

WIS 2.0 Update

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ITSC NWP WG – Summer 2026 meeting
17 June 2026

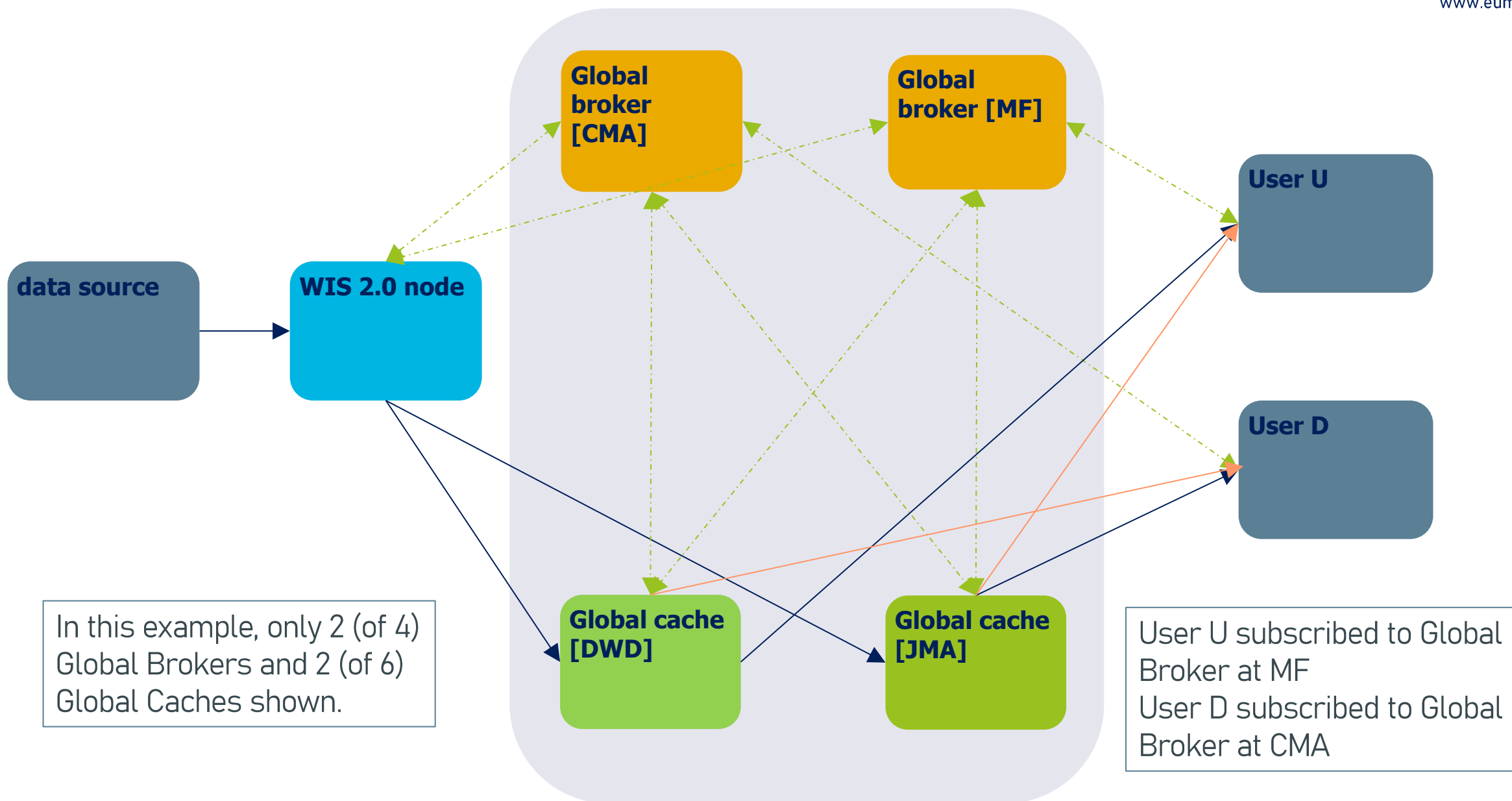
Trusted in Space.
Essential on Earth.

