



IOC



2013/14 IBPIO Inter-sessional Report

Graeme Ball & Gilbert Emzivat

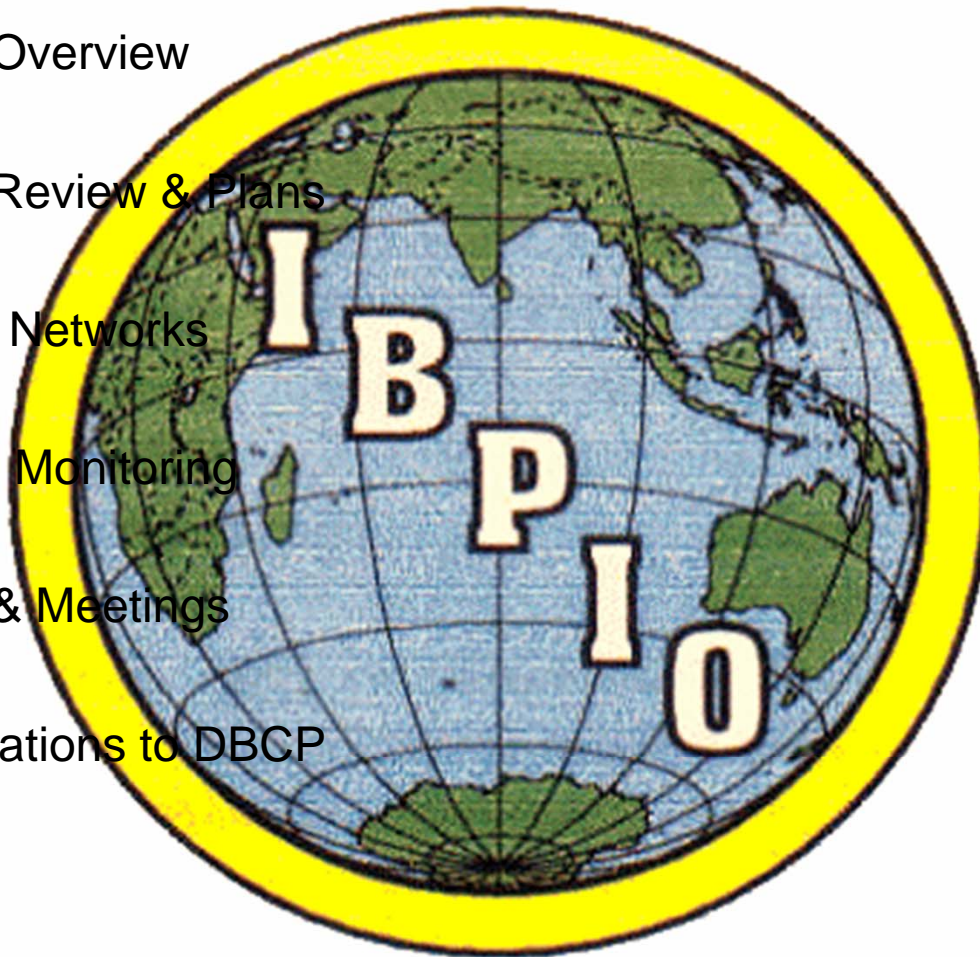
DBCP-30

27-31 October 2014, Weihai, China



Outline

- Programme Overview
- Programme Review & Plans
- Status of the Networks
- Performance Monitoring
- Participants & Meetings
- Recommendations to DBCP



