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**PROGRESS REPORTS**

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

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

## PROGRESS REPORTS

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

This report outlines notable developments related to the Task Group on Data and Scenario Support for Impact and Climate Analysis (TGICA) since the last progress report, delivered for IPCC-XXXIX (Berlin, 7-12 April 2014, IPCC-XXXIX/Doc. 11) by TGICA Co-Chair Timothy Carter. During this period, the Task Group held a Webex meeting on 2 September 2014, with the participation of 14 TGICA members. The Co-Chairs also prepared a submission on TGICA to the Task Group on the Future Work of the IPCC, and presented a Progress Report to the IPCC Bureau on 18 September 2014. This is described below, along with a status report on key TGICA agenda items, general TGICA issues, upcoming items, and TGICA membership.

#### 1. *Items in progress*

Action items that were listed in the previous Progress Report are only repeated in this section where there have been significant developments. Most items were also reported at the IPCC Bureau meeting on 18 September 2014 in Geneva. They are again organized under three headings: (a) development of the DDC, (b) preparation of Technical Guidelines and Fact Sheets, and (c) Capacity Building.

(a) Development of the Data Distribution Centre is the responsibility of the DDC managers in close collaboration with a DDC work group, and under the overall direction of TGICA. Recent activities include:

- A subset of the CMIP5 climate model data prepared for the AR5 process and quality controlled is now online;
- Other datasets additional to CMIP5 that have been assessed in the AR5 (across all three Working Groups), including supplementary material, are being scrutinized by TGICA members for potential archiving or linking by the DDC;
- A DDC webpage content review has identified requirements for updating and revision;
- Relevant datasets that the DDC might link to are being identified and scrutinized using formal linking criteria;
- An online DDC glossary is being finalized that is consistent with definitions presented in the AR5;
- A YouTube DDC video has been prepared and posted;
- An online DDC User Questionnaire is under preparation (the previous survey was in 2007);
- Co-ordination of methods for the consistent reporting of DDC usage.

(b) Technical Guidelines and Fact Sheets. TGICA also develops Technical Guidelines and (shorter) Fact Sheets for assisting researchers in the accessing, processing, application and interpretation of data and scenarios. Seven documents are at different stages of preparation:

- Technical Guidelines: replacement of the 2007 version of "General guidelines on the use of scenario data for climate impact and adaptation assessment";
- Fact Sheet: "Downscaling of climate data for application in impact and adaptation assessment";
- Fact Sheet: "Socioeconomic data and its limitations for IAV analyses";
- Fact Sheet: "Data provided by the DDC";
- Fact Sheet: "Nature and attributes of GCM data on the DDC";
- Scoping document: "Technologies for adaptation";
- Sea level scenario guidance will be updated as a published review paper in a journal.

A list of suggested new Fact Sheets or Technical Guidelines has been compiled and will be discussed and prioritized by the group.

(c) Capacity Building. TGICA contributes a supporting role to capacity building activities in the use of data and scenarios for climate change research in developing countries and economies in transition. Activities include:

- A list of networks for possible future outreach is being finalized for TGICA members;
- A TGICA Expert Meeting on Regional Capacity Building, relating to "Climate change data and information of importance for supporting adaptation decision making" is scheduled to take place during 2015 in conjunction with a full TGICA meeting at a venue still to be determined. A scoping document for this meeting is under preparation;
- A TGICA sub-group is developing a document describing what information there is available on the DDC that supports capacity building, to provide a quick access overview;
- A new web page introducing capacity building activities in TGICA is being developed for the TGICA pages hosted at the IPCC website.

## **2. General TGICA issues**

There are several issues that relate to the management and dissemination of TGICA activities in general:

- An electronic TGICA flyer is being prepared by the Secretariat in co-operation with the Co-Chairs and DDC Managers;
- The Task Group is preparing ideas for developing and posting new content about TGICA activities on the IPCC/TGICA webpage (in co-operation with the Secretariat).

## **3. Upcoming items**

A number of new items have also been added to the TGICA agenda:

- The Task Group will prepare feedback on proposals for the design of CMIP6 (Climate Model Intercomparison Project), which is expected to contribute to climate change research and assessment activities worldwide during the coming years;
- A discussion document is under preparation for mapping a long-term vision for the DDC. This can form a basis for dialogue on continued funding and administration of the DDC with member governments, especially those already providing generous support (UK, Germany and USA);
- A discussion document is being prepared to suggest how data content on the DDC originating from the assessment reports can be enhanced in the next IPCC cycle.

## **4. Submission on TGICA to the Task Group on the Future Work of the IPCC**

In light of ongoing discussions about the future of the IPCC, the TGICA Co-Chairs prepared a submission on TGICA to the Task Group on the Future Work of the IPCC which met in Geneva on 16-17 September 2014 (please see IPCC-XL/INF. 2, Add. 2). This outlined the mandate and activities of TGICA, stressing its cross Working Group composition and outlook, its role in archiving IPCC-assessed data and scenarios, and its support provided to the global research community in the accessing and application of such data and information.

## **5. TGICA membership**

Dr Michael Lautenschlager, *ex officio* member from the Deutsches Klimarechenzentrum (DKRZ), Hamburg, Germany, who has overseen the development of the DKRZ hub of the Data Distribution Centre since its foundation in 1997, will be replaced by Dr Martina Stockhause, also of DKRZ. In addition, the Task Group recorded its gratitude to Dr Monalisa Chatterjee of the Working Group II Technical Support Unit, who stood down from her administrative support role in September 2014. Finally, the Co-Chairs would like to restate that TGICA is due to refresh its membership after mid-2015. For continuity purposes, it is desirable that the nomination process to select high quality and motivated candidates for TGICA membership be expedited as speedily as possible.

## **6. Next meeting**

The next full meeting (TGICA-21) will take place on 24-26 November 2014 in Yokohama, Japan at the kind invitation of the Government of Japan. TGICA-22 is tentatively planned for mid-2015, in association with a TGICA Expert Meeting (see above). The venue has not yet been arranged.