- **Pre-operational phase concluded** at the end of 2024;
- **Now in transition phase** 2025 to 2030;
- Manual on GTS is frozen, together with associated GTS catalogue:

No new data on the GTS

No new abbreviated bulletin headers

*Satellite data providers are beginning to provide data via WIS 2.0, e.g. in addition to **EUMETSAT**, INSAT-3D winds from **IMD**, FY-3E GNOS data from **CMA**, DBNet data from **NOAA/CIMSS**, DBNet data from **Météo-France**, DBNet data from **HKO**, GEO-KOMPSAT-2A L2 products from **KMA***

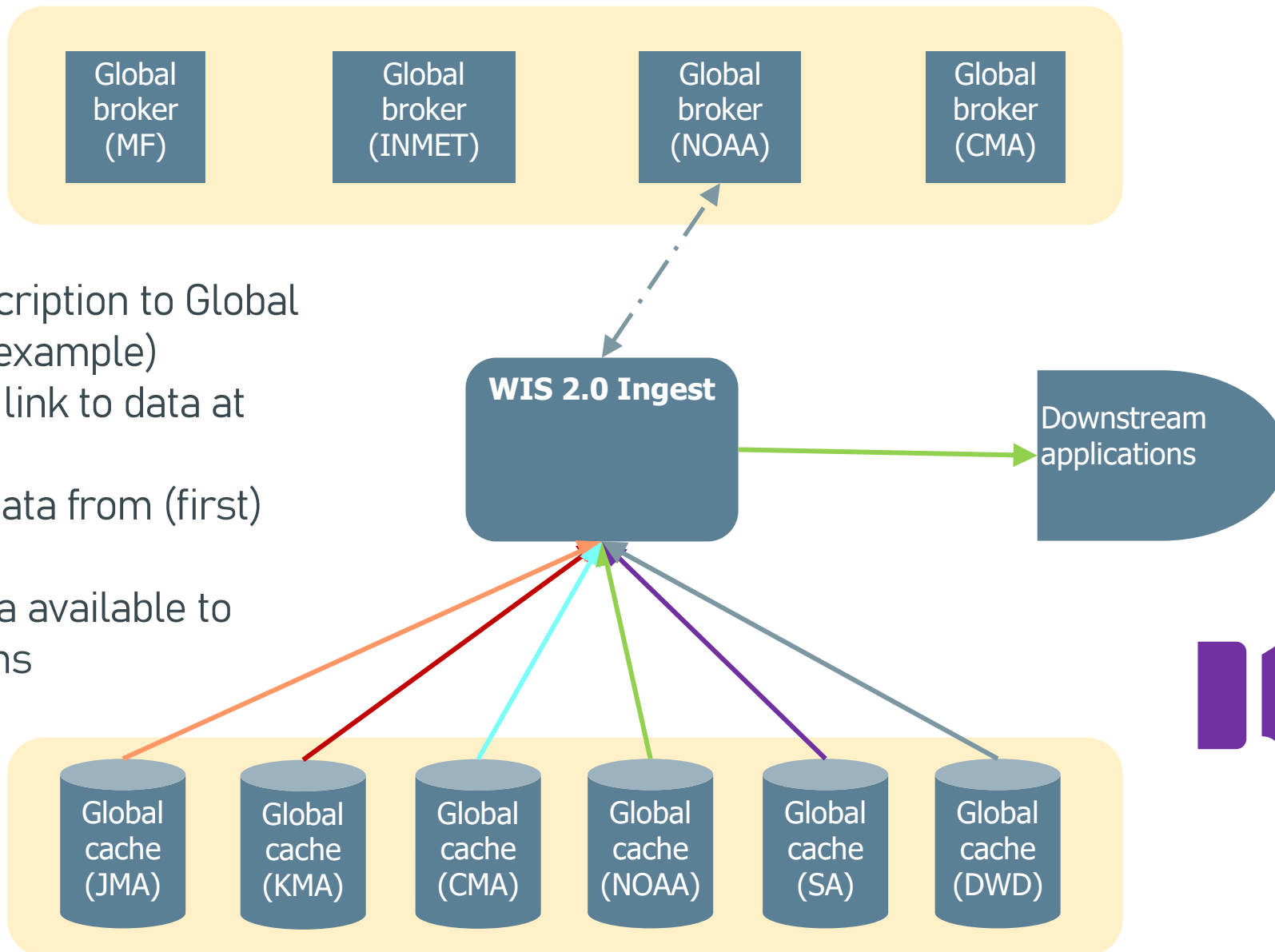


- **Incoming** data flow from GTS to ground segments to be replaced with subscriptions to global brokers and ingestion scripts;
- **New outgoing** “GTS” data flows starting after **2024** have to be made available via WIS 2.0 instead;
- **All outgoing** GTS data flows to be made available via WIS 2.0 by **2030**.

Data via WIS 2.0 can be larger than GTS limits and is not limited to BUFR/GRIB [regulatory update in process]. This will bring many users and simplify data access.

- EUMETSAT WIS 2.0 node formally running since **December 2025**
- Explaining WIS 2.0 to core users at CGMS, ITSC, DBNet, CEOS, WMO ET-SSU, AOMSUC, and GODEX_{NWP} and at dedicated workshops in CIMSS and NCMRWF
- Operational WIS 2.0 centres:
 - 4 Global Brokers, 6 Global Caches, 3 Global Discovery Catalogues and 2 Monitoring Centres
 - 104 WIS 2.0 nodes providing core (and sometimes recommended) data
- ***EUMETSAT is providing all satellite data currently distributed on the GTS operationally, via WIS 2.0***

- Example showing subscription to Global Broker (here NOAA as example)
- Global Broker provides link to data at multiple Global Caches
- Ingest client retrieves data from (first) one of these
- Ingest client makes data available to downstream applications



