standard scenarios for +3 degrees will be used in all pilots by applying a "delta-change method" by using a monthly correction factor on the reference datasets of each pilot area. The +1 degrees scenarios are available for optional use in the pilots.

The approach is explained in more detail in the pptx file provided with the data:

Tactic Protocol Climate Change Scenarios.pptx

This pptx was also presented during one of the WP telecoms.

2. Summary of the approach to develop local precipitation, temperature and evaporation time-series for future climate conditions by all partners

1. Each partner uses his local historical data as a reference, assuming that these datasets describe the natural day-to-day weather features and are already used in present-day implementations of the groundwater modelling tools.
2. Monthly change correction factors per calendar month are now provided to be applied on the local time series (change of precipitation, change of temperature, change of evapotranspiration).
3. The correction factors for temperature are additive, the correction factors for evaporation and precipitation are multiplicative to avoid negative future precipitation.

3. Example and explanation of the data files provided to all partners

The monthly climate change factors are provided in pdf files. There are 6 files with in each file the climate change factors for one of the variables precipitation (multiplicative), potential evaporation (multiplicative) and temperature (additive). The change factors for the 1 degree and 3 degrees scenarios are provided in separate files.

The below picture is a screenshot of the pdf file:

T_change_1degree_additive.pdf

From top to bottom the data for the different pilots are provided (reference is made to the original naming in the shape files provided by the partners for their case-studies). For each region first the minimum scenario is given followed by the maximum scenario in the next row.

From left to right the columns contain the name of the region, the scenario, the GCM from which the data is used, the RCP for which data is used, followed by the calendar months for which the change factors are applicable.

region	scenario	GCM	RCP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Avre_Pilot	minchange	hadgem2-es	rcp6p0	1,48	0,17	0,58	0,56	0,42	1,05	1,41	1,54	1,11	0,68	0,8	0,37
Avre_Pilot	maxchange	ipsi-cm5a-4r	rcp4p5	0,88	1,07	0,62	0,65	0,58	1,03	1,27	0,84	1,43	1,56	1,03	1,3
Avre_Pilot_025	minchange	hadgem2-es	rcp6p0	1,48	0,17	0,59	0,55	0,43	1,05	1,42	1,55	1,12	0,69	0,79	0,38
Avre_Pilot_025	maxchange	ipsi-cm5a-4r	rcp4p5	0,88	1,07	0,62	0,65	0,58	1,03	1,27	0,84	1,43	1,56	1,03	1,3
Boutonne_Pilot	minchange	noresm1-m	rcp4p5	0,91	0,73	1,13	1,81	1,61	0,93	1,67	1,31	1,48	0,59	0,17	1,22
Boutonne_Pilot	maxchange	miroc-esm-chem	rcp4p5	2,46	2,35	0,8	1,52	1,19	1,74	1,65	1,56	2,15	1,35	1,81	1,4
Croatia_Pilot	minchange	gfdl-esm2m	rcp6p0	1,62	-0,03	0,22	0,4	0,46	0,37	0,72	1,32	0,96	1,07	0,22	0,04
Croatia_Pilot	maxchange	miroc-esm-chem	rcp6p0	2,96	3,18	1,71	1,97	2,34	2,74	2,58	2,4	2,85	2,55	2,26	2,28
Croatia_Pilot_WPS	minchange	gfdl-esm2m	rcp6p0	0,88	0,12	0,32	0,42	0,71	0,61	0,9	1,33	1,09	1,2	0,29	0,03
Croatia_Pilot_WPS	maxchange	miroc-esm-chem	rcp6p0	2,38	2,58	1,75	2,12	2,68	3,19	3,1	2,82	2,96	2,61	2,18	2,01
Falster_Pilot_DK	minchange	noresm1-m	rcp4p5	0,59	0,85	1,1	1,52	1,38	1	1,71	1,12	1,18	0,45	0,25	1,09
Falster_Pilot_DK	maxchange	miroc-esm-chem	rcp6p0	3,22	3,37	2,36	2,65	2,29	2,94	3,15	3,01	2,78	2,62	2,48	2,57
France_Pilot	minchange	noresm1-m	rcp4p5	0,57	0,64	0,44	1	1,09	1,03	1,45	1,59	1,38	0,74	0,42	1,17

region	scenario	GCM	RCP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Avre_Pilot	minchange	hadgem2-	rcp6p0	1,0694	1,007598	1,023697	1,020736	1,013533	1,03106	1,039248	1,042974	1,033631	1,023275	1,031789	1,016027
Avre_Pilot	maxchange	ipsl-cm5a-	rcp4p5	1,039346	1,047313	1,024804	1,023649	1,018895	1,030094	1,034685	1,022991	1,04313	1,053142	1,040542	1,056337
Avre_Pilot_025	minchange	hadgem2-	rcp6p0	1,069238	1,007587	1,024116	1,020381	1,013873	1,031088	1,03957	1,043289	1,033954	1,023601	1,031342	1,016432
Avre_Pilot_025	maxchange	ipsl-cm5a-	rcp4p5	1,039346	1,047313	1,024804	1,023649	1,018895	1,030094	1,034685	1,022991	1,04313	1,053142	1,040542	1,056337
Boutonne_Pilot	minchange	noresm1-r	rcp4p5	1,052372	1,038169	1,050054	1,068494	1,051429	1,025945	1,045324	1,036063	1,045601	1,021265	1,007497	1,064091
Boutonne_Pilot	maxchange	miroc-esm	rcp4p5	1,141741	1,127126	1,035234	1,056139	1,037193	1,049935	1,044444	1,042558	1,066041	1,048517	1,080496	1,07282
Croatia_Pilot	minchange	gfdl-esm2i	rcp6p0	1,087874	0,998571	1,008805	1,013465	1,013374	1,009873	1,018309	1,034343	1,027606	1,036166	1,00888	1,001942
Croatia_Pilot	maxchange	miroc-esm	rcp6p0	1,162231	1,156994	1,067414	1,066452	1,06859	1,073467	1,065573	1,061451	1,081509	1,058411	1,092792	1,112285
Croatia_Pilot_WP5	minchange	gfdl-esm2i	rcp6p0	1,036812	1,040772	1,011588	1,013403	1,01973	1,015328	1,021229	1,03189	1,02856	1,035826	1,009936	1,001172
Croatia_Pilot_WP5	maxchange	miroc-esm	rcp6p0	1,100483	1,104599	1,062937	1,06785	1,074828	1,080321	1,073294	1,067102	1,072773	1,077504	1,075029	1,079023
Falster_Pilot_DK	minchange	noresm1-r	rcp4p5	1,032425	1,045538	1,052542	1,062281	1,046692	1,029312	1,048448	1,031995	1,036869	1,016097	1,010649	1,054731
Falster_Pilot_DK	maxchange	miroc-esm	rcp6p0	1,177552	1,184097	1,112619	1,106831	1,076015	1,088088	1,087608	1,084775	1,086616	1,093955	1,106048	1,127698
France_Pilot	minchange	noresm1-r	rcp4p5	1,02208	1,023885	1,015243	1,032107	1,031272	1,026245	1,034226	1,038051	1,036234	1,0218	1,014134	1,044125
France_Pilot	maxchange	miroc-esm	rcp6p0	1,059531	1,056242	1,026571	1,027002	1,055745	1,050687	1,035556	1,034749	1,035306	1,041771	1,055074	1,044166
Hungary_Pilot	minchange	miroc-esm	rcp4p5	1,119348	1,112945	1,034434	1,05299	1,056783	1,059771	1,042531	1,050018	1,061059	1,044007	1,075796	1,04668
Hungary_Pilot	maxchange	miroc-esm	rcp6p0	1,172771	1,173997	1,084082	1,09165	1,084747	1,084938	1,080784	1,073006	1,093567	1,094681	1,109987	1,136416
Ireland_WP4_GSI_karsta SE_Mids_outline_WGS84	minchange	noresm1-r	rcp6p0	1,083606	1,08756	1,062819	1,068858	1,081957	1,061888	1,06837	1,067144	1,067867	1,058833	1,051916	1,077623
Ireland_WP4_GSI_karsta SE_Mids_outline_WGS84	maxchange	gfdl-esm2i	rcp4p5	1,044081	0,996542	1,019138	0,996493	1,00317	1,002893	1,002134	0,995112	1,0108	1,009984	1,009488	1,033662
Ireland_WP4_Ireland_National_WGS84	minchange	hadgem2-	rcp6p0	1,036112	1,037589	1,028754	1,028597	1,038207	1,043444	1,04679	1,051604	1,059451	1,061962	1,05268	1,0453
