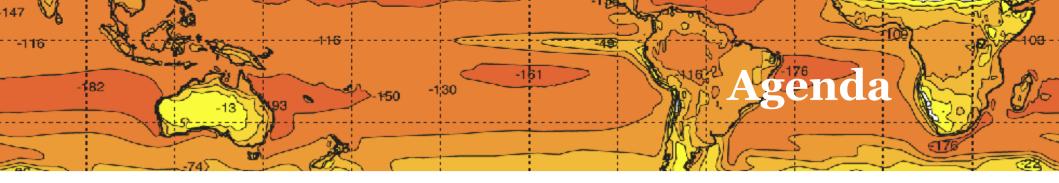
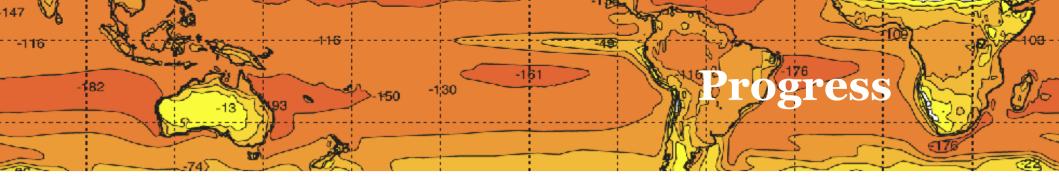


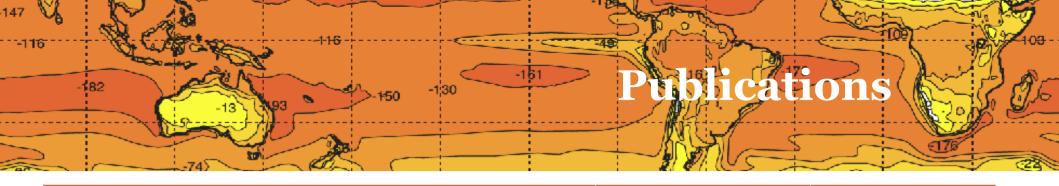
Progress meeting



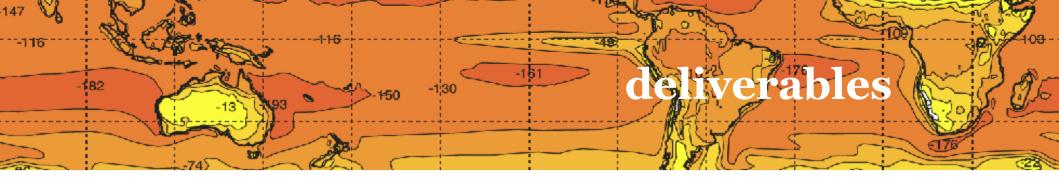
- Introduction, status and progress over the last months : Jean-François (5-10 min)
- Status of EO gathering, archiving, and availability : Antoine (5 min)
- Status of the homogenization of turbulent fluxes : Abderrahim (+ reporting for Antoine, Sergey) (5 min)
- Status of the sensitivity examinations: Shubha, Hayley (10 min)
- Status of the generation of regional heat constraints for the cage study : Karina (+ reporting for Maria, Keith (10 min)
- Status of the sensitivity studies and algorithm improvement : Abderrahim (+ reporting for Axel), (10 min)
- Status of the use improved retrieval methods for wind speed and humidity : Abderrahim (10 min)
- Status of the evaluation data sets and error characteristics : Rick (10 min)
- Status of OHF portal : Jean François (5 min)
- Plans (tasks, future meetings, ...) (5 min)
- Actions, AOB