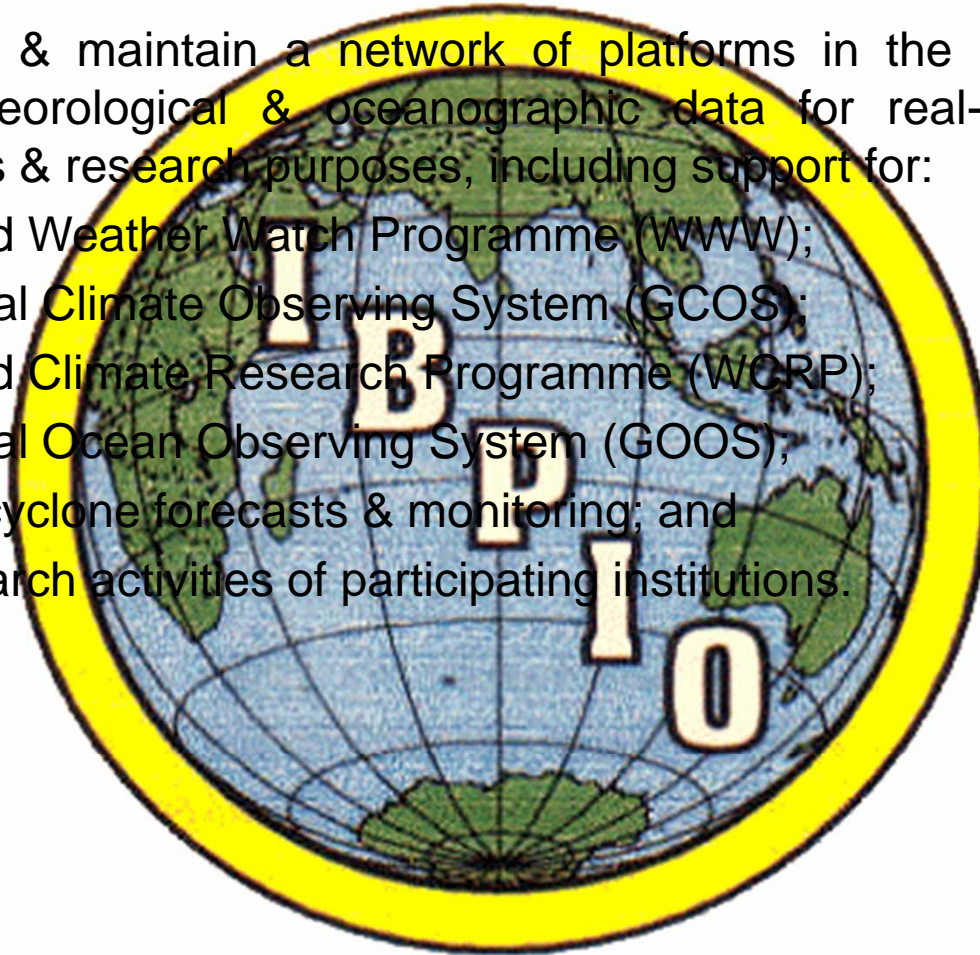
Programme Overview



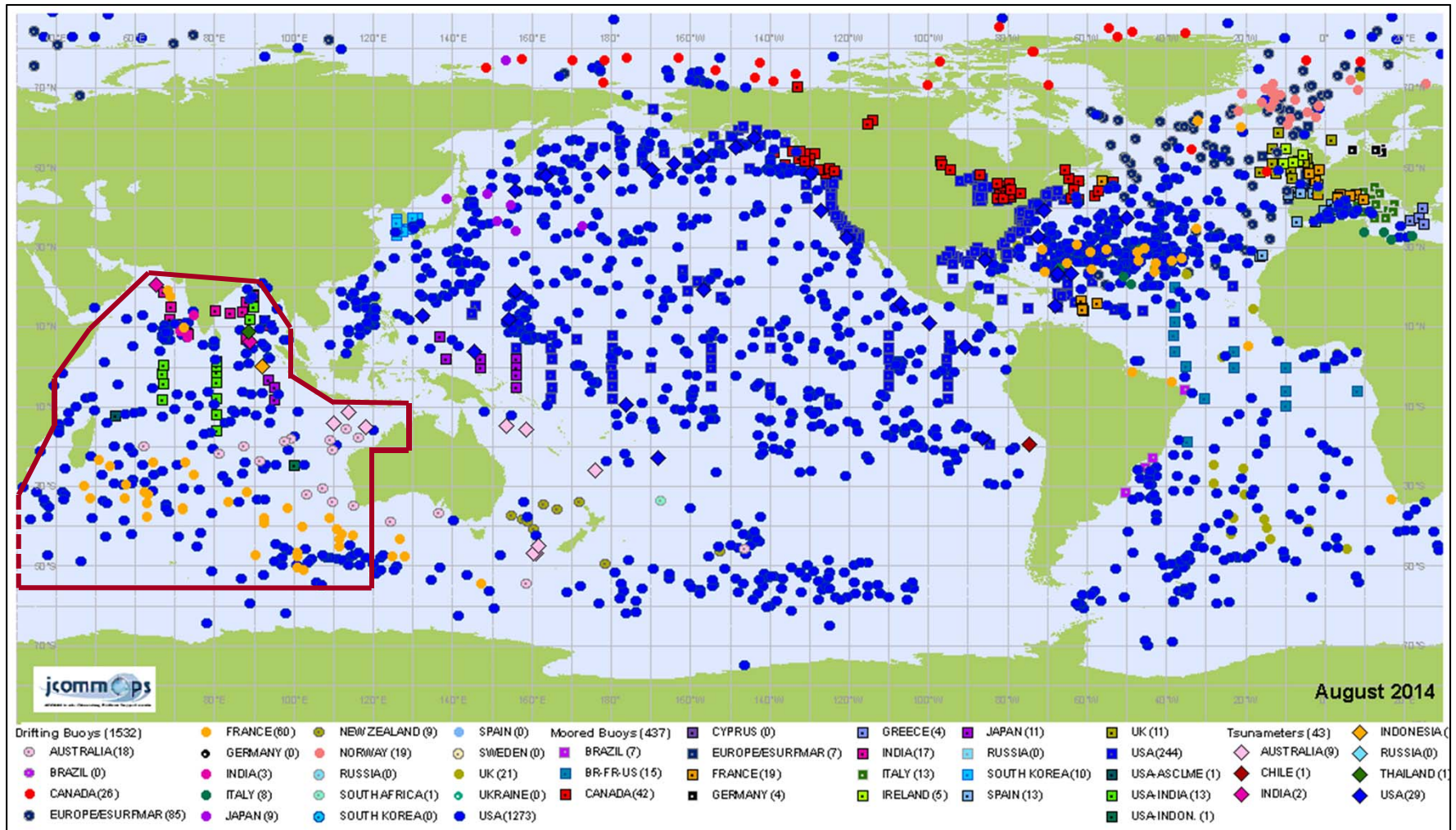


Objective of the IBPIO

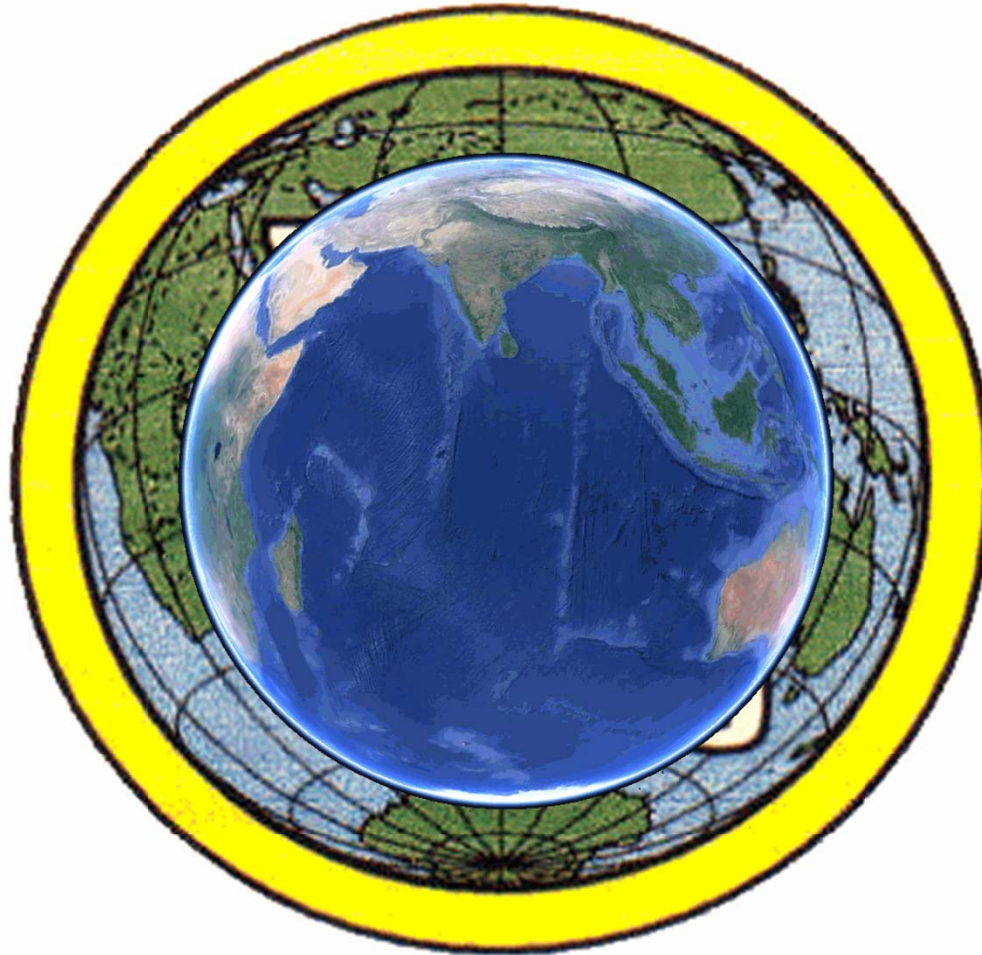
- To establish & maintain a network of platforms in the Indian Ocean to provide meteorological & oceanographic data for real-time operational requirements & research purposes, including support for:
 - the World Weather Watch Programme (WWW);
 - the Global Climate Observing System (GCOS);
 - the World Climate Research Programme (WCRP);
 - the Global Ocean Observing System (GOOS);
 - tropical cyclone forecasts & monitoring; and
 - the research activities of participating institutions.



IBPIO Area of Interest



Programme Review & Plans



2013/14 Programme Review



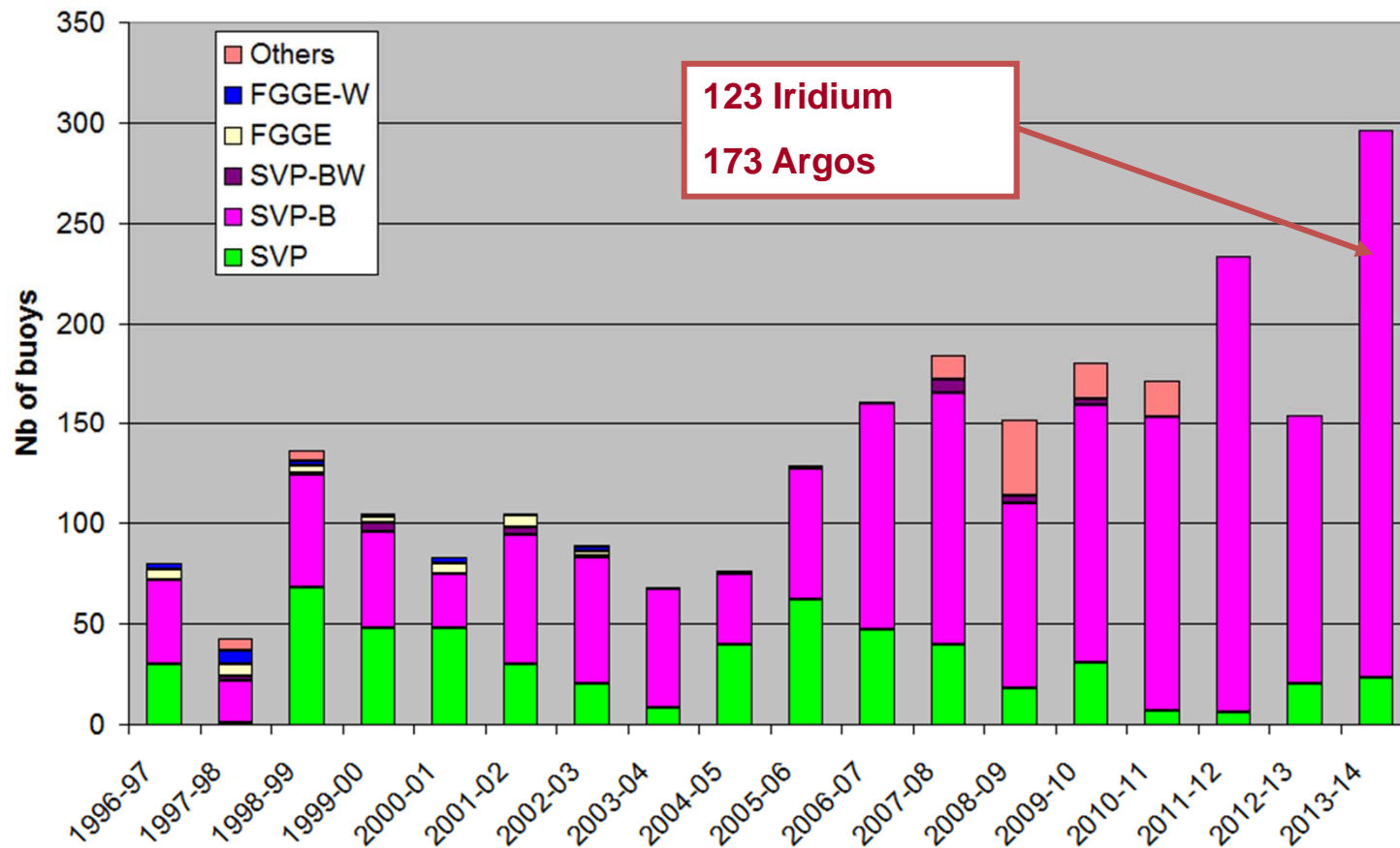
IBPIO CONSOLIDATED BUOY DEPLOYMENT PLAN - 2013/2014

AGENCY	OWN PROGRAM					FOR GDP			TOTAL
	Moored	Other	SVP	SVP-B	SVP-BW	UPG	SVP	SVP-B	
GDC	0	0	20	60	0				80
ABOM	0	0	0	20	0	8	0	44	72
MF	0	0	0	0	0	40	0	0	40
NAVO	0	0	0	0	0	0	0	0	0
NIO	0	0	0	40	0	0	0	0	40
NIOT	16	0	0	0	0	0	0	0	16
SAWS	0	0	0	8	0	0	0	15	23
EMU	0	0	0	0	0	0	0	0	0
KMD	0	0	0	0	0	0	0	0	0
TIP	34	0	0	0	0	0	0	0	34
INCOIS	0	0	0	0	0	0	0	0	0
MMD	0	0	0	0	0	0	0	0	0
TOTAL	50	0	20	128	0	48	0	59	305

