

National Aeronautics and
Space Administration

EARTHDATA

International Directory Network (IDN) status report

WGISS-61 03/16-20/2026

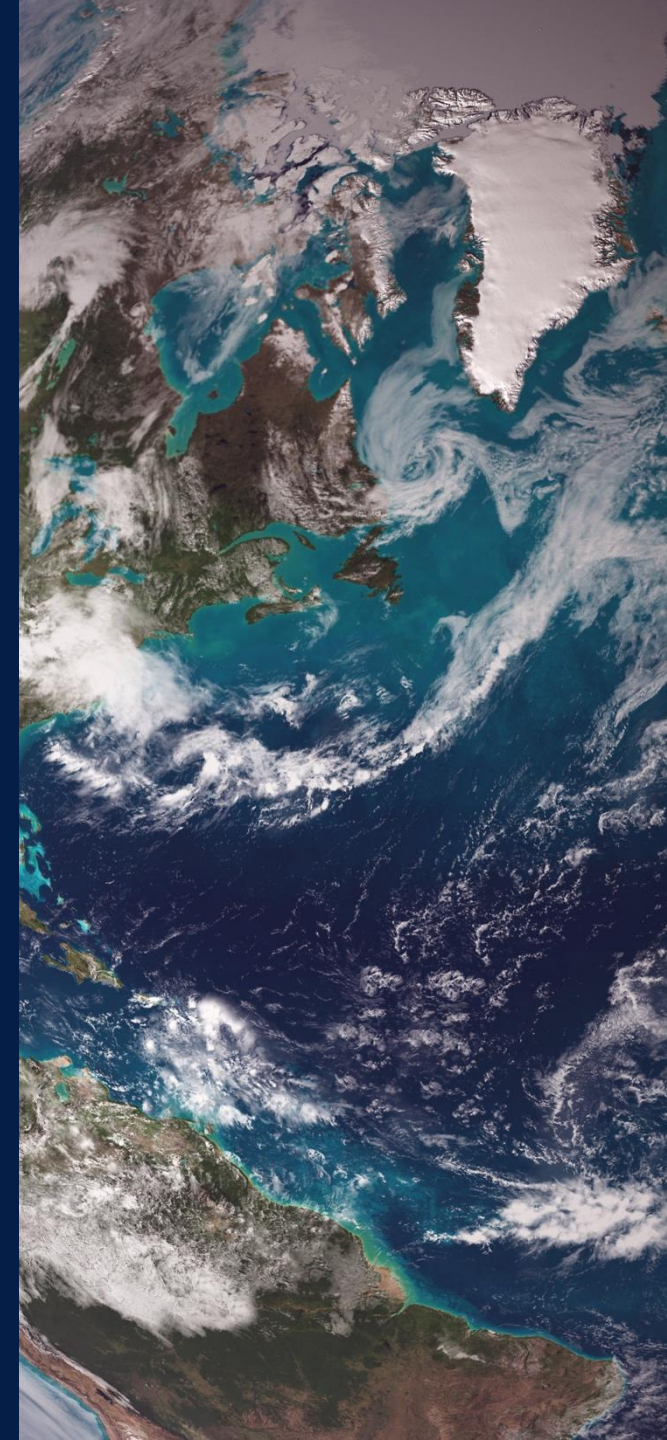
Doug Newman

NASA Goddard Space Flight Center, ESDIS Project



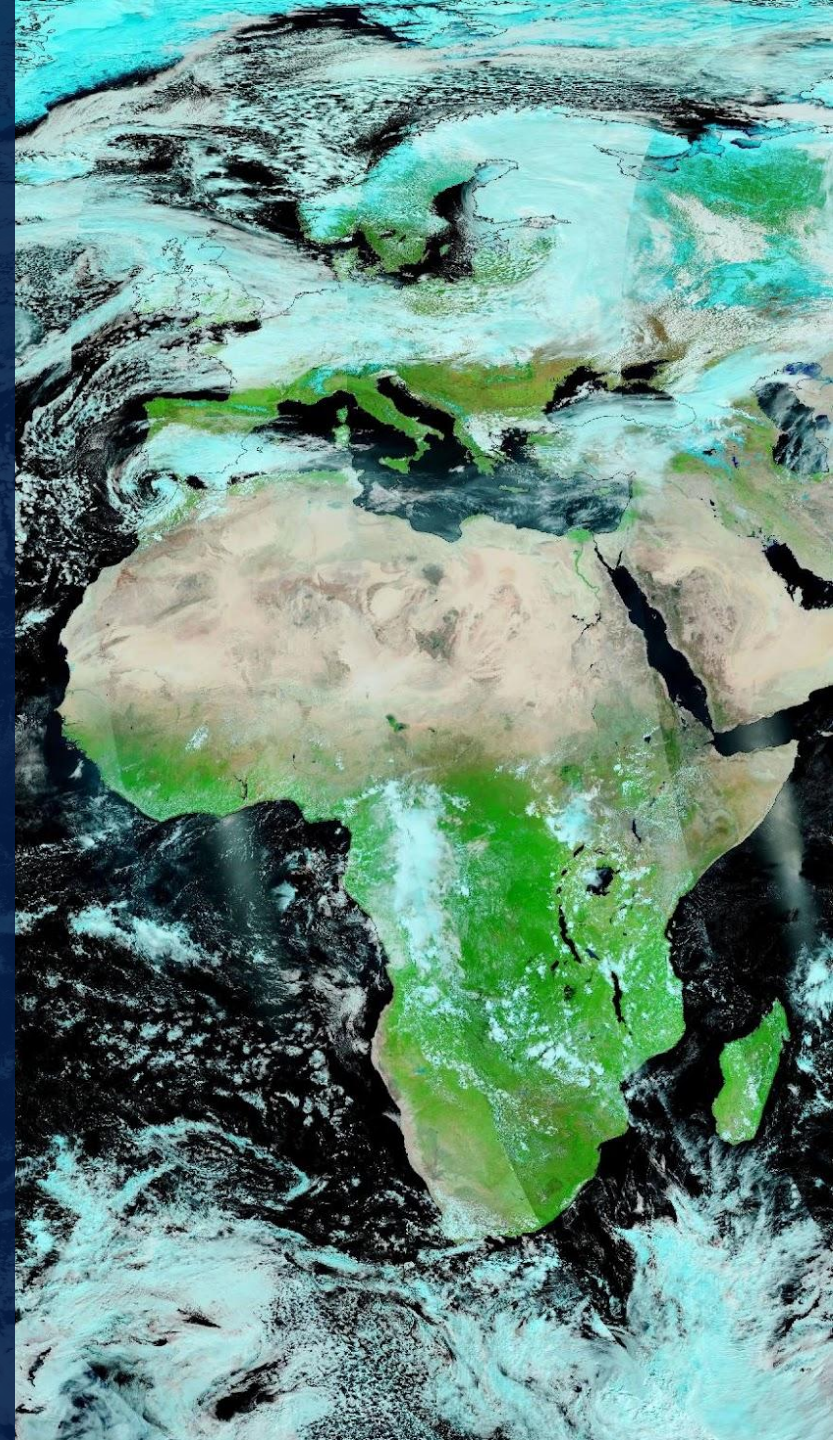
Agenda

- Updates
- MMT and Draft MMT
- UMM-C Quality
- Requests to the group



Updates

What we have done



FEDEO collection updates

Completed updates for

- CCI: 180 collections (10 new and 170 updated)
- ESA: 200 collections (5 new and 195 updated)
- DLR: 51 collections (all updates)
- VITO: 115 collections (all updates and 4 failed ingest due to DIF-10 parsing bug)



