



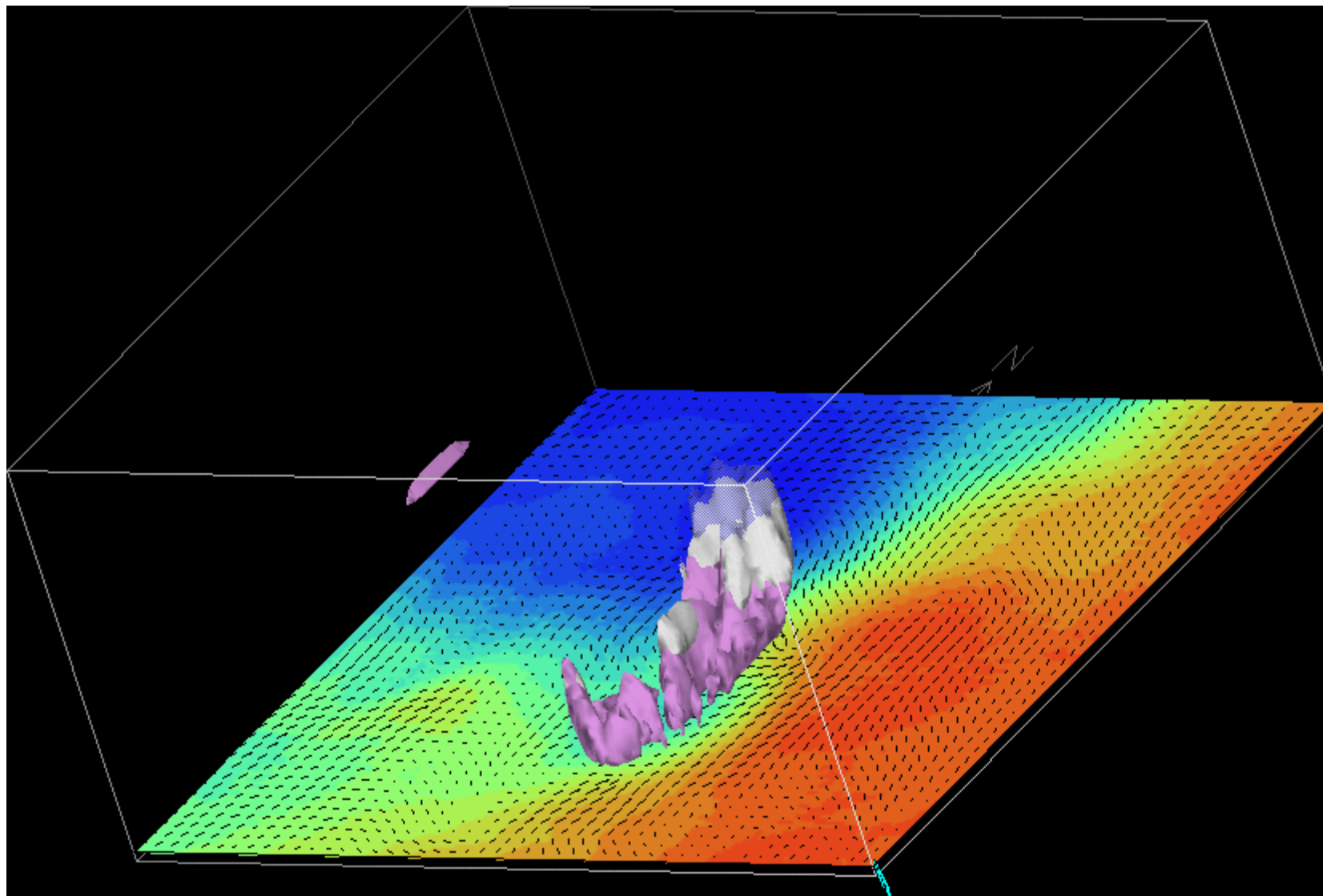
ADM-Aeolus Cal/Val Rehearsal Workshop

Welcome and Météo-France EO activities

Marc Pontaud

Toulouse, 28th March 2017

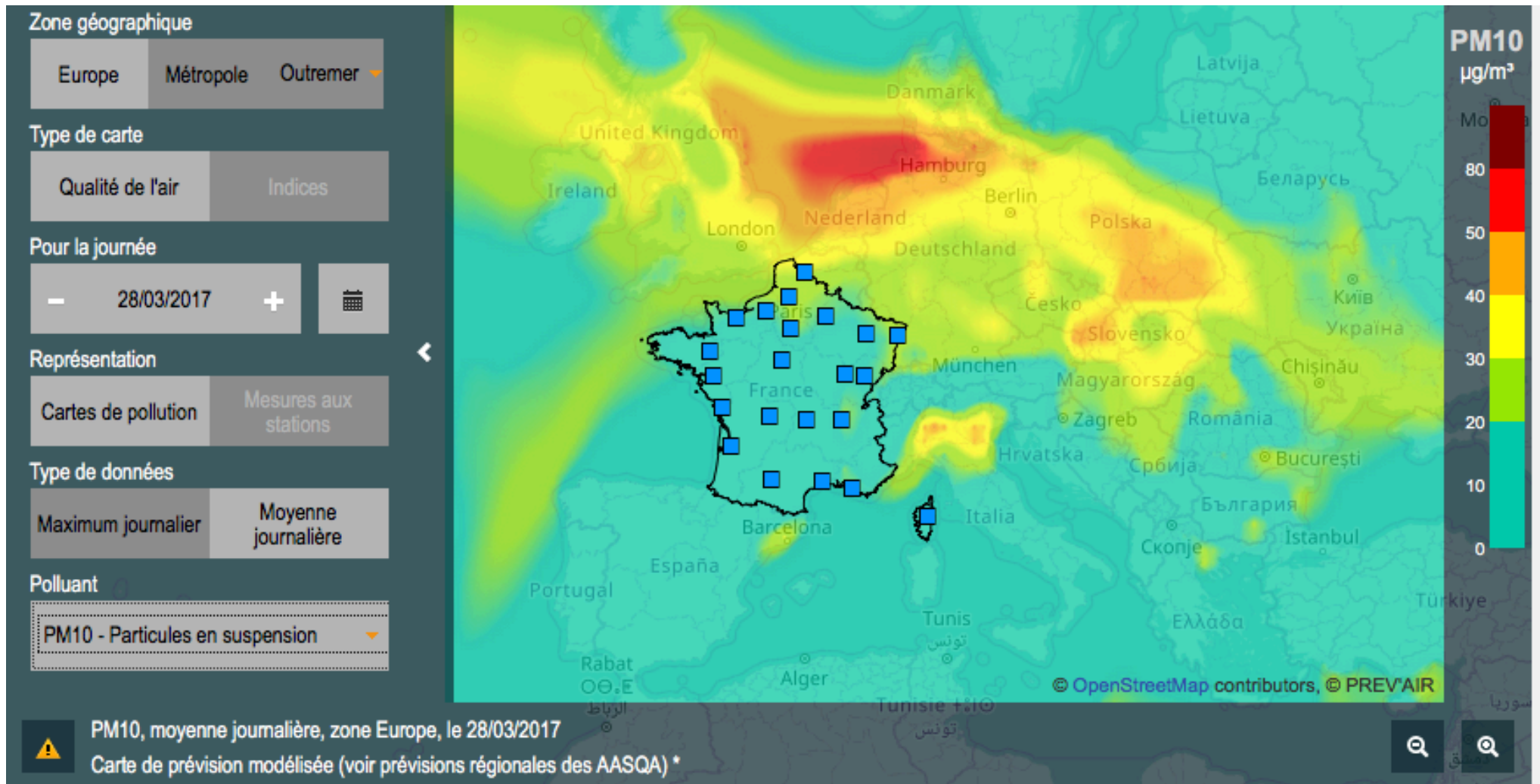
Weather Forecast



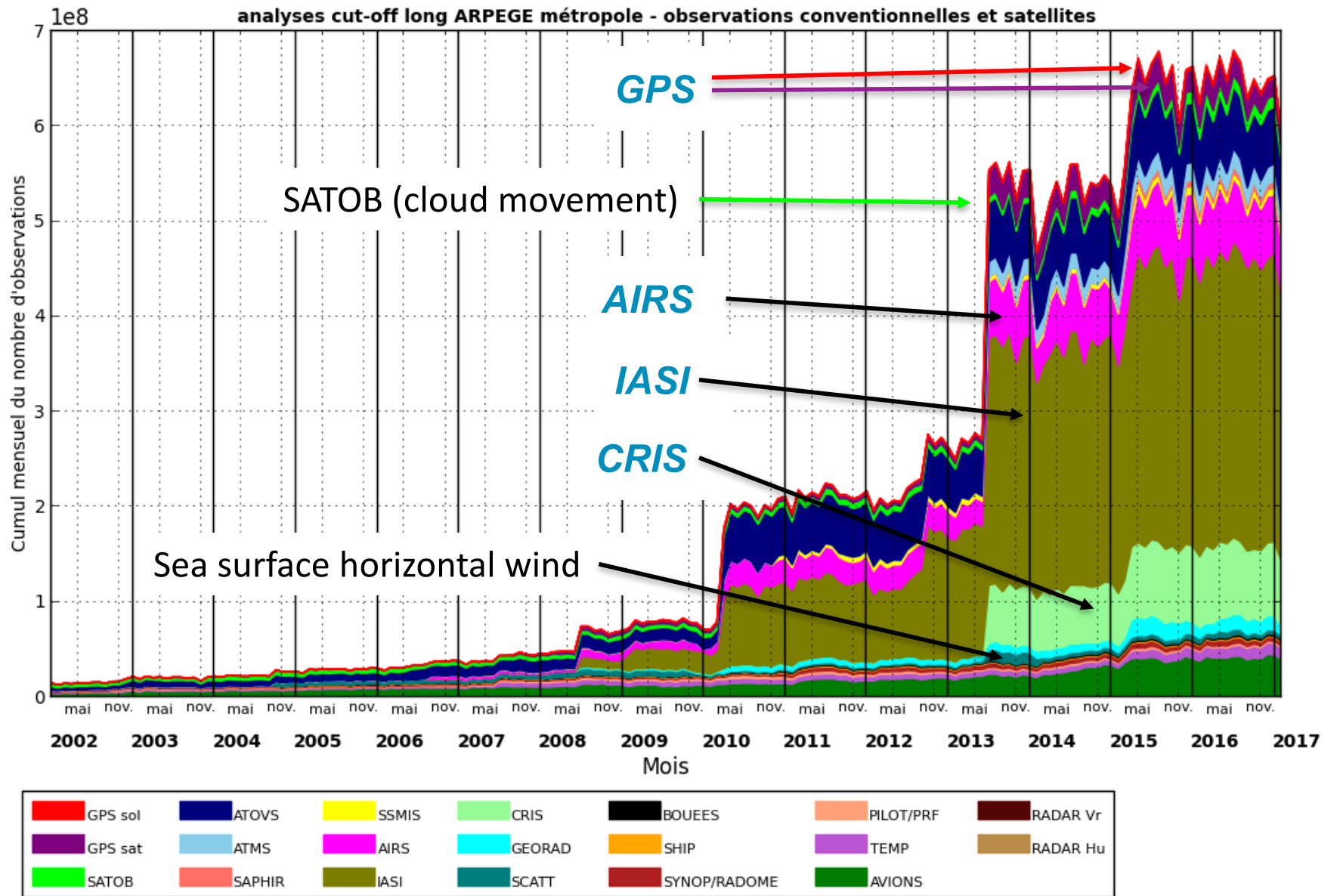