SUMMARY	
Moored	50
Other	0
SVP	20
SVP-B	235
SVP-BW	0

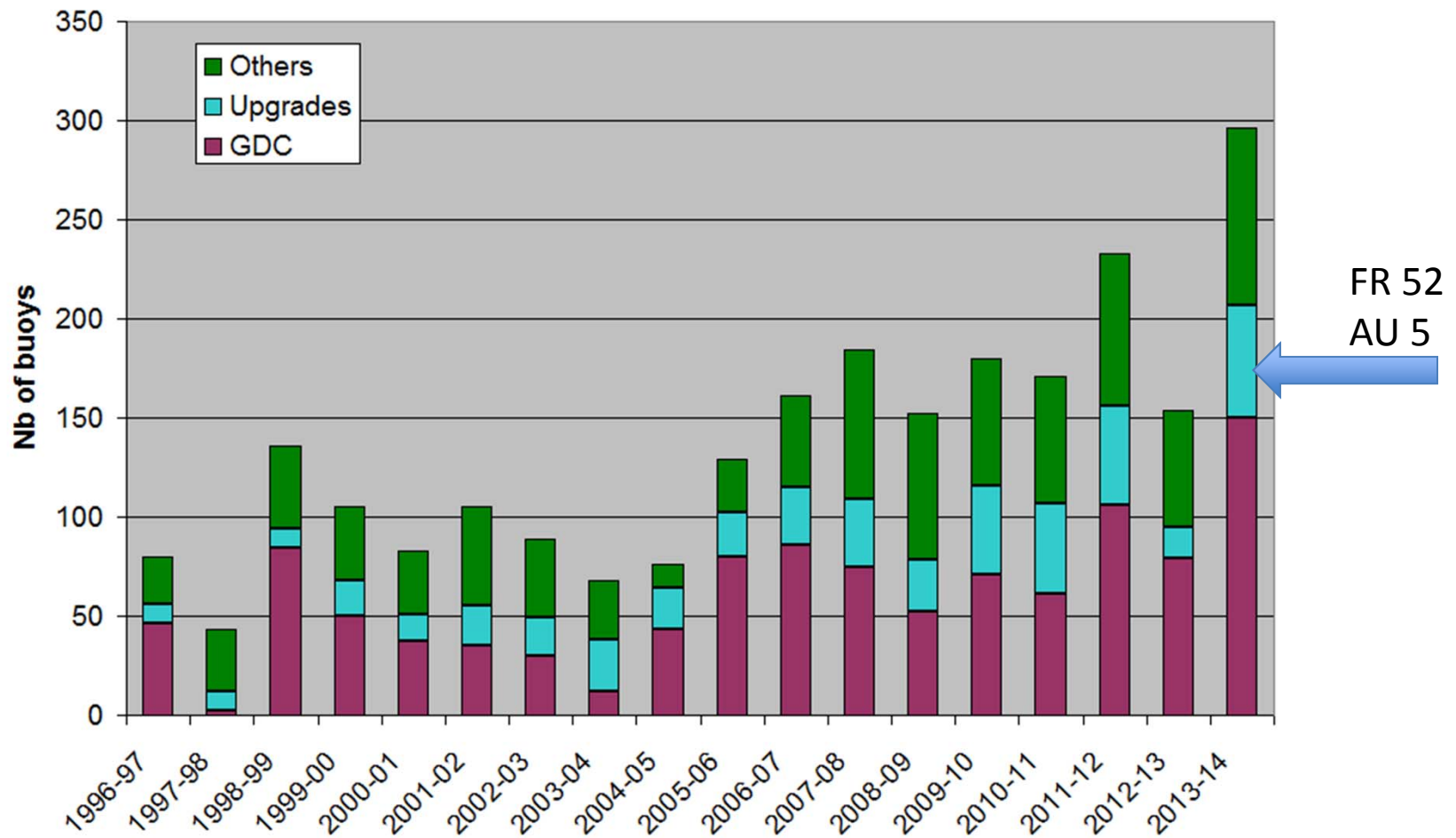
305

DB Deployments by Type



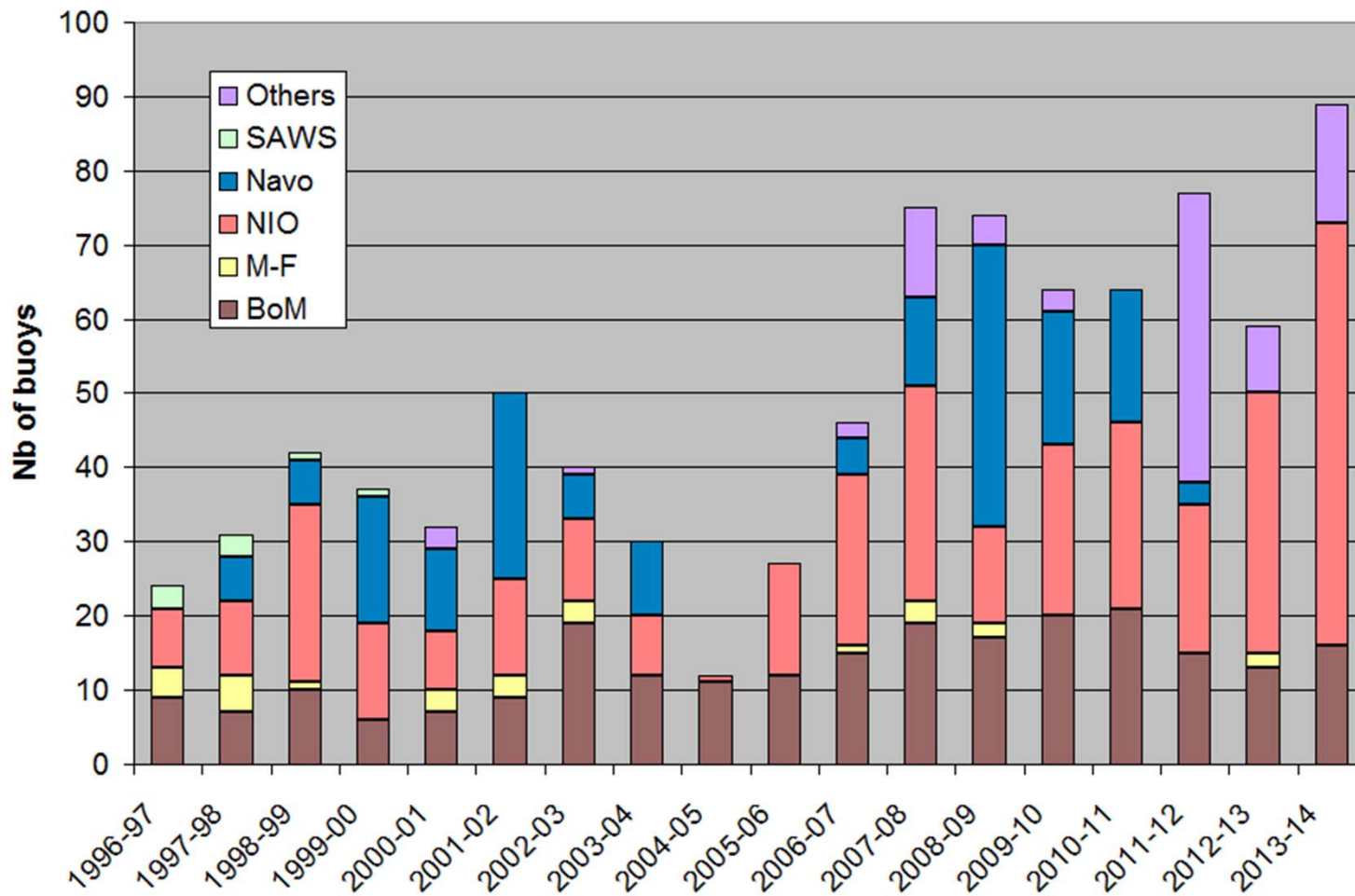


DB Contributions to IBPIO

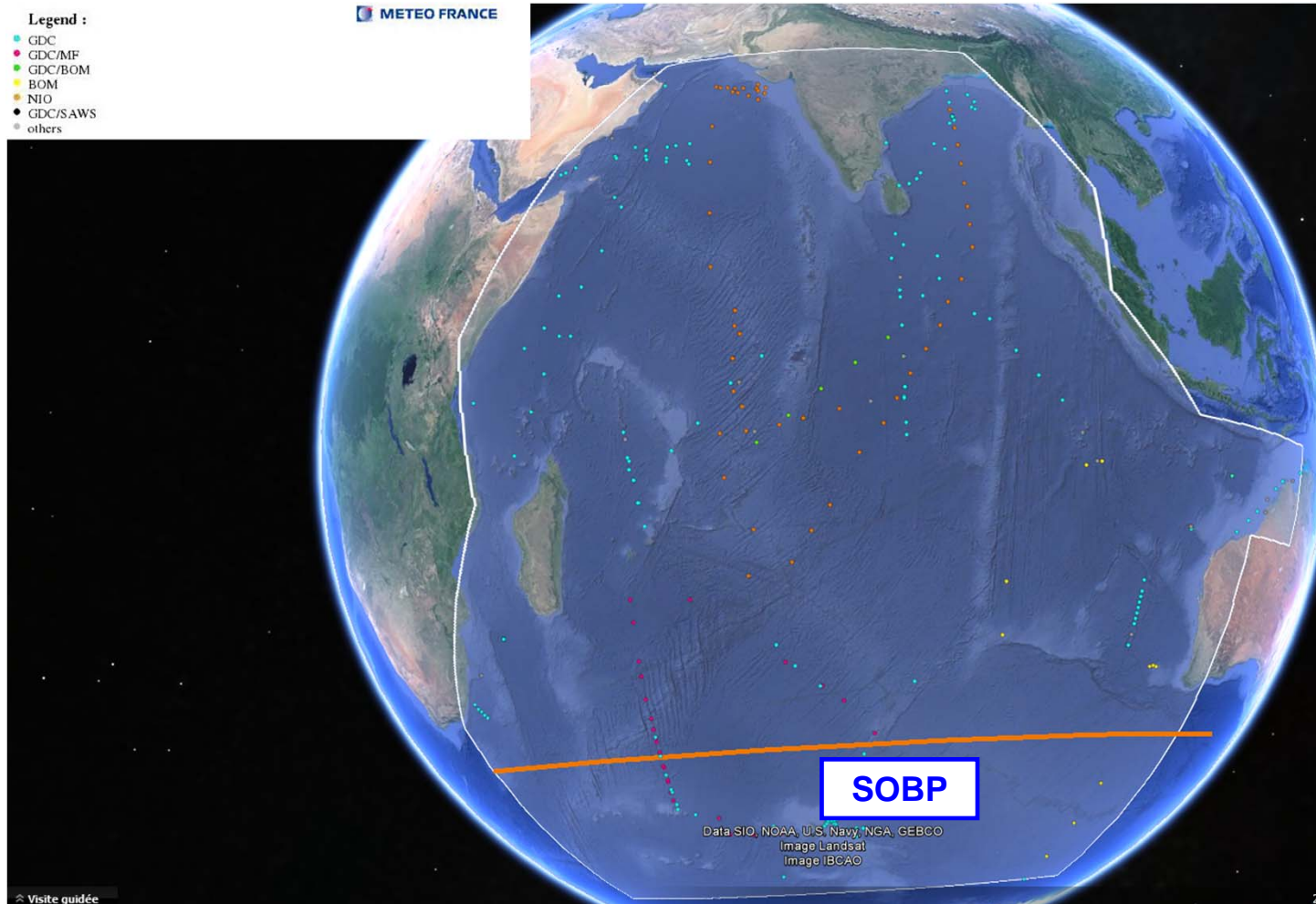




DB Contributions by Others



2012/13 DB Deployment Locations





2014/15 Programme Plans

IBPIO CONSOLIDATED BUOY DEPLOYMENT PLAN - 2014/2015

AGENCY	OWN PROGRAM					FOR GDP			TOTAL