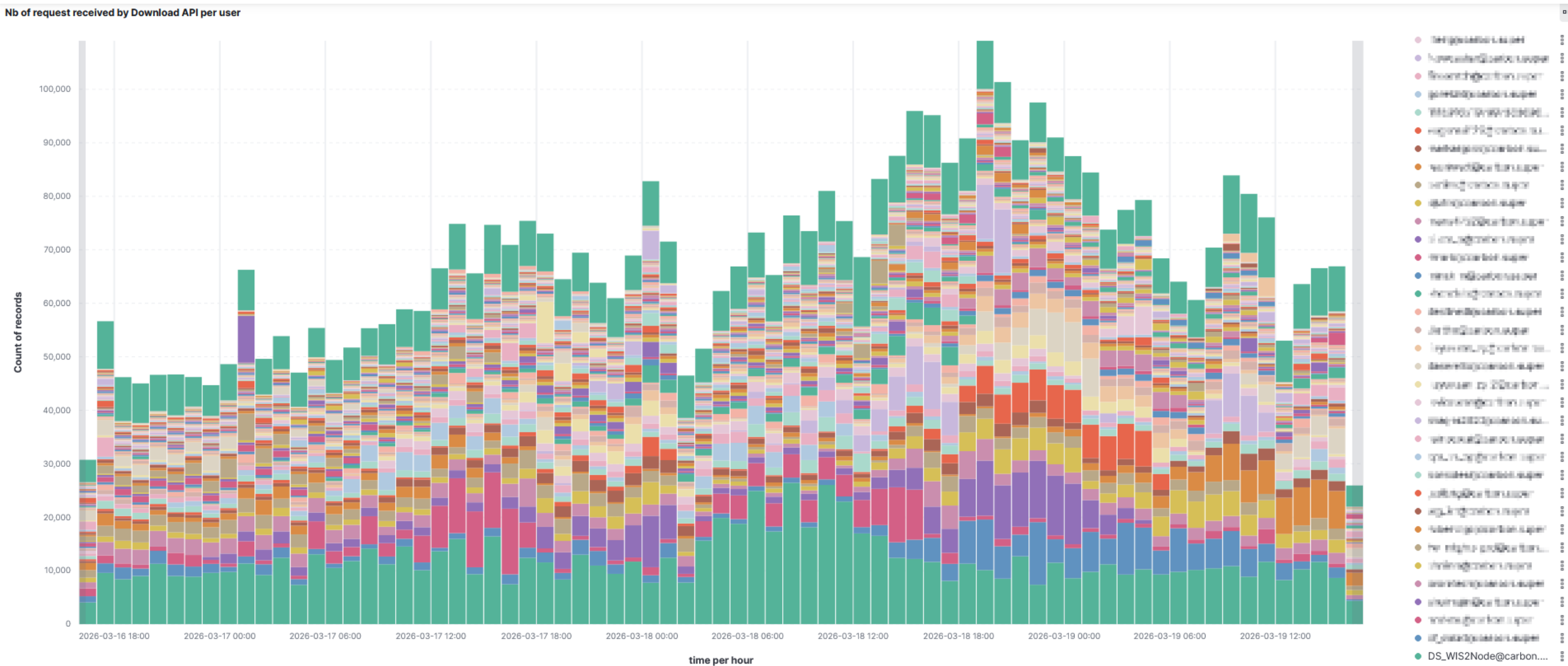




WIS 2.0 topics used for data from EUMETSAT

www.eumetsat.int

Satellite	Instrument	Product	WIS 2.0 topic hierarchy
CFOSAT	SWIM	TPDS	cache/a/wis2/int-eumetsat/data/core/weather/space-based-observations/cfosat/swim
FY-3D	MWHS	DBNet	cache/a/wis2/int-eumetsat/data/core/weather/space-based-observations/fy-3d/mwhs-2
	MWTS	DBNet	cache/a/wis2/int-eumetsat/data/core/weather/space-based-observations/fy-3d/mwts-2
FY-3E	MWHS	DBNet	cache/a/wis2/int-eumetsat/data/core/weather/space-based-observations/fy-3e/mwhs-2
Jason-3	Poseidon	Global	cache/a/wis2/int-eumetsat/data/core/weather/space-based-observations/jason-3/poseidon-3b
Lemur-2	STRATOS	TPDS	cache/a/wis2/int-eumetsat/data/core/weather/space-based-observations/lemur-2/stratos
Meteosat-10	SEVIRI	L2	cache/a/wis2/int-eumetsat/data/core/weather/space-based-observations/meteosat-10/seviri
Meteosat-11	SEVIRI	L2	cache/a/wis2/int-eumetsat/data/core/weather/space-based-observations/meteosat-11/seviri
Meteosat-12	FCI	L2	cache/a/wis2/int-eumetsat/data/core/weather/space-based-observations/meteosat-12/fci
Meteosat-9	SEVIRI	L2	cache/a/wis2/int-eumetsat/data/core/weather/space-based-observations/meteosat-9/seviri
Metop-B	AMSU-A	DBNet/Global	cache/a/wis2/int-eumetsat/data/core/weather/space-based-observations/metop-b/amsu-a
	AVHRR	AMV	cache/a/wis2/int-eumetsat/data/core/weather/space-based-observations/metop-b/avhrr-3
	GRAS	Global	cache/a/wis2/int-eumetsat/data/core/weather/space-based-observations/metop-b/gras
	IASI	DBNet/Global	cache/a/wis2/int-eumetsat/data/core/weather/space-based-observations/metop-b/iasi
	MHS	DBNet/Global	cache/a/wis2/int-eumetsat/data/core/weather/space-based-observations/metop-b/mhs
Metop-C	AMSU-A	DBNet/Global	cache/a/wis2/int-eumetsat/data/core/weather/space-based-observations/metop-c/amsu-a
	AVHRR	AMV	cache/a/wis2/int-eumetsat/data/core/weather/space-based-observations/metop-c/avhrr-3
	GRAS	Global	cache/a/wis2/int-eumetsat/data/core/weather/space-based-observations/metop-c/gras
	IASI	DBNet/Global	cache/a/wis2/int-eumetsat/data/core/weather/space-based-observations/metop-c/iasi
