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PROGRESS REPORTS

Progress Report of the Task Group on Data and Scenario Support for Impact and Climate Analysis (TGICA)

(Prepared by the TGICA Co-Chairs, Timothy Carter and Bruce Hewitson)

(Submitted by the Secretary of the IPCC)

PROGRESS REPORTS

Progress Report of the Task Group on Data and Scenario Support for Impact and Climate Analysis (TGICA)

1. Background

This report outlines progress related to the Task Group on Data and Scenario Support for Impact and Climate Analysis (TGICA) since the previous written report, provided by the Co-Chairs on behalf of the Task Group at the 46th Session of the IPCC (Montreal, Canada, 6-10 September 2017, IPCC-XLVI/INF. 7).

2. Teleconference TGICA-25-W1, 20 October 2017

During the period since the previous written report was submitted, the Task Group held one teleconference (20 October 2017) attended by seven TGICA members and six *ex officio* members.

3. Actions and progress

The main developments since the previous report are as follows:

New DDC Support Group. The German node of the Data Distribution Centre (DDC) at DKRZ kindly hosted a meeting between UK and German DDC managers and Technical Support Unit (TSU) representatives from Working Groups I and II concerning data and scenario needs during the Sixth Assessment cycle. Outcomes included:

- A DDC Support Group was established;
- A webpage has been designed to facilitate exchange of views and materials;
- An agreement to hold teleconferences to follow up on data issues;
- A recommendation to enable users, particularly AR6 authors to work on high volume data and to provide collaborative work spaces for sharing data;
- A recommendation to invite the USA DDC node at CIRES to join the DDC Support Group (CIRES has subsequently confirmed its interest)
- A recommendation to invite Working Group III TSU to join the DDC Support Group (WG III TSU subsequently indicated that it was not currently interested in joining)

Curation of IPCC Summary Figures and Tables. DDC Managers have prepared a suggested list of questions to be used to collect information from authors on data used in figures and tables being prepared for Special Reports and the Sixth Assessment Report (AR6). The aim is to support good practice in documenting the data used by asking for information in a structured form without burdening the authors unduly. This is designed to accelerate the production and attribution of figures and to ensure their full and timely archiving at the DDC. Next steps are being discussed with Working Group TSU representatives.

AR5 Climate Change Scatter Plots. Work is in progress to provide a spreadsheet including all data underlying sets of regional temperature change versus precipitation change scatter plots taken from the CMIP5 global model projections and presented in the Fifth Assessment Report (AR5) Working Group II.

Chapter 21. Scatter plots based on earlier climate model simulations that are currently on the DDC are out of date and will be retired.

General Guidelines on Scenario Use. Work on the first draft of “General guidelines on the use of scenario data for climate impact and adaptation assessment” is still in progress. This is a comprehensive document with multiple authors, all of whom are working voluntarily on the task. The aim is to submit the first draft for international review following TGICA procedures during the first half of 2018.

Fact Sheet on Climate Downscaling. The second-order draft of a TGICA Fact Sheet on “Downscaling Climate Information” has been finalized by the authors following international review, and has now been sent out for final review (following TGICA review procedures).

TGICA Web Page Update. TGICA web pages at: <http://www.ipcc.ch/activities/tgica.shtml> have been updated. Starting from TGICA-24, all group meetings are listed under the Sixth Assessment Cycle. There is also a page describing the ongoing process to define the future of TGICA.

4. Future meetings

No full meeting of the Task Group is scheduled for 2018 ahead of decisions on the future of TGICA and the DDC. Instead, a number of targeted, small group teleconferences will be held to advance ongoing agenda items.