Poster session P2: Methodologies

76 Posters - short summary

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WCRP
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Toujours un temps d'avance

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MAIN SCIENTIFIC TOPICS / MAIN OPEN CHALLENGES ?

- **Added-value of higher-resolution RCMs (10):** mainly in ERA-Int driven mode. *Could we prove the added-value in Historical-driven mode and in futur projections ?*
- **Sensitifity tests using RCMs (9):** physics, spectral nudging. *Could we synthesize the benefit and limits of Spectral Nudging ? Are RCM scenarios sensitive to physics choice or to physics inconsistency with the driving GCMs ?*
- **Combining/Comparing ESD and RCM (15):** *How SDS and DDS can be used in complementary approaches ? How could we assess the stationarity hypothesis ?*
- **New methods for RCM evaluation (20):** use of satellite data, stations, super-sites, HR gridded datasets, daily statistics, tracking, extreme, process-oriented evaluation … *Multi-model evaluation ? How to go from model evaluation to model improvement ?*
- **Regional climate change uncertainty (9):** use of statistical/ensemble method to evaluate uncertainty. *How to design global/regional climate model ensemble to tackle the uncertainty assessment issue ? is CORDEX enough ? Need of statistical methods ?*
- **Cloud-resolving RCMs (4):** *How could we prove the added-value in climate mode ?*
- **Multi-component RCMs (10):** aerosols, urban, air-sea-river coupling. *Do we really need to go towards complex RCSM (RESM) ? Which new components for which regions ?*
- **New methodology in impact study (4):** on-line / off-line impact model (pollen) ? Bias correction issue (how, before/after) ?
- **Database status (1):** *regional database (initial CORDEX workplan) vs ESGF (new initiative) ?*