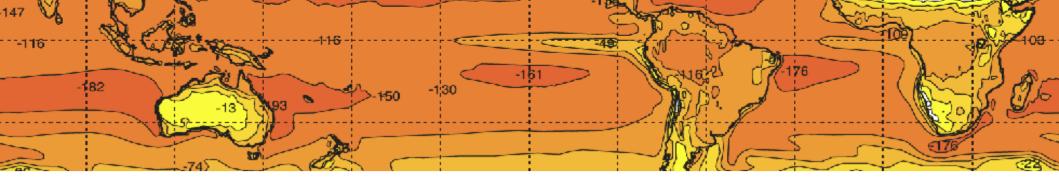
- Re-organization of workpackages
- WP-1 : Scientific Requirements Consolidation
 - Delivery of requirement baseline (All)
- WP-2 : Reference Data Set Generation
 - Collection of input EO data and existing fluxes (Ifremer)
 - Improved wind speed and humidity retrieval (Ifremer)
 - Homogenization of data (Ifremer, Serguey)
- WP-3 : Product Generation, Inter-Comparison and Uncertainty Characterizations
 - Sensitivity studies (Ifremer, PML)
 - Cage analysis (MIO)
 - Triplet colocation (NERSC)
- WP-4 : Data Portal Development



Reference	Authors	Status
TIE-OHF: towards improved estimates of ocean heat flux, Flux News, A. Bentamy and K. von Schuckmann, Issue 7, February 2015	A Bentamy K Von Schuckmann	Published
Towards improved estimates of ocean heat fluxes, Bentamy, A., Von Schuckmann, K., Piollé, J. F. SOLAS Newsletter 17 http://www.solas-int.org/publications/latest-newsletter.html	Bentamy A. Von Schuckmann K. Piollé J. F.	Published
Homogenization of Scatterometer Wind Retrievals , International Journal of Climatology	A Bentamy	In review
"Earth's energy imbalance: An imperative for monitoring", Nature Climate Change	K. von Schuckmann (MIO, France), M. Palmer (MetOffice, UK), K. E. Trenberth (NCAR, USA), A. Cazenave (LEGOS/CNES, France), D. Chambers (USF, USA), N. Champollion (ISSI, Switzerland), J. Hansen (UC, USA), S. Josey (NOC, UK), N. Loeb (NASA, USA),	submitted

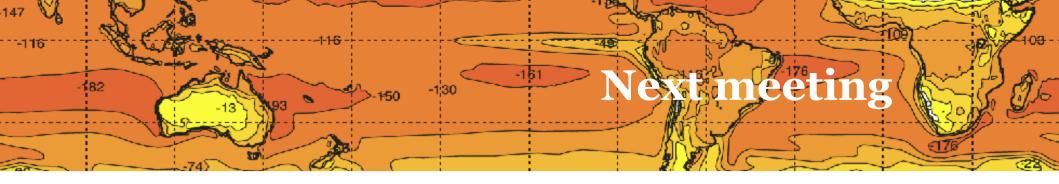


WP	Doc ref.	Description	Responsibl e	Due Date	Status				
Scientific Requireme	Scientific Requirements Consolidation								
1	D1.1	Requirement Baseline Document	A Bentamy IFREMER	KO+4	V2.1 provided				
Reference Dataset G	eneration								
2	D2.1	Reference Dataset	A Bentamy IFREMER	KO+6	Initial version completed.				
Product generation,	inter-comp	arison and uncertaint	y characterisa	ation					
3	D3.1	Flux Assessment Report	K. Von Schuckman n	KO+11 KO+24	Delayed to October				
3	D3.2	Product Handbook	A Bentamy IFREMER	KO+10 KO+23	Requires datasets to be produced. Postponed to end 2015				
3	D3.3	Flux Product Dataset	A Bentamy IFREMER	KO+10 KO+21	Postponed to end 2015				



Data Portal Development						
4	D4.1	Data Portal initial version at KO+3 for project communication, with presentation content, deliverables,blog, Updated regularly then.	JF Piollé IFREMER	KO+3 KO+8 KO+14 KO+18 KO+24	v1 provided	
Strategic Developmen	t					
5	D5.1	Scientific Roadmap	B Chapron IFREMER	KO+6 KO+18	end 2015	
Outreach and coordin	ation					
6	D6.1	Outreach Material		KO+11 KO+24	presentation, newsletters	
6	D6.2	Final Workshop Report	A Bentamy IFREMER	KO+24		
6	D6 6	Riannual newsletter	P Danielson	Every 6 months		