Ireland_WP4_Ireland_National_WGS84	maxchange	miroc-esm	rcp6p0	1,057059	1,045816	1,043553	1,044255	1,052961	1,055615	1,060055	1,070889	1,074154	1,072431	1,056024	1,052742
Ireland_WP4_SERegion_WGS84	minchange	hadgem2-	rcp6p0	1,032772	0,991153	1,00971	0,99317	0,995187	1	1,001201	0,992491	1,007345	1,009357	1,008029	1,02758
Ireland_WP4_SERegion_WGS84	maxchange	gfdl-esm2i	rcp4p5	1,045652	1,047788	1,035892	1,036404	1,050181	1,055477	1,060524	1,06249	1,056961	1,068598	1,058744	1,053654
Malta	minchange	gfdl-esm2i	rcp4p5	1,008816	1,014344	1,000626	1,008176	1,011356	1,013615	1,022893	1,020342	1,020601	1,00231	1,005694	1,009365
Malta	maxchange	hadgem2-	rcp6p0	1,068311	1,026692	1,0585	1,057276	1,052974	1,051189	1,053629	1,046665	1,048388	1,052745	1,051004	1,066634
MSLA - Data	minchange	gfdl-esm2i	rcp4p5	1,008816	1,014344	1,000626	1,008176	1,011356	1,013877	1,021677	1,019745	1,020161	1,00231	1,005694	1,009365
MSLA - Data	maxchange	hadgem2-	rcp6p0	1,068311	1,026692	1,0585	1,057276	1,052974	1,051453	1,054571	1,047465	1,048899	1,051721	1,051004	1,066634
NEPPlain_Pilot	minchange	gfdl-esm2i	rcp6p0	1,078618	1,010103	1,004735	1,013016	1,01581	1,016208	1,02178	1,031924	1,030409	1,028961	1,00747	1,099468
NEPPlain_Pilot	maxchange	miroc-esm	rcp6p0	1,140401	1,127427	1,065144	1,068952	1,077755	1,079775	1,074277	1,074552	1,082244	1,082856	1,083215	1,100021
Netherlands-pilot-shapefile-Raam	minchange	noresm1-r	rcp6p0	1,133231	1,107885	1,08342	1,014045	1,095411	1,055464	1,07898	1,083795	1,08778	1,01717	1,062563	1,102241
Netherlands-pilot-shapefile-Raam	maxchange	miroc-esm	rcp6p0	1,11581	1,022525	1,01723	1,016599	1,020652	1,013507	1,019655	1,013704	1,032885	1,031165	1,041296	1,044918
Netherlands	minchange	noresm1-r	rcp6p0	1,12229	1,105702	1,082626	1,103209	1,098587	1,054719	1,081485	1,087317	1,085105	1,069223	1,059302	1,099704
Netherlands	maxchange	miroc-esm	rcp6p0	1,227392	1,227033	1,220676	1,118259	1,224782	1,114585	1,223686	1,115075	1,239463	1,249554	1,253902	1,259074
Pilot_TACTIC_Finland_GTK	minchange	noresm1-r	rcp6p0	1,028091	1,04323	1,047492	1,052751	1,038601	1,0224	1,043725	1,030103	1,034565	1,014236	1,00869	1,053529
Pilot_TACTIC_Finland_GTK	maxchange	gfdl-esm2i	rcp4p5	1,316959	1,213324	1,132417	1,088574	1,047891	1,028625	1,017082	1,051892	1,051952	1,059927	1,093707	1,119417
Posavina_WGS_1984	minchange	miroc-esm	rcp4p5	1,097675	1,093816	1,025953	1,043399	1,050455	1,05871	1,047741	1,053796	1,057306	1,042758	1,068735	1,042886
Posavina_WGS_1984	maxchange	ipsl-cm5a-	rcp6p0	1,161442	1,122484	1,106509	1,090533	1,042008	1,063199	1,073838	1,074984	1,086011	1,094747	1,070073	1,164144
PT_Pilot_31_M12-Campina_de_Faro_WGS84	minchange	gfdl-esm2i	rcp6p0	1,02892	1,031559	1,010816	1,016806	1,023213	1,053099	1,037201	1,028835	1,023394	1,014164	1,02672	1,019909
PT_Pilot_31_M12-Campina_de_Faro_WGS84	maxchange	noresm1-r	rcp4p5	1,02509	1,021661	1,007366	1,014673	1,036008	1,03018	1,018507	1,019118	1,032982	1,028559	1,019465	1,028965
Southern_Jutland_DK	minchange	noresm1-r	rcp4p5	1,026859	1,042867	1,044589	1,049096	1,042654	1,025159	1,047462	1,030027	1,033887	1,013259	1,008069	1,048054
Southern_Jutland_DK	maxchange	miroc-esm	rcp6p0	1,085104	1,075552	1,041177	1,03907	1,045259	1,052003	1,041422	1,049791	1,052018	1,048324	1,072035	1,060114
Storoen_And_Sunds_DK	minchange	noresm1-r	rcp4p5	1,025827	1,044192	1,048625	1,048831	1,035407	1,020855	1,041073	1,028433	1,031801	1,013632	1,008469	1,04803
Storoen_And_Sunds_DK	maxchange	miroc-esm	rcp6p0	1,164267	1,164431	1,112865	1,110807	1,077068	1,092883	1,094812	1,089284	1,085301	1,090793	1,101121	1,118512
Sweden_Pilot	minchange	noresm1-r	rcp4p5	1,037295	1,066075	1,079278	1,068695	1,055504	1,032341	1,052204	1,033631	1,041116	1,021297	1,029161	1,070205
Sweden_Pilot	maxchange	gfdl-esm2i	rcp4p5	1,231407	1,144646	1,091661	1,063137	1,046832	1,030035	1,031291	1,039301	1,038774	1,057407	1,083311	1,114397
TACTIC_WP3_GSI_gort_catchment_WGS84	minchange	noresm1-r	rcp4p5	1,026866	1,0328	1,020143	1,020365	1,020317	1,01819	1,026756	1,022232	1,023533	1,017714	1,008358	1,029755
TACTIC_WP3_GSI_gort_catchment_WGS84	maxchange	gfdl-esm2i	rcp4p5	1,041068	0,993078	1,017065	0,996111	1,00106	1,003254	1,004636	0,994444	1,010889	1,008257	1,00719	1,036887
Ukraine_Pilot	minchange	noresm1-r	rcp6p0	1,343593	1,124671	1,142474	1,102327	1,067031	1,059061	1,092458	1,105628	1,109571	1,081367	1,097751	1,120374
Ukraine_Pilot	maxchange	miroc-esm	rcp6p0	1,270222	1,299437	1,13736	1,085514	1,066578	1,076035	1,069599	1,073405	1,098064	1,107096	1,130402	1,183097
UK_Pilot_WP4	minchange	noresm1-r	rcp6p0	1,082464	1,082248	1,062058	1,088854	1,091105	1,06119	1,077644	1,082458	1,063284	1,049275	1,075999	1,075999
UK_Pilot_WP4	maxchange	gfdl-esm2i	rcp4p5	1,049155	0,992795	1,013841	1,006758	1,019353	1,031399	1,021171	1,015222	1,029344	1,027716	1,020018	1,026405
UK_Pilot_WP5	minchange	gfdl-esm2i	rcp6p0	1,063573	1,010951	1,026626	1,019196	1,020038	1,024371	1,018259	1,019596	1,017679	1,017627	1,028288	1,029145
UK_Pilot_WP5	maxchange	ipsl-cm5a-	rcp6p0	1,099883	1,107825	1,068849	1,073644	1,061319	1,090097	1,086552	1,055917	1,079166	1,086542	1,07467	1,095927
UK_Pilot_WP5_025	minchange	gfdl-esm2i	rcp6p0	1,063573	1,010951	1,026626	1,019196	1,020038	1,024371	1,018259	1,019596	1,017679	1,017627	1,028288	1,029145
UK_Pilot_WP5_025	maxchange	ipsl-cm5a-	rcp6p0	1,099883	1,107825	1,068849	1,073644	1,061319	1,090097	1,086552	1,055917	1,079166	1,086542	1,07467	1,095927
union_rvb_01	minchange	hadgem2-	rcp6p0	1,086623	1,054838	1,059317	1,053233	1,035626	1,060714	1,073087	1,067898	1,070023	1,080209	1,072203	1,078003
union_rvb_01	maxchange	ipsl-cm5a-	rcp6p0	1,061897	1,052756	1,0355	1,064421	1,037903	1,055391	1,070047	1,063116	1,072233	1,081193	1,074743	1,066258
WP3_IGME_33_34	minchange	hadgem2-	rcp6p0	1,07088	1,049252	1,049614	1,049064	1,034894	1,047884	1,070844	1,053998	1,057211	1,066945	1,062452	1,06893
WP3_IGME_33_34	maxchange	noresm1-r	rcp6p0	1,074377	1,078836	1,056444	1,061839	1,059381	1,053796	1,073534	1,071843	1,070506	1,055351	1,050475	1,075187
WP4_IGME_32_35_39_999	minchange	hadgem2-	rcp6p0	1,069958	1,048226	1,052257	1,050436	1,035841	1,039229	1,057857	1,052196	1,057037	1,071437	1,060834	1,055106
WP4_IGME_32_35_39_999	maxchange	hadgem2-	rcp4p5	1,037246	1,029629	1,03957	1,028084	1,022401	1,019378	1,035019	1,02599	1,029788	1,043901	1,033765	1,040854
WP5_ICGC_38	minchange	gfdl-esm2i	rcp6p0	1,034595	1,019839	1,006229	1,005216	1,012752	1,019027	1,029642	1,02597	1,02973	1,025878	1,022992	1,023664
WP5_ICGC_38	maxchange	miroc-esm	rcp6p0	1,079656	1,076243	1,055909	1,065418	1,098388							