Sea and waves forecast



Air Quality also



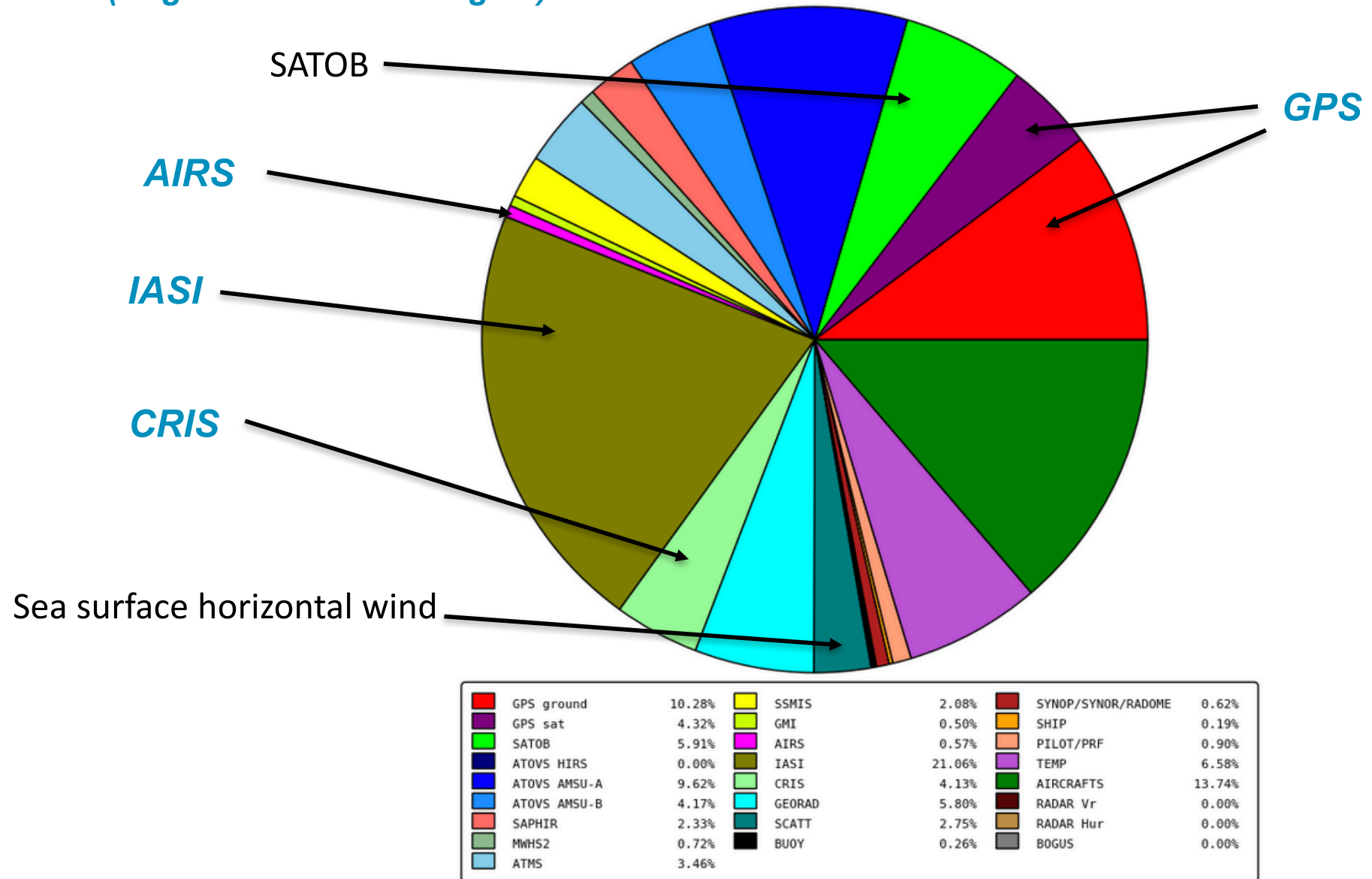
- ARPEGE (global model)



DirOP/COMPAS 02-mars-2017

ARPEGE (global model)

DFS (Degree of Freedom Signal)

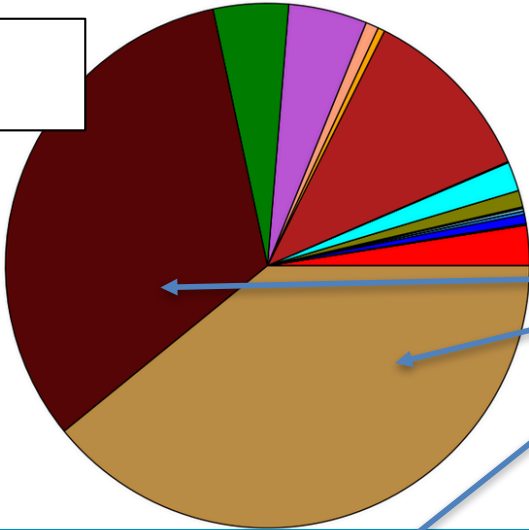


