

IBPIO Report

2015/2016 Intercessional Period

Presented to DBCP – XXXII

La Jolla, California
17 – 21 October, 2016



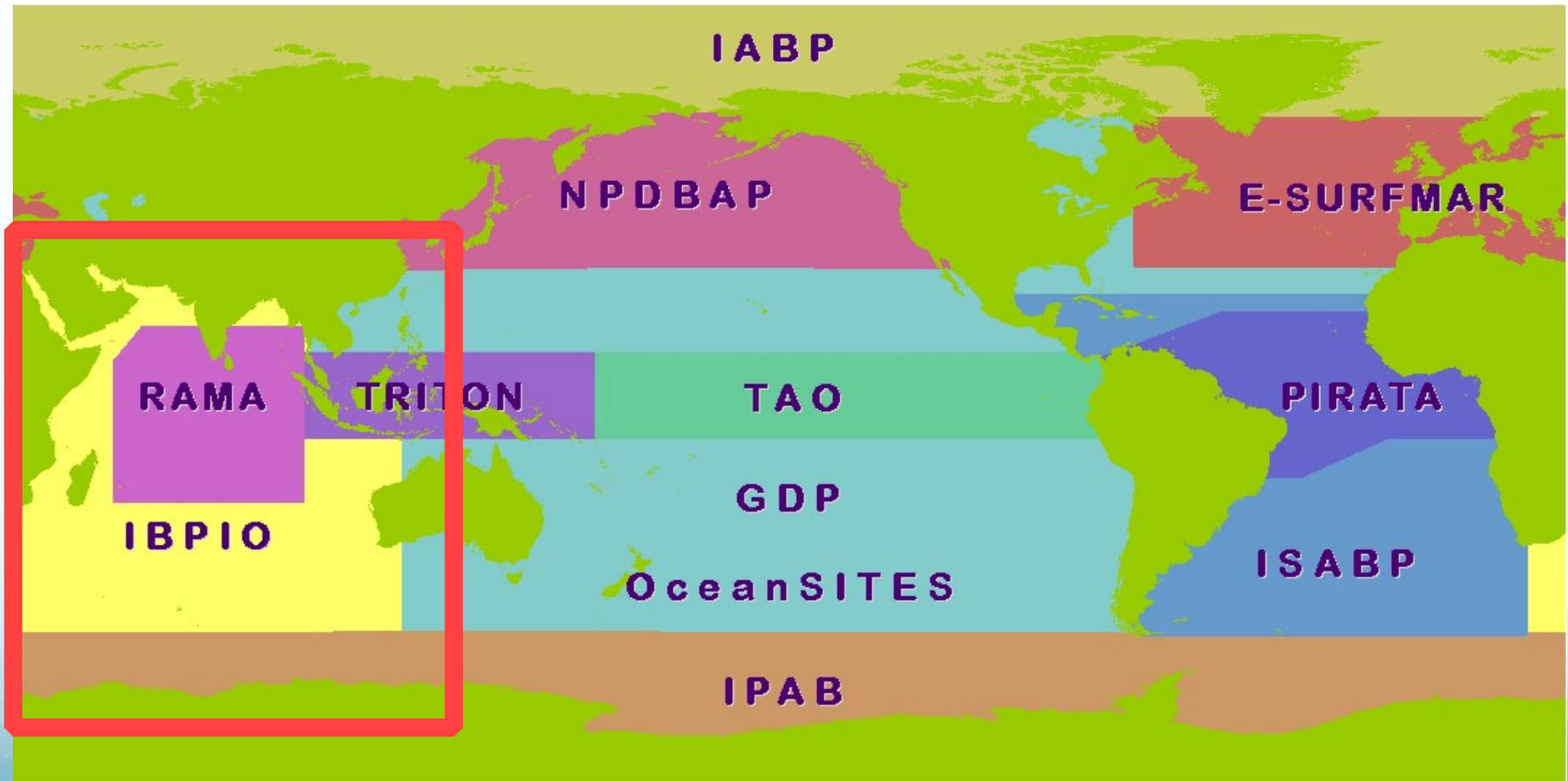
Outline

- **Members / Participants**
- **Program Review**
- **Network Status / Performance Monitoring**
- **2016 Deployment Plan**
- **Discussion and Recommendations**

Members / Participants

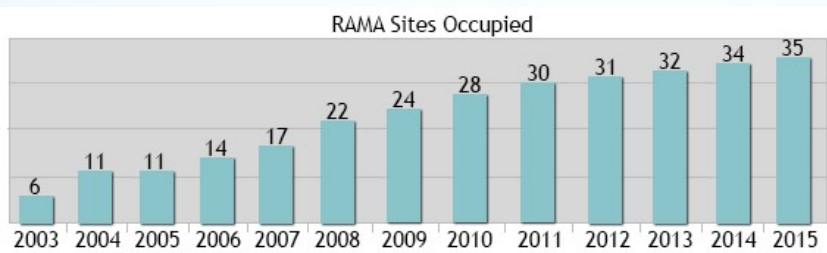
- **Australia**
- **China**
- **France (Including WMO Secretariat)**
- **India**
- **Indonesia**
- **Japan**
- **Kenya**
- **Mauritius**
- **Oman?**
- **Pakistan**
- **Seychelles**
- **South Africa**
- **USA**