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Avre_Pilot	minchange	hadgem2-es	rcp6p0	1,09993	1,059293	1,045645	1,051215	1,063486	1,095748	1,08667	1,082844	1,090516	1,099194	1,078469	1,105116
Avre_Pilot	maxchange	miroc-esm-chem	rcp8p5	1,122408	1,124181	1,05755	1,075929	1,107367	1,096149	1,063803	1,075616	1,081092	1,077609	1,090382	1,082911
Avre_Pilot_025	minchange	hadgem2-es	rcp6p0	1,09993	1,059293	1,045645	1,051215	1,063486	1,095748	1,08667	1,082844	1,090516	1,099194	1,078469	1,105116
Avre_Pilot_025	maxchange	miroc-esm-chem	rcp8p5	1,122408	1,124181	1,05755	1,075929	1,107367	1,096149	1,063803	1,075616	1,081092	1,077609	1,090382	1,082911
Boutonne_Pilot	minchange	hadgem2-es	rcp6p0	1,150939	1,109298	1,082178	1,085001	1,098623	1,108667	1,091334	1,091313	1,094975	1,109335	1,098059	1,154898
Boutonne_Pilot	maxchange	miroc-esm-chem	rcp8p5	1,177465	1,19691	1,082359	1,086794	1,0872	1,084659	1,081346	1,077751	1,089386	1,08122	1,128972	1,136797
Croatia_Pilot	minchange	gfdl-esm2m	rcp8p5	1,178459	1,121931	1,07004	1,057228	1,038668	1,048298	1,077812	1,113957	1,114448	1,055432	1,060544	1,07186
Croatia_Pilot	maxchange	ipsl-cm5a-lr	rcp8p5	1,208833	1,175328	1,091068	1,083827	1,048567	1,064659	1,075466	1,080428	1,096842	1,101796	1,085868	1,124349
Croatia_Pilot_WP5	minchange	gfdl-esm2m	rcp8p5	1,103742	1,095444	1,060835	1,047869	1,045852	1,047744	1,070055	1,094472	1,09354	1,05135	1,054822	1,050399
Croatia_Pilot_WP5	maxchange	ipsl-cm5a-lr	rcp8p5	1,141415	1,126301	1,07964	1,076366	1,045347	1,057603	1,070088	1,076931	1,082865	1,087724	1,074832	1,09452
Falster_Pilot_DK	minchange	hadgem2-es	rcp6p0	1,131679	1,101727	1,088728	1,099286	1,098879	1,106447	1,077296	1,081568	1,092134	1,110764	1,074405	1,143559
Falster_Pilot_DK	maxchange	miroc-esm-chem	rcp8p5	1,156598	1,175903	1,106893	1,106025	1,100247	1,097676	1,089833	1,080269	1,088486	1,083914	1,118877	1,127201
France_Pilot	minchange	gfdl-esm2m	rcp8p5	1,074186	1,086466	1,036851	1,033597	1,036033	1,057615	1,085642	1,097093	1,079634	1,039111	1,045308	1,040861
France_Pilot	maxchange	miroc-esm-chem	rcp6p0	1,079656	1,076243	1,056995	1,066698	1,091604	1,07811	1,071436	1,074756	1,07908	1,080727	1,064712	1,066182
Hungary_Pilot	minchange	gfdl-esm2m	rcp8p5	1,185688	1,125211	1,071645	1,064547	1,047898	1,036637	1,066874	1,112599	1,118294	1,063432	1,069243	1,087127
Hungary_Pilot	maxchange	miroc-esm-chem	rcp4p5	1,13583	1,15619	1,094492	1,093316	1,05292	1,086511	1,070969	1,076796	1,091871	1,089347	1,111223	1,107042
Ireland_WP4_GSI_kar:	minchange	hadgem2-es	rcp4p5	1,051468	1,060304	1,044307	1,045497	1,059521	1,068603	1,068061	1,077885	1,089599	1,08677	1,060437	1,085877
Ireland_WP4_GSI_kar:	maxchange	miroc-esm-chem	rcp4p5	1,065745	1,054053	1,043601	1,051927	1,057681	1,07116	1,062866	1,076793	1,071091	1,068281	1,068212	1,06153
Ireland_WP4_Ireland	minchange	hadgem2-es	rcp4p5	1,037735	1,046577	1,034317	1,053196	1,045308	1,052687	1,052346	1,056003	1,06874	1,069034	1,053053	1,058413
Ireland_WP4_Ireland	maxchange	miroc-esm-chem	rcp4p5	1,056232	1,044998	1,040442	1,043149	1,04685	1,05874	1,056539	1,070594	1,068857	1,067354	1,06392	1,05874
Ireland_WP4_SERegion	minchange	hadgem2-es	rcp4p5	1,045327	1,054495	1,040278	1,042033	1,055718	1,064827	1,067348	1,070524	1,077322	1,076486	1,057218	1,070856
Ireland_WP4_SERegion	maxchange	miroc-esm-chem	rcp4p5	1,063121	1,051777	1,045535	1,050197	1,057688	1,074367	1,06421	1,075459	1,066966	1,067364	1,065886	1,059676
Malta	minchange	gfdl-esm2m	rcp8p5	1,041142	1,049877	1,03754	1,038253	1,044367	1,050399	1,063292	1,063902	1,057122	1,033628	1,029039	1,0334
Malta	maxchange	hadgem2-es	rcp8p5	1,055644	1,056195	1,052557	1,053164	1,052175	1,051429	1,051385	1,046444	1,048156	1,051721	1,050149	1,060034
MSLA - Data	minchange	gfdl-esm2m	rcp8p5	1,041142	1,049877	1,03754	1,038253	1,044367	1,048091	1,060291	1,061009	1,055092	1,033628	1,028754	1,0334
MSLA - Data	maxchange	hadgem2-es	rcp4p5	1,057525	1,051648	1,042546	1,049346	1,047384	1,054599	1,051189	1,045026	1,045872	1,046856	1,04616	1,059405
NEPoPlain_Pilot	minchange	hadgem2-es	rcp4p5	1,173115	1,152185	1,08219	1,065117	1,053494	1,079978	1,132729	1,118159	1,115666	1,104793	1,043881	1,190641
NEPoPlain_Pilot	maxchange	ipsl-cm5a-lr	rcp8p5	1,171243	1,146426	1,08413	1,098128	1,051289	1,065663	1,073313	1,07893	1,096614	1,093395	1,085448	1,10901
Netherlands-pilot-shaj	minchange	hadgem2-es	rcp8p5	1,0585	1,077295	1,056034	1,064182	1,062735	1,080948	1,07717	1,078721	1,101436	1,10301	1,079367	1,131043
Netherlands-pilot-shaj	maxchange	miroc-esm-chem	rcp6p0	1,141405	1,140602	1,076101	1,091717	1,085502	1,086431	1,061883	1,065605	1,085896	1,092045	1,089862	1,105381
Netherlands	minchange	hadgem2-es	rcp8p5	1,05286	1,075862	1,056296	1,06474	1,068876	1,087554	1,083252	1,086565	1,102042	1,098717	1,079329	1,12237
Netherlands	maxchange	miroc-esm-chem	rcp6p0	1,125383	1,123153	1,06978	1,080946	1,079629	1,082566	1,063676	1,064683	1,083144	1,086483	1,083281	1,097613
Pilot_TACTIC_Finland	minchange	noresm1-m	rcp6p0	1,19271	1,165751	1,213655	1,150441	1,09139	1,070625	1,102019	1,080341	1,098149	1,09304	1,125613	1,125516
Pilot_TACTIC_Finland	maxchange	miroc-esm-chem	rcp6p0	1,327683	1,346448	1,292006	1,285449	1,140965	1,092967	1,089202	1,106936	1,118861	1,125906	1,157492	1,21835
Posavina_WGS_1984	minchange	hadgem2-es	rcp4p5	1,167747	1,144618	1,071441	1,07272	1,045435	1,078889	1,138272	1,112695	1,094533	1,085413	1,056962	1,169214
Posavina_WGS_1984	maxchange	miroc-esm-chem	rcp4p5	1,1297	1,150985	1,081734	1,083862	1,100909	1,090873	1,083373	1,090474	1,097693	1,08873	1,099588	1,098222
PT_Pilot_31_M12-Car	minchange	miroc-esm-chem	rcp4p5	1,05729	1,063326	1,047882	1,062281	1,087625	1,086208	1,082624	1,085675	1,083511	1,083529	1,070878	1,061563
PT_Pilot_31_M12-Car	maxchange	ipsl-cm5a-lr	rcp8p5	1,047594	1,04042	1,026747	1,035611	1,038821	1,036831	1,047899	1,034462	1,040337	1,042476	1,050131	1,037754
Southern_Jutland_DK	minchange	hadgem2-es	rcp6p0	1,122835	1,095332	1,082266	1,079246	1,098469	1,103625	1,07451	1,078241	1,084439	1,102516	1,073081	1,133941
Southern_Jutland_DK	maxchange	miroc-esm-chem	rcp6p0	1,163293	1,164298	1,098197	1,099736	1,077995	1,091307	1,090589	1,084694	1,085898	1,091349	1,100702	1,118078
Storoen_And_Sunds_I	minchange	hadgem2-es	rcp6p0	1,105839	1,103291	1,081228	1,084663	1,086565	1,08598	1,063016	1,057966	1,074515	1,101976	1,072109	1,134313
Storoen_And_Sunds_I	maxchange	miroc-esm-chem	rcp8p5	1,145292	1,152959	1,102649	1,104116	1,096421	1,10164	1,0951	1,082309	1,088789	1,084307	1,114392	1,12097
Sweden_Pilot	minchange	hadgem2-es	rcp6p0	1,153098	1,129857	1,111756	1,134335	1,112968	1,10268	1,078843	1,08513	1,09443	1,124972	1,085535	1,172246
Sweden_Pilot	maxchange	miroc-esm-chem	rcp8p5	1,226572	1,259186	1,176113	1,153319	1,114222	1,101359	1,086566	1,092094	1,101381	1,094289	1,156513	1,180297
TACTIC_WP3_GSI_gori	minchange	noresm1-m	rcp8p5	1,069146	1,060353	1,053031	1,043419	1,057386	1,052947	1,060894	1,063917	1,055237	1,041098	1,054526	1,065036
TACTIC_WP3_GSI_gori	maxchange	miroc-esm-chem	rcp4p5	1,060099	1,04769	1,041897	1,044969	1,047968	1,062447	1,059568	1,073753	1,070036	1,067958	1,066892	1,059337
Ukraine_Pilot	minchange	hadgem2-es	rcp8p5	1,191015	1,117778	1,098259	1,086075	1,060994	1,080357	1,106602	1,108736	1,090015	1,088695	1,10174	1,17616
Ukraine_Pilot	maxchange	miroc-esm-chem	rcp4p5	1,216039	1,269558	1,148485	1,069836	1,081178	1,078155	1,077921	1,083193	1,093928	1,090564	1,120336	1,131106
UK_Pilot_WP4	minchange	hadgem2-es	rcp8p5	1,033588	1,056662	1,038869	1,055792	1,060434	1,080645	1,084898	1,091197	1,109225	1,096876	1,063808	1,065592
UK_Pilot_WP4	maxchange	miroc-esm-chem	rcp8p5	1,072293	1,069652	1,054716	1,071202	1,104701	1,105829	1,071733	1,083018	1,082033	1,07624	1,072416	1,059954
UK_Pilot_WP5	minchange	hadgem2-es	rcp6p0	1,065438	1,071346	1,056455	1,043586	1,047561	1,057813	1,061929	1,065075	1,074684	1,083346	1,071413	1,093116
UK_Pilot_WP5	maxchange	miroc-esm-chem	rcp8p5	1,095169	1,096411	1,05839	1,070637	1,086292	1,102255	1,080344	1,082254	1,080999	1,078519	1,085243	1,078763
UK_Pilot_WP5_025	minchange	hadgem2-es	rcp6p0	1,065438	1,071346	1,056455	1,043586	1,047561	1,057813	1,061929	1,065075	1,074684	1,083346	1,071413	1,093116
UK_Pilot_WP5_025	maxchange	miroc-esm-chem	rcp8p5	1,095169	1,096411	1,05839	1,070637	1,086292	1,102255	1,080344	1,082254	1,080999	1,078519	1,085243	1,078763
union_rvb_01	minchange	ipsl-cm5a-lr	rcp8p5	1,079636	1,073272	1,034818	1,05347	1,040775	1,053339	1,064893	1,070309	1,087187	1,073654	1,075078	1,062557
union_rvb_01	maxchange	noresm1-m	rcp6p0	1,082421	1,089811	1,063051	1,068358	1,065188	1,060558	1,074849	1,07282	1,07935	1,061191	1,057611	1,086028
WP3_IGME_33_34	minchange	hadgem2-es	rcp4p5	1,061338	1,054312	1,051813	1,05774	1,037367	1,052102	1,080965	1,059443	1,066143	1,071264	1,050384	1,062237
WP3_IGME_33_34	maxchange	noresm1-m	rcp6p0	1,074377	1,078836	1,056444	1,061839	1,059381	1,053796	1,073534	1,071843	1,070506	1,055351	1,050475	1,075187
WP4_IGME_32_35_39	minchange	miroc-esm-chem	rcp8p5	1,068831	1,098933	1,061873	1,077552	1,09291	1,079905	1,084445	1,064938	1,067124	1,084539	1,074988	1,054764
WP4_IGME_32_35_39	maxchange	ipsl-cm5a-lr	rcp6p0	1,045519	1,041988	1,030334	1,055849	1,032421	1,048654	1,071265	1,06653	1,065842	1,071216	1,063584	1,048611
WP5_ICGC_38	minchange	hadgem2-es	rcp4p5	1,063125	1,057927	1,055776	1,050816	1,046721	1,06407	1,075802	1,073184	1,084751	1,08934	1,04331	1,080829
WP5_ICGC_38	maxchange	ipsl-cm5a-lr	rcp6p0	1,074311	1,069693	1,050492	1,063949	1,039181	1,056493	1,073214	1,061143	1,077112	1,0		