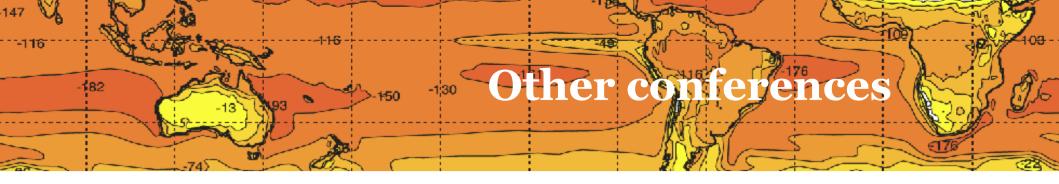
		Report	IFREMER		
6	D6.6	Biannual newsletter	R Danielson NERSC	Every 6 months	
6	D6.7	Project brochures	R Danielson NERSC	Every 6 months	



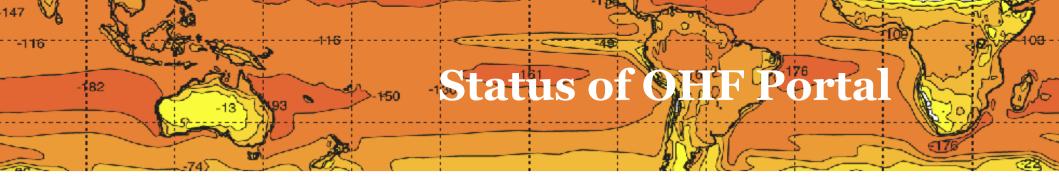
Meeting	Venue	Date	Description	Status
КО	IFREMER	КО	Kick-off meeting	Completed
PM1	IFREMER	KO+7	Progress meeting 1	Completed
PM2	ESRIN	KO+18	Progress meeting 2 => CLIVAR workshop 29/9 – 2/10	
Final workshop	IFREMER	KO + 21	Final project workshop location TBD – joint conference	
FP	ESRIN	KO+24	Final Presentation Meeting – review of products, services, and remaining project deliverables. Analysis of project sustainability.	

147 %	116		
-116 Carden Cardon	Workshops a	-43	
-13			nces
74			

Workshop	Attendant	Status
Challenges of the surface energy budget and proposed ways forward, K. von Schuckmann, S. Josey, S. Gulev, K. Trenberth, CA. Clayson, PP. Mathieu, M. Wild <i>EGU, Vienna, 12-17 April 2015</i>	K Von Schuckmann	Presented
The Net Energy Budget at the Surface Interface of the "Cold Tongue" Region, Abderrahim Bentamy, Rachel T. Pinker, Banglin Zhang, Anita D. Rapp and Yingtao Ma. <i>EGU (European General Assembly 12 – 17 April 2015, Vienna Austria)</i>	R. Pinker (OHF expert)	Presented
Towards Homogenization of Scatterometer Wind Retrievals, Abderrahim Bentamy, Semyon A. Grodsky, Bertrand Chapron, Anis Elyouncha IOVWST (19 - 21 May 2015 Portland USA)	A Bentamy	Presented
Session "The Earth's energy imbalance and exchanges at the atmosphere-ocean interface: from fundamental research to societal concern" "Our common future under climate change", Paris, 7-10 July 2015, http://www.commonfuture-paris2015.org/	K Von Schuckmann	Accepted
joint CLIVAR RF CONCEPT-HEAT/CLIVAR GSOP/COST ES1402 workshop UK Met Office, Exeter, 28 Sept02 Oct.	A Bentamy K Von Schuckmann	Accepted
SOOS - Air-Sea Fluxes for the Southern Ocean: Strategies and Requirements for Detecting Physical and Biogeochemical Exchanges, Frascati, Italy, September 21-23, 2015		
GEWEX (Earth Observation for Water Cycle Science 2015 20th-23rd October 2015 ESA-ESRIN, Italy)		
Oceanflux GHG & Ocean Heat Flux : an open collaborative research framework for ocean fluxes , Open Science 2.0	JF Piollé	Submitted