	Moored	Other	SVP	SVP-B	SVP-BW	UPG	SVP	SVP-B	
GDC	0	0	20	45	0				65
ABOM	0	0	0	20	0	8	30	40	98
MF	0	0	0	0	0	30	0	0	30
NAVO	0	0	0	0	0	0	0	0	0
NIO	0	0	0	30	0	0	0	14	44
NIOT	23	0	0	0	0	0	0	0	23
SAWS	0	0	0	2	0	0	0	20	22
EMU	0	0	0	0	0	0	0	0	0
KMD	0	0	0	0	0	0	0	0	0
TIP	34	0	0	0	0	0	0	0	34
INCOIS	0	0	0	0	0	0	0	0	0
MMD	0	0	0	0	0	0	0	0	0
TOTAL	57	0	20	97	0	38	30	74	316

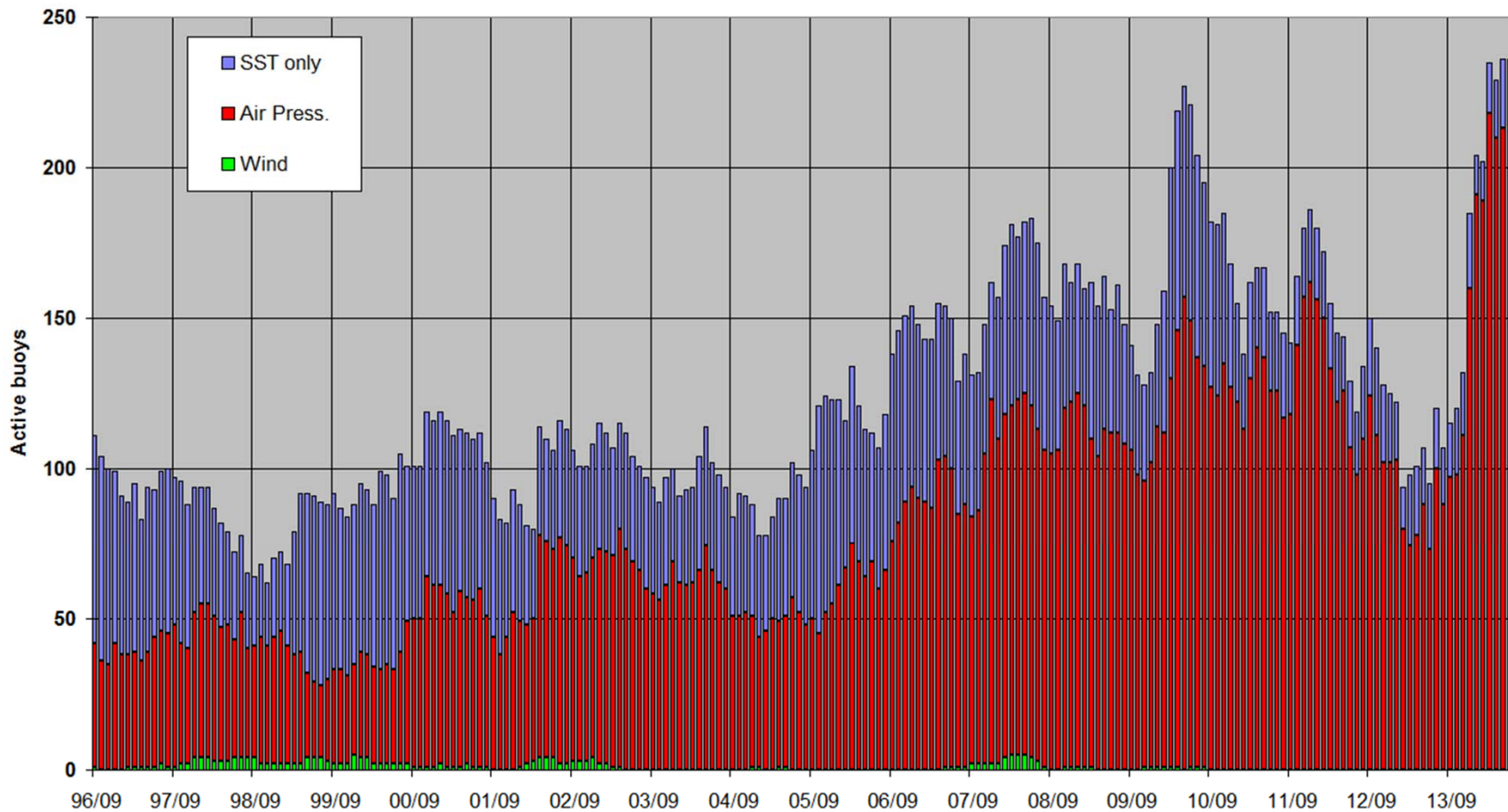
SUMMARY	
Moored	57
Other	0
SVP	50
SVP-B	209
SVP-BW	0