Proportions des nombres d'observations utilisees par type d'obs
 analyses cut-off AROME - AROME France dbi
 observations conventionnelles et satellites
 cumul du nombre d'observations utilisees sur la periode 2017020400 - 201702

AROME (regional model)

Proportions des nombres d'observations utilisees par type d'obs
 analyses cut-off AROME - AROME France dbi
 observations conventionnelles et satellites
 bre d'observations utilisees sur la periode 2017011900 - 2017011923 - 480530

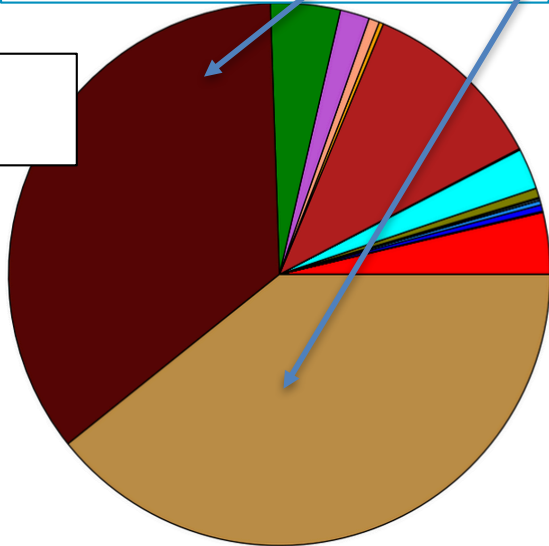
Nbr



RADAR ?