	MHS	DBNet/Global	cache/a/wis2/int-eumetsat/data/core/weather/space-based-observations/metop-c/mhs
NOAA-20	ATMS	DBNet/Global	cache/a/wis2/int-eumetsat/data/core/weather/space-based-observations/noaa-20/atms
	CrIS	DBNet/Global	cache/a/wis2/int-eumetsat/data/core/weather/space-based-observations/noaa-20/cris
NOAA-21	ATMS	DBNet/Global	cache/a/wis2/int-eumetsat/data/core/weather/space-based-observations/noaa-21/atms
	CrIS	DBNet/Global	cache/a/wis2/int-eumetsat/data/core/weather/space-based-observations/noaa-21/cris
SARAL	AltiKa	TPDS	cache/a/wis2/int-eumetsat/data/core/weather/space-based-observations/saral/altika
Sentinel-1A	SAR-C	TPDS	cache/a/wis2/int-eumetsat/data/core/weather/space-based-observations/sentinel-1a/sar-c
Sentinel-1C	SAR-C	TPDS	cache/a/wis2/int-eumetsat/data/core/weather/space-based-observations/sentinel-1c/sar-c
Sentinel-1D	SAR-C	TPDS	cache/a/wis2/int-eumetsat/data/core/weather/space-based-observations/sentinel-1d/sar-c
Sentinel-3A	OLCI	Global	cache/a/wis2/int-eumetsat/data/core/weather/space-based-observations/sentinel-3a/olci
	SRAL	Global	cache/a/wis2/int-eumetsat/data/core/weather/space-based-observations/sentinel-3a/sral
Sentinel-3B	OLCI	Global	cache/a/wis2/int-eumetsat/data/core/weather/space-based-observations/sentinel-3b/olci
	SRAL	Global	cache/a/wis2/int-eumetsat/data/core/weather/space-based-observations/sentinel-3b/sral
Sentinel-6A	Poseidon	LR	cache/a/wis2/int-eumetsat/data/core/weather/space-based-observations/sentinel-6a/poseidon-4
	Poseidon	HR	cache/a/wis2/int-eumetsat/data/core/weather/space-based-observations/sentinel-6a/poseidon-4
<i>Sentinel-6B</i>	<i>Poseidon</i>	<i>LR</i>	<i>cache/a/wis2/int-eumetsat/data/core/weather/space-based-observations/sentinel-6b/poseidon-4</i>
	<i>Poseidon</i>	<i>HR</i>	<i>cache/a/wis2/int-eumetsat/data/core/weather/space-based-observations/sentinel-6b/poseidon-4</i>
S-NPP	ATMS	DBNet/Global	cache/a/wis2/int-eumetsat/data/core/weather/space-based-observations/snpp/atms
	VIIRS	Global	cache/a/wis2/int-eumetsat/data/core/weather/space-based-observations/snpp/viirs
SWOT	Poseidon	TPDS	cache/a/wis2/int-eumetsat/data/core/weather/space-based-observations/swot/poseidon-3c