316

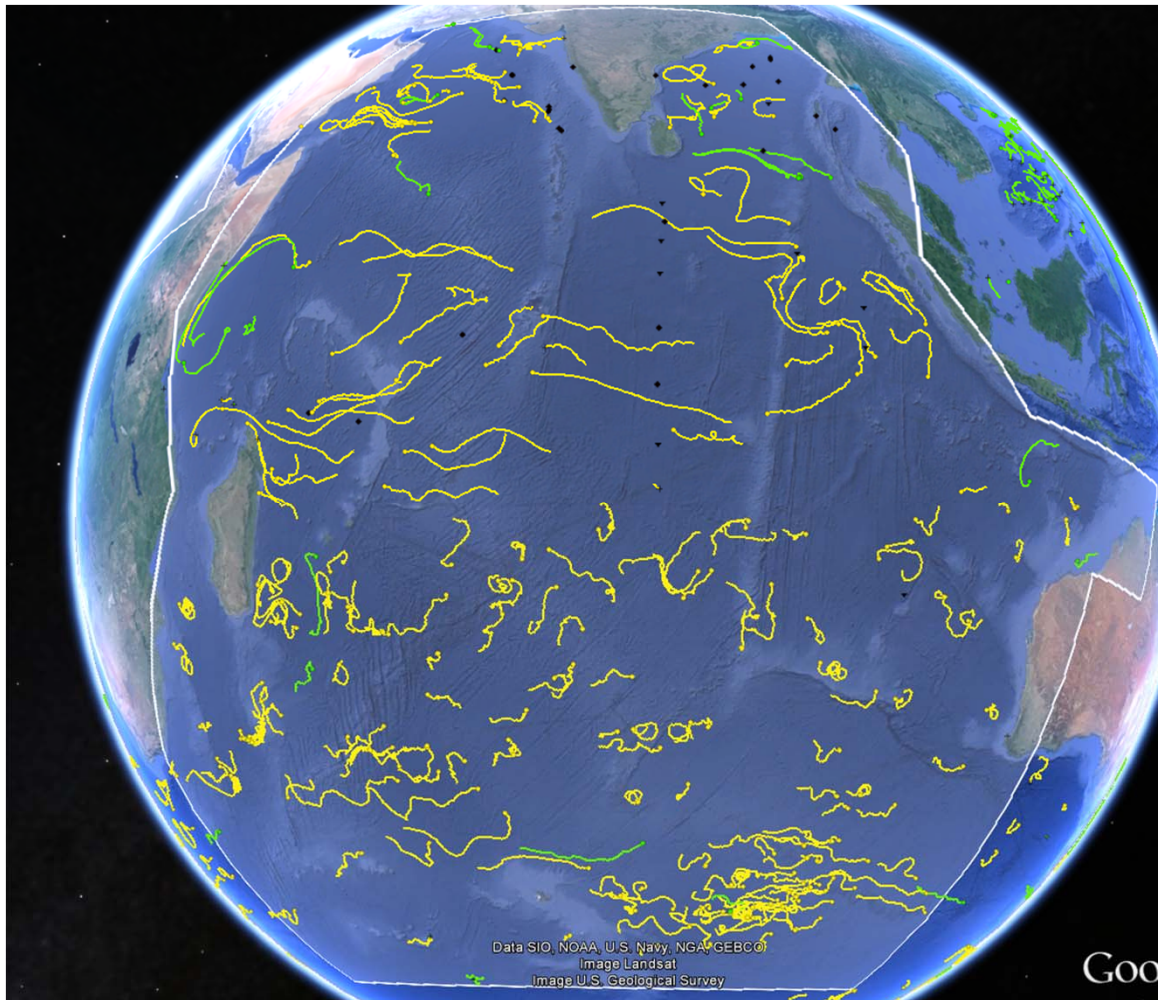
Status of the Networks



DB Network



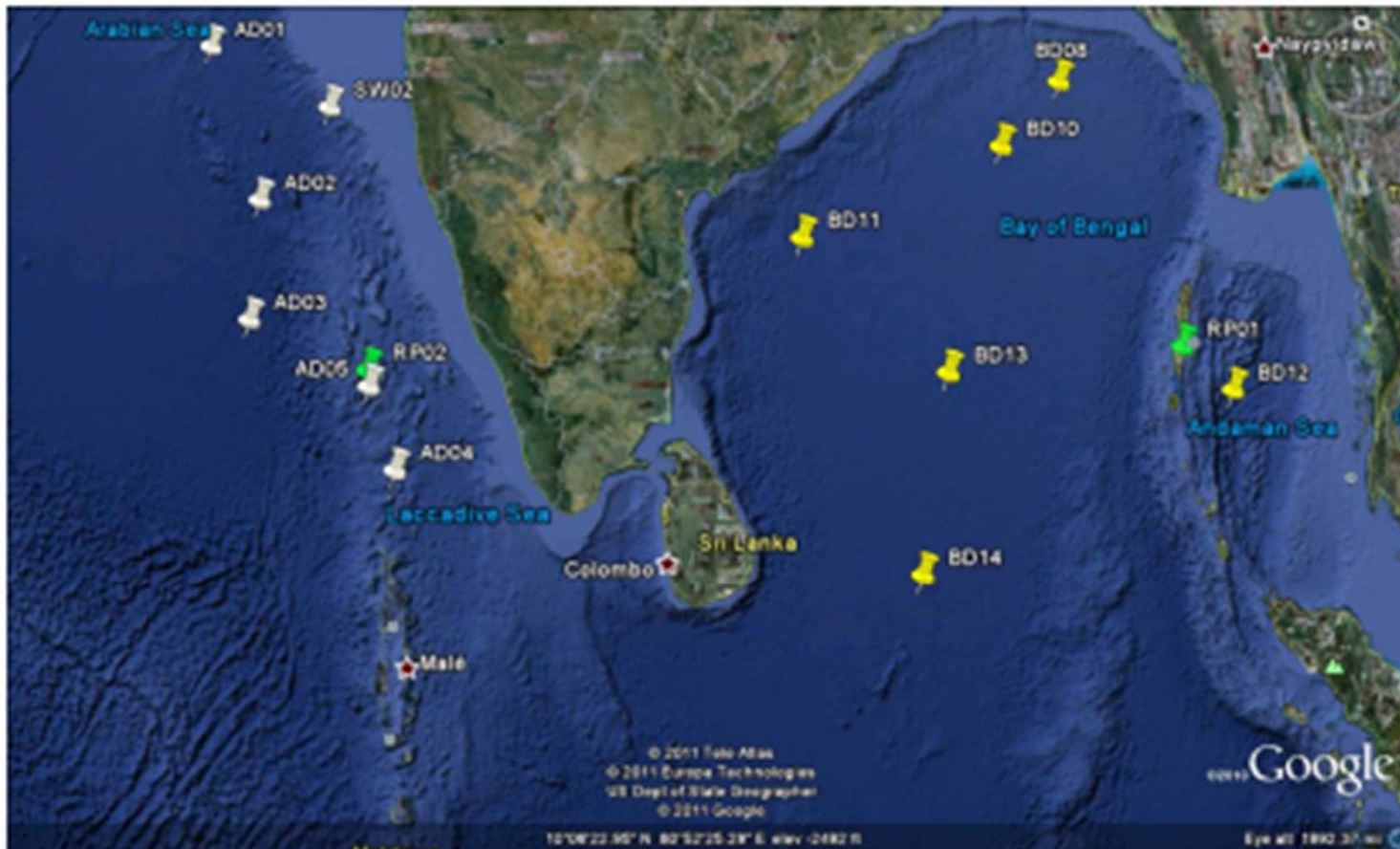
DB Trajectories



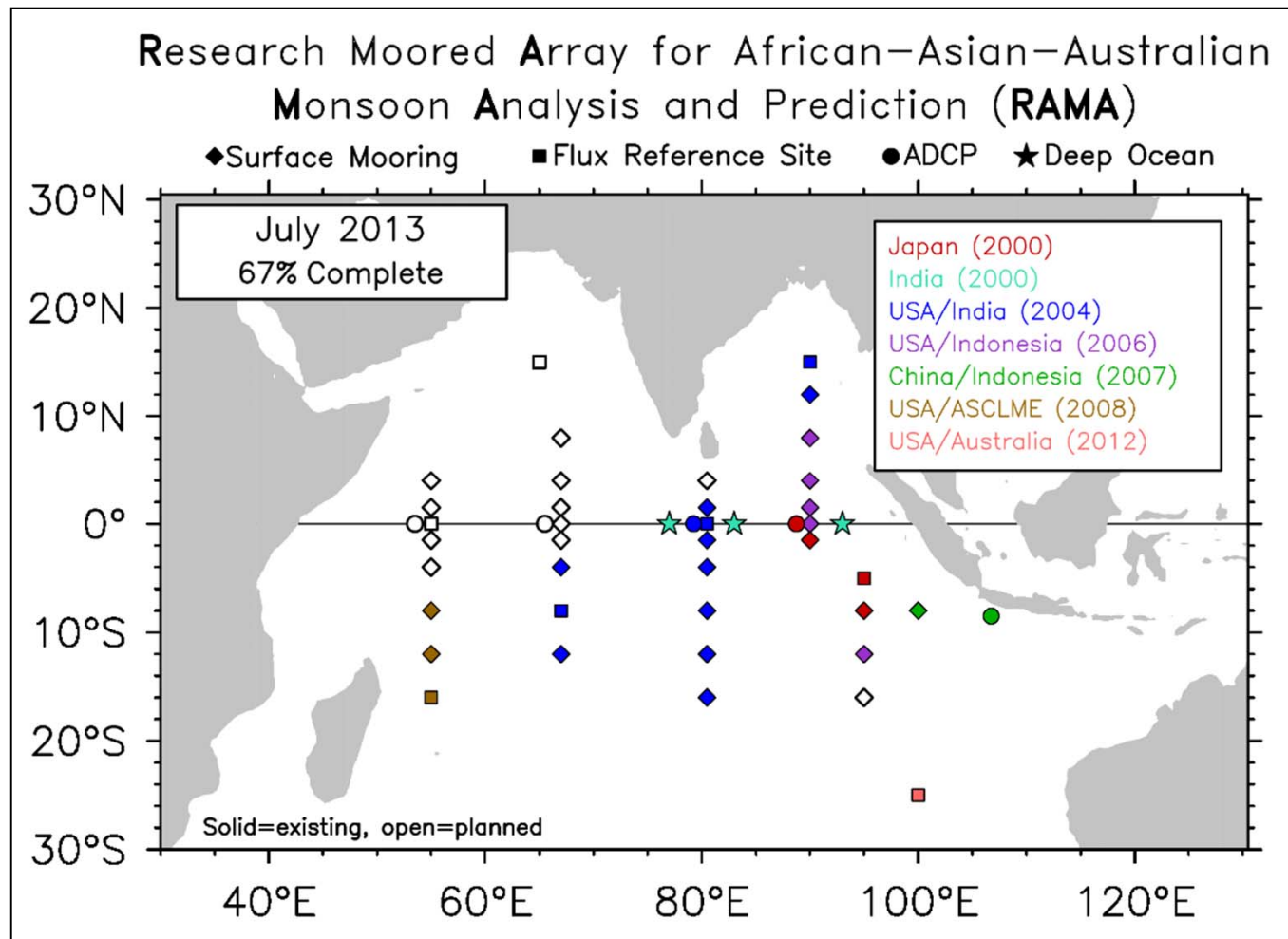
June 2014

- Air Pressure
- SST only

NIOT MB Network



