Co-designing and training of easy-to-use www-applications for examining climate projections

Antti Mäkelä (1), Juliane Otto (2), Jouni Räisänen (3), Tiina Ervasti (1), Elisabeth Viktor (2), Rasmus Benestad (4), Abdelkader Mezghani (4), and Hilppa Gregow (1)

(1) Finnish Meteorological Institute, Climate Service Centre, Finland (antti.makela@fmi.fi), (2) Helmholtz-Zentrum Geesthacht, Climate Service Center Germany (GERICS), Germany, (3) University of Helsinki, Finland, (4) Norwegian Meteorological Institute, Norway

It is well known that there is little use of climate projections among other users than scientists, mostly because of obstacles to access the data and non-trivial ways to evaluate them. The Copernicus Climate Change Service (C3S) will provide a portfolio of products including also climate projections at global and regional scales, when operational. The objective is that the projections as well as all C3S data (observations, reanalysis, etc) are quality-assured and easy to access also by non-experts.

Within C3S, the Data Evaluation for Climate Models (DECM) project has developed a www-prototype available at https://climatedatasite.net containing easy-to-access tools for examining climate projections. The tools provided by the prototype are based both on feedback and recommendations from the users of climate projections and on expert-based best practices of climate scientists.

In 2018, the prototype will be demonstrated in several online and live sessions. The participants of the training sessions represent various sectors: for example, research, education, municipal stakeholders, business. An important aspect of the training is that the feedback from the sessions provides input for further development of the www-prototype; thus at the end of the project the www-prototype should contain the most used and desired functions that support various users in the optimal way. Furthermore, one component of the feedback collection is that this prototype is used in course exercises at a climate change related university course at the University of Helsinki.

We will present the highlights of the training made in 2018, show how the prototype was developed based on the feedback, and discuss the overall findings of the co-design concept.