

WCRP / IPCC Workshop:
“IPCC AR5: lessons learnt for climate change research and WCRP”
ISSI, Bern, 8-10 Sept 2014

Objectives:

- Aimed at informal exchanges and brain-storming between scientists involved in climate change research coordination and IPCC authors (lively discussions)
- Discuss key scientific uncertainties (long-standing and/or emerging) highlighted by the AR5, and how they are addressed by WCRP activities (including by the Grand Challenges)
- Make recommendations to WCRP (e.g. new research directions, priorities or programs) and discuss ways to help IPCC in its future assessments

Organization:

- 76 participants, roughly half IPCC authors (mainly WGI), half WCRP projects representatives
- Plenary presentations (IPCC CLAs, GCs)
 - + BOGs (6 GCs + biogeochemical/aerosols/chemistry + decadal attribution/prediction)
 - + survey prior to the meeting

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Main outcomes:

- The importance of maintaining strong links between WCRP and other partners was reaffirmed
- BOGs-> **GCs sharpened the science questions** around which they will focus over the next years (some need to be more focused on key science questions)
- Idea to ***develop a more end-to-end approach for climate change assessments*** (integrating observations, physical understanding, model evaluation, near/long term, paleo, etc); WCRP ideally suited for taking the lead on that (e.g. through GCs)
- Initiate a feasibility study of a ***reanalysis of the Earth System covering the whole of 20th century*** (atmosphere + ocean + cryosphere + biogeochemistry)

An article will be published in BAMS (or equivalent) about the workshop and WCRP strategy implied.