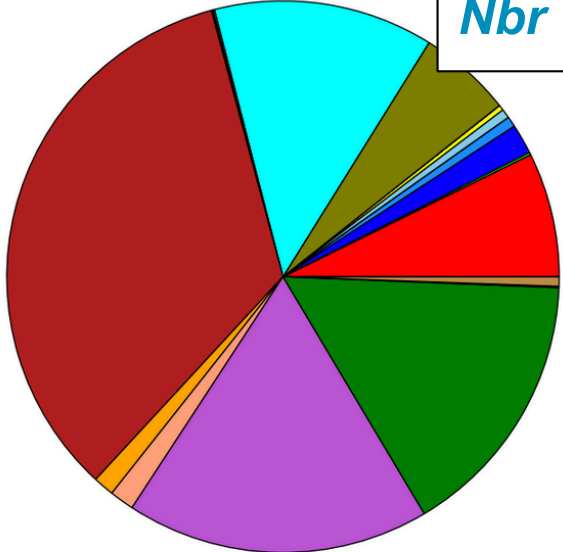
RAINY DAY

DFS



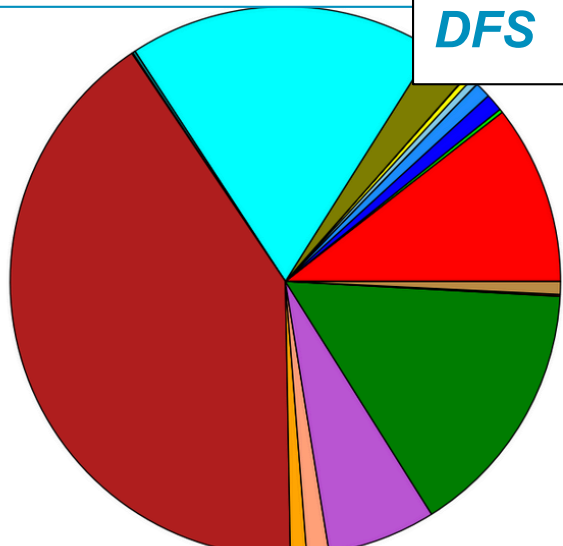
GPS ground	3.68%	SSMIS	0.06%	SYNOP/SYNOR/RADOME	11.06%
GPS sat	0.00%	GMI	0.01%	SHIP	0.26%
SATOB	0.07%	AIRS	0.00%	PILOT/PRF	0.64%
ATOVS HIRS	0.00%	IASI	0.57%	TEMP	1.75%
ATOVS AMSU-A	0.38%	CRIS	0.00%	AIRCRAFTS	4.17%
ATOVS AMSU-B	0.27%	GEORAD	2.44%	RADAR Vr	35.21%
SAPHIR	0.00%	SCATT	0.06%	RADAR Hur	39.26%
MHS2	0.00%	BUOY	0.01%	BOGUS	0.00%
ATMS	0.11%				

Nbr



DAY with NO RAIN

DFS



GPS ground	10.55%	SSMIS	0.33%	SYNOP/SYNOR/RADOME	40.87%
GPS sat	0.00%	GMI	0.03%	SHIP	0.95%
SATOB	0.21%	AIRS	0.00%	PILOT/PRF	1.30%
ATOVS HIRS	0.00%	IASI	2.52%	TEMP	6.37%
ATOVS AMSU-A	1.04%	CRIS	0.00%	AIRCRAFTS	15.21%
ATOVS AMSU-B	0.94%	GEORAD	18.16%	RADAR Vr	0.11%
SAPHIR	0.00%	SCATT	0.18%	RADAR Hur	0.76%
MHS2	0.00%	BUOY	0.05%	BOGUS	0.00%
ATMS	0.42%				





aeolus
because wind matters

*Wind profiles from the ground
up to 30 km*

But also AEROSOL

