

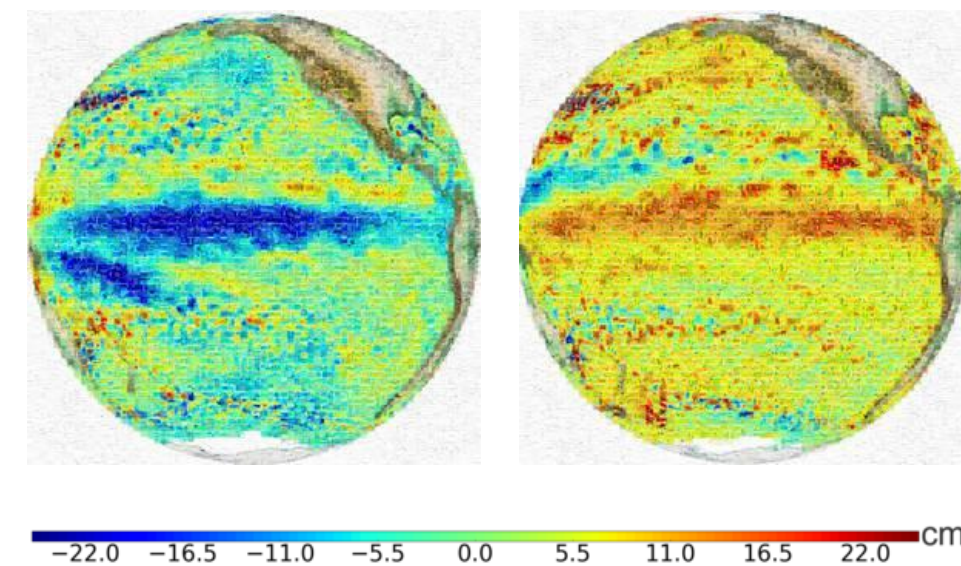
General & Web

- New versions of Services (ftp, OpenDAP, Extraction tool, LAS)

- The image of the month section is 20 years old

- Newsletter #15 published in September 2018

- Aviso+ is one of the data and service centre of the Ocean Data Information and Services (ODATIS) which serves as the entry point to access all French Ocean observation data.



Mosaic of all 'images of the month' in the shape of the monthly average of sea level anomalies for Nov. 1998 showing La Niña and Nov. 2018 with a weak El Niño. (published on Jan. 2019)

Sea surface height and derived products

- Monomission Corrected Sea Level Anomalies (L2P)
- Ssalto/Duacs Climatology Maps of Sea Level Anomalies
- Ssalto/Duacs along-track and Maps of Sea Level Anomalies heights and velocities (Mozambique)
- Geophysical Data Records

2018

- New Ssalto/Duacs experimental along-track and gridded Sea Level Heights and velocities

2019

- Addition of Sentinel-3B Monomission Corrected Sea Level Anomalies (L2P)

Ocean indicators

- ENSO index & maps
- Mean Sea Level
- Kuroshio index
- Ionian Sea index

Value-added products

- Lyapunov exponents or Filaments
 - Mesoscale eddy trajectory atlas
- 2018
- New NRT version of Lyapunov exponents or Filaments

Coastal – Ice – Hydrology products

- Coastal & Hydrology Geophysical Data Records
- Experimental Geophysical Data Records
- Coastal Sea Level Anomalies
- Sea ice product

