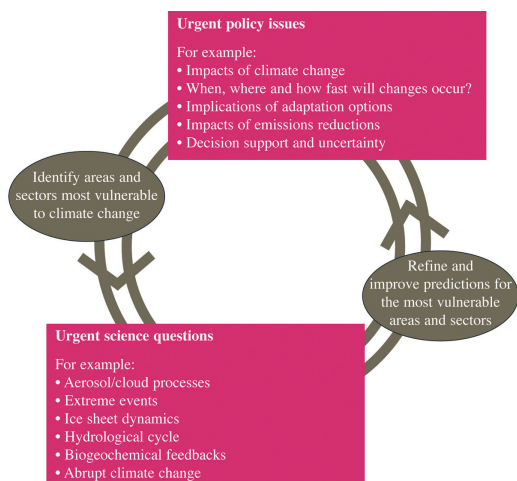




ICSU  
International Council for Science

WCRP, together with the partners of the Earth System Science Partnership (IHDP, Diversitas, IGBP), contributes to the scientific understanding, synthesis and assessments that are required by UNFCCC SBSTA and the IPCC. This contribution is based on the scientific knowledge generated by all WCRP projects. For example, the WCRP/WGCM (Working Group on Coupled Modelling) played a major role in the IPCC AR4 process by coordinating the model developments and intercomparisons required for developing future climate scenarios, together with IGBP/AIMES. Observational studies, as organized in GCOS also constitute a major aspect of the necessary scientific developments to support these activities.

The Joint Scientific Committee meeting for WCRP has established a dedicated **Anthropogenic Climate Change (ACC)** cross-cutting action to (1) a more prominent role by the WCRP in the IPCC assessments and the SBSTA discussions and decisions; (2) a more effective identification of the scientific priorities related to ACC issues, with a corresponding strategy and capability to address them within WCRP. The 'Learning from IPCC AR4' Workshop was noted as an essential part of this identification process; (3) a better definition of the interface with the other ESSP partners based on these ACC priorities.



*Using vulnerability of regions and sectors to climate change is a possible framework to link urgent science questions with societal concerns.*

### Activities planned for 2009:

One of the high priority tasks for WCRP/ACC in 2009 is to develop a plan to focus on regional studies and modelling activities. A workshop will be held in Toulouse, France, to complement the Modelling Summit for Climate Prediction (Reading, UK, May 2008), but with a focus on a regional approach to climate model development and applications.

More at: [http://wcrp.ipsl.jussieu.fr/SF\\_ACC.html](http://wcrp.ipsl.jussieu.fr/SF_ACC.html).

### Major activities completed in 2007/08:

- The GCOS-WCRP-IGBP workshop 'Learning from the IPCC AR4' (Sydney, Australia, October 2007) determined "urgent science questions" which are part of a larger strategy to address ACC policy issues, and constitute issues requiring action from WCRP and IGBP, and possibly the other ESSP programmes. The figure (left) summarizes areas in which an increased research is required.
- WCRP participated in a number of activities focused on the UNFCCC SBSTA and the Nairobi Work Programme, in particular the dissemination of scientific results to policy makers and the private sector (meetings in Bonn, and at the COP in Bali). A joint WCRP-ICTP workshop was held in Trieste, in November 2007, to support capacity building in developing and least developed countries.
- WCRP was also involved in the meetings to define the scenarios for the IPCC AR5.