Hungary_national_nev	minchange	gfdl-esm2m	rcp8p5	1,167328	1,11978	1,068923	1,059331	1,043937	1,037788	1,066169	1,106622	1,112352	1,062305	1,064249	1,076279
Hungary_national_nev	maxchange	ipsl-cm5a-lr	rcp8p5	1,202506	1,169558	1,09018	1,087703	1,049154	1,0636	1,074273	1,078478	1,087038	1,104391	1,083833	1,112357
Ireland_national_new	minchange	hadgem2-es	rcp4p5	1,009738	1,029417	1,022537	1,023464	1,027049	1,024957	1,026319	1,039876	1,041182	1,035696	1,038856	1,030597
Ireland_national_new	maxchange	miroc-esm-chem	rcp4p5	1,037626	1,022908	1,01711	1,02139	1,022067	1,027808	1,016391	1,024811	1,032715	1,033169	1,032336	1,02957
Italy_national	minchange	hadgem2-es	rcp4p5	1,034702	1,026371	1,024563	1,034263	1,026737	1,02457	1,035466	1,027581	1,020523	1,025861	1,020515	1,040081
Italy_national	maxchange	miroc-esm-chem	rcp4p5	1,036981	1,04093	1,024301	1,026568	1,037002	1,044767	1,037089	1,024975	1,029258	1,031672	1,039902	1,031606
Sweden_national	minchange	hadgem2-es	rcp8p5	1,068566	1,08244	1,066134	1,111958	1,103822	1,099057	1,086246	1,08742	1,087348	1,107564	1,072139	1,14458
Sweden_national	maxchange	ipsl-cm5a-lr	rcp6p0	1,252542	1,255023	1,140781	1,157318	1,086006	1,11658	1,118863	1,081562	1,085098	1,098027	1,0899	1,139343
UK_national	minchange	hadgem2-es	rcp4p5	1,015731	1,030994	1,021187	1,029012	1,037854	1,029468	1,047042	1,056929	1,058937	1,059408	1,040399	1,044815
UK_national	maxchange	miroc-esm-chem	rcp8p5	1,069564	1,065579	1,051332	1,071202	1,104701	1,105829	1,071733	1,083018	1,083193	1,07624	1,072416	1,059954