RAMA Array

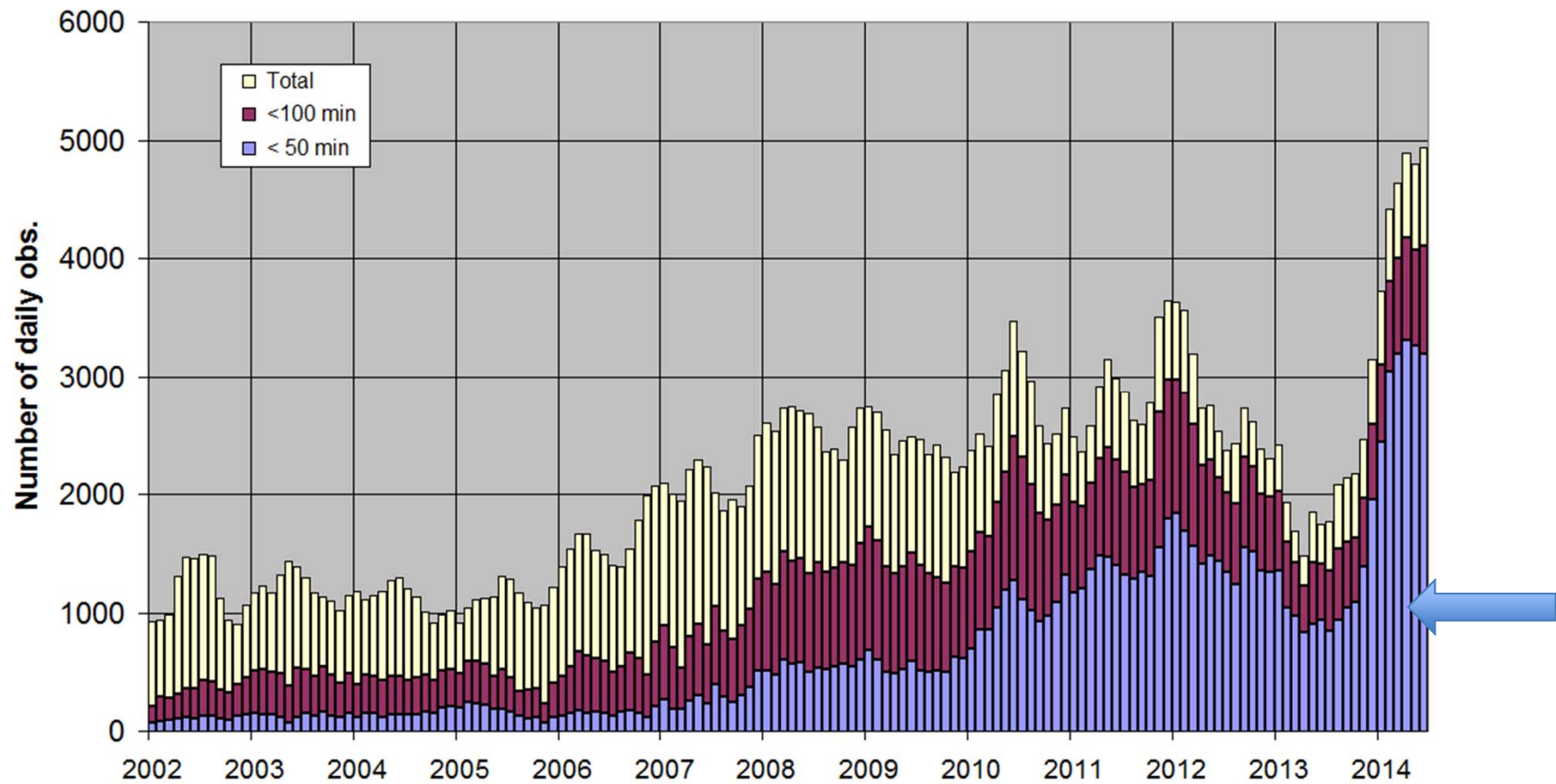


Performance of the Networks



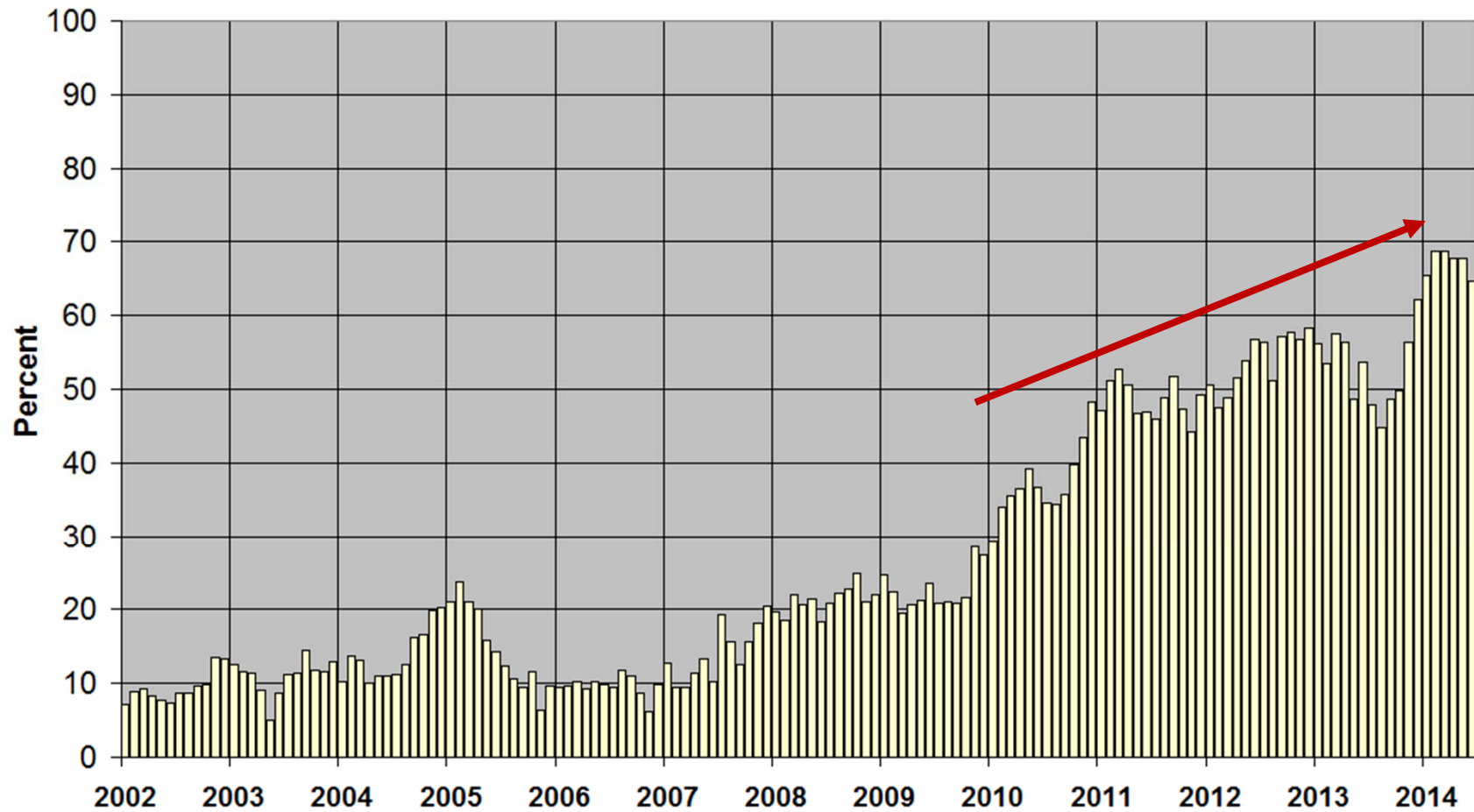


DB Data Availability



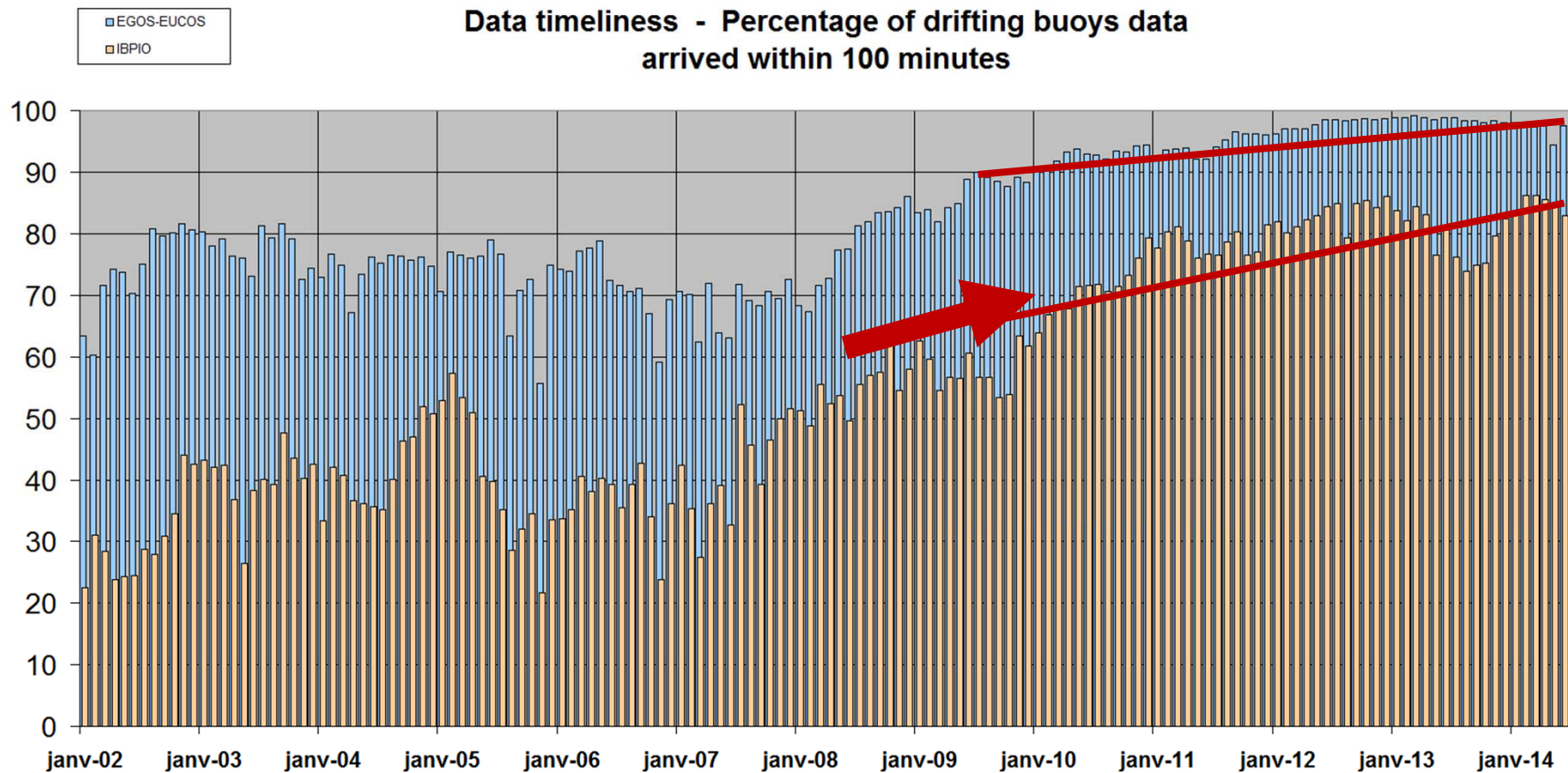


DB Data Timeliness (<50mins)





