

# A seamless supply chain for climate data from space

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"Government, in partnership with industry and academia, o d should map out a strategy for ed ategy the UK to secure world nate saleadership in the technologies and vices hmary r and services related to Id climate-change validation hain esi adaption and mitigation ... "

#### **Strategy Towards an Architecture for Climate Monitoring from Space**

#### Document jointly prepared by:

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The Coordination Group for Meteorological Satellites (CGMS)

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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".

## Strategy Towards an Architecture for Climate Monitoring from Space



### 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



Observation data by supporting the community to implement a Climate Services Centre for Europe in the

UK.

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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