2018

- New version of Coastal Sea Level Anomalies

Wave heights and wind speed

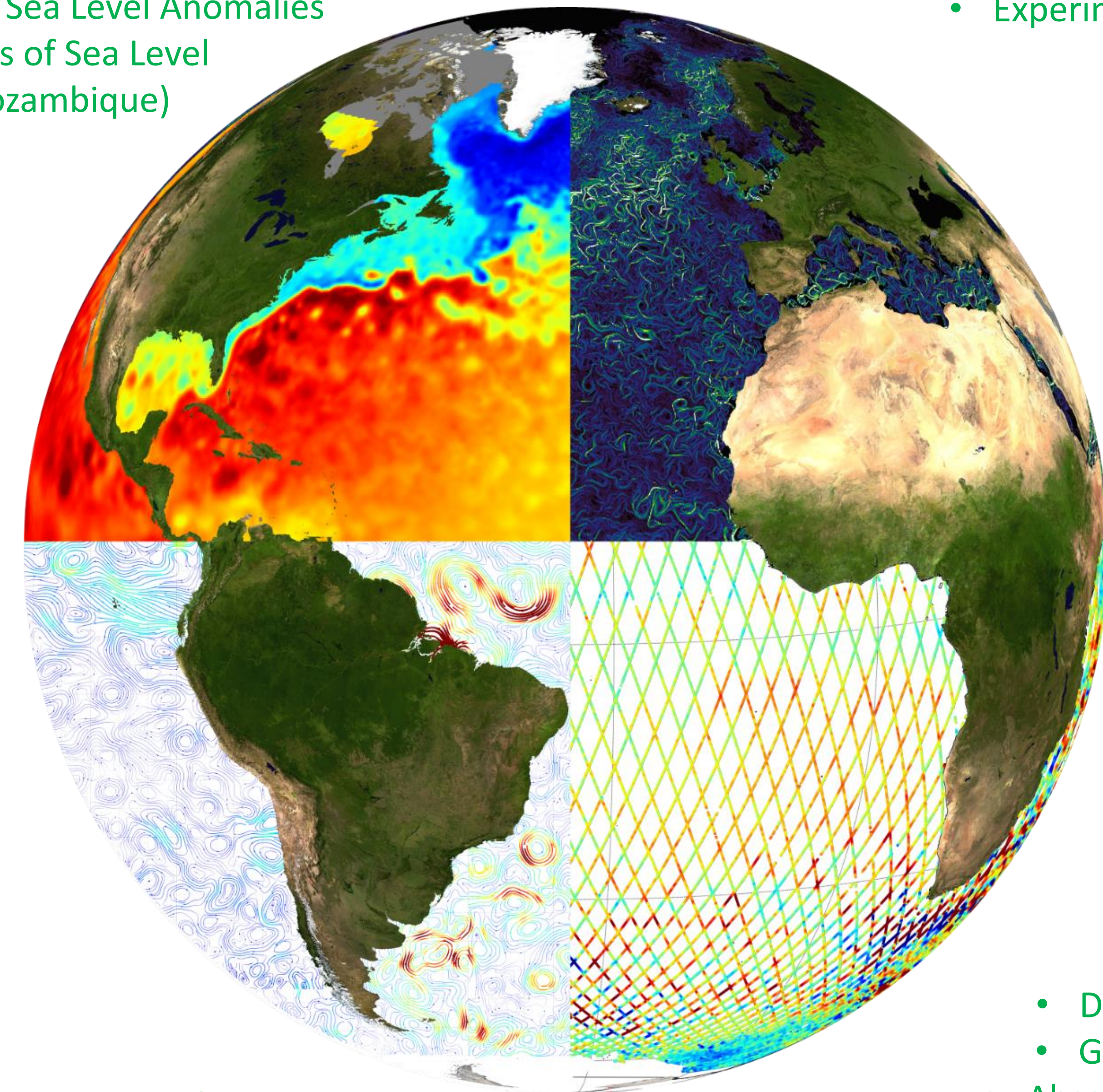
- Maps of SWH
- Maps of Wind speed

2018

- New Along-track Wave NRT for Sentinel-3A and Sentinel-3B

Auxiliary products

- Tidal model
- Mean Sea Surface
- Mean Dynamic Topography
- Dynamic Atmospheric Corrections
- GDP+ wet tropospheric correction
- Absolute calibration tide gauge series



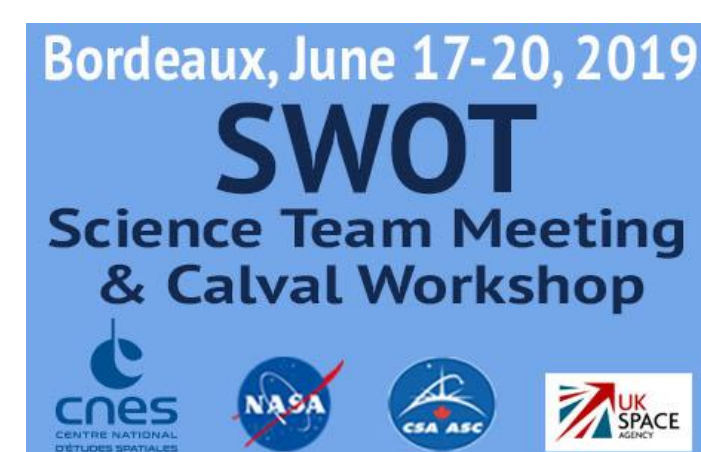
SWOT information

- SWOT Science team will be held in June 2019 in Bordeaux

- Web site animation: 5 images of the month

- A dedicated page about [the future products](#)