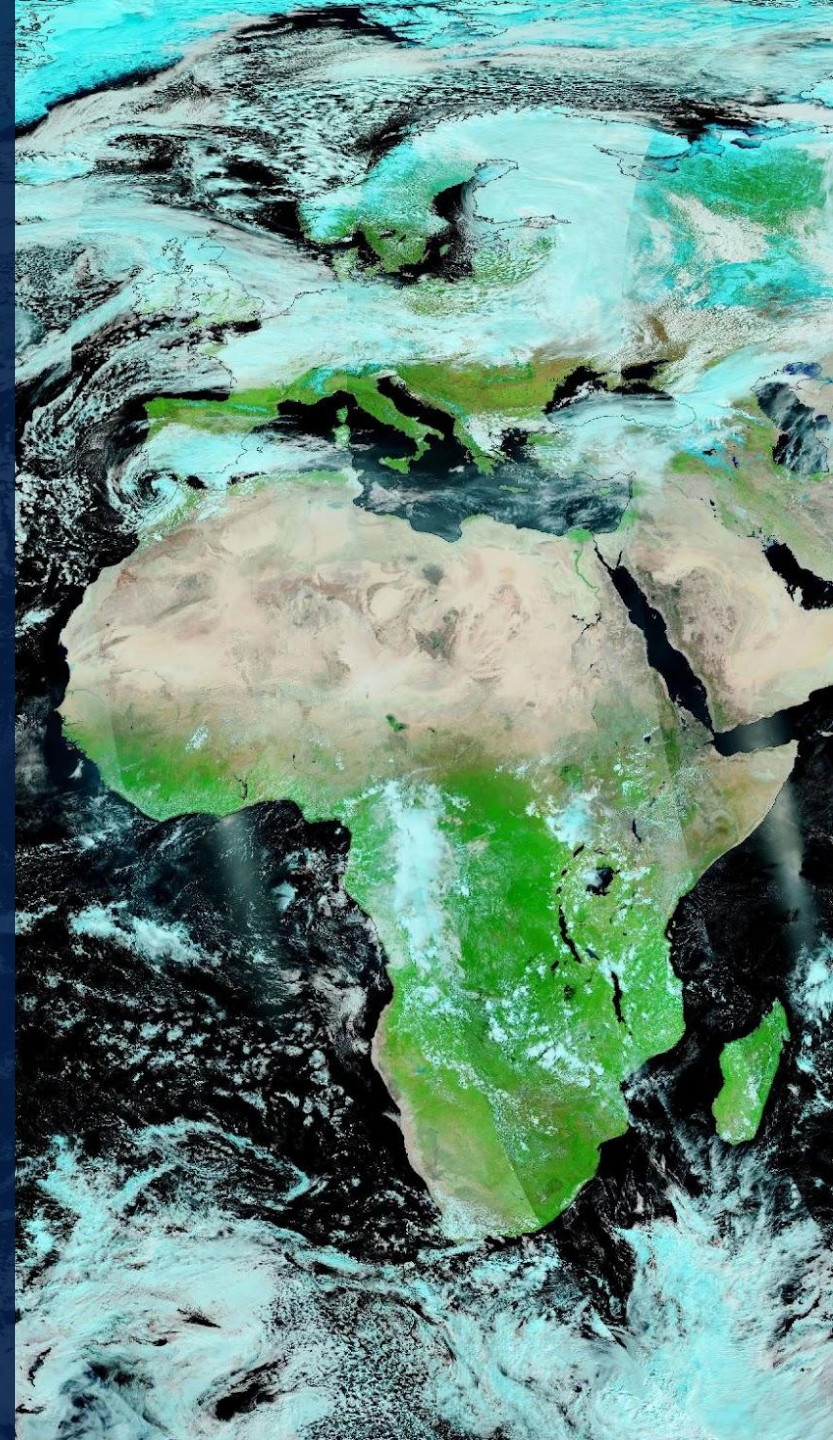
JAXA collection updates

IDN now has 1,017 collections from JAXA.



