



The EU-GDAC and related SST activities at Ifremer

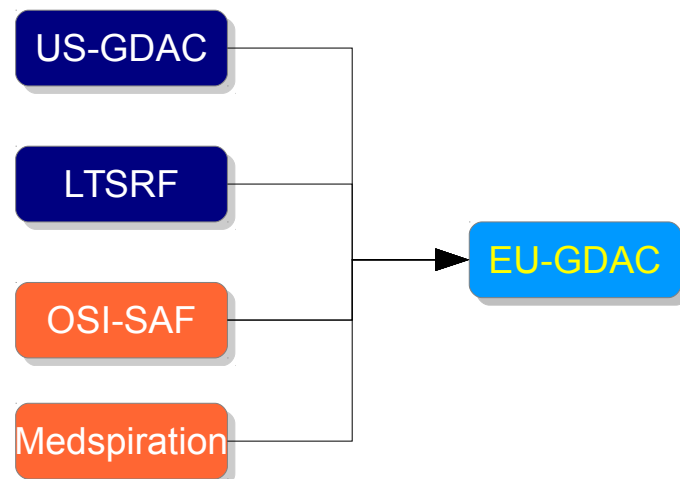
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Review of activities | GHRSSST XVII | Whashington DC | 5th June 2016



- Ifremer Satellite Data Center (CERSAT) operates a RDAC/GDAC center since Medspiration (2005)
- Operates as RDAC for O&SI SAF, push to US-GDAC mirror
- Additional products from ESA funded Medspiration project (ODYSSEA)
 - Regional analysis : Global analysis, Mediterranean Sea, South Africa
- Mersea *aka* MyOcean *aka* MyOcean2 *aka* CMEMS, under Copernicus (ex-GMES)
 - multi-sensor global L3 and North Western Shelves regional annalysis
 - Ifremer is no more operating as a dissemination unit for CMEMS products since beginning of this year
 - Role transferred to CNR (Italy) in feb.2016 – will become a new RDAC
- Mirror some datasets from other RDACs/GDAC
 - support projects requiring combination of multiple sources of data, microwave data, etc...
 - Multi-sensor match-ups

- Combines both short-term and long-term data storage
 - Complete data archives
 - No tape back-up for data accessible at other distribution points (but replication)
 - Critical datasets are backed-up and alternative redundant storage and distribution is set-up (latest day of data)
- Restricted access to datasets not authorised for third party distribution (internal usage or for projects)
- Provides access to data that are not available in other DACs