- Document about [Altimetry in hydrology](#) dedicated to hydrologists



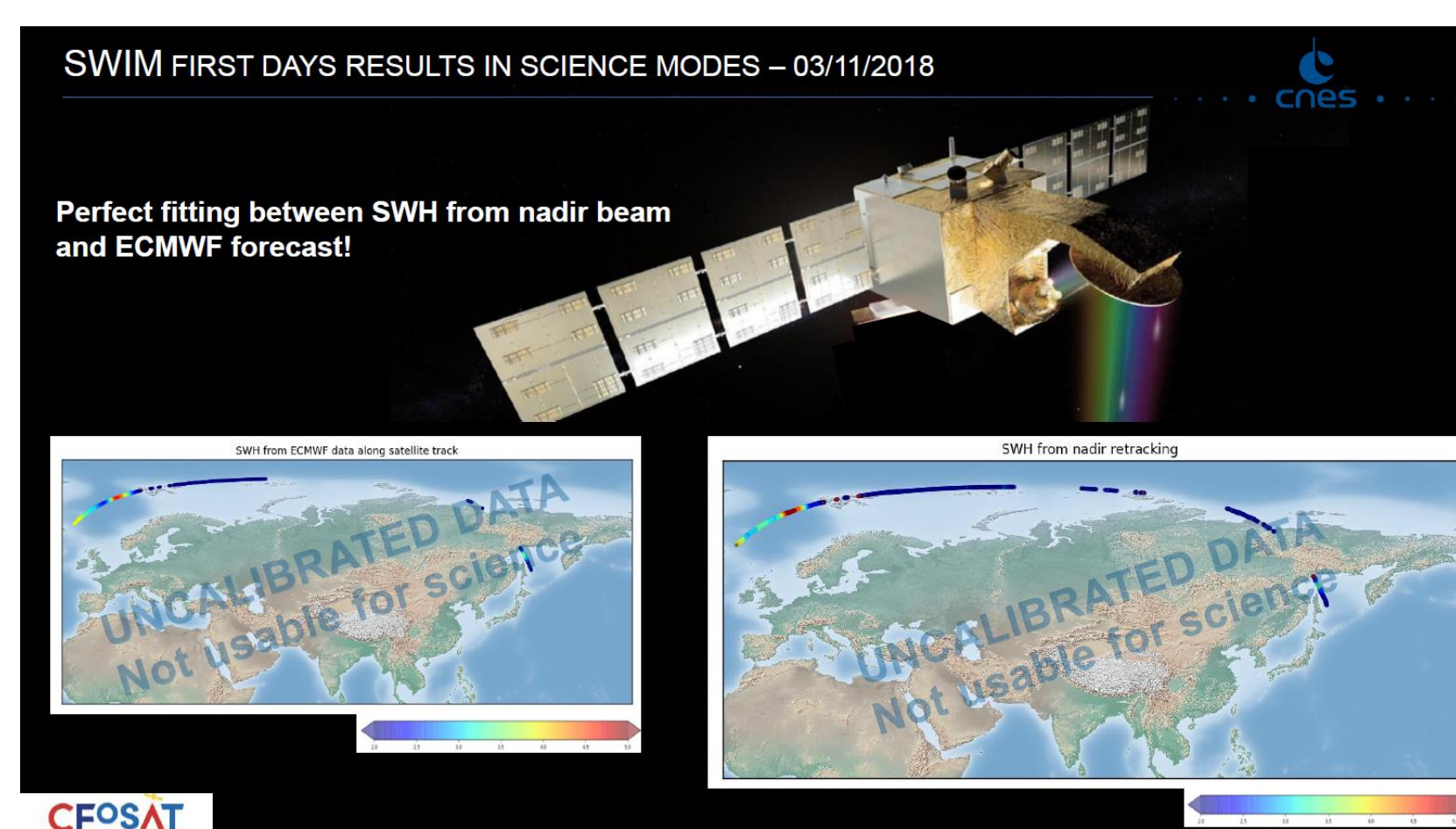
Coming soon

- Information about hydrology dedicated to teachers
- Information about hydrology dedicated to general public
- A dedicated web page about the instruments
- A dedicated web page about mission progress
- Web site animation