MMT and Draft MMT

What we have done



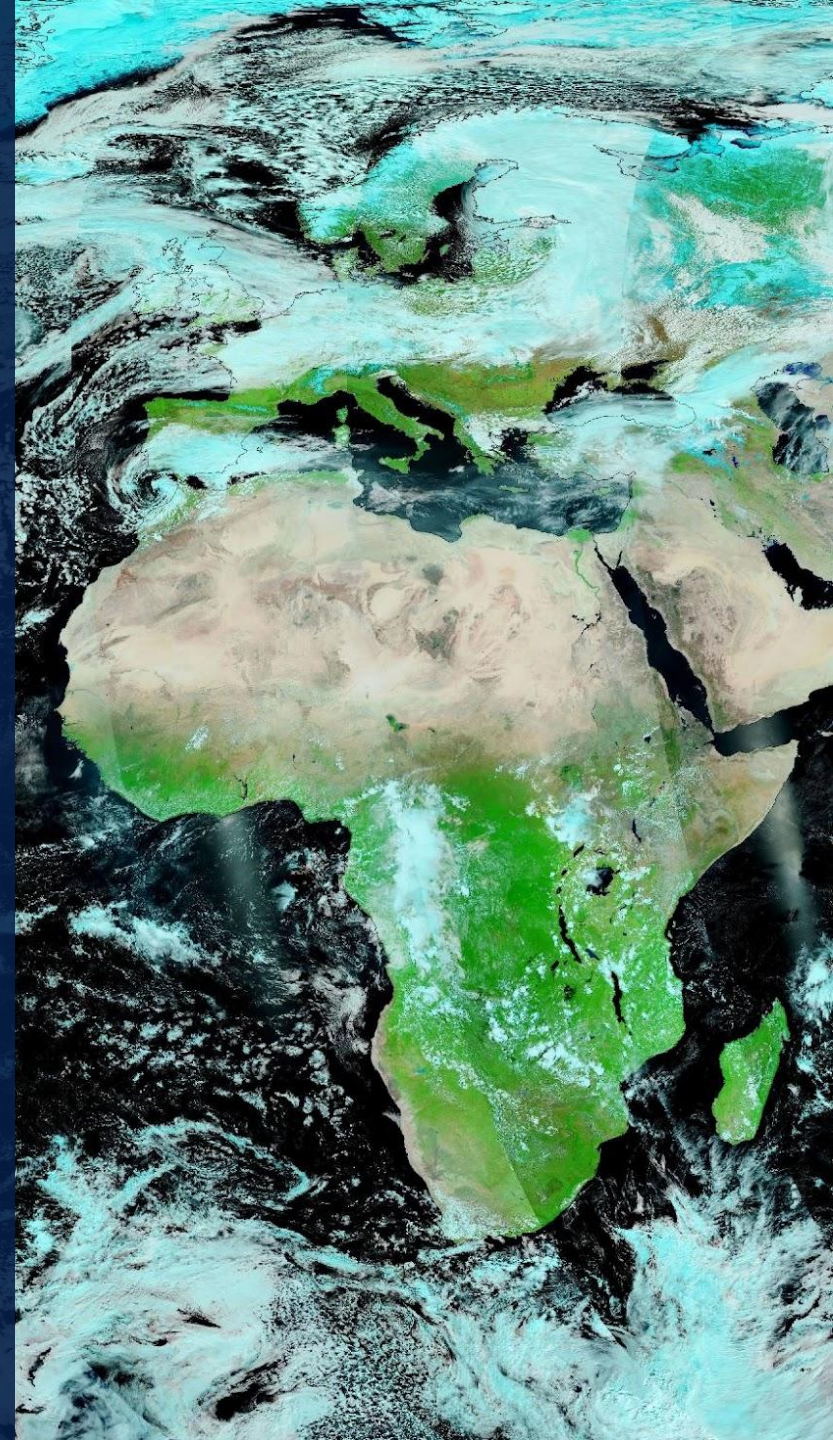
MMT client will replace Draft MMT

1. By the end of April 2026 the [Metadata Management Tool](#) (MMT) client will replace Draft MMT. CEOS and Non-NASA providers will be able to Create, Read, Update, and Delete (CRUD) their dataset (collection) entries [using the MMT](#)
2. Users will be able to [login using EDL tokens](#)
3. MMT CRUD access for the CEOS providers can be granted by contacting [Michael Morahan](#) or earthdata-support@nasa.gov.



Universal Metadata Model for collections (UMM-C) Quality

What we have done



UMM-C JSON and DIF Quality Field Changes

The Quality field will be updated with 3 sub-fields:

- a. **Summary:** Summary, a short description, of the quality element(s) of the data in the collection in the form of a text overview and can be itemized with hyperlinks.
- b. **TypeOfContent:** Elements describing quality content characteristics.
 - i. **Enumerations:** "KnownIssues", "Strengths", "Limitations", "Other"
- c. **ContentDescription:** Elements describing information about quality of the collection data, including a summary, known issues, strengths, limitations, and other quality-related information.

- [UMM-C JSON Schema](#)
- [DIF10 Schema](#)

UMM-C JSON Quality Example

```
"Quality": {  
  "Summary": "The MODIS Vegetation Continuous Fields (VCF) product is a sub-pixel-level representation of surface  
vegetation cover estimates globally. The product has undergone extensive quality assurance and validation processes.  
Known strengths include global coverage and consistent methodology, while limitations include potential underestimation  
in densely forested areas.",  
  "QualityContentDetails": [ {  
    "TypeOfContent": "Strengths",  
    "ContentDescription": "1) Global coverage: The product provides consistent vegetation cover estimates for the  
entire land surface of the Earth. 2) High temporal resolution: Annual updates allow for tracking of changes in  
vegetation cover over time. 3) Validated methodology: The algorithm has been extensively tested and validated against  
ground-truth data in various ecosystems. (https://modis-land.gsfc.nasa.gov/ValStatus.php?ProductID=MOD13) "  
  },  
  {  
    "TypeOfContent": "Limitations",  
    "ContentDescription": "1) Spatial resolution: At 250m, some fine-scale vegetation patterns may not be captured. 2)  
Potential underestimation in dense forests: The product may slightly underestimate tree cover in very dense tropical  
forests due to saturation effects. 3) Mixed pixels: In heterogeneous landscapes, the sub-pixel estimates may not fully  
capture the complexity of vegetation distribution."  
  },  
  ...  
]  
},
```



