

Session B3: A focus on ESD specific opportunities

Wednesday May 18

Chairs, Bertrand Timbal and Tannecia Stephenson, rapporteur Bertrand Timbal

This was a rather diverse session in terms of quality of the presentations about also topics and areas of interest spanning many of the CORDEX domains. It was noted that some presentations were focused on statistical post-processing rather than statistical downscaling per se.

The invited speaker was covering arguably the most important and sizeable inter-comparison effort in the ESD community:

The European Value project (Presenter Douglas Maraun). Many results were presented and highlighted the diversity of skill and responses across methods. The project also considered scaling approaches as a mean to explain the short-coming of these approaches.

Several presenters describe their techniques and its developments, key issues mentioned by many are:

- Selection of predictors: individual predictors skill and relevance to the problem of interest and then optimal combination of predictors (Das, Dairaku, De la Cruz, Bettolli);
- Selection of the geographical domain on which to consider the predictors (Das, De la Cruz, Bettolli);

An important aspect across all the presentation was the applied side of things: agriculture in particular (Nishimori, Liszewska, Das).

Some talks were focused on bias correction (which was probably somewhat outside the focus of the session): some were applied to RCM projections (Liszewska) but some were more focused and applied to ESD approaches. Some talks were also of interest as they were comparing ESD results with either RCMs approaches or simpler scaling (or bias corrections) approaches.