CFOSAT

- Launched on October 2018 with SWIM and SCAT instruments

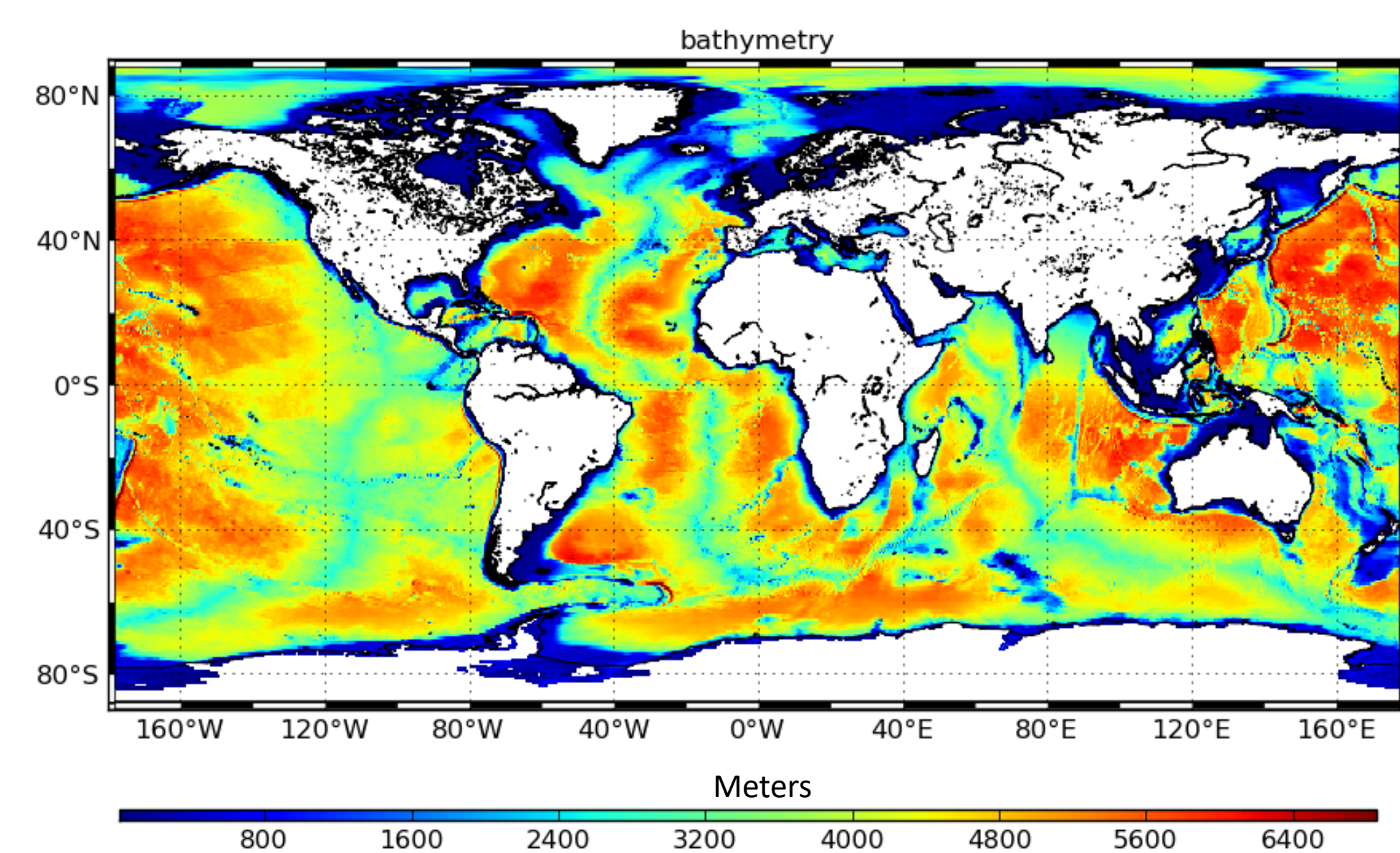
- End of Commissioning phase on December: great results for the first wave products evidencing SWIM perfect behaviour. The SCAT scatterometer dedicated to the ocean surface wind measurements is also operational and works properly



