



IPCC-GEO meeting

**IGWCO Planning Meeting
Tokyo, 14-15 March 2011
Douglas Cripe
GEO Secretariat**



IPCC-GEO meeting

(Geneva, 1-4 February 2011)

Objectives :

- provide guidance to the Group on Earth Observations (GEO) community how to improve the delivery of multi-disciplinary data and data products to climate impacts, adaptation and vulnerability researchers via the Global Earth Observation System of Systems (GEOSS).
- ensure GEOSS evolves in a manner that benefits this key user group by identifying and understanding its needs.



Recommendations

1. Conduct a gap analysis

- data required in the IPCC Working Group II chapters should be used to identify and prioritize the observation and information systems needed to support future IPCC Working Group II assessments on vulnerabilities, impacts and adaptation.
- **can IGWCO assist with respect to water cycle?**

2. Assess the potential for aligning the GEO Work Plan with the observation and information requirements of the researchers whose findings will be assessed by the next IPCC report.



Recommendations

3. Strengthen current efforts to develop useful indicators and metrics of continuity, quality, usability, transparency and provenance of contributed GEOSS components.

- **IGWCO contribution with respect to water cycle?**

4. Identify and pursue opportunities to improve data sharing in support of the climate change community.

5. Explore the potential of inviting the IPCC Data Distribution Center to contribute to and be accessible via GEOSS.

- **linkages with GTN-H?**



Recommendations

6. **Strengthen the critical role of GCOS as the climate observing component of GEOSS.**
 - **how can IGWCO support?**

7. **Provide technical advice to GCOS on how to improve the value of the Essential Climate Variables (ECVs).**
 - **how can IGWCO support?**

8. **Promote high-resolution data and analysis of changing climate extremes through an enhanced initiative to acquire, recover, access and analyze hourly mean observations and sub-daily values of many variables.**
 - **linkages with GTN-H?**



Recommendations

9. **Coordinate global land-water balance calculations from interested research teams and intercompare the results.**
 - **golden opportunity for guidance from IGWCO, in cooperation with GEWEX?**

10. **Develop data infrastructure and promote networking for sharing data, information and knowledge on water resources and climate impacts.**
 - **linkages with GTN-H?**

11. **Differentiate human and climate impacts on water resources by developing baselines and indicators.**
 - **another golden opportunity for input from IGWCO?**



Recommendations

12. **Conduct a formal intercomparison and accuracy assessment of the half dozen or so most prominently used land-cover datasets and revisit optimum land-cover classification logic.**
13. **Develop and host globally consistent 30m databases on annual land-cover and forest cover after intercomparing the current commonly used data sets.**
14. **Strengthen efforts to generate higher resolution and more frequent data sets for urban areas and other complex or rapidly changing areas.**
 - **new opportunity for IGWCO and urban water management?**



Recommendations

15. **Support REDD+ by connecting regional and national data sets and generating data on the human dimension.**
16. **Strengthen support for human dimensions data.**
17. **Conduct an assessment of IPCC capacity-building needs.**
 - **informed by AWCI, AfWCCI experiences?**
18. **Adopt modern visualization and communication tools to communicate the science of climate impacts, vulnerability and adaptation.**
 - **IGWCO could develop collection of links, videos and visualization products of value for the IPCC and the broader GEO community.**

Thank you!

dcripe@geosec.org

earthobservations.org

