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## Development of downscaled Climate Change Scenarios for Central America. Lessons learned and next steps

**Jorge Tamayo**<sup>1</sup>, Ernesto Rodriguez-Camino<sup>1</sup>, and Sara Covaleda<sup>2</sup>

<sup>1</sup>AEMET (Meteorological State Agency), Spain (jtamayoc@aemet.es)

<sup>2</sup>FIIAPP (International and Ibero-American Foundation for Administration and Public Policies), Spain

The intersectoral workshop held in December 2016 among the Ibero-American networks on water (CODIA), climate change (RIOCC) and meteorology (CIMHET) identified the need to dispose of downscaled climate change scenarios for Central America. Such scenarios would be developed by National Meteorological and Hydrological Services (NMHS) in the region, based on a common methodology, allowing the assessment of climate change impacts on water resources and extreme hydro-meteorological events.

One final outcome of the project has been a freely accessible web viewer, installed on the Centro Clima webpage (<https://centroclima.org/escenarios-cambio-climatico/>), managed by CRRH-SICA, where all information generated during the project is available for consultation and data downloading by the different sectors of users.

A key element in this project has been to integrate many downscaled projections based on different methods (dynamical and statistical), totalizing 45 different projections, and aiming at estimating the uncertainty coming from different sources in the best possible way.

Another essential element has been the strong involvement of the different user sectors through national workshops, first, at the beginning of the project for the identification and definition of viewer features the project, and then for the presentation of results and planning of its use by prioritized sectors.

In a second phase of the project, a regional working group made up of experts from the NMHSs will be in charge of viewer maintenance and upgrade, including new sectoral parameters, developed in collaboration with interested users, and computation and addition of new downscaled projections from CMIP 6 in collaboration with AEMET.

Finally, following the request of CIMHET, the possibility of replicating this project for other areas of Ibero-America is being evaluated.