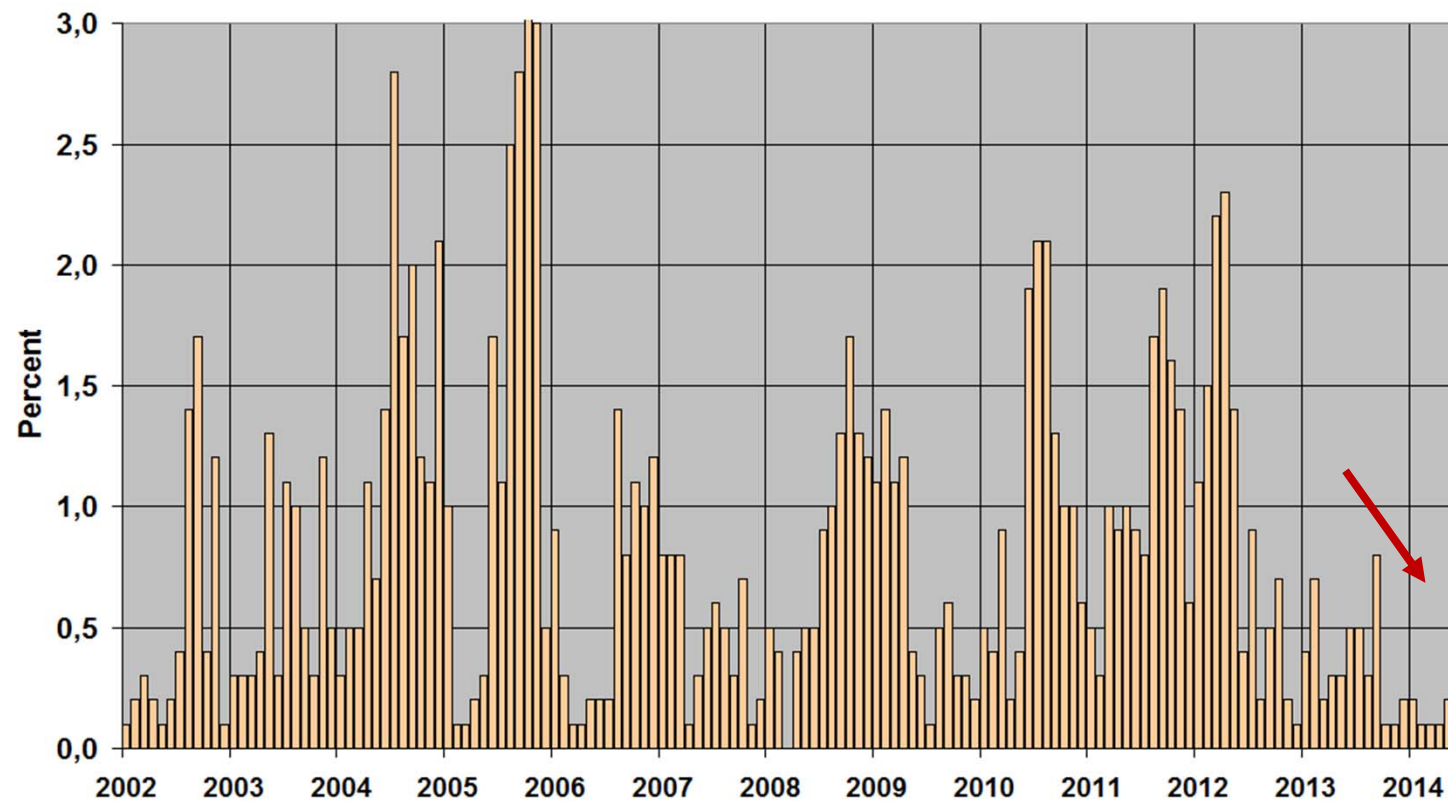
DB Data Timeliness Comparison



DB Gross Errors



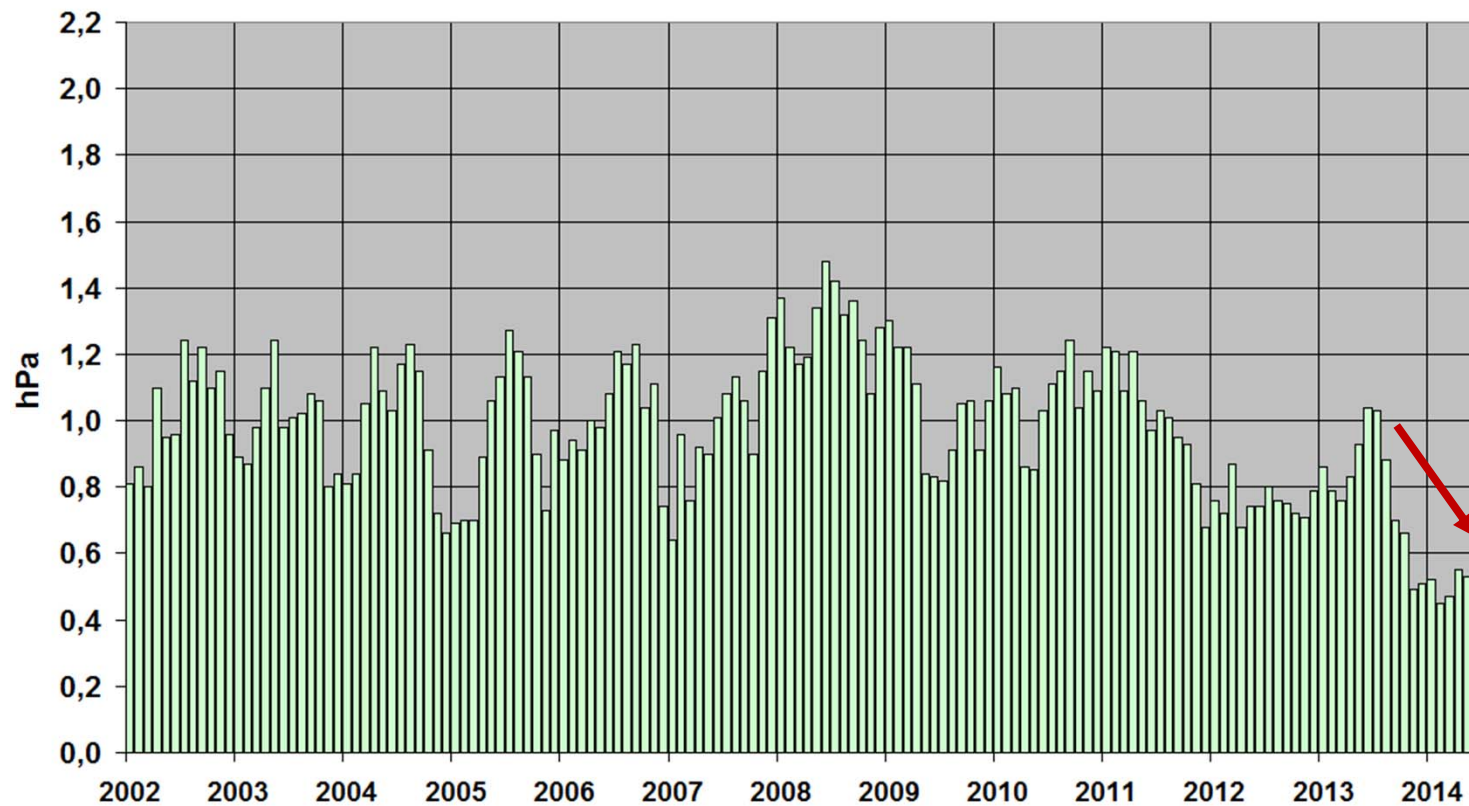
IBPIO drifting buoys - Data quality
Gross Errors of differences with the French model outputs



