

Science Leader Meeting Feedback to ESA

Colocation Meeting
Wednesday, 26 October 2022
ESRIN

Feedback on CCI+

Foster the information exchange between ECVs and subgroups discussions led by Science Leaders under guidance of ESA:

- gap analysis for X-ECVs
- cross-consistent CCI products
- joint scientific exploitation of CCI products (e.g. publications)
- prioritised requests for data reprocessing, new mission products, etc.

How to feedback expertise gained from CCI, addressing evolving requirements through the design of future missions?

Feedback on Climate Space

R&D is the core of CCI+ and Climate Space (adequate resources needed):

- Continuity of R&D at ECV level:
 - ongoing need for methodological development of algorithms for existing products (including new missions, homogenisation of products)
 - develop new variables within existing ECVs as requested by GCOS
- Initiate R&D on X-ECVs and on Tipping Points (involving CCI teams), ...

Response to Paris Agreement:

should not be done by individual ECVs, coordination required.

Increase the impact of CCI in IPCC and improve CCI visibility:

- X-ECVs are expected to have a higher impact on IPCC
- How can the scientific output which uses CCI R&D / products and is generated outside of the CCI consortium be visible (including various services)?

Working with services (ODP, C3S/CDS, SAFs, national, ...)

CCI related ECV products are provided at various portals.

- To increase the use of products a cross catalogue search capability (and ideally online processing on request) should be provided.
- CCI+ projects should get the link to users and get access to user feedback, independently on the portal where CCI+ products are distributed.
- Some products are duplicated within CCI+ and other data portals (different providers). Coordination required ?
- Propagate citation requirements

Response to the updated GCOS Requirements

ECV requirements partially improved, but there are still several issues in various ECVs, although suggestions for improvement have been submitted.

New GCOS Actions are addressing broader themes. To respond to these actions further development of ECVs and X-ECVs are needed.

Details will be discussed in the GCOS breakout sessions later in the meeting.

Coordination of Science Leaders Group

Group is now very large and difficult to coordinate.

Suggest to establish Science Leader Coordination Group (ca. 4 people; 2 year terms), preferable from different perspectives (TBD):

- foster the information exchange and collaboration between ECVs
- initiate gap analysis for X-ECVs
- strengthen interactions with ESA
- early contribution to the preparation of the colocation meeting
- ...