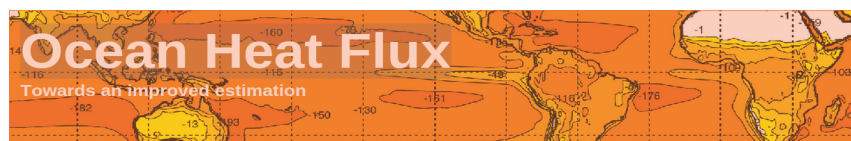


# OHF : Task 2

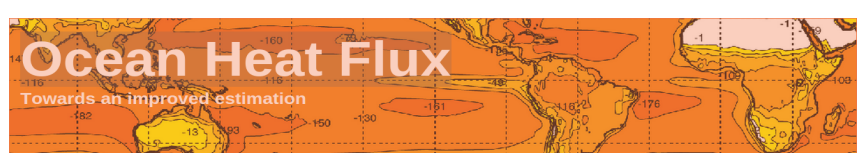
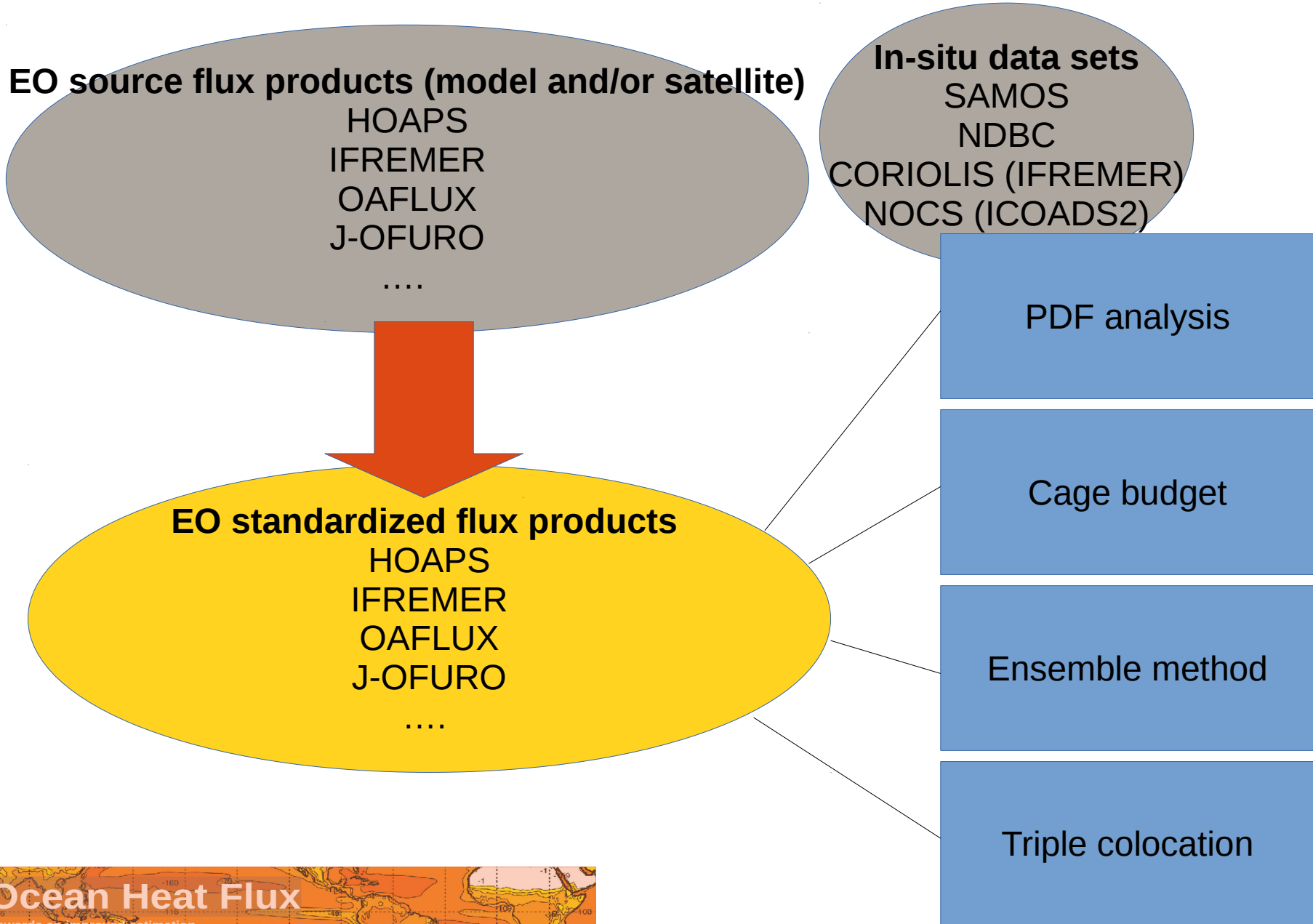
## Status of EO gathering, archiving, and availability