- The Calibration/validation phase is on-going until Summer 2019

Upcoming products

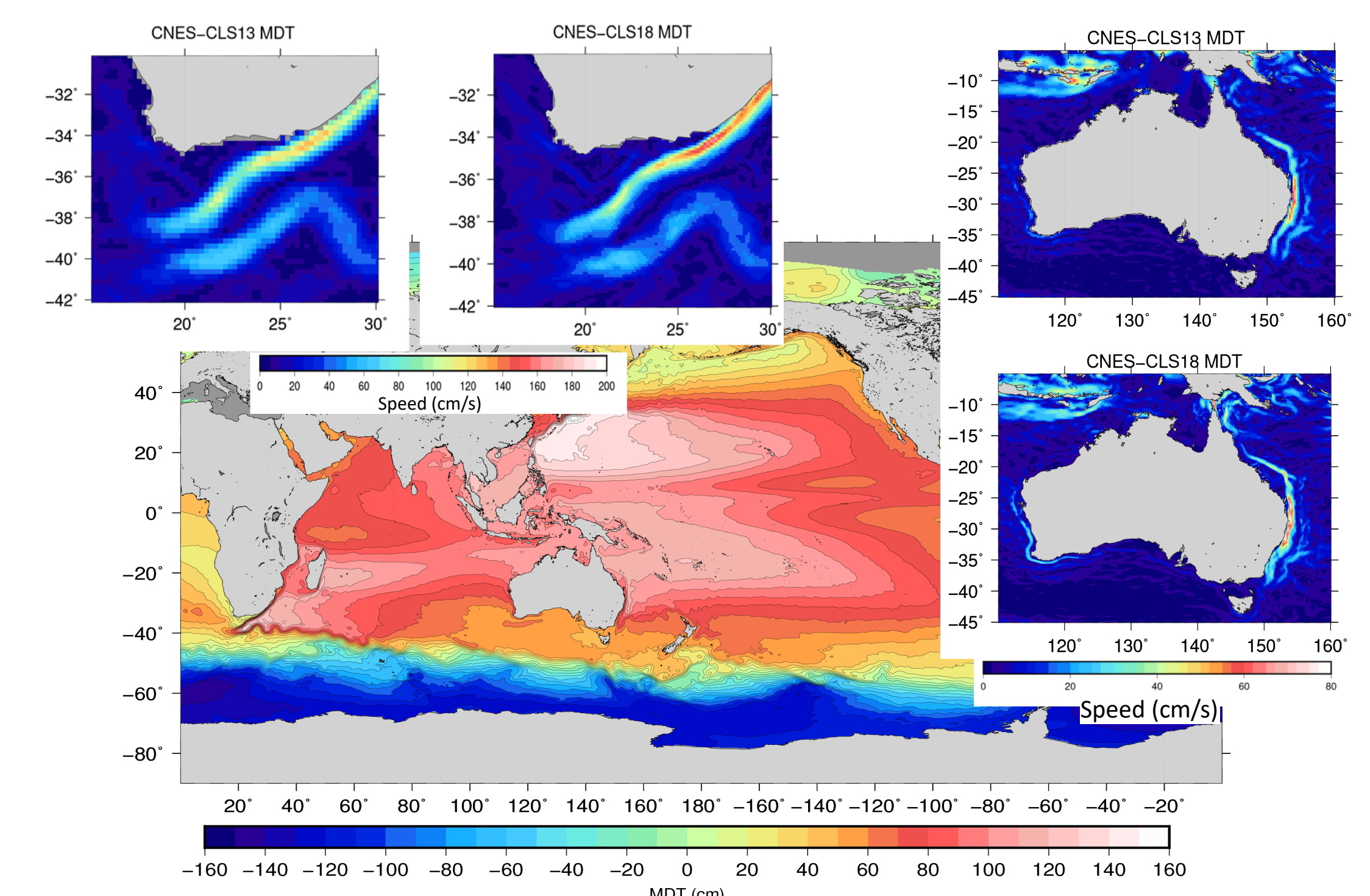
- New NRT Eddy trajectory atlas
- CFOSAT (L1 and L2) SWIM (WAVE) products
- Tidal constants from CTOH
- Cnes Bathymetry from FES14 tidal model
- Sea Ice: new L3 products
- (Carrère, Lyard et al., OSTST 2015)



Upcoming upgrades & reprocessing

- New version of Sea Ice products
- New Jason-3 mission for L2P WAVE products
- New Jason-3 mission for L2P SLA NRT/STC products
- New MSS version (Schaeffer et al., OSTST 2018) in preparation. It will be calculated with 25 years of altimeter data containing the new DUACS2018 standards. It will be improved thanks to the use of the historical missions ERS-1, TOPEX/Poseidon, ERS-2, Envisat, Geosat Follow On, Jason-1 on one hand and on the other hand, shortest topographic structures will be improved in particular with the missions Jason-2, SARAL/AltiKa, Sentinel-3A, Cryosat-2.
- New version of X-TRACK products
- New version of Mozambique products
- New GDR reprocessings for SARAL/AltiKa & TOPEX/Poseidon missions

- New MDT version CNES_CLS18 (Rio et. Al, OSTST 2018) with for example significant improvements in strong energetic currents and coastal areas.



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