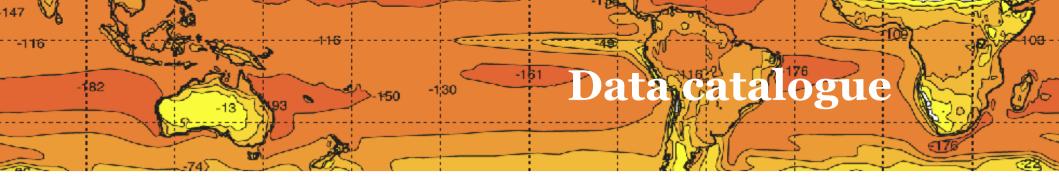
- SOOS/WCRP/ESA workshop on Southern Ocean air-sea fluxes : Frascati, Italy, 21-23 September, 2015
- Workshop on energy flow through the climate system: 29 September - 01 October 2015 MetOffice - Exeter - UK
- GEWEX (Earth Observation for Water Cycle Science 2015 20th-23rd October 2015 ESA-ESRIN, Italy)



http://www.oceanheatflux.org/

Each project member should have a login/password. If you don't please contact me.

Allows access to private areas (documents)



• Internal (DARD) :

https://docs.google.com/spreadsheets/d/1 yIULG83nOD4C5wbBc-a4nkIs6lEnVi_EBXdLHgk 4Rs/edit#gid=0

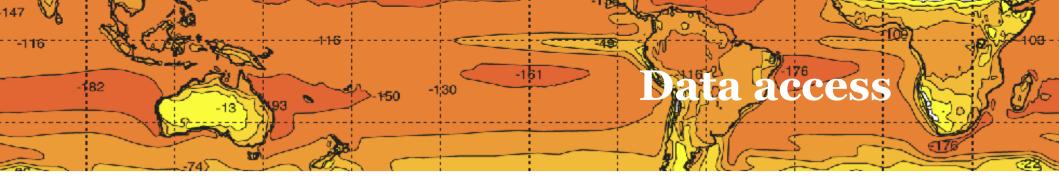
- Update with new requested sources of data

 Vocabulary and units : https://docs.google.com/spreadsheets/d/1n 5xlMe7G_IeWXT9obrVKveZg3mgqP1H9IoqrS1los Q/edit#gid=0

- Please report any missing variable

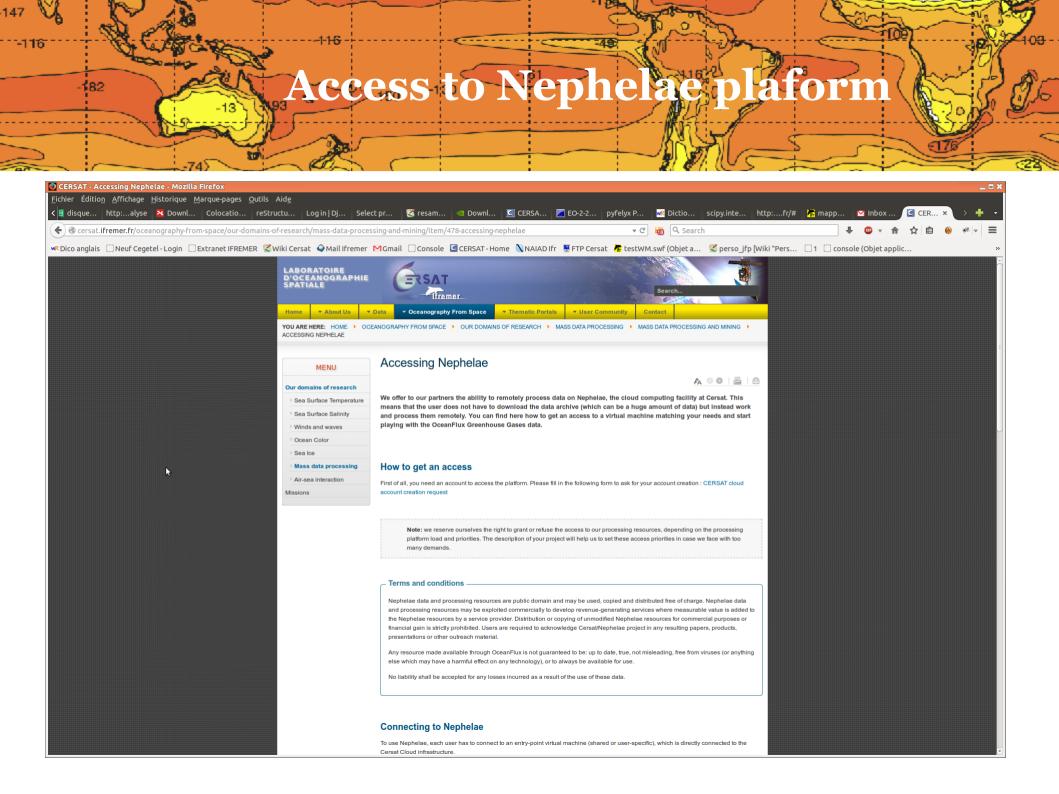
• External users :

