SESSION 7: Evolving Requirements II - IPCC

How to address knowledge gaps in preparation for AR7

CRYOSPHERE BREAKOUT

Room E

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Seed question #1
Where do you see the major challenges and gap analysis in the current IPCC AR6 and how could CCI/CLIMATE-SPACE contribute to addressing them towards AR7?

IPCC AR authors suggested what the CCI community can provide to support their activities:

- Publish ahead of the assessment. Does not have to be high ranking journals. Grey literature, reports are useful too.
- Strengthen the confidence levels assigned to evidences/findings.
- Large community assessments have more chance to have a big impact.

Knowledge gaps identified by AR6 and by SROCC. *Suggestion: ESA CCI to comission the gap analysis as an independent activity.*

Seed question # 2
What are the opportunities to engage with the information (papers, organisations, authors, reviewers etc.) that contribute to the WG II and III reports?

- Engage with colleagues working in WG II and III to find how we can contribute to their identified gaps.
- Include WGII and III colleagues in the CCI CRGs . If we don‘t the activity is happening outside CCI and CCI is not cited.
- *More integrated projects working across ECVs with adaptation scientists on board*.

Seed question # 3
How can CCI contribute more systematically towards IPCC's assessment and special reports in future?

- By producing CCI datasets and keeping them updated we already contribute to IPCC's ARs.
- More IMBIE-like activities are needed for other components of the cryosphere. SnowPEx ongoing, GLaMBIE, SIINX (for sea ice thickness only) just starting. *ESA CCI can have the natural leadership*.
- *ESA, taking advantage of its observer status, should help include more EO scientists in the AR writing process (up to now dominated by modellers).*
- *Interact with CMIP community at an early stage (individual MIPs) facilitated by ESA coordinating the CMIP IPO.*