

A seamless supply chain for climate data from space

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Strategy Towards an Architecture for Climate Monitoring from Space

Document jointly prepared by:

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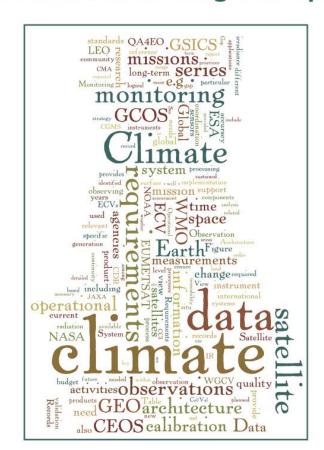
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What would make the supply chain seamless?

- Documented, traceable processing chain, covering input data, QA, processing, dissemination
- Sustained, trusted, robust, accessible, timely, highly usable
- Serving multiple types of users, including commercial climate services.
- "bringing the same continuity to longterm and sustained climate observations that we have today for weather observations".

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Isn't this what the CCI is doing?

- Providing stable, long-term, satellite-based ECV data products for climate modellers and researchers;
- Incorporating requirement analysis, algorithm development and prototype ECV building; ECV production and system development; user analysis and feedback;
- Establishing lasting and transparent access to the outputs.





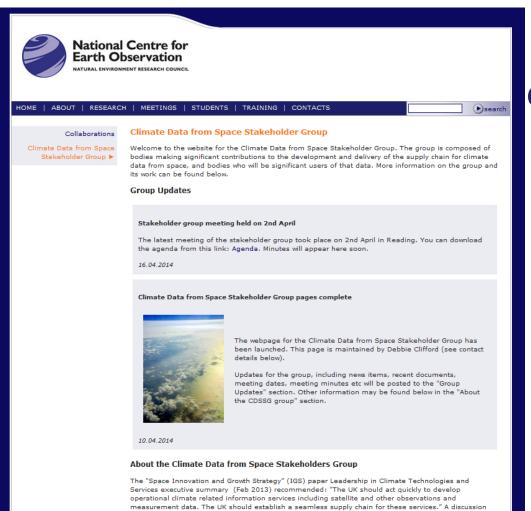




What would a successful seamless supply chain do?

- Make climate data accessible to a wider variety of users
- Allow scientists to concentrate on science
- Provide continued support for long-term monitoring, curation and reprocessing of climate data
- Unlock knowledge from within the scientific community, getting it to potential users and feeding back scientific problems

http://www.nceo.ac.uk/cdssg.php



paper presenting a vision for such a seamless supply chain was produced and can be found below.

Specific actions to implement the strategy were defined in the "Space Growth Action Plan" (November 2013). Action 1.5 invited the UK Space Agency to "lead the positioning of the UK's exploitation of Earth Observation data by supporting the community to implement a climate Services Centre for Europe in the

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Some suggestions...

- ? Preparation and exploitation of Sentinel 3 data for high-quality climate records
- ? Development and delivery of data integrity services for climate
 - ? Through the Copernicus Climate Change Service
- ? Further development of CEMS as a place for sustained, routine processing of data