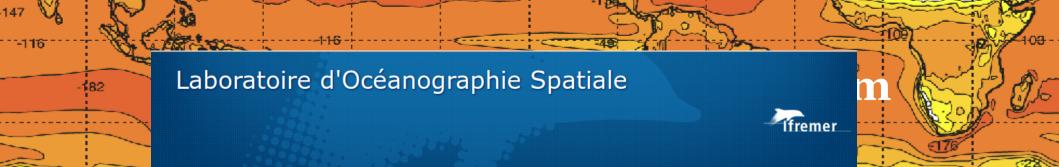
http://www.oceanheatflux.org/index.php/data/



ftp://o1ef56:DeJd6uNv@eftp.ifremer.fr/oceanheatflux

- OpenDAP possible
- Direct remote access on Nephelae (« sandbox »)





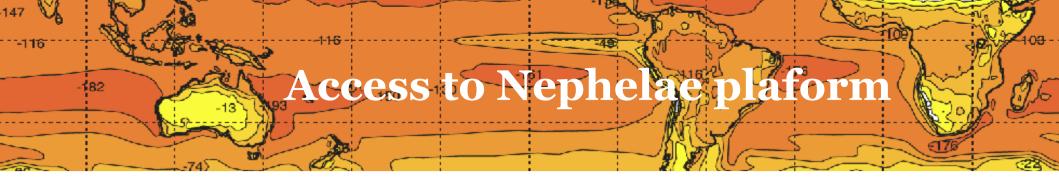
Cersat Cloud - Account Creation Form



Please note that we reserve ourselves the right to grant or refuse the access to our processing resources, depending on the processing platform load and priorities. The description of your project will help us to set these access priorities in case we face with too many demands.

To create your Cersat Cloud account, please fill the following form :

Name *	
First name *	
Email *	
Phone number *	
Organization *	
Organization type *	 Private / Other Education / Research Government



Registration

http://forms.ifremer.fr/los/cersat-cloud-account-creation-form/

Confirmation email

Dear Sir,

- Here are your Ifremer Intranet account settings :
- * Login : mwarren / 7mw=rrz
- * SSH access authorized from IP 192.171.164.40 to :
- the oceanflux project shared entry point *vepoceanflux.ifremer.fr* (134.246.156.149), for basic ssh-only access
- your user-specific virtual machine : *br156-167.ifremer.fr* (134.246.156.167), for NX Client access.

To use your user-specific virtual machine, we recommand you to install the NX Client software to get a graphical remote desktop on the platform : http://www.nomachine.com/download.php

Once logged, you will find an OCEANHEATFLUX-DATA folder which contains some README.OCEANHEATFLUX.* and the data access.

