

This data set contains data published on the web tool of the BioDiv-Support project:

<https://biodivsupport-tst.smhi.se/>

For detailed information on the data, please see the website.

The following cases are included:

- The Scandinavian Mountains (Scandes)
  - Climate
  - Air pollution
  - Vegetation
- For the Guadarrama mountains and the Pyrenees Mountains, the data is not yet final, and therefore not included in this data set.

For each region and indicator, the following files are included:

- Maps of the indicator, averaged over 10 years for (1) present-day reference years, and (2) difference between future reference years and present day; the exact years may depend on the region (see information on the web tool). Format: netcdf.
- Possibly the time evolution of the indicator in a given sub-region; not available for all regions/indicators. Format: text file.

The naming convention of the files is as follows:

MOD\_SCE\_PER\_PAR\_IND.nc (maps), and

MOD\_SCE\_PAR\_IND\_AREA.txt (time evolution),

where the parts of the names are explained in Table 1.

**Table 1:** Explanations for the file names. The files are named as MOD\_SCE\_PER\_PAR\_IND.nc (maps over whole domain), and MOD\_SCE\_PAR\_IND\_AREA.txt (time evolution in given area).

Cases	MOD	SCE	PER	PAR	IND	AREA	
	Model	Scenario	Period	Parameter	Indicator	Area	
Scandes	Climate	AL12: ALADIN model at 12 km reso- lution	AL85: RCP8.5 climate scenario	HIST: Present day  DFUT: Difference between future and present	TEMP: Temperature	MEAN: Annual mean	swe: Sweden  Other labels: Swe- dish counties
					PREC: Precipitation	ANN: Annual accumu- lated	
	Air pollution	M12: MATCH model at 12 km reso- lution	AL85E6B: ALA- DIN+RCP8.5 me- teorology, ECLIPSE v6B emissions		RND: Reactive nitro- gen deposition	ANN: Annual accumu- lated	
					O3: Near-surface ozone	AOT40F: AOT40 forest	
	Vegetation	LPJ: LPJ-GUESS model at 3 km resolu- tion	HCLIM85 AROME3: AROME climate model+RCP8.5 meteorology, MATCH nitrogen deposition			CAR: Carbon fluxes and storage	
					CLB: Carbon in living biomass		
					LU: Composition	RC: Reindeer con- sumption	
						BLF: Broad-leaf forest	
						BS: Bare soil or glac- ier	
						MF: Mixed forest	
						NLF: Needle-leaf forest	
						SL: Shrubland	
TG: Tundra or grass- land							
Guadarrama	Final data not yet available						
Pyrenees	Final data not yet available						