DB MSLP RMS Errors



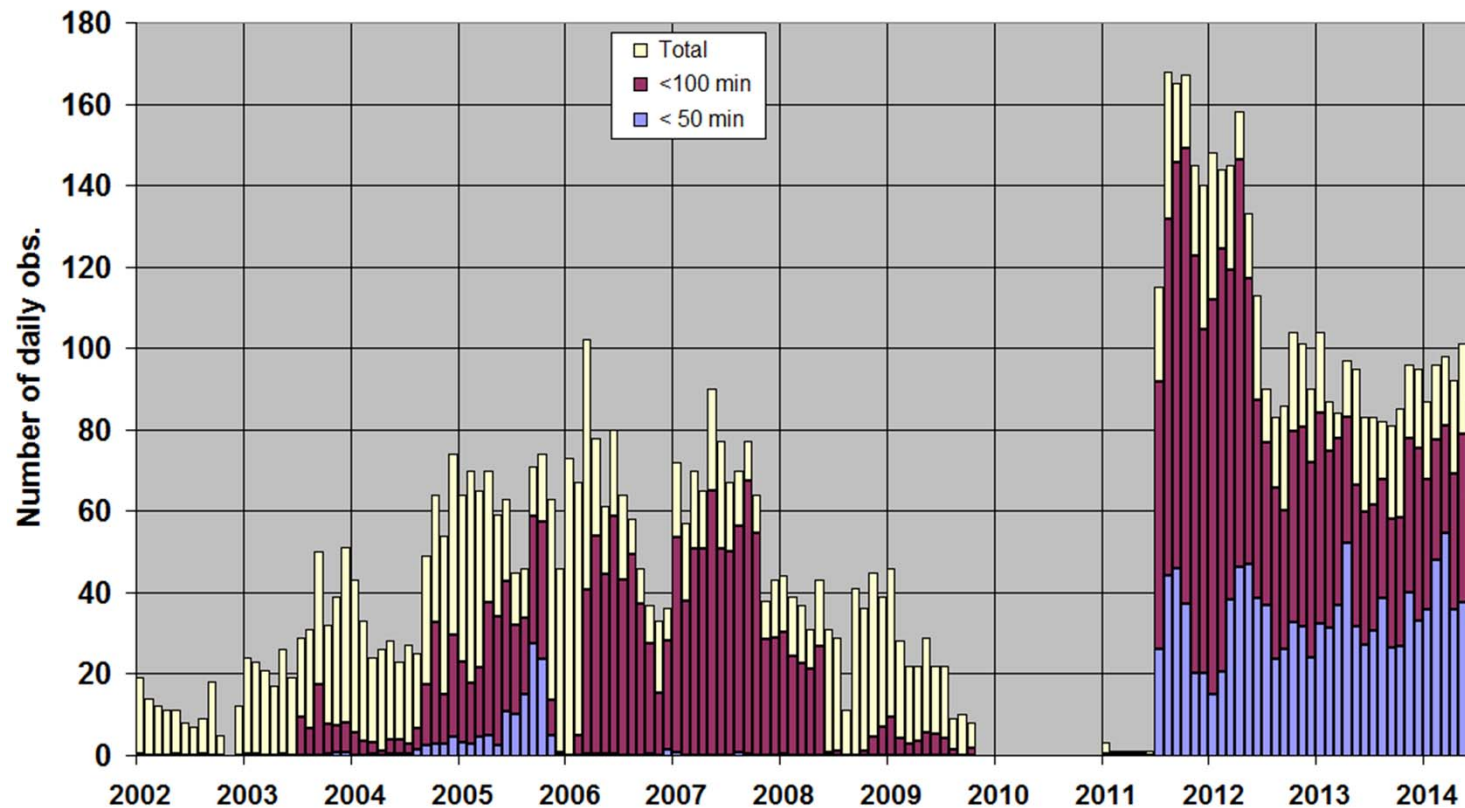
IBPIO drifting buoys - Data quality
RMS of differences with the French model outputs





NIOT MB Data Timeliness

NIOT moored buoys - Data availability
Average number of hourly MSLP values per day



Participants & Meetings





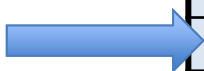
Participants in the IBPIO

AGENCY		JOINED
Australian Bureau of Meteorology	(ABOM)	1997
Global Drifter Center, NOAA/AOML, USA	(GDC)	1997
Météo France	(MF)	1997
National Institute of Oceanography, India	(NIO)	1997
South African Weather Service	(SAWS)	1997
National Institute of Ocean Technology, India	(NIOT)	2001
Navoceano, USA	(NAVO)	2001
Eduardo Mondlane University, Mozambique	(EMU)	2007
Tropical Moored Buoy Implementation Panel	(TIP)	2007
Kenya Meteorological Department	(KMD)	2008
Indian National Centre for Ocean Information Services	(INCOIS)	2008
Malaysian Meteorological Department	(MMD)	EOI
Mauritius Meteorological Service	(MMS)	EOI



IBPIO Programme Meetings

Session	Date	Location	With
IBPIO-1	Sept 1996	St Denis, La Reunion	
IBPIO-2	July 1997	Perth, Australia	
IBPIO-3	July 1998	Kuala Lumpur, Malaysia	
IBPIO-4	July 1999	Cape Town, South Africa	
IBPIO-5	Oct 2001	Perth, Australia	DBCP-17
IBPIO-6	July 2002	Cape Town, South Africa	ISABP-9
IBPIO-7	Oct 2004	Chennai, India	DBCP-20
IBPIO-8	Oct 2005	Buenos Aires, Argentina	DBCP-21
IBPIO-9	Oct 2006	La Jolla, USA	DBCP-22
IBPIO-10	Oct 2007	Jeju, Republic of Korea	DBCP-23
IBPIO-11	Oct 2008	Cape Town, Republic of South Africa	DBCP-24
IBPIO-12	Sept 2009	Paris, France	DBCP-25
IBPIO-13	Sept 2010	Oban, Scotland	DBCP-26
IBPIO-14	Sept 2011	Geneva, Switzerland	DBCP-27
IBPIO-15	Oct 2012	Fremantle, Australia	DBCP-28
IBPIO-16	Sept 2013	Paris, France	DBCP-29
IBPIO-17	Oct 2014	Weihai, China	DBCP-30



IBPIO Programme Committee



Chairman	Shaun Dolk	Global Drifter Center, NOAA/AOML, USA
Vice Chairman	TBA	South African Weather Service
Programme Coordinator	Gilbert Emzivat	Météo France
Members	Graeme Ball	Bureau of Meteorology, Australia
	Mayra Pazos	Global Drifter Center, NOAA/AOML, USA
	R. Venkatesan	National Institute of Ocean Technology, India
	Paul Freitag	Tropical Moored Buoy Implementation Panel
	M. Ravichandran	Indian National Centre for Ocean Information Services

IBPIO Website



**International Buoy Programme
for the Indian Ocean**

An Action Group of the
Data Buoy Cooperation Panel (DBCP)

Why ?
[Programme Objectives](#)


[Programme Management](#)

Who ?
[Participants](#)


[Operations](#)


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[Links](#)

<http://www.meteo.shom.fr/ibpio/>

Recommendations to DBCP





Recommendations from IBPIO-17

- The IBPIO acknowledges the second International Indian Ocean Experiment (IIOE-II) and the intended aims of IIOE-II, and urges members to participate.

