

WGClimate
The Joint CEOS/CGMS
Working Group on Climate



ECV Inventory #3: context and status

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Context and evolution

“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*

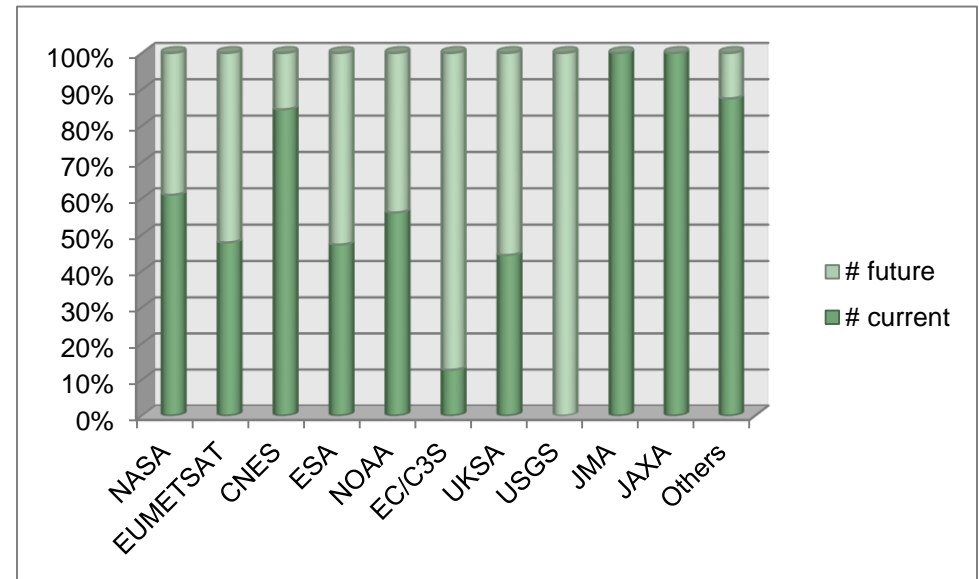


Evolution: a steep learning curve...

- ▶ 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
All	913	496	417
Atmosphere	658	376	282
Land	135	56	79
Ocean	120	64	56



Evolution: ...with good published results!

Climate Monitoring from Space

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Existing data records | Planned data records

Refresh CSV Excel

Existing data records

Show **All** entries

RecordID	Details	tempCov
10138		
10145		
10149		
10258		
10259		
10302		
10305		
10490		
10491		
10675		
10677		
10795		
11009		
11010		
11015		
11053		
11502		

Showing 1 to 17 of 17 entries (filtered fr

19.03.2019 19:05:06

Existing data records | Planned data records | **Details (existing)**

Detailed information for existing data record

Refresh

Record Information | Stewardship | Registration Process | Record Characteristics | Documentation | **Accessibility** | Applications

Access point	osisaf-manager@met.no	
Access conditions	Type of access	Free and unrestricted access
	Restrictions to access	
	Registration / ordering	Open access to data through ftp
Data record (link)	ftp://osisaf.met.no/reprocessed/ice/conc/osi-409-a	
FCDR availability (link)	http://www.remss.com/meas...ess-temperature#TB_Access	
Data format and metadata standard	Data format	NetCDF
	Metadata standard	CF
Dissemination mechanisms	FTP	
Release date (yyyy)	2015	

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Filter:

- RecordID = 10675

<http://climatemonitoring.info/ecvinventory/>

▶ version 2.0 (10 / 2017)

▶ Download

▶ Browsing

▶ Direct links to data

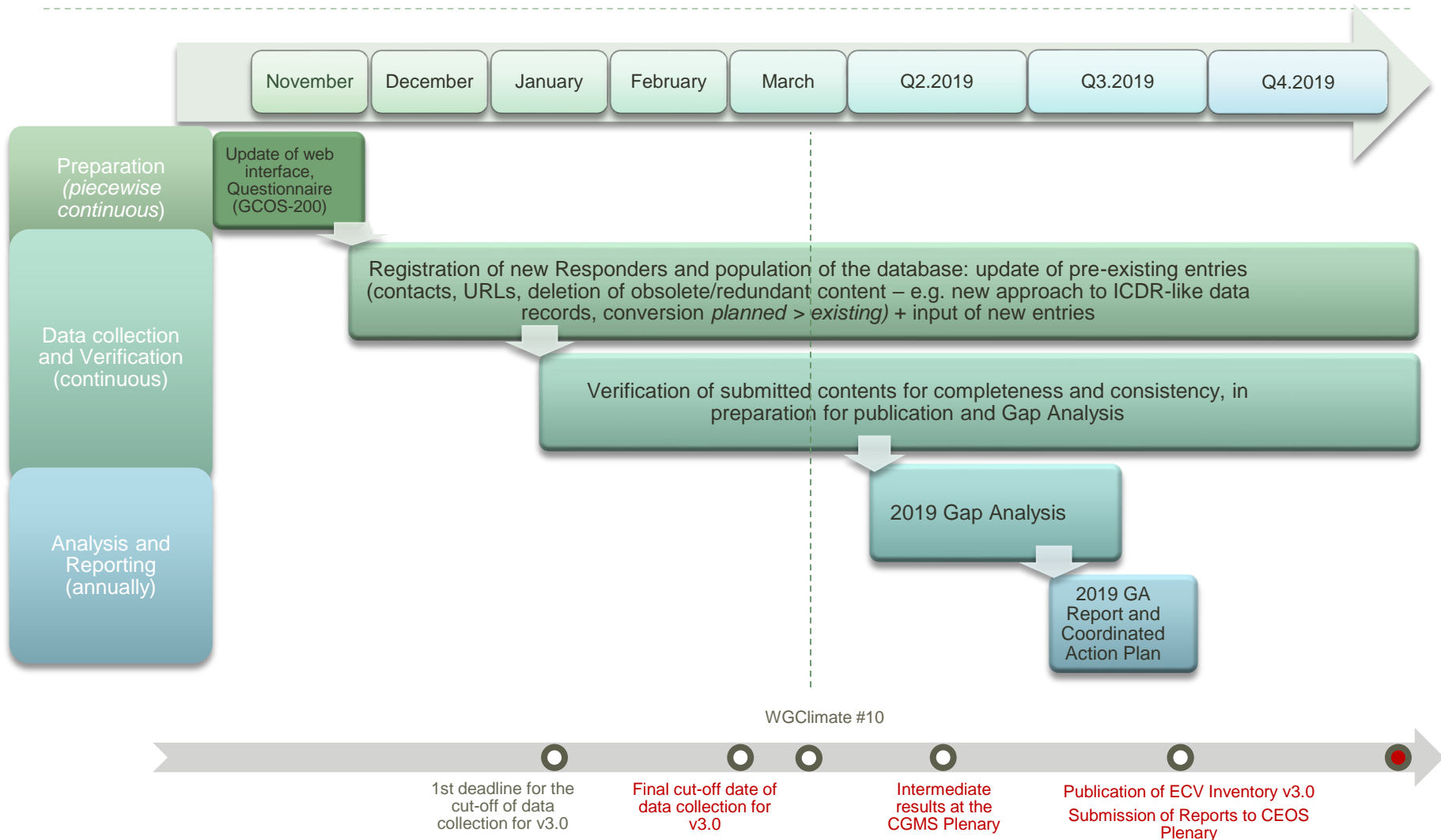
Evolution: ... and followed by a flatter stretch

- ▶ 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