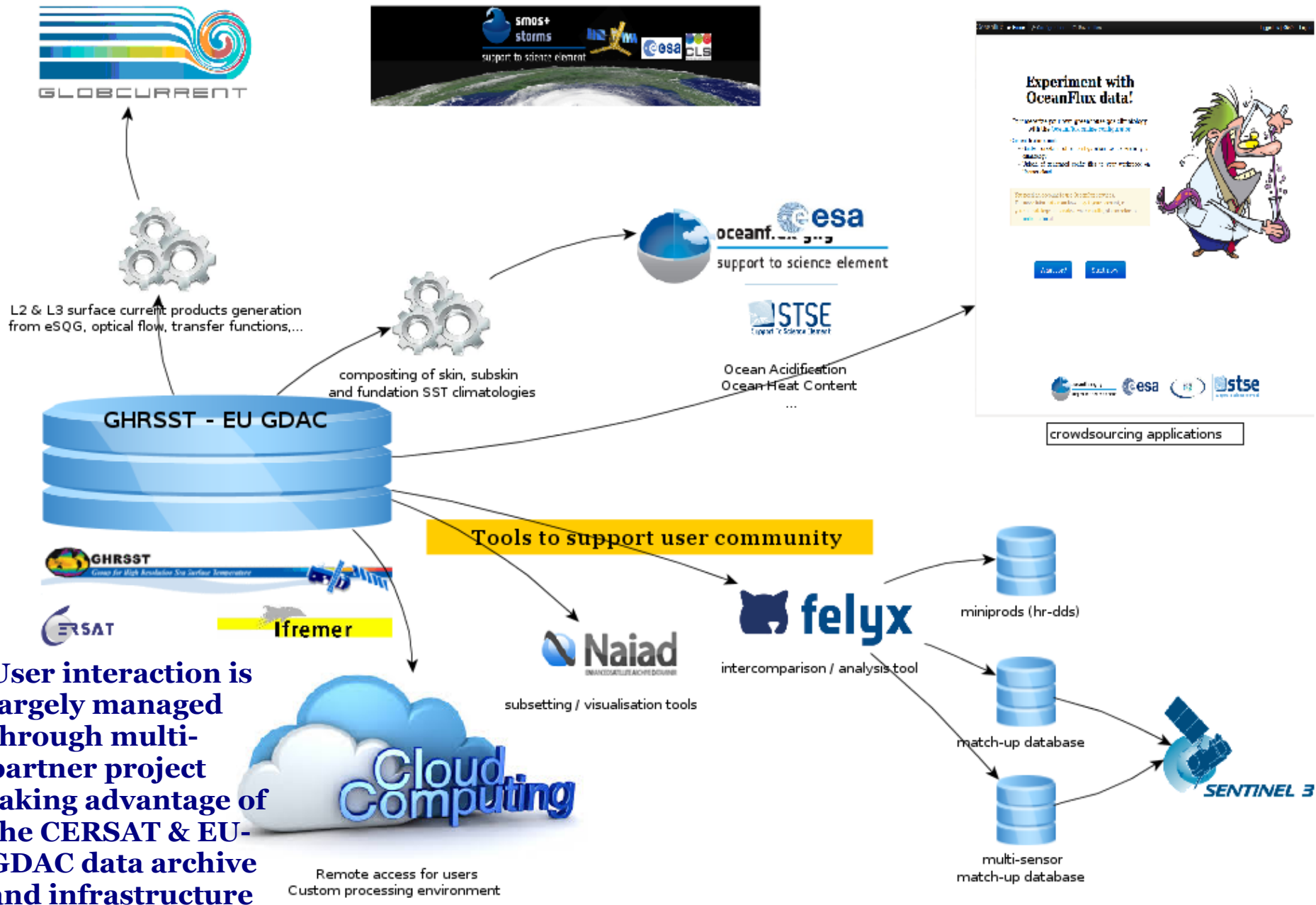




Currently available products at GDAC	Producer	Status
MODIS L2P Aqua	NASA/JPL	
AMSR-2 L2P	REMSS	
AVHRR 19 LP2 GAC	NAVO	
AVHRR 19 L2P LAC	NAVO	
VIIRS L2P	NAVO NOAA/OSPO	
METOP-A AVHRR L2P	OSI SAF	Soon discarded
METOP-B AVHRR L2P	OSI SAF	Since 19 Jan.2016
METOP-A IASI L2P	OSI SAF	Discarded since 23 Feb.2016
METOP-B IASI L2P	OSI SAF	Since 19 Jan.2016
VIIRS L3P Near Atlantic Regional	OSI SAF	
MSG3 SEVIRI L3P	OSI SAF	
METOP-A L3P Near Atlantic Regional	OSI SAF	
METOP-B L3P Near Atlantic Regional	OSI SAF	
METOP-A L3P Global	OSI SAF	
METOP-B L3P Global	OSI SAF	
GOES13 L3P	OSI SAF	
Medspiration/ODYSSEA L4 Global 0.1 deg daily	Ifremer	
Medspiration/ODYSSEA L4 Mediterranean 0.02 deg daily	Ifremer	
Medspiration/ODYSSEA L4 South Africa 0.02 deg daily	Ifremer	
Medspiration/ODYSSEA L4 Brazil 0.02 deg daily	Ifremer	
CMEMS/ODYSSEA L3 Global 0.1 deg daily	Ifremer	Transferred to CNR since feb 2016
CMEMS/ODYSSEA L4 Global L4 North Western Shelves 0.02 deg daily	Ifremer	
CMEMS / L4 Baltic 0.02 deg daily	DMI	
CMEMS / L4 Artic 0.02 deg daily	Met No	
CMEMS / L3 North-East Atlantic single & multi-sensor	Meteo-France	