- **China:** CMA is planning to distribute all GTS data in parallel via WIS 2.0. This expected to be around mid-2026. For new data, NSMC will work with NMIC to decide what to do
- **Korea:** Provision of satellite data via WIS 2.0 subject to ongoing consideration within KMA
- **India:** Addition of Indian DBNet data being finalised via NCMRWF. Other data are also being considered. ISRO/MOSDAC is also looking at the possible use of WIS 2.0
- **Japan:** Work on going – no specific plans for satellite data available yet
- **United States of America:** Work on going – no specific plans for satellite data available yet
- **Russia:** Liaison ongoing between SRC Planeta and Roshydromet

Note: CMA, KMA, JMA and NOAA all provide operational WIS 2.0 Global Services

DBRTN: NOAA/CIMSS are providing full resolution hyperspectral data from their DB network. These data were never on the GTS

FY-3E GNOS-2: CMA is providing radio occultation data from FY-3E natively via WIS 2.0

Sentinel-1C/D via EUMETSAT

Upcoming satellite data on WIS 2.0

- Sentinel-6B, Metop-D via EUMETSAT
- DBNet from Africa: Space for Early Warning in Africa (SEWA) will provide DBNet data from 4 African sites via WIS 2.0
- SEM-2 space weather data from EUMETSAT



Thank you!
Questions are welcome.