

Status of Use Cases

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WGClimate #15

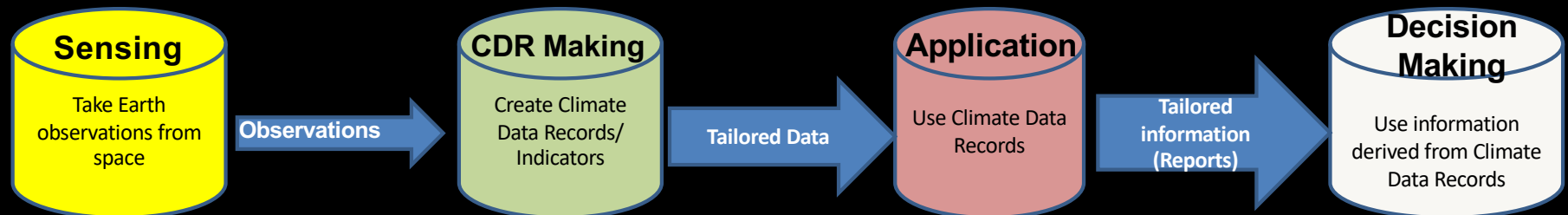
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WGClimate
The joint CEOS/CGMS
Working Group on Climate



Use Cases for Climate Data Records: Major Objectives

- Demonstrate the value of climate data records for decision/policy making, e.g., usage of satellite data in a use case with UNFCCC Parties to support the Global Stocktakes
- Understand the application needs to provide feedbacks towards quality improvements for the ECV requirements defined by GCOS
- Validate the top-down architecture for climate monitoring from space with a down-top approach ensuring traceability from usage to space-based observing system
- Optimize the use of climate data records in applications relevant for climate services and science
- Support capacity building by providing/receiving use cases for/from training activities, e.g., for developing countries (link to CGMS and CEOS capacity building activities)



Boost the contributions of use case

- CEOS advertised the use case on Twitter.
- WGClimate chair sent a letter to CEOS principles to encourage agencies to support use case activity.
- Encouraged contributions from CGMS agencies at the CGMS WGII meeting.
- WGClimate members can serve as focal points to coordinate their agencies' contribution, and please spread the words to other end users.



Use Cases Status

- 18 Use Cases received to date, covering a wide range of application areas (i.e., food security, wildfire monitoring, climate extremes, coastal environment, insurance, global stock take ...)
- These cases are reviewed by SME and will be published on climatemonitoring.info
- NOAA colleagues are helping with formatting and typesetting these cases for publication
- Three cases are now ready for web publication. Plan to publish them by the end of October 2021
- A selected set of use cases that cover a variety of application areas will be published in a WMO report
- Use case is a continuous activity for WGClimate and your continued support (contributing and reviewing cases) is greatly appreciated

Soil moisture estimation over agricultural fields using Synthetic Aperture Radar



Marine Climate Change and the Impact on Coastal Regions



Impact of wildfires on air quality in Sub-Saharan Africa (SSA)