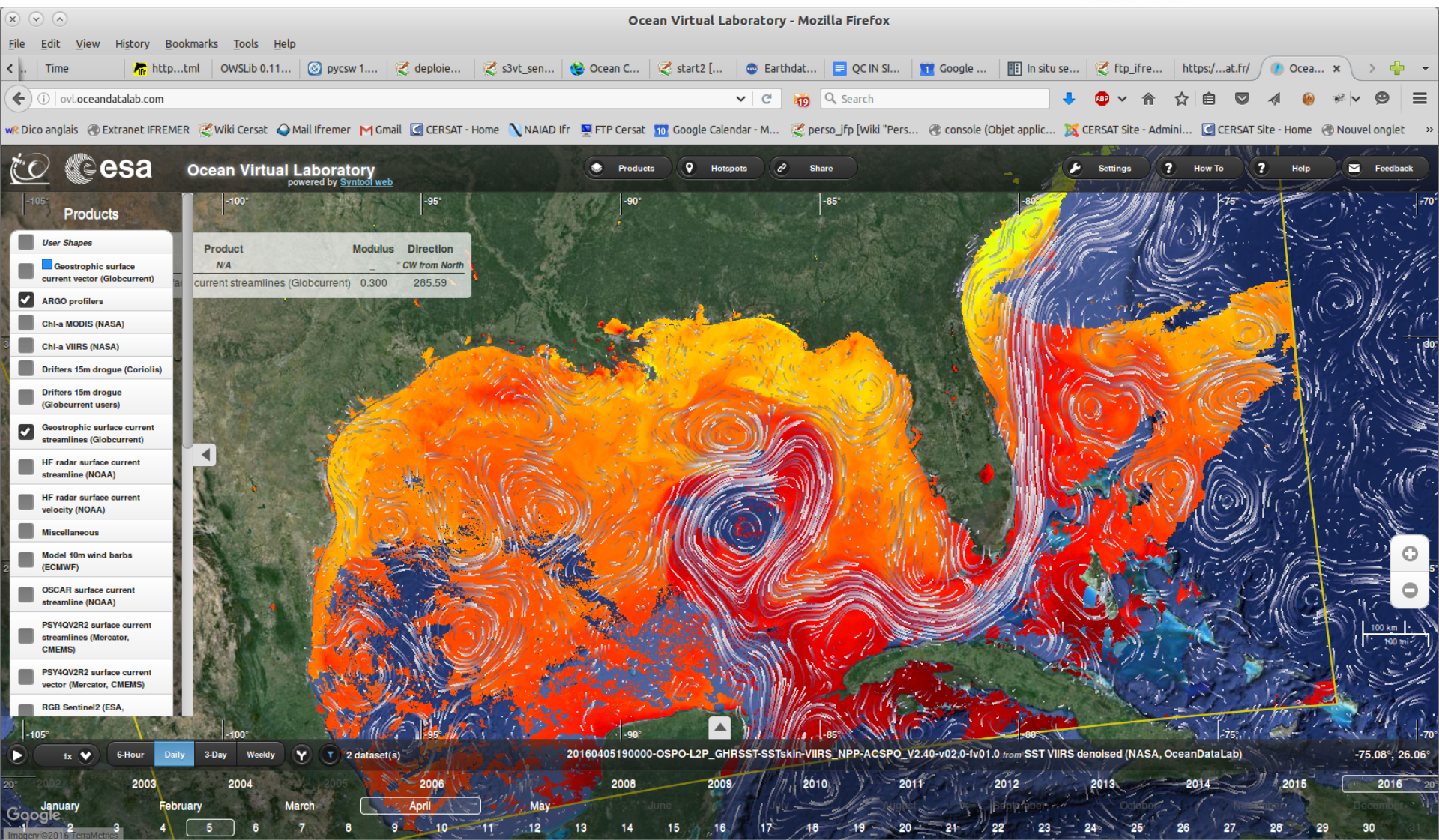


- <http://cersat.ifremer.fr/data/collections/ghrsst>
- Single login/password can be obtained on the main page
- Online catalogue
- Access through :
 - FTP & OpenDAP
 - Complete archive on Nephelae cloud
 - Duplicated FTP server for the latest data of critical datasets (O&SI SAF,)
 - Naiad on some specific datasets (<http://tinyurl.com/z9nf9z7>)
 - Complete collection of datasets when accessing through a cloud virtual server
- 5.46 TB / month
- 1 690 000 files /month
- 163 users registered (excluding OSI-SAF products users)
- In April 2016, this represented **50% of overall recorded FTP data transfers at Ifremer** (including other sat data, Argo GDAC, ...)





<http://ovl.oceandatalab.com>





- Implementation of new R/GTS interfaces will be done
- (EU-)GDAC concept may become obsolete
 - But aggregation of different GHRSSST datasets “of interest” will remain
=> duplication of some datasets (or subsets of datasets) with different services associated, data location does not matter, authorship does
 - Improve visibility of GHRSSST dataset (re)distribution policy is needed
 - Difficult to maintain a GDAC structure with different datasets status (some can/can't be redistributed, registration/no registration, ...)
- Distributed data access is OK but not for processing : a “GHRSSST cloud” would be of interest
 - remote processing capabilities, validation data, tools, ... as a way to improve uptake by users – could be a shared investment.