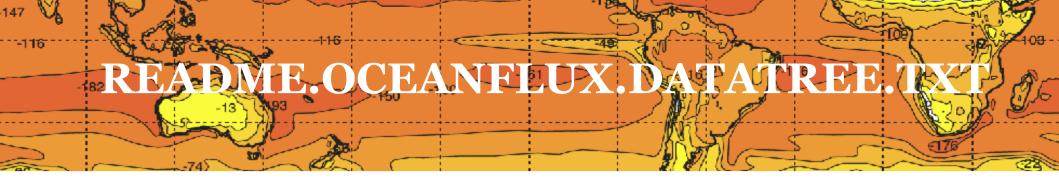


ssh -X <user>@<server address>

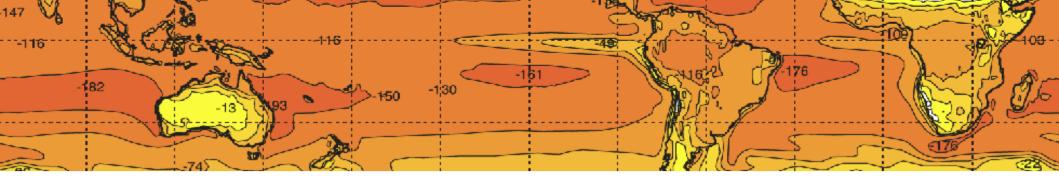


br156-167:~% ls OCEANFLUX-SHARED/*
OCEANFLUX-SHARED/src:
climatology socat

OCEANFLUX-SHARED/workspace: climatology lgoddijn socat <u>br156-167</u>:~%



jfpiolle@ananda/home/ananda/project/oceanflux/doc/clim-processor
ichier Édition Affichage Rechercher Terminal Onglets Aide
oot@br156-108: ~ 🗱 root@br156-109: ~ 🗱 jfpiolle@ananda~/git/ 🗱 jfpiolle@ananda/hom 🗱 jfpiolle@br156-149~/ 🗱 root@br156-149: /ho 🗱 root@adonnante: /usr 🗱 jfpiolle@ananda/hom 🗱
his file was generated automatically using the folowwing command : tree -d sed -e 's/->.*//g
<pre>blended</pre>
— gpcp — climatologies
└── co2-flux │ └── global │ └── takahashi └── fronts └── global │ ── navo-avhrr └── ostia-gradients
composites air_pressure_at_sea_level
chlorophyll-a global globcolour colored_detrical_matter global globcolour
rain_rate salinity sea_ice_fraction
├── sea_surface_temperature ├── sigma0 └── significant_wave_height └── wind_speed
— insitu socat whitecap
L— atlantic L— noc — model



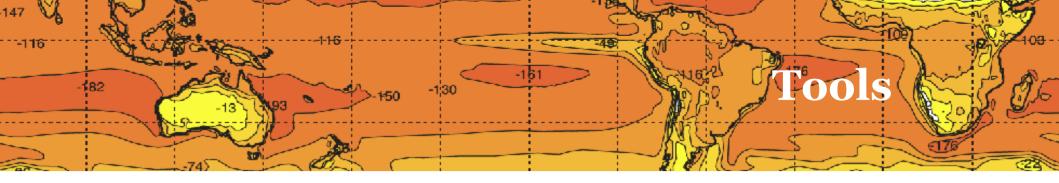
Loading the environment :

source /home/cercache/tools/environments/scientific_toolbox_cloudphys_precise/bin/activate.csh

Do some work in python

Rapatriate result

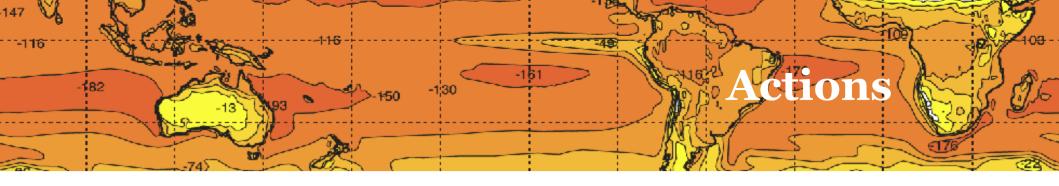
scp <user>@<server address>:<full directory to output>/*.nc .