region	scenario	GCM	RCP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Avre_Pilot	minchange	hadgem2-es	rcp6p0	1,150215	1,126582	0,968468	0,824561	1,123894	1,055814	0,878307	0,791855	0,787307	0,976096	1,031263	1,036585
Avre_Pilot	maxchange	ipsl-cm5a-lr	rcp4p5	0,970213	1,050505	0,889381	1,005587	0,991071	0,990909	0,949438	1,237565	1,173333	0,987179	1	1,050542
Avre_Pilot_025	minchange	hadgem2-es	rcp6p0	1,148936	1,130252	0,968468	0,825581	1,123894	1,056075	0,87234	0,79638	0,784404	0,980159	0,91358	1,03629
Avre_Pilot_025	maxchange	ipsl-cm5a-lr	rcp4p5	0,970464	1,050251	0,889868	1	0,995516	0,995455	0,94382	1,237565	1,167401	0,987234	0,996337	1,046429
Boutonne_Pilot	minchange	noresm1-m	rcp4p5	1,137681	0,984615	0,875912	1,05298	1	0,887446	0,978142	0,879397	0,907285	1,045455	1,025316	1,064327
Boutonne_Pilot	maxchange	miroc-esm-chem	rcp4p5	1,248322	1,113475	1,061644	0,973333	0,958974	1,033613	1,25	1,170616	1,053892	1,176	1,039735	0,890625
Croatia_Pilot	minchange	gfdl-esm2m	rcp6p0	0,786585	1,011696	0,923077	1,053571	1,03876	0,984472	0,894915	1,023973	0,976471	1,082192	0,803704	1,01
Croatia_Pilot	maxchange	miroc-esm-chem	rcp6p0	1,018634	0,981595	1,214286	1,051282	1,01145	1,063712	1,027682	1,033445	1,183267	1,213592	0,979021	1,079295
Croatia_Pilot_WP5	minchange	gfdl-esm2m	rcp6p0	0,777778	1,062257	0,918919	1,104418	0,966667	0,97807	0,89313	0,985782	0,934485	1,081921	0,861905	1,027607
Croatia_Pilot_WP5	maxchange	miroc-esm-chem	rcp6p0	0,992395	1,003953	1,121739	1,022222	0,995918	1,111111	1,072993	1,068966	1,270701	1,120235	1,043011	1,090909
Falster_Pilot_DK	minchange	noresm1-m	rcp4p5	1,061644	0,982301	0,929134	1,027972	0,9375	0,945455	0,874372	0,870466	0,936416	1,082278	0,981982	1,072626
Falster_Pilot_DK	maxchange	miroc-esm-chem	rcp6p0	1,227273	1,110169	1,051095	1,040541	0,884058	1,086207	1,434286	1,113861	1,079208	1,121019	1,057143	1,045455
France_Pilot	minchange	noresm1-m	rcp4p5	1,013559	0,993691	0,991736	0,970833	0,918819	0,897119	1,005376	1,068063	0,894928	0,955631	0,99359	1
France_Pilot	maxchange	miroc-esm-chem	rcp6p0	1,101399	0,992982	1,05	1,092742	0,989967	0,917355	1,087179	1,051052	1,043624	0,986799	0,98366	1,021148
Hungary_Pilot	minchange	miroc-esm-chem	rcp4p5	0,834646	0,976744	1,183333	1,047337	0,990244	0,941379	0,908676	0,915888	0,987097	1,088235	0,963918	0,959538
Hungary_Pilot	maxchange	miroc-esm-chem	rcp6p0	1,03937	1,031008	1,275	1,106509	1,034146	1,044828	0,922374	1,042056	1,193548	1,139706	1	1,121387
Ireland_WP4_GSI_karstaq_SE_Mids_outline_WGS84	minchange	noresm1-m	rcp6p0	1,099099	0,96587	0,980159	1,03139	0,938389	0,885845	0,830097	1,03876	1,020921	1,039275	0,952978	1,040373
Ireland_WP4_GSI_karstaq_SE_Mids_outline_WGS84	maxchange	gfdl-esm2m	rcp4p5	1,121302	1,041509	1,023438	1,008772	1,04717	0,901786	1,116162	0,97417	0,975	1,059524	1,147799	1,05814
Ireland_WP4_Ireland_National_WGS84	minchange	hadgem2-es	rcp6p0	0,995652	0,980723	1,025714	0,925373	0,938406	1,05303	1,026906	0,795014	0,953271	1,06701	1,106218	1,032581
Ireland_WP4_Ireland_National_WGS84	maxchange	miroc-esm-chem	rcp6p0	1,140476	1,019608	1,047337	0,854015	0,968254	1,123457	1,285047	1,096094	0,934444	0,990698	1,043379	1,048499
Ireland_WP4_SERegion_WGS84	minchange	hadgem2-es	rcp6p0	0,984655	0,983003	1,076642	0,934694	0,984	1,026087	0,994536	0,761146	0,884892	1,079114	1,105096	1,063636
Ireland_WP4_SERegion_WGS84	maxchange	gfdl-esm2m	rcp4p5	1,110215	1,030928	1,021978	1,008368	1,035714	0,901786	1,120603	0,968085	0,969799	1,064067	1,144092	1,048649
Malta	minchange	gfdl-esm2m	rcp4p5	0,816413	0,929825	1,109091	1,126761	0,935484	1,5	1	0,952381	1,045977	0,916	0,838235	0,866667
Malta	maxchange	hadgem2-es	rcp4p5	1,306533	1,09589	1	1,15	1,03125	0,5	1	0,64	1,346154	1	0,955446	0,823529
MSLA - Data	minchange	gfdl-esm2m	rcp4p5	0,823529	0,934911	1,090909	1,126761	0,909091	1,999879	1	0,952381	1,045455	0,919028	0,837438	0,866667
MSLA - Data	maxchange	hadgem2-es	rcp6p0	1,306533	1,095652	0,990741	1,125	1,060606	1	1	0,653846	1,32381	0,985149	0,945274	0,822785
NEPOPlain_Pilot	minchange	gfdl-esm2m	rcp6p0	0,789954	0,978261	0,982684	1,081325	1,039039	1,015453	0,996644	0,975871	0,955882	1,064433	0,849582	0,987234
NEPOPlain_Pilot	maxchange	miroc-esm-chem	rcp6p0	1,099476	0,978947	1,099502	1,068862	1,024725	1,002062	1,116667	0,961111	1,090643	1,091153	0,977368	1,022642
Netherlands-pilot-shapefile-Raam	minchange	noresm1-m	rcp6p0	1,126531	0,934343	0,965812	1,071823	0,940909	0,913725	0,860465	1,03913	0,96	1,052632	0,896947	1,059233
Netherlands-pilot-shapefile-Raam	maxchange	miroc-esm-chem	rcp6p0	1,035019	1,114583	1,037344	1,02907	0,995556	0,82377	1,264069	1,152	1,02767	1,016736	0,967611	1,078947
Netherlands	minchange	noresm1-m	rcp6p0	1,050633	1,007692	0,972973	0,97541	0,929577	0,904762	0,95302	0,901235	0,968553	1,13125	0,983696	0,97989102
Netherlands	maxchange	miroc-esm-chem	rcp6p0	1,054217	1,117188	1,052632	1,017094	0,97931	0,87037	1,265432	1,146067	1,093923	1,017964	0,977143	1,079602
Pilot_TACTIC_Finland_GTK	minchange	noresm1-m	rcp6p0	0,957851	1,019048	1,082569	1,091954	1,08	0,96732	0,827411	0,89604	0,949045	1,13125	1,025	0,992481
Pilot_TACTIC_Finland_GTK	maxchange	gfdl-esm2m	rcp4p5	1,232759	1,098039	1,017857	1,046512	1,106389	0,986301	0,979381	1,259669	1,063291	1,042424	1,109756	1,074074
Posavina_WGS_1984	minchange	miroc-esm-chem	rcp4p5	0,760479	0,980263	1,123377	1,078818	0,982063	0,97479	0,853659	0,911215	1,043478	1,039474	0,895238	0,989744
Posavina_WGS_1984	maxchange	ipsl-cm5a-lr	rcp6p0	1,021429	0,951389	0,890244	1,15566	1,181373	1,198697	1,008511	1,086735	0,93281	1,077381	1,269767	1,096774
PT_Pilot_31_M12-Campina_de_Faro_WGS84	minchange	gfdl-esm2m	rcp6p0	0,741573	0,940171	0,848039	0,949721	0,90625	0,576923	1,75	1,125	1,146341	0,862832	0,820847	0,909756
PT_Pilot_31_M12-Campina_de_Faro_WGS84	maxchange	noresm1-m	rcp4p5	0,893333	0,882775	1,178161	2,072	0,98	1,053571	0,4	0,714286	0,973333	0,62605	1,139159	0,876607
Southern_Jutland_DK	minchange	noresm1-m	rcp4p5	1,03271	0,975309	0,96648	1,03871	0,915152	0,981308	0,809302	0,812749	1	1,09571	0,959502	1,067729
Southern_Jutland_DK	maxchange	miroc-esm-chem	rcp6p0	1,183036	1,052941	1,046875	1	0,958904	0,99095	1,543956	1,201521	1,078078	1,108911	1,046205	1,063433
Storoen_And_Sunds_DK	minchange	noresm1-m	rcp4p5	1,015748	0,970443	0,970213	1,050847	0,917526	1,026923	0,789474	0,792115	1,00597	1,077692	0,942029	1,065359
Storoen_And_Sunds_DK	maxchange	miroc-esm-chem	rcp6p0	1,219231	1,043689	1,023904	0,98913	0,971591	1,014815	1,463415	1,17301	1,052009	1,122449	1,082262	1,072327
Sweden_Pilot	minchange	noresm1-m	rcp4p5	1	1	0,873016	0,978102	0,979021	0,983425	0,872428	0,809955	1,009615	1,141892	1,020305	0,988764
Sweden_Pilot	maxchange	gfdl-esm2m	rcp4p5	1,178082	1,068966	0,923664	1,148148	1,14	1,100559	1,119048	1,184615	0,983333	0,987805	1,079439	1,111675
TACTIC_WP3_GSI_gort_catchment_WGS84	minchange	noresm1-m	rcp4p5	1,028986	0,969359	1,011976	1	1,047619	0,938406	0,942529	0,912791	1,039604	1,052752	0,969048	1,009412
TACTIC_WP3_GSI_gort_catchment_WGS84	maxchange	gfdl-esm2m	rcp4p5	1,149644	1,052632	1,026471	0,992126	1,077253	0,88968	1,071146	0,97191	0,997059	1,031818	1,182898	1,09589
Ukraine_Pilot	minchange	noresm1-m	rcp6p0	1,006849	0,955801	0,891667	1,076471	0,870293	1,075163	0,927711	1,174468	0,967391	1,193548	1,083832	0,887574
Ukraine_Pilot	maxchange	miroc-esm-chem	rcp6p0	1,0375	1,142857	1,269504	1,103445	0,954128	0,96519	0,982301	1,133621	1,244681	1,130769	0,994286	1,090395
UK_Pilot_WP4	minchange	noresm1-m	rcp6p0	1,086758	0,956044	0,994286	1,072464	0,88806	0,909091	0,835821	0,988095	1,017045	1,06481	0,962343	1,031111
UK_Pilot_WP4	maxchange	gfdl-esm2m	rcp4p5	1,139535	1,011765	1,033149	1,044776	1,021583	0,863014	1,085714	0,952941	0,995074	1,067265	1,148305	1,053279
UK_Pilot_WP5	minchange	gfdl-esm2m	rcp6p0	0,971591	1,062069	1,024242	0,935897	0,968944	0,91018	0,872727	0,82199	1,050505	1,019195	1,076923	0,935185
UK_Pilot_WP5	maxchange	ipsl-cm5a-lr	rcp6p0	1,152174	1,089041	1,030488	0,891566	0,955128	1,10559	1,251656	1,062201	1,028436	1,044199	1,094261	1,047847
UK_Pilot_WP5_025	minchange	gfdl-esm2m	rcp6p0	0,965318	1,056338	1,024845	0,934641	0,962264	0,90303	0,876543	0,820106	1,056995	1,105882	1,079208	0,938095
UK_Pilot_WP5_025	maxchange	ipsl-cm5a-lr	rcp6p0	0,988636	1,131944	0,947977	1,083333	0,90625	1	1,324324	1,077844	1,168421	0,994118	1,155	0,934673
union_rvb_01	minchange	hadgem2-es	rcp6p0	0,935897	0,842697	0,84466	0,916667	1,0375	0,903226	0,833333	0,965517	0,920455	0,738854	0,858407	0,978261
union_rvb_01	maxchange	ipsl-cm5a-lr	rcp6p0	1,296875	1,112245	1,202247	0,95098	1,181818	0,639175	0,692308	0,84375	0,928571	1,044776	0,797753	1,086957
WP3_IGME_33_34	minchange	hadgem2-es	rcp6p0	0,938596	0,902439	0,820313	0,895105	1,049505	0,855769	0,75	0,846154	0,901961	0,797753	0,79085	0,925926
WP3_IGME_33_34	maxchange	noresm1-m	rcp6p0	0,793103	0,947368	1,163265	1,38	1,232143	0,95122	1	1,078947	0,97541	0,848684	1,18797	0,755906
WP4_IGME_32_35_39_99	minchange	hadgem2-es	rcp6p0	1,023364	1,052885	0,913907	0,725352	1,079646	0,946667	0,833333	0,727273	0,757576	0,934426	0,859296	0,888889
WP4_IGME_32_35_39_99	maxchange	hadgem2-es	rcp4p5	0,953271	1,134615	0,953642	1,169014	1,141593	0,92	0,888889	0,836364	0,737374	0,79235	0,884422	1,037037
WP5_IGCC_38	minchange	gfdl-esm2m	rcp4p5	0,797927	0,957317	1,007246	1,02551	0,905941	0,909677	0,869048	0,900662	1,016512	1,090625	0,848485	0,790816
WP5_IGCC_38	maxchange	miroc-esm-chem	rcp6p0	1,024422	0,988372	0,838509	1,142857	0,973214	0,970238	0,958333	0,993197	1,172414	0,991354	1,017467	0,95
WP5_IGME_36	minchange	hadgem2-es													