DIF10 Quality Example

```
<Quality mime_type="text/markdown">
```

```
  <Summary>The MODIS Vegetation Continuous Fields (VCF) product is a sub-pixel-level representation of surface vegetation cover estimates globally. The product has undergone extensive quality assurance and validation processes. Known strengths include global coverage and consistent methodology, while limitations include potential underestimation in densely forested areas.</Summary>
```

```
  <QualityContentDetails>
```

```
    <TypeOfContent>Strengths</TypeOfContent>
```

```
    <ContentDescription>1) Global coverage: The product provides consistent vegetation cover estimates for the entire land surface of the Earth. 2) High temporal resolution: Annual updates allow for tracking of changes in vegetation cover over time. 3) Validated methodology: The algorithm has been extensively tested and validated against ground-truth data in various ecosystems.
```

```
    (https://modis-land.gsfc.nasa.gov/ValStatus.php?ProductID=MOD13)</ContentDescription>
```

```
  </QualityContentDetails>
```

```
  <QualityContentDetails>
```

```
    <TypeOfContent>Limitations</TypeOfContent>
```

```
    <ContentDescription>1) Spatial resolution: At 250m, some fine-scale vegetation patterns may not be captured. 2) Potential underestimation in dense forests: The product may slightly underestimate tree cover in very dense tropical forests due to saturation effects. 3) Mixed pixels: In heterogeneous landscapes, the sub-pixel estimates may not fully capture the complexity of vegetation distribution.</ContentDescription>
```

```
  </QualityContentDetails>
```

