



The Joint CEOS/CGMS Working Group on Climate



ECV Inventory #3: context and status

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"ECV Inventory": a database of information about satellite-derived (Thematic) Climate Data Records addressing geophysical quantities contributing to the GCOS-defined space-observable ECVs / ECV Products.

- Capture the largest possible number of *existing* and *planned* satellite-derived CDRs addressing GCOS ECVs
- Get the most accurate information concerning the data records: Stewardship, (Generation Process,) Record Characteristics, (Documentation,) Accessibility, Applications
- Ensure completeness and consistency of information provided

- Data call through WGClimate CEOS and CGMS space agencies' *Focal Points*
- Direct involvement of data producers identified by the space agencies; *Questionnaire Guide* and individual support
- Verification / consolidation process by individual interaction with the ECV Inventory Responders



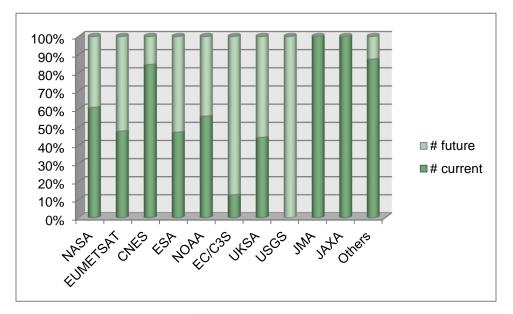


Evolution: a steep learning curve...

Cycle #1 (-2014) ► Cycle #2 (2016-2018) ► 'Cycle' #3 (2018 -)

... with good results!

913 records (496 existing + 417 planned) contributed by ~ one hundred *Responders* from 10 agencies



Domain	Total	Current	Future	Climate Monitoring from Space WGClimate
All	913	496	417	Clande Montenny Observation Navels: Architecture: Coordination ECV Inventory Case studies: Contact
Atmosphere	658	376	282	ECV Inventory The Essential Cliniteh Valuable (ECV) Inventory houses information on Cliniteh Data Records (CDR) priorided by CEOS and COMS member agencies. The Inventory as a substrated regional for the non-antichendes at hen bytes of ECV CDRs:
Land	135	56	79	Climate data records that ensist and are accessible: Climate data records that ensist and are accessible: Climate data records that ensist and are accessible: Climate data records that ensist and the accessible: The ECV Inventory is an open resource to explore existing and planead data records from space agency sponsored activities. Access links to the data are
Ocean	120	64	56	provided within the Inventory, slongside details of the data's provemance, integrity and application to climate monitoring. The Inventory is updated every year and provides a unique source of information on climate data records evaluate internationally. The current version of the Inventory was released in October 2017. The interactive version of the inventory is available below, a static seport is available term [CCV_Inventory_v2.5].





Evolution: ...with good published results!

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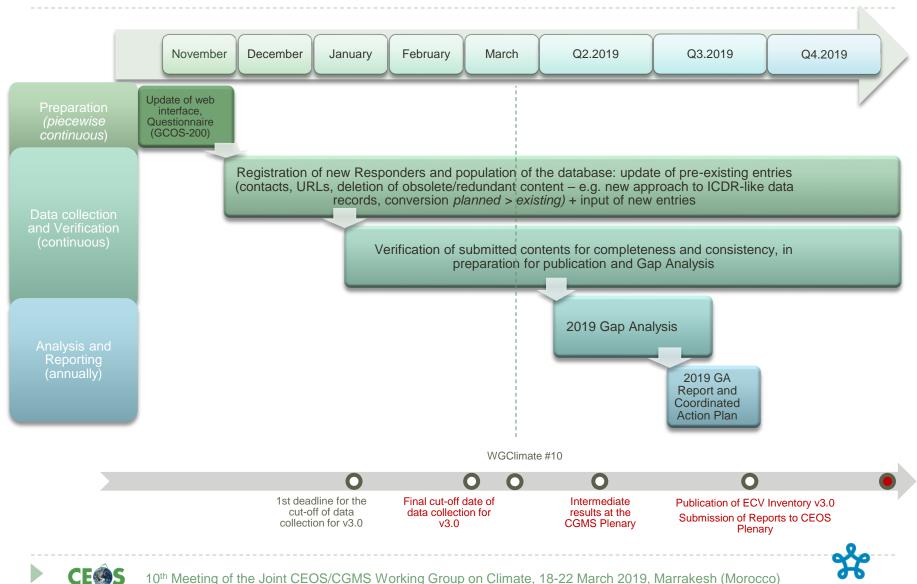
Evolution: ... and followed by a flatter stretch

- ▶ Cycle #1 (2014)
 ▶ Cycle #2 (2016 2018)
 ▶ 'Cycle #3' (2018)
 - Continuous data collection (update*), with cut-off dates for reference versions of the annual ECV Inventory, Gap Analysis, and Coordinated Action Plan
 - Conversion of *planned* into *existing*
 - Update of information for v2.0
 - Deletion of obsolete / redundant content
 - Registration of new content
 - Lessons learnt from data collection, verification process, and gap analysis:
 - Minor changes to the questionnaire and terminology
 - Different approach for registration of ICDR-like datasets
 - Relaxation of commitment constraints for planned CDRs





Status: timeline for 2019



Status: a provisional* snapshot in numbers

- * pre-verification process
- ▶ 1394 entries
 - ▶ 418 new
 - > 976 inherited (913 published + 63 non finished/verified from Cycle #2)
- 1298 entries "available"
 - ▶ 817 existing + 481 planned
 - 892 Atmosphere + 235 Land + 146 Ocean (+25)
- ~ two hundred Responders, Co-editors, Observers
 - 60 + 6 new registered Responders
 - New input on e.g. Above-Ground Biomass and Sea-surface Salinity (previous "gaps")
 - New / Stronger contributors: KMA (new), JAXA and JMA (stronger)
 - New programs: ESA CCI+, C3S-funded Projects planned CDRs
- ... and still growing