region	scenario	GCM	RCP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Avre_Pilot	minchange	hadgem2-es	rcp6p0	1,188841	0,995781	0,855856	1,152047	1,106195	0,934884	0,878307	0,746606	0,712963	0,868526	1,045643	0,99187
Avre_Pilot	maxchange	miroc-esm-chem	rcp8p5	1,127119	1,090909	1	0,928571	0,865306	1,172093	1,289855	1,04717	1,058091	1,017167	1,097046	1,039007
Avre_Pilot_025	minchange	hadgem2-es	rcp6p0	1,191489	0,995798	0,855856	1,151163	1,10177	0,934579	0,87234	0,751131	0,706422	0,869048	1,045267	0,991935
Avre_Pilot_025	maxchange	miroc-esm-chem	rcp8p5	1,12605	1,090452	1	0,934066	0,864754	1,172093	1,286408	1,042453	1,057851	1,012821	1,096234	1,038732
Boutonne_Pilot	minchange	hadgem2-es	rcp6p0	1,165468	1,082759	1,090909	0,947368	0,891089	0,977064	0,796875	0,898477	0,857143	0,944444	1,283688	1,146341
Boutonne_Pilot	maxchange	miroc-esm-chem	rcp8p5	1,248322	1,304965	1,157534	0,966667	0,876923	0,970588	1,551136	1,194313	1,239521	1,328	1,218543	1,109375
Croatia_Pilot	minchange	gfdl-esm2m	rcp8p5	0,884146	0,994152	0,884615	0,973214	0,992248	0,807453	0,684746	0,565068	0,839216	1,150685	0,937037	0,98
Croatia_Pilot	maxchange	ipsl-cm5a-lr	rcp8p5	1,15	1,038462	1,254237	1,145923	1,194093	0,917492	1,04947	0,925424	0,943925	1,00431	1,116279	1,231959
Croatia_Pilot_WP5	minchange	gfdl-esm2m	rcp8p5	0,874074	0,92607	0,80695	0,995984	0,957143	0,741228	0,732824	0,49763	0,922601	1,19209	0,92381	1,003067
Croatia_Pilot_WP5	maxchange	ipsl-cm5a-lr	rcp8p5	1,088106	1	1,26506	1,021429	1,242991	0,928177	0,89313	0,887179	0,887468	1,079787	1,023202	1,107595
Falster_Pilot_DK	minchange	hadgem2-es	rcp6p0	1,203822	1,030303	1,035461	0,894366	0,951389	0,821429	0,891192	0,732323	0,840764	0,94186	1,082569	1,028736
Falster_Pilot_DK	maxchange	miroc-esm-chem	rcp8p5	1,253247	1,245763	1,051095	0,912162	0,898551	0,885057	1,874286	1,40099	1,292079	1,318471	1,238095	1,20202
France_Pilot	minchange	gfdl-esm2m	rcp8p5	0,970492	1,094545	0,851563	0,908046	0,906574	0,778261	0,643216	0,7	0,860068	1,022654	1,009434	0,955975
France_Pilot	maxchange	miroc-esm-chem	rcp6p0	1,062937	0,985965	0,983333	0,943548	0,789298	1,03719	1,164103	0,969957	1,073826	1,042904	1,166667	1,10574
Hungary_Pilot	minchange	gfdl-esm2m	rcp8p5	0,890625	1,091603	0,930233	0,933735	1,009434	0,967742	0,762557	0,630841	0,867408	1,126761	0,978974	0,987342
Hungary_Pilot	maxchange	miroc-esm-chem	rcp4p5	0,968504	1,085271	1,175	1,017751	1,019512	1,141379	1,03653	0,958981	0,974194	1,169118	0,969072	1,16185
Ireland_WP4_GSI_karstaq_SE_Mlds_outline_WGS84	minchange	hadgem2-es	rcp4p5	1,154494	1,123028	1,035294	1,038627	0,890295	0,849138	1,044444	0,672185	0,854406	1,040404	0,902098	1,206557
Ireland_WP4_GSI_karstaq_SE_Mlds_outline_WGS84	maxchange	miroc-esm-chem	rcp4p5	1,287037	1,132841	1,094862	0,902954	0,99095	0,995305	1,293103	1,046099	1,037671	1,050746	1,040498	1,079027
Ireland_WP4_Ireland_National_WGS84	minchange	hadgem2-es	rcp4p5	1,180435	1,098795	1,022857	0,985075	0,865942	0,867424	1,013453	0,67687	0,894081	1,033505	0,92487	1,16041
Ireland_WP4_Ireland_National_WGS84	maxchange	miroc-esm-chem	rcp4p5	1,292857	1,120448	1,073964	0,890511	0,956349	1,004115	1,280374	1,036036	1,025	1,060465	1,050228	1,078522
Ireland_WP4_SERegion_WGS84	minchange	hadgem2-es	rcp4p5	1,132992	1,104816	1,036496	1,044898	0,892	0,834783	1,021858	0,66242	0,830935	1,047468	0,875796	1,190909
Ireland_WP4_SERegion_WGS84	maxchange	miroc-esm-chem	rcp4p5	1,287324	1,138047	1,095588	0,907258	0,995745	0,986047	1,287356	1,044369	1,03871	1,041551	1,037143	1,073446
Malta	minchange	gfdl-esm2m	rcp8p5	0,686099	0,502924	0,745455	0,929577	0,677419	0,5	1	0,761905	1,071149	0,924	0,813725	0,683333
Malta	maxchange	hadgem2-es	rcp8p5	1,306533	1	0,897196	0,9875	1,0625	1	1	1,04	1,394231	1,130435	1,242574	0,861345
MSLA - Data	minchange	gfdl-esm2m	rcp8p5	0,687783	0,508876	0,738739	0,929577	0,666667	1	1	0,761905	0,704545	0,919028	0,817734	0,6875
MSLA - Data	maxchange	hadgem2-es	rcp4p5	1,241206	0,986207	1,185185	0,9	0,848485	1	1	0,730769	1,504762	1,054455	1,20398	0,915612
NEPOPlain_Pilot	minchange	hadgem2-es	rcp4p5	1,092683	1,061905	1,030888	1,294118	1,004963	0,860045	0,659091	0,633758	0,78273	0,896067	0,895184	0,975845
NEPOPlain_Pilot	maxchange	ipsl-cm5a-lr	rcp8p5	1,25	1,088889	1,177273	1,051829	1,268222	0,780822	0,986014	0,965634	0,989189	1,084656	1,0625	1,213636
Netherlands-pilot-shapefile-Raam	minchange	hadgem2-es	rcp8p5	1,096234	0,990688	0,960615	1,099448	1,204651	0,92623	0,939024	0,513514	0,717593	0,846154	1,204724	1,232932
Netherlands-pilot-shapefile-Raam	maxchange	miroc-esm-chem	rcp6p0	1,101167	1,135417	1,037344	0,936047	1,013333	1,116657	1,688312	1,14	1,114625	1,158996	1,165992	1,157895
Netherlands	minchange	hadgem2-es	rcp8p5	1,090323	0,993103	0,915663	1,107438	1,191489	0,921687	0,922156	0,530055	0,726115	0,854749	1,179775	1,197605
Netherlands	maxchange	miroc-esm-chem	rcp6p0	1,10241	1,117188	1,039474	0,931624	0,993103	1,111111	1,62963	1,157303	1,121547	1,149701	1,165714	1,154229
Pilot_TACTIC_Finland_GTK	minchange	noresm1-m	rcp6p0	1,140496	1,095238	1,055046	1,195402	1,12	1,065359	0,796954	0,965347	1,070064	1,15625	1,05	1,022556
Pilot_TACTIC_Finland_GTK	maxchange	miroc-esm-chem	rcp6p0	1,163934	1,205607	1,176471	1,096774	1,285714	1,145695	1,010638	1,138298	1,202312	1,176136	1,085366	1,15625
Posavina_WGS_1984	minchange	hadgem2-es	rcp4p5	1,284615	1,03268	1,130435	1,261682	0,96087	0,889241	0,464286	0,565914	0,722581	0,784946	1,139013	0,928571
Posavina_WGS_1984	maxchange	miroc-esm-chem	rcp4p5	0,946108	1,065789	1,149351	0,995074	1,040359	1,145658	0,97561	0,897196	0,857576	1,171053	0,852381	1,194872
PT_Pilot_31_M12-Campina_de_Faro_WGS84	minchange	miroc-esm-chem	rcp4p5	0,555891	0,75	0,766839	0,890244	0,566179	0,674419	1,142857	0,875	1,449275	0,630252	0,747875	0,605598
PT_Pilot_31_M12-Campina_de_Faro_WGS84	maxchange	ipsl-cm5a-lr	rcp8p5	1,419244	0,938272	1,444444	0,731544	0,9375	0,979592	1	0,857143	0,811321	0,825397	0,720137	0,907563
Southern_Jutland_DK	minchange	hadgem2-es	rcp6p0	1,240909	1,005208	1,025126	0,941935	1,01227	0,867647	0,879581	0,716	0,716912	0,966967	1,10596	1,104167
Southern_Jutland_DK	maxchange	miroc-esm-chem	rcp6p0	1,258929	1,2	0,989583	0,936709	1,226027	0,977376	1,961538	1,365019	1,252252	1,264026	1,214521	1,185657
Storoen_And_Sunds_DK	minchange	hadgem2-es	rcp6p0	1,226415	0,966667	1,027344	0,898876	0,984293	0,804	0,890995	0,715328	0,72191	0,971292	1,065789	1,154386
Storoen_And_Sunds_DK	maxchange	miroc-esm-chem	rcp8p5	1,25	1,208738	0,98008	0,967391	0,954545	0,937037	1,780488	1,415225	1,29208	1,255102	1,293059	1,267296
Sweden_Pilot	minchange	hadgem2-es	rcp6p0	1,246835	0,97973	1,028777	0,992308	0,704698	0,78836	0,962693	0,753488	0,862832	0,972773	1,20339	1,174157
Sweden_Pilot	maxchange	miroc-esm-chem	rcp8p5	1,311258	1,328358	1,043478	0,924242	1	1,07772	1,452174	1,328283	1,270833	1,297468	1,25	1,215385
TACTIC_WP3_GSI_gort_catchment_WGS84	minchange	noresm1-m	rcp8p5	1,152174	1,016713	1,080838	0,967347	1,012987	0,858696	0,827586	0,770349	0,933993	1,110092	1,004762	1,124706
TACTIC_WP3_GSI_gort_catchment_WGS84	maxchange	miroc-esm-chem	rcp4p5	1,298734	1,114114	1,069609	0,881226	0,930328	1,003861	1,289474	1,019178	1,022409	1,065421	1,053991	1,077103
Ukraine_Pilot	minchange	hadgem2-es	rcp4p5	1,205298	0,926136	1,160305	1,135	1,225352	0,933754	0,63662	0,569507	0,877823	0,871622	1,02809	1
Ukraine_Pilot	maxchange	miroc-esm-chem	rcp4p5	1,1625	1,136905	1,148936	1,189655	0,944954	0,962025	0,982301	1,103448	1,260638	1,2	1,028571	1,180791
UK_Pilot_WP4	minchange	hadgem2-es	rcp8p5	0,935622	1,055556	0,994413	1,153285	1,0625	0,9	0,846154	0,721311	0,854167	0,970443	1,04717	1,115942
UK_Pilot_WP4	maxchange	miroc-esm-chem	rcp8p5	1,190909	1,177143	0,988889	1,013699	0,949275	0,985612	1,473282	1,145251	1,172897	1,079313	1,151515	1,111588
UK_Pilot_WP5	minchange	hadgem2-es	rcp6p0	1,180328	1,023952	1,101796	1,057692	1,012346	1,013072	0,919463	0,840796	1,172766	0,87574	1,045	1,112903
UK_Pilot_WP5	maxchange	miroc-esm-chem	rcp8p5	1,190217	1,246575	1,018293	1,018072	0,955128	0,950311	1,649007	1,196172	1,28436	1,127072	1,197044	1,086124
UK_Pilot_WP5_025	minchange	hadgem2-es	rcp6p0	1,178771	1,030864	1,104294	1,065789	1,0125	0,913245	0,918367	0,834171	0,711957	0,872727	1,041026	1,116667
UK_Pilot_WP5_025	maxchange	miroc-esm-chem	rcp8p5	1,188889	1,246479	1,01875	1,018405	0,954545	0,955975	1,633333	1,194715	1,286408	1,124294	1,191919	1,083333
union_rvb_01	minchange	ipsl-cm5a-lr	rcp8p5	1,1875	0,795918	1,146067	0,54902	0,939394	0,556701	0,538462	0,59375	0,642857	0,835821	1,11236	0,985507
union_rvb_01	maxchange	noresm1-m	rcp6p0	0,658824	0,459677	1,061728	1,291139	1,197674	0,953271	0,642857	0,138462	0,916667	1,148148	1,333333	0,730297
WP3_IGME_33_34	minchange	hadgem2-es	rcp4p5	0,824561	0,804878	0,476563	0,72028	1,366337	0,663462	0,45	0,512821	0,931373	0,825843	1,052288	0,948148
WP3_IGME_33_34	maxchange	noresm1-m	rcp6p0	0,681034	0,467836	1,071429	1,28	1,196429	0,95935	0,695652	0,947368	0,92623	1,217105	1,300752	0,740157
WP4_IGME_32_35_39_999	minchange	miroc-esm-chem	rcp8p5	0,816092	0,73822	0,877049	0,85	0,914729	0,867647	0,72973	0,921569	1,038095	0,75	0,898477	0,873096
WP4_IGME_32_35_39_999	maxchange	ipsl-cm5a-lr	rcp6p0	1,201183	1,078212	1,206349	0,751938	1,009091	0,722222	0,875	0,862745	0,822222	0,771605	0,994186	1,120219
WP5_ICGC_38	minchange	hadgem2-es	rcp4p5	1,016129	1,204819	0,755556	0,853081	1,032609	0,595376	0,424242	0,481675	0,759184	0,996845	0,984906	1,061453
WP5_ICGC_38	maxchange	ipsl-cm5a-lr	rcp6p0	1,246377	1,018182	1,482993	0,546798	1,351955	0,68	0,810811	0,664557	0,906736	0,711538	1,253012	1,283019
WP5_IGME_36	minchange														