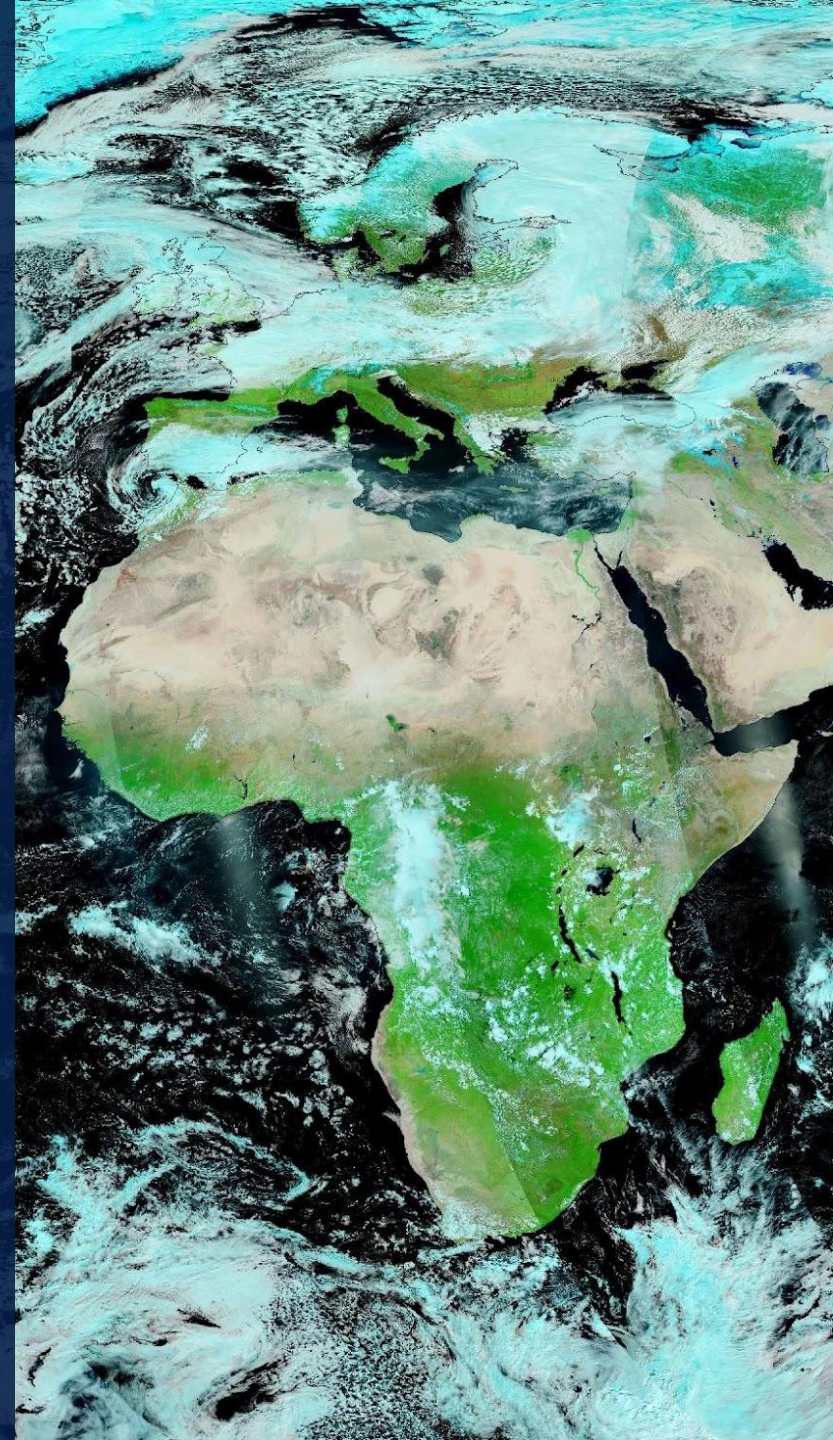
```
  ...
```

```
</Quality>
```



Requests to the group

Dear WGISS...



ISRO and the IDN Search Portal

1. ISRO datasets and data are discoverable through Earthdata Search, via CWIC, but downloads are failing. We need some assistance to troubleshoot this.
2. CMR now supports direct upload of collections from ISRO. We invite you to leverage this capability
3. **Get your STAC catalogs visible to CMR via your collection metadata records!**



Verify your records at the IDN/CMR

GET [https://cmr.earthdata.nasa.gov/search/collections.native?page_size=2000&options\[data_center\]\[pattern\]=true&data_center\[\]=<your tag>](https://cmr.earthdata.nasa.gov/search/collections.native?page_size=2000&options[data_center][pattern]=true&data_center[]=<your tag>)

Agency	Tag	Agency	Tag
BELSP0	VITO	JAXA	JP/JAXA*
CNES	fr/CNES	KARI	KR/KARI
CONAE	AR/CREDAS	NOAA GHR SST	GHR SST CWIC
CSIRO	AU/CSIRO*	NOAA NCEI	NOAA_NCEI
DLR	DE/DLR/	NRSCC	CN/Global* and CN/ChinaGEOSS
ESA	VITO and ESA/ESRIN and DE/DLR and CEDA and FedEO	NSMC/CMA	CN/FENG YUN
EUMETSAT	EUMETSAT*	ROSCOSMOS	RU/NT*
GISTDA	TH/MSTE/GISTDA	ROSHYDROMET	RU/ROSHYDROMET*
INPE	BR/INPE*	USGS	DOI/USGS*
ISRO	IN/ISRO*		



Verify your points of contact

Agency	POC	Agency	POC
BELSP0	Yves Coene	JAXA	Yousuke Ikehata, Kaori Kuroiwa
CNES	Damiano Guerrucci	KARI	Damiano Guerrucci, Yves Coene
CONAE	Homero Lozza	NASA	Katie Baynes
CSIRO	Matt Paget	NOAA NCEI	Ken Casey, Rich Baldwin
DLR	Damiano Guerrucci, Yves Coene	NRSCC	Yuqi Bai
ESA	Damiano Guerrucci, Yves Coene	NSMC/CMA	Unknown
EUMETSAT	Damiano Guerrucci, Yves Coene	ROSCOSMOS	Damiano Guerrucci, Yves Coene
GISTDA	Pakorn Apaphant	ROSHYDROMET	Unknown
INPE	Lubia Vinhas	USGS	Tom Sohre
ISRO	Nitant Dube, Sai Kalpana		





IDN is part of CMR!

Contact me at...

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WEBSITE
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SOCIAL MEDIA
[@NASAEarthData](https://twitter.com/NASAEarthData)