*Antoine Grouazel*

1. Data-sets status
2. Access to data

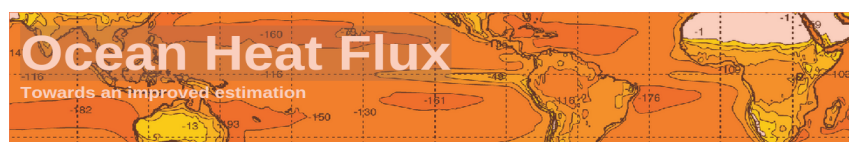
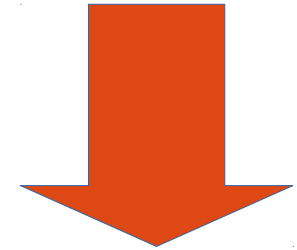


# Overview of task2 work-flow



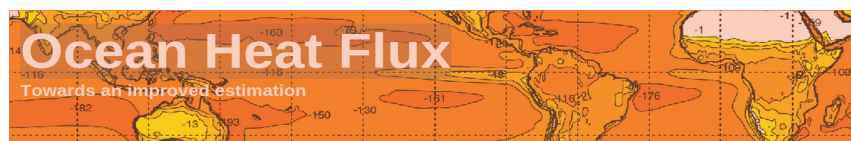
# OHF standardization

- File name standardized
- Variable name standardized
- Units standardized
- Same geo-location grid (daily,  $0.25^\circ \times 0.25^\circ$ )
- Re-gridding method: bi-linear interpolation using B-spline 3<sup>rd</sup> order (python lib `scipy.interpolate`)
- Same land-mask: MWF-ERS  $1^\circ$
- Same ice-mask: OSISAF sea ice fraction  $0.1^\circ$



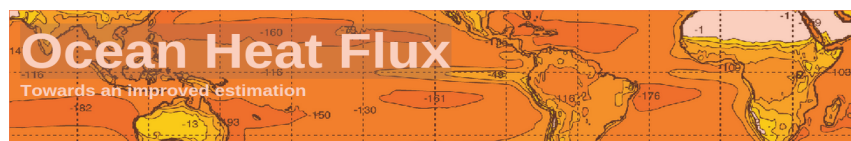
# Data sets status: 1

	version	standardisation	Référence on web-site / catalogue	Size	provider
IFREMER (FP1)	v4	OK	OK	188Go	IFREMER
HOAPS (FP2)	v2	need to update with new version	OK	121Go	CM SAF
SEAFLUX (FP3)	Feb 2012	OK	OK	54Go	WHOI
OAFLUX (FP4)	Oct 2009	OK	OK	120Go	WHOI
CFSR (FP8)		OK	OK	514Go	NCEP NCAR UCAR
MERRA	merra300.prod.assim			-	NASA
J-OFURO (FP5)	V1.5.2	OK	OK	72Go	Univ. Tokai
ERA INTERIM (FP7)	Bentamy v0.1	OK	OK	86Go	ECMWF



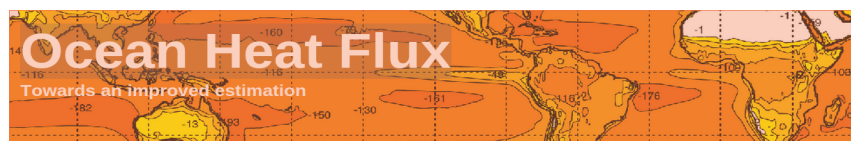
# Data set status: 2

- In-situ data sets
  - ICOADS2 NOCS are available (1992-2010)
  - SAMOS cruises are available
    - intermediate quality (2005-2015)
    - research quality (2007-2015)
  - PMEL buoys (TAO TRITON RAMA PIRATA) are available (daily retrieve + data format conversion)
    - ~120 buoys on tropics with all bulk parameters to compute fluxes
  - NDBC buoys compilation are available
  - CORIOLIS buoys compilation are available



# Data sets status: 3

- Remaining actions:
  - Correct file names of standardized data
  - Add wind speed in ERA Interim
  - Correct HOAPS time location 00h->12h



# Next steps

- Validation of STD data-sets: Colocation with buoys.
- Ensemble product creation.