region	scenario	GCM	RCP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Avre_Pilot	minchange	hadgem2-es	rcp6p0	1,48	0,17	0,58	0,56	0,42	1,05	1,41	1,54	1,11	0,68	0,8	0,37
Avre_Pilot	maxchange	ipsl-cm5a-lr	rcp4p5	0,88	1,07	0,62	0,65	0,58	1,03	1,27	0,84	1,43	1,56	1,03	1,3
Avre_Pilot_025	minchange	hadgem2-es	rcp6p0	1,48	0,17	0,59	0,55	0,43	1,05	1,42	1,55	1,12	0,69	0,79	0,38
Avre_Pilot_025	maxchange	ipsl-cm5a-lr	rcp4p5	0,88	1,07	0,62	0,65	0,58	1,03	1,27	0,84	1,43	1,56	1,03	1,3
Boutonne_Pilot	minchange	noresm1-m	rcp4p5	0,91	0,73	1,13	1,81	1,61	0,93	1,67	1,31	1,48	0,59	0,17	1,22
Boutonne_Pilot	maxchange	miroc-esm-chem	rcp4p5	2,46	2,35	0,8	1,52	1,19	1,74	1,65	1,56	2,15	1,35	1,81	1,4
Croatia_Pilot	minchange	gfdl-esm2m	rcp6p0	1,62	-0,03	0,22	0,4	0,46	0,37	0,72	1,32	0,96	1,07	0,22	0,04
Croatia_Pilot	maxchange	miroc-esm-chem	rcp6p0	2,96	3,18	1,71	1,97	2,34	2,74	2,58	2,4	2,85	2,55	2,26	2,28
Croatia_Pilot_WP5	minchange	gfdl-esm2m	rcp6p0	0,88	0,12	0,32	0,42	0,71	0,61	0,9	1,33	1,09	1,2	0,29	0,03
Croatia_Pilot_WP5	maxchange	miroc-esm-chem	rcp6p0	2,38	2,58	1,75	2,12	2,68	3,19	3,1	2,82	2,96	2,61	2,18	2,01
Falster_Pilot_DK	minchange	noresm1-m	rcp4p5	0,59	0,85	1,1	1,52	1,38	1	1,71	1,12	1,18	0,45	0,25	1,09
Falster_Pilot_DK	maxchange	miroc-esm-chem	rcp6p0	3,22	3,37	2,36	2,65	2,29	2,94	3,15	3,01	2,78	2,62	2,48	2,57
France_Pilot	minchange	noresm1-m	rcp4p5	0,57	0,64	0,44	1	1,09	1,03	1,45	1,59	1,38	0,74	0,42	1,17
France_Pilot	maxchange	miroc-esm-chem	rcp6p0	1,26	1,25	0,67	0,74	1,71	1,75	1,33	1,28	1,19	1,24	1,37	0,99
Hungary_Pilot	minchange	miroc-esm-chem	rcp4p5	2,1	2,22	0,86	1,59	1,99	2,28	1,69	1,98	2,16	1,32	1,84	0,94
Hungary_Pilot	maxchange	miroc-esm-chem	rcp6p0	3,04	3,42	2,1	2,75	2,97	3,24	3,21	2,89	3,31	2,84	2,67	2,74
Ireland_WP4_GSI_karstaq_SE_Mids_outline_WGS84	minchange	noresm1-m	rcp6p0	1,9	2,01	1,53	1,79	2,31	1,93	2,26	2,2	2,09	1,67	1,32	1,83
Ireland_WP4_GSI_karstaq_SE_Mids_outline_WGS84	maxchange	gfdl-esm2m	rcp4p5	1	-0,08	0,46	-0,09	0,09	0,09	0,07	-0,16	0,33	0,28	0,24	0,8
Ireland_WP4_Ireland_National_WGS84	minchange	hadgem2-es	rcp6p0	0,89	0,92	0,74	0,78	1,13	1,41	1,6	1,76	1,92	1,84	1,41	1,14
Ireland_WP4_Ireland_National_WGS84	maxchange	miroc-esm-chem	rcp6p0	1,38	1,12	1,12	1,2	1,56	1,78	2,05	2,4	2,38	2,14	1,49	1,32
Ireland_WP4_SERegion_WGS84	minchange	hadgem2-es	rcp6p0	1,1	1,14	0,9	0,97	1,45	1,78	2,04	2,1	2,09	2	1,54	1,31
Ireland_WP4_SERegion_WGS84	maxchange	gfdl-esm2m	rcp4p5	0,77	-0,21	0,24	-0,18	-0,14	0	0,04	-0,25	0,23	0,27	0,21	0,68
Malta	minchange	gfdl-esm2m	rcp4p5	0,27	0,44	0,02	0,28	0,43	0,57	1,02	0,92	0,88	0,09	0,2	0,3
Malta	maxchange	hadgem2-es	rcp6p0	2,09	1,93	1,87	1,95	1,99	2,14	2,39	2,11	2,08	2,06	1,79	2,12
MSLA - Data	minchange	gfdl-esm2m	rcp4p5	0,27	0,44	0,02	0,28	0,43	0,58	0,96	0,89	0,86	0,09	0,2	0,3
MSLA - Data	maxchange	hadgem2-es	rcp6p0	2,09	1,93	1,87	1,95	1,99	2,15	2,42	2,14	2,1	2,02	1,79	2,12
NEPoPlain_Pilot	minchange	gfdl-esm2m	rcp6p0	1,55	0,22	0,12	0,38	0,54	0,61	0,87	1,25	1,08	0,88	0,19	-0,12
NEPoPlain_Pilot	maxchange	miroc-esm-chem	rcp6p0	2,74	2,72	1,67	2,02	2,62	3	2,97	2,94	2,93	2,54	2,09	2,09
Netherlands-pilot-shapefile-Raam	minchange	noresm1-m	rcp6p0	2,7	2,25	1,97	2,63	2,86	1,87	2,79	2,94	2,81	2,02	1,51	2,21
Netherlands-pilot-shapefile-Raam	maxchange	miroc-esm-chem	rcp6p0	2,34	0,47	0,4	0,43	0,63	0,45	0,69	0,48	1,04	0,87	1	1,01
Netherlands	minchange	noresm1-m	rcp6p0	2,57	2,27	2	2,78	3,04	1,91	2,96	3,15	2,82	2,03	1,49	2,21
Netherlands	maxchange	miroc-esm-chem	rcp6p0	0,91	0,97	1,12	2,03	1,11	1,19	1,12	2,27	1,97	1,888	1,69	1,46
Pilot_TACTIC_Finland_GTK	minchange	noresm1-m	rcp6p0	0,82	0,31	1,25	1,31	1,6	1,35	1,22	0,84	0,67	0,69	1,63	1,18
Pilot_TACTIC_Finland_GTK	maxchange	gfdl-esm2m	rcp4p5	4,23	2,8	2,13	1,95	1,38	0,98	0,6	1,72	1,47	1,42	1,81	1,94
Posavina_WGS_1984	minchange	miroc-esm-chem	rcp4p5	1,83	1,92	0,67	1,33	1,8	2,3	1,95	2,2	2,1	1,33	1,76	0,93
Posavina_WGS_1984	maxchange	ipsl-cm5a-lr	rcp6p0	3,17	2,65	2,74	2,75	1,51	2,51	3,03	3,08	3,17	2,95	1,83	3,53
PT_Pilot_31_M12-Campina_de_Faro_WGS84	minchange	gfdl-esm2m	rcp6p0	0,84	0,94	0,34	0,55	0,83	2,06	1,55	1,2	0,92	0,51	0,86	0,59
PT_Pilot_31_M12-Campina_de_Faro_WGS84	maxchange	noresm1-m	rcp4p5	0,73	0,64	0,23	0,49	1,29	1,16	0,77	0,8	1,3	1,03	0,63	0,88
Southern_Jutland_DK	minchange	noresm1-m	rcp4p5	0,5	0,81	0,95	1,21	1,25	0,85	1,66	1,04	1,07	0,37	0,19	0,97
Southern_Jutland_DK	maxchange	miroc-esm-chem	rcp6p0	1,54	1,38	0,86	0,95	1,32	1,68	1,45	1,73	1,63	1,32	1,65	1,19
Storoen_And_Sunds_DK	minchange	noresm1-m	rcp4p5	0,48	0,82	1	1,16	1,01	0,68	1,4	0,97	1	0,38	0,2	0,97
Storoen_And_Sunds_DK	maxchange	miroc-esm-chem	rcp6p0	3,03	3,01	2,32	2,65	2,23	2,97	3,3	3,09	2,69	2,52	2,38	2,41
Sweden_Pilot	minchange	noresm1-m	rcp4p5	0,56	1,01	1,41	1,5	1,53	1,06	1,77	1,11	1,2	0,54	0,6	1,17
Sweden_Pilot	maxchange	gfdl-esm2m	rcp4p5	3,44	2,13	1,6	1,39	1,29	0,97	1,06	1,28	1,12	1,42	1,73	1,99
TACTIC_WP3_GSI_gort_catchment_WGS84	minchange	noresm1-m	rcp4p5	0,61	0,75	0,49	0,53	0,57	0,56	0,87	0,72	0,72	0,5	0,21	0,7
TACTIC_WP3_GSI_gort_catchment_WGS84	maxchange	gfdl-esm2m	rcp4p5	0,93	-0,16	0,41	-0,1	0,03	0,1	0,15	-0,18	0,33	0,23	0,18	0,87
Ukraine_Pilot	minchange	noresm1-m	rcp6p0	4,85	2,16	2,95	2,79	2,26	3,66	4,1	3,68	2,26	2,11	2,1	2,26
Ukraine_Pilot	maxchange	miroc-esm-chem	rcp6p0	3,89	4,61	2,84	2,4	2,28	2,87	2,76	2,85	3,32	2,98	2,85	3,24
UK_Pilot_WP4	minchange	noresm1-m	rcp6p0	1,94	1,93	1,54	2,38	2,73	2,06	2,77	2,94	2,72	1,89	1,31	1,87
UK_Pilot_WP4	maxchange	gfdl-esm2m	rcp4p5	1,15	-0,17	0,34	0,18	0,59	0,44	0,75	0,54	0,96	0,82	0,53	0,66
UK_Pilot_WP5	minchange	gfdl-esm2m	rcp6p0	1,35	0,24	0,62	0,49	0,58	0,78	0,62	0,68	0,56	0,5	0,7	0,66
UK_Pilot_WP5	maxchange	ipsl-cm5a-lr	rcp6p0	2,14	2,06	1,55	1,89	2,17	2,73	2,79	2,86	2,6	2,36	1,89	1,82
UK_Pilot_WP5_025	minchange	gfdl-esm2m	rcp6p0	1,35	0,24	0,62	0,49	0,58	0,78	0,62	0,68	0,56	0,5	0,7	0,66
UK_Pilot_WP5_025	maxchange	ipsl-cm5a-lr	rcp6p0	2,19	2,39	1,65	1,91	1,77	2,88	2,99	1,93	2,51	2,46	1,85	2,18
union_rvb_01	minchange	hadgem2-es	rcp6p0	2,27	1,51	1,73	1,65	1,23	2,37	3,13	2,92	2,76	2,75	2,16	2,08
union_rvb_01	maxchange	ipsl-cm5a-lr	rcp6p0	1,64	1,44	1,04	2	1,32	2,16	2,99	2,72	2,85	2,8	2,23	1,79
WP3_IGME_33_34	minchange	hadgem2-es	rcp6p0	2,08	1,5	1,58	1,64	1,27	1,93	3,08	2,38	2,37	2,48	2,07	2,06
WP3_IGME_33_34	maxchange	noresm1-m	rcp6p0	2,17	2,36	1,78	2,08	2,16	2,15	3,18	3,15	2,87	2,04	1,67	2,25
WP4_IGME_32_35_39_999	minchange	hadgem2-es	rcp6p0	2,16	1,53	1,73	1,76	1,36	1,66	2,66	2,43	2,47	2,75	2,09	1,74
WP4_IGME_32_35_39_999	maxchange	hadgem2-es	rcp4p5	1,15	0,94	1,31	0,98	0,85	0,82	1,61	1,21	1,29	1,69	1,16	1,29
WP5_IGC3_38	minchange	gfdl-esm2m	rcp4p5	0,9	0,53	0,18	0,16	0,44	0,73	1,23	1,13	1,14	0,88	0,68	0,64
WP5_IGC3_38	maxchange	miroc-esm-chem	rcp6p0	2,05	2,03	1,62	2,01	3,33	3,19	3,44	3,34	2,95	2,73	1,91	1,74
WP5_IGME_36	minchange	hadgem2-es	rcp4p5	0,66	0,8	0,98	0,95	0,64	0,97	1,32	1,24	1,62	1,46	1,25	1,61
WP5_IGME_36	maxchange	noresm1-m	rcp6p0	2,21	2,23	1,64	2,09	2,47	2,23	3,27	3,4	2,78	2	1,55	2,28
WP5_LEGMC_17_Liepaja_pilot	minchange	hadgem2-es	rcp6p0	2,56	2,35	2,14	2,87	3,21	3,42	2,9	3,02	2,76	3,08	2,08	2,71
WP5_LEGMC_17_Liepaja_pilot	maxchange	miroc-esm-chem	rcp4p5	2,28	1,91	1,79	2,13	1,13	1,38	1,59	1,78	2,07	1,51	1,75	1,79
WP5_SGSS_pilot	minchange	gfdl-esm2m	rcp6p0	1,1	0,26	0,14	0,38	0,6	0,78	1,04	1,34	1,13	0,92	0,16	-0,1
WP5_SGSS_pilot	maxchange	miroc-esm-chem	rcp6p0	1,34	1,29	0,57	0,65	1,36	1,68	1,51	1,15	1,26	1,18	1,32	0,96
WP6_IGME_33_34_35_39	minchange	gfdl-esm2m	rcp4p5	0,8	0,72	0,75	0,75	1,02	1,82	1,28	1,02	1,09	0,92	0,94	0,88
WP6_IGME_33_34_35_39	maxchange	noresm1-m	rcp6p0	2,15	2,56	1,81	2,05	2,5	2,85	3,24	3,15	3,05	2,11	1,67	2,27
10_denmark_new	minchange	noresm1-m	rcp4p5	0,6	0,68	0,89	1,49	1,5	1	1,68	1,2	1,19	0,38	0,2	0,97
10_denmark_new	maxchange	miroc-esm-chem	rcp6p0	2,87	2,87	1,88	2,34	2,17	2,88	3,11	2,95	2,75	2,54	2,39	2,32
14_Brandenburg	minchange	noresm1-m	rcp4p5	0,94	0,75	1,23	1,89	1,63	0,93	1,67	1,31	1,48	0,59	0,2	1,2
14_Brandenburg	maxchange	miroc-esm-chem	rcp6p0	3,5	3,74	2,04	2,21	2,1	2,9	2,89	2,79	2,89	2,68	2,47	2,72
37_SierraNieves	minchange	hadgem2-es	rcp6p0	1,12	0,83	1,39	0,98	1,59	1,69	1,84	1,72	1,29	1,69	1,08	1,33
37_SierraNieves	maxchange	hadgem2-es	rcp4p5	2,06	1,52	1,93	2,32	2,53	2,68	3,43	3,07	2,93	2,95	2,15	1,81
39_Spain	minchange	ipsl-cm5a-lr	rcp4p5	0,4	0,68	0,52	1,12	0,42	0,71	1,55	1,39	1,54	1,38	1,28	0,92
39_Spain	maxchange	miroc-esm-chem	rcp6p0	2,23	2,65	2,01	2,29	2,79	2,67	3,4	2,94	2,56	3,1	2,17	2,11
France_national_new	minchange	gfdl-esm2m	rcp6p0	0,64	0,57	0,06	0,27	0,72	1,37	1,93	1,62	1,26	0,65	0,48	0,12
France_national_new	maxchange	miroc-esm-chem	rcp6p0	2,06	1,86	1,66	2,07	3,28	3,14	3,17	3,16	3,03	2,75	1,91	1,91
Germany_national	minchange	noresm1-m	rcp4p5	0,53	0,72	0,66	1,27	1,52	0,76	1,32	1				