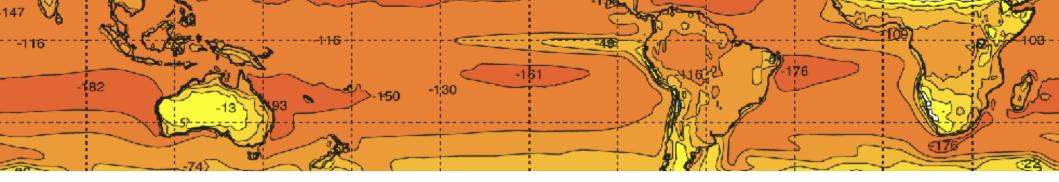
- Currently available on the platform (Ifremer)
 - Scientific python packages
 - Ifremer Cerbere library
 - Code for homogenization (no docs yet)
 - Code for colocation with buoys (needs more doc)
 - Code for selection of buoys suitable for flux calculation
- Tools to be collected and made available
 - Resampling from Sergey (got fortran code) (+resampling from cerbere library)
 - Flux calculation toolbox (ongoing transcoding into python) Ifremer
 - Cage calculation (MIO)
 - Pdf calculation (to be provided by Sergey)
 - Triplet colocation analysis (NERSC)
 - Ensemble analysis (Ifremer)



- « Flux cooking » interface (Ifremer) => based on OceanFlux experience
- Felyx (Ifremer) => 1st release just completed. Usage for OHF to be investigated in coming weeks.
- Visualization (ODL/Syntool and Ifremer/Calypso merge)



ID	RESPONSIBLE	DESCRIPTION	OPEN	DUE DATE	STATUS	COMMENT
1	IFREMER/AB	Provide MoM from Paris meeting PM1	26/01/15		Open	Done
2	IFREMER/JFP	Workpackage to be renamed conforming to IT ESA SoW tasks	26/01/15		Open	Done in updated PMP
3	IFREMER/AG	Add MERRA reanalyzes to reference dataset	26/01/15		Open	Done
5	IFREMER/AB	Double check the product rights and especially ERA Interim	26/01/15		Open	Done (data are transformed)
6	IFREMER/AG	Double check the version of each product and the associated DOI (if exists)	26/01/15		Open	Done
7	IFREMER/AB	Provide the accuracy requirements for LHF and SHF. The latter would be derived from peer review publications and from scientific project reports (e.g. http://lists-ioc-goos.org/goos-strategic-mapping-graphic/)	26/01/15		Open	Done
8	IFREMER/AG	Circulate the methods aiming at the homogenization of the flux products	26/01/15		Open	Done
9	IFREMER/AG	Foster interaction between NERSC and IFREMER aiming at comprehensive use of data and procedures including cloud procedure, Felyx, collocation, statistics	26/01/15		Open	Done



10	IFREMER/AB	Contact Dr Lisan YU for the updated OAFlux	26/01/15	Open	Requested but these data are still under validation and can not be distributed
11	MIO/KVS	Provide report summarizing the main tasks relied on D1.1 (services, methods,)	26/01/15	Open	Done
12	NERSC/RD	Provide a note aiming at the clarification of work performing by NERSC in collaboration with IFREMER	26/01/15	Open	Done in updated PMP
13	IFREMER/AG	Assessment of variable names (see CF convention)	26/01/15	Open	Done
14	IFREMER/AG	Check the use of zenodo	26/01/15	Open	DOI Ifremer available
15	IORAS/SG	Provide method and algorithms for PDF flux analysis	26/01/15	Open	Ongoing
16	IFREMER/AB	Contact Dr Shawn Smith from FSU for SAMOS data	26/01/15	Open	Done
17	IFREMER/JFP	Change project acronym from TIE-OHF to OHF	26/01/15	Open	Done in updated PMP
18	IFREMER/AB	Provide justification for flux datasets made available for OHF project	26/01/15	Open	Done