

CCI Mid-term Review

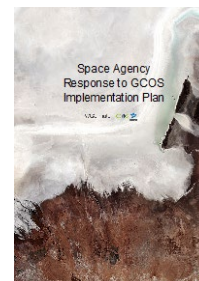
Contribution to Panel "Key challenges in climate research and monitoring"

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Engage in CEOS-CGMS WGClimate

Sustain and improve the GCOS requirements framework



Needs and Requirements

Coordinated Response



Sustain the space segment & production capability for the future

Climate Monitoring from Space

WGClimate CEOS

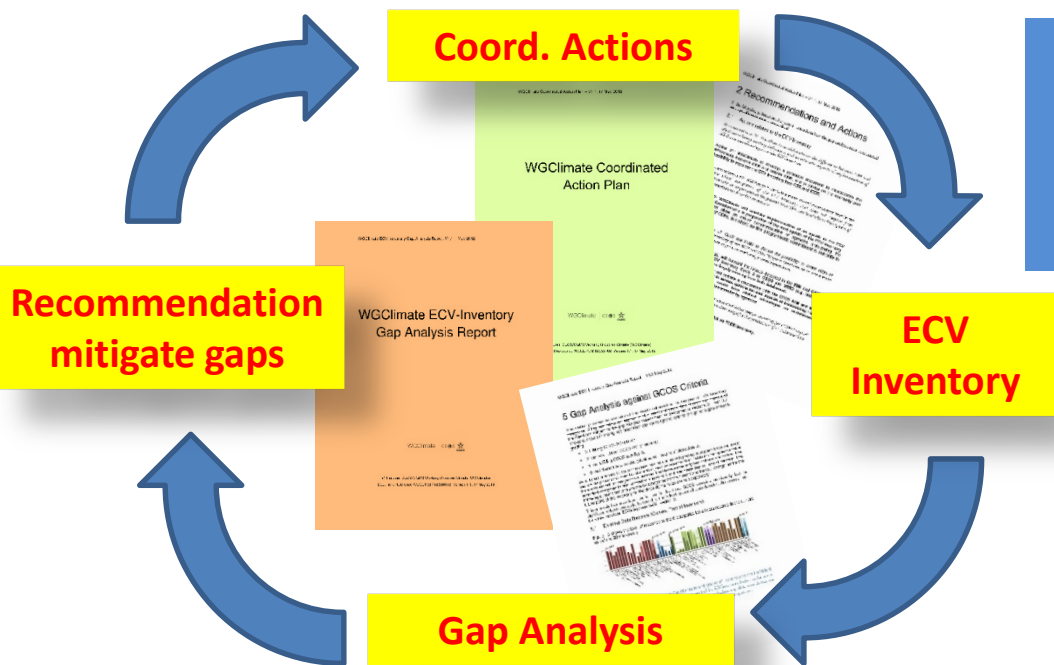


CEOS @CEOSdotORG

Tell us a story! 🗣️ How have you used #ClimateDataRecords from satellite #EarthObservations for societal benefit? Tell us about it here to enhance awareness and expand the space-based #climatemonitoring user community: climatemonitoring.info/use-cases

Optimise production & quality of CDRs

Increase impact of CDRs



Partnership with EUMETSAT

- During the last decade Europe has grown very strong on providing climate information from space-based data
- Should continue our partnership to support observational evidence of climate change, climate process understanding, climate model performance and development. ESA, EUMETSAT and EC should jointly work on such activities
- Establish data products that address real needs, e.g., to support implementation of the Paris Agreement
- Some Climate Data Records may need a tri-lateral projects with involvement of all partners similar to mission partnerships as for Sentinel-6
- Do not forget the analysis of instrument raw data (L1), i.e., create for every ESA instrument uncertainty characterised best possible instrument data time series, then cross calibrate for harmonisation
- Uncertainty characterisation and usage of uncertainty information remains an important field of research
- “real-time” climate monitoring is important, what is ESA’s perspective on that?
- Use EUMETSAT data, but provide clear needs for them to enable us to be an efficient supporter