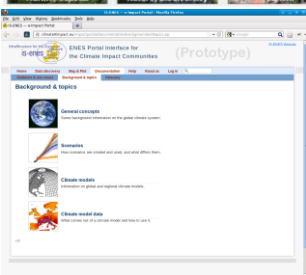


Bridging CMIP5 data to impact users <http://climate4impact.eu>

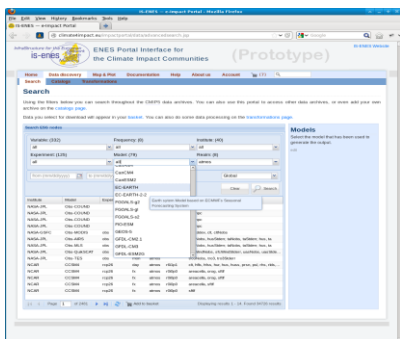
Search, work and access CMIP5 data and more...

Wim Som de Cerff¹, Maarten Plieger¹, Christian Page², Ronald Hutjes³, Fokke de Jong³, Lars Barring⁴, and Elin Sjøkvist⁴
KNMI¹, CERFACS², WUR³, SMHI⁴, CNR-IPSL, INHGA, CMCC, MF-CNRM

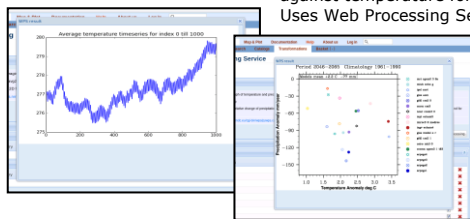
Documentation:
Use cases in 8 areas, guidelines, do's and don'ts



Search:
Uses ESGF search API
Is faceted, e.g. only options yielding results are given
Caches search results for faster response



PyWPS



Processing:
Any script can be added for analysis!
Examples now available:
Make time series
Compare anomalies of precipitation against temperature for France
Uses Web Processing Services (WPS)

Features:

- Extensive documentation for impact modelers: Use Cases, Guidelines, warnings, do's and don'ts
- Access to CMIP5 data (Earth System Grid Federation) GCM data from all models, EOBS, Arperge, ...
- 30 ESGF data nodes, ~3 Petabyte of data
- Search in a faceted way
- Through models, variables, experiments, frequency, dates
- Visualize and download any CMIP5 dataset via WMS
- Visualize any gridded dataset offered via OPeNDAP!
- Login with ESGF identifier (OpenID)

Future:

- Make climate4impact operational in IS-ENES2 project
- User friendliness – less clicking!
- Scripted access
- Explore automated bias corrections
- STARDEX indices
- Connection to downscaling portal of University of Cantabria
- Dissemination of reanalysis data and RCM data (CORDEX)

Visualisation:

Directly from ESGF archives or OPeNDAP archives
Generic visualisation in 2D images (JPG/PNG/GIF)
Uses Web Map Service WMS