region	scenario	GCM	RCP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Avre_Pilot	minchange	hadgem2-es	rcp6p0	2,23	1,37	1,14	1,4	1,95	3,3	3,17	3,04	3,05	2,9	1,97	2,29
Avre_Pilot	maxchange	miroc-esm-chem	rcp8p5	2,63	2,76	1,45	2,09	3,3	3,26	2,34	2,74	2,7	2,3	2,27	1,89
Avre_Pilot_025	minchange	hadgem2-es	rcp6p0	2,23	1,37	1,14	1,4	1,95	3,3	3,17	3,04	3,05	2,9	1,97	2,29
Avre_Pilot_025	maxchange	miroc-esm-chem	rcp8p5	2,63	2,76	1,45	2,09	3,3	3,26	2,34	2,74	2,7	2,3	2,27	1,89
Boutonne_Pilot	minchange	hadgem2-es	rcp6p0	2,76	2,18	1,87	2,27	3,12	3,88	3,41	3,38	3,11	2,98	2,2	2,82
Boutonne_Pilot	maxchange	miroc-esm-chem	rcp8p5	3,08	3,64	1,87	2,35	2,79	2,95	3,02	2,85	2,91	2,26	2,9	2,63
Croatia_Pilot	minchange	gfdl-esm2m	rcp8p5	3,29	2,56	1,75	1,7	1,33	1,81	3,06	4,38	3,98	1,64	1,5	1,48
Croatia_Pilot	maxchange	ipsl-cm5a-lr	rcp8p5	4,04	3,76	2,31	2,47	1,67	2,46	2,97	3,15	3,39	3,03	2,13	2,52
Croatia_Pilot_WP5	minchange	gfdl-esm2m	rcp8p5	2,48	2,4	1,68	1,5	1,65	1,9	2,97	3,94	3,57	1,72	1,6	1,29
Croatia_Pilot_WP5	maxchange	ipsl-cm5a-lr	rcp8p5	3,44	3,21	2,22	2,38	1,64	2,32	2,97	3,25	3,18	2,93	2,19	2,39
Falster_Pilot_DK	minchange	hadgem2-es	rcp6p0	2,5	1,97	1,87	2,44	2,96	3,64	2,78	2,91	2,97	3,03	1,74	2,76
Falster_Pilot_DK	maxchange	miroc-esm-chem	rcp8p5	2,84	3,22	2,24	2,63	3,02	3,26	3,23	2,85	2,84	2,34	2,78	2,56
France_Pilot	minchange	gfdl-esm2m	rcp8p5	1,93	2,31	1,07	1,04	1,27	2,26	3,63	4,06	3,06	1,33	1,34	1,11
France_Pilot	maxchange	miroc-esm-chem	rcp6p0	2,05	2,03	1,66	2,07	3,17	3,06	3,03	3,12	3,03	2,75	1,91	1,78
Hungary_Pilot	minchange	gfdl-esm2m	rcp8p5	3,31	2,56	1,76	1,94	1,67	1,41	2,68	4,41	4,18	1,89	1,71	1,75
Hungary_Pilot	maxchange	miroc-esm-chem	rcp4p5	2,39	3,07	2,36	2,8	3,69	3,3	2,82	3,04	3,25	2,68	2,7	2,15
Ireland_WP4_GSI_karstaq_SE_Mlds_outline_WGS84	minchange	hadgem2-es	rcp4p5	1,2	1,4	1,08	1,18	1,68	2,16	2,26	2,58	2,77	2,45	1,53	2,01
Ireland_WP4_GSI_karstaq_SE_Mlds_outline_WGS84	maxchange	miroc-esm-chem	rcp4p5	1,5	1,25	1,13	1,34	1,62	2,19	2,09	2,52	2,19	1,93	1,72	1,45
Ireland_WP4_Ireland_National_WGS84	minchange	hadgem2-es	rcp4p5	0,93	1,14	0,86	0,96	1,34	1,71	1,79	1,91	2,22	2,05	1,42	1,47
Ireland_WP4_Ireland_National_WGS84	maxchange	miroc-esm-chem	rcp4p5	1,36	1,1	1,04	1,17	1,38	1,88	1,93	2,39	2,21	1,99	1,7	1,47
Ireland_WP4_SERegion_WGS84	minchange	hadgem2-es	rcp4p5	1,09	1,3	1,01	1,12	1,61	2,08	2,27	2,37	2,45	2,23	1,5	1,73
Ireland_WP4_SERegion_WGS84	maxchange	miroc-esm-chem	rcp4p5	1,49	1,23	1,14	1,33	1,66	2,34	2,17	2,52	2,2	1,96	1,72	1,46
Malta	minchange	gfdl-esm2m	rcp8p5	1,26	1,53	1,2	1,31	1,68	2,11	2,82	2,89	2,44	1,31	1,02	1,07
Malta	maxchange	hadgem2-es	rcp8p5	1,7	1,73	1,68	1,81	1,96	2,15	2,29	2,1	2,07	2,02	1,76	1,91
MSLA - Data	minchange	gfdl-esm2m	rcp8p5	1,26	1,53	1,2	1,31	1,68	2,01	2,67	2,75	2,35	1,31	1,01	1,07
MSLA - Data	maxchange	hadgem2-es	rcp4p5	1,76	1,59	1,36	1,68	1,78	1,92	2,27	2,03	1,97	1,83	1,62	1,89
NEPOPlain_Pilot	minchange	hadgem2-es	rcp4p5	3,51	3,46	2,13	1,92	1,81	3,03	5,29	4,74	4,16	3,18	1,11	3,73
NEPOPlain_Pilot	maxchange	ipsl-cm5a-lr	rcp8p5	3,52	3,25	2,15	2,86	1,76	2,51	2,93	3,13	3,44	2,85	2,17	2,28
Netherlands-pilot-shapefile-Raam	minchange	hadgem2-es	rcp8p5	1,23	1,67	1,33	1,68	1,91	2,73	2,75	2,81	3,28	2,89	1,91	2,75
Netherlands-pilot-shapefile-Raam	maxchange	miroc-esm-chem	rcp6p0	2,86	2,9	1,82	2,42	2,61	2,87	2,23	2,33	2,75	2,61	2,15	2,3
Netherlands	minchange	hadgem2-es	rcp8p5	1,15	1,68	1,37	1,76	2,15	3,05	3,05	3,18	3,42	2,89	1,99	2,65
Netherlands	maxchange	miroc-esm-chem	rcp6p0	2,64	2,63	1,71	2,22	2,5	2,83	2,35	2,36	2,76	2,55	2,08	2,19
Pilot_TACTIC_Finland_GTK	minchange	noresm1-m	rcp6p0	2,62	2,28	3,55	3,3	2,67	2,42	3,61	2,72	2,84	2,28	2,42	1,96
Pilot_TACTIC_Finland_GTK	maxchange	miroc-esm-chem	rcp6p0	4,36	4,53	4,7	6,33	4,21	3,18	3,21	3,63	3,45	3,03	3,02	3,39
Posavina_WGS_1984	minchange	hadgem2-es	rcp4p5	3,22	3,22	1,89	2,23	1,63	3,1	5,71	4,7	3,52	2,65	1,45	3,37
Posavina_WGS_1984	maxchange	miroc-esm-chem	rcp4p5	2,43	3,09	2,11	2,57	3,6	3,56	3,42	3,7	3,58	2,76	2,55	2,13
PT_Pilot_31_M12-Campina_de_Faro_WGS84	minchange	miroc-esm-chem	rcp4p5	1,66	1,89	1,51	2,05	3,07	3,36	3,45	3,55	3,31	3	2,26	1,83
PT_Pilot_31_M12-Campina_de_Faro_WGS84	maxchange	ipsl-cm5a-lr	rcp8p5	1,4	1,21	0,84	1,18	1,39	1,43	1,99	1,45	1,6	1,54	1,61	1,12
Southern_Jutland_DK	minchange	hadgem2-es	rcp6p0	2,38	1,87	1,77	1,98	2,93	3,5	2,65	2,76	2,7	2,83	1,72	2,63
Southern_Jutland_DK	maxchange	miroc-esm-chem	rcp6p0	3,03	3,07	2,1	2,48	2,32	3,01	3,23	2,98	2,72	2,54	2,36	2,4
Storoen_And_Sunds_DK	minchange	hadgem2-es	rcp6p0	2,02	1,96	1,69	2,04	2,51	2,8	2,17	2,01	2,37	2,81	1,7	2,64
Storoen_And_Sunds_DK	maxchange	miroc-esm-chem	rcp8p5	2,68	2,8	2,11	2,49	2,79	3,25	3,31	2,85	2,8	2,34	2,69	2,46
Sweden_Pilot	minchange	hadgem2-es	rcp6p0	2,38	2,02	2,01	2,94	3,14	3,35	2,73	2,86	2,79	3,07	1,73	2,75
Sweden_Pilot	maxchange	miroc-esm-chem	rcp8p5	3,35	3,77	3,09	3,38	3,2	3,24	3	3,07	2,97	2,37	3,2	3,03
TACTIC_WP3_GSI_gort_catchment_WGS84	minchange	noresm1-m	rcp8p5	1,57	1,38	1,29	1,13	1,61	1,63	1,98	2,07	1,69	1,16	1,37	1,53
TACTIC_WP3_GSI_gort_catchment_WGS84	maxchange	miroc-esm-chem	rcp4p5	1,37	1,1	1,02	1,16	1,34	1,9	1,95	2,39	2,14	1,91	1,67	1,39
Ukraine_Pilot	minchange	hadgem2-es	rcp8p5	2,83	2,05	2,12	2,24	2,09	3,05	4,27	4,25	3,07	2,46	2,19	2,89
Ukraine_Pilot	maxchange	miroc-esm-chem	rcp4p5	3,11	4,15	3,07	1,96	2,78	2,95	3,09	3,23	3,18	2,52	2,63	2,32
UK_Pilot_WP4	minchange	hadgem2-es	rcp8p5	0,81	1,35	0,97	1,5	1,82	2,92	3,05	3,3	3,64	2,87	1,69	1,61
UK_Pilot_WP4	maxchange	miroc-esm-chem	rcp8p5	1,7	1,64	1,36	1,92	3,15	3,53	2,6	2,97	2,71	2,28	1,91	1,48
UK_Pilot_WP5	minchange	hadgem2-es	rcp6p0	1,44	1,58	1,34	1,13	1,38	1,87	2,14	2,25	2,4	2,39	1,78	2,05
UK_Pilot_WP5	maxchange	miroc-esm-chem	rcp8p5	2,04	2,11	1,39	1,82	2,49	3,24	2,79	2,83	2,59	2,25	2,1	1,76
UK_Pilot_WP5_025	minchange	hadgem2-es	rcp6p0	1,44	1,58	1,34	1,13	1,38	1,87	2,14	2,25	2,4	2,39	1,78	2,05
UK_Pilot_WP5_025	maxchange	miroc-esm-chem	rcp8p5	2,04	2,11	1,39	1,82	2,49	3,24	2,79	2,83	2,59	2,25	2,1	1,76
union_rvb_01	minchange	ipsl-cm5a-lr	rcp8p5	2,11	2	1,02	1,66	1,42	2,08	2,77	3,03	3,44	2,54	2,24	1,69
union_rvb_01	maxchange	noresm1-m	rcp6p0	2,15	2,42	1,82	2,14	2,25	2,33	3,18	3,12	3,08	2,09	1,72	2,3
WP3_IGME_33_34	minchange	hadgem2-es	rcp4p5	1,8	1,38	1,65	1,93	1,36	2,1	3,52	2,62	2,74	2,64	1,67	1,86
WP3_IGME_33_34	maxchange	noresm1-m	rcp6p0	2,17	2,36	1,78	2,08	2,16	2,15	3,18	3,15	2,87	2,04	1,67	2,25
WP4_IGME_32_35_39_999	minchange	miroc-esm-chem	rcp8p5	2,13	3,11	2,07	2,7	3,48	3,39	3,89	3,02	2,88	3,24	2,55	1,75
WP4_IGME_32_35_39_999	maxchange	ipsl-cm5a-lr	rcp6p0	1,43	1,33	1,01	1,95	1,25	2,07	3,28	3,1	2,85	2,76	2,18	1,55
WP5_IGC3_38	minchange	hadgem2-es	rcp4p5	1,67	1,58	1,61	1,57	1,6	2,46	3,15	3,05	3,26	3,03	1,29	2,14
WP5_IGC3_38	maxchange	ipsl-cm5a-lr	rcp6p0	1,96	1,88	1,46	1,97	1,35	2,19	3,06	2,55	2,96	2,83	1,98	2,08
WP5_IGME_36	minchange	hadgem2-es	rcp4p5	1,76	1,46	1,66	1,78	1,42	2,26	2,82	2,76	2,96	2,78	1,47	1,91
WP5_IGME_36	maxchange	hadgem2-es	rcp6p0	1,98	1,33	1,48	1,42	1,34	1,99	2,32	2,39	2,43	2,54	1,94	1,85
WP5_LEGMC_17_Liepaja_pilot	minchange	hadgem2-es	rcp4p5	2,6	2,95	2,86	3,17	3,14	3,33	2,95	3,1	2,88	3,11	1,94	2,82
WP5_LEGMC_17_Liepaja_pilot	maxchange	miroc-esm-chem	rcp8p5	3,28	3,71	3	2,82	2,68	2,89	2,93	3,24	3,14	2,35	3,27	2,93
WP5_SGSS_pilot	minchange	hadgem2-es	rcp4p5	3,51	3,42	1,97	1,92	1,9	3,24	5,67	4,94	4,17	3,13	1,11	3,38
WP5_SGSS_pilot	maxchange	miroc-esm-chem	rcp6p0	2,43	2,47	1,67	2,02	2,67	3,07	2,98	2,87	2,89	2,53	2,05	1,93
WP6_IGME_33_34_35_39	minchange	hadgem2-es	rcp4p5	1,8	1,46	1,94	2,39	1,68	2,96	3,52	3,16	3,27	3,11	1,71	1,44
WP6_IGME_33_34_35_39	maxchange	ipsl-cm5a-lr	rcp6p0	1,43	1,33	0,81	1,67	1,26	2,14	3,06	2,46	2,68	2,73	2,05	1,55
10_denmark_new	minchange	hadgem2-es	rcp6p0	2,37	1,9	1,77	2,1	3,07	3,79	2,98	3,05	2,68	2,86	2,02	2,53
10_denmark_new	maxchange	miroc-esm-chem	rcp8p5	2,62	2,82	1,71	2,43	2,89	3,08	3,15	2,81	2,8	2,3	2,71	2,31
14_Brandenburg	minchange	hadgem2-es	rcp6p0	2,77	2,24	1,86	2,32	3,13	3,88	3,41	3,38	3,11	2,99	2,2	2,86
14_Brandenburg	maxchange	miroc-esm-chem	rcp8p5	3,1	3,71	1,95	2,39	2,78	2,94	3,02	2,85	2,91	2,26	2,96	2,65
37_SierraNieves	minchange	hadgem2-es	rcp4p5	1,12	0,83	1,39	0,98	1,59	1,69	1,84	1,72	1,29	1,69	1,08	1,33
37_SierraNieves	maxchange	ipsl-cm5a-lr	rcp6p0	1,74	1,5	0,99	2,45	1,62	2,84	3,97	4,04	3,6	3,13	2,43	1,98
39_Spain	minchange	hadgem2-es	rcp4p5	1,12	0,83	1,39	0,98	1,59	1,69	1,84	1,72	1,29	1,69	1,08	1,33
39_Spain	maxchange	ipsl-cm5a-lr	rcp6p0	1,74	1,5	0,99	2,45	1,62	2,84	3,97	4,04	3,6	3,13	2,43	1,98
France_national_new	minchange	hadgem2-es	rcp4p5	0,44	0,79	0,9	0,76	1,13	1,17	2,13	1,85	1,9	1,55	0,86	1,54
France_national_new	maxchange	miroc-esm-chem	rcp4p5	1,56	1,17	0,49	0,86	2	2,34	2,08	2,14	1,82	1,57	1,44	0,93
Germany_national	minchange	gfdl-esm2m	rcp8p5	3,08	2,29	1,46	1,6	1,79	1,69	2,85	3,52	3,			