Program Review



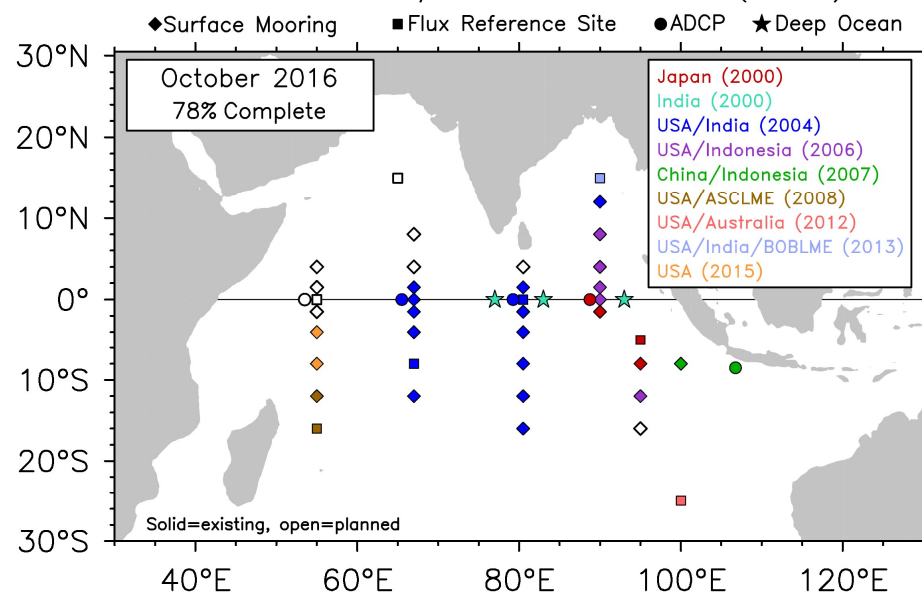
Program Review

Research Moored Array for African-Asian-Australian Monsoon Analysis and Prediction (**RAMA**)



<http://www.pmel.noaa.gov/tao/rama/technical.html>

Research Moored Array for African-Asian-Australian Monsoon Analysis and Prediction (**RAMA**)

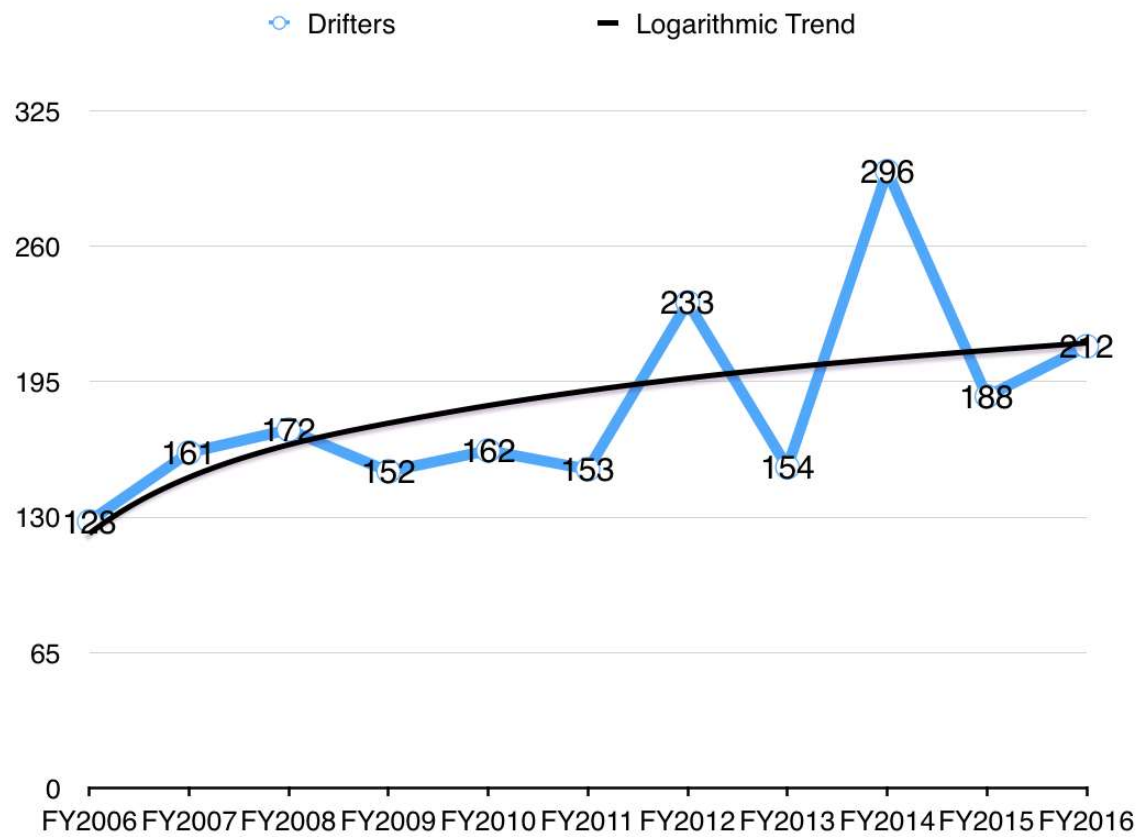


<http://www.pmel.noaa.gov/tao/rama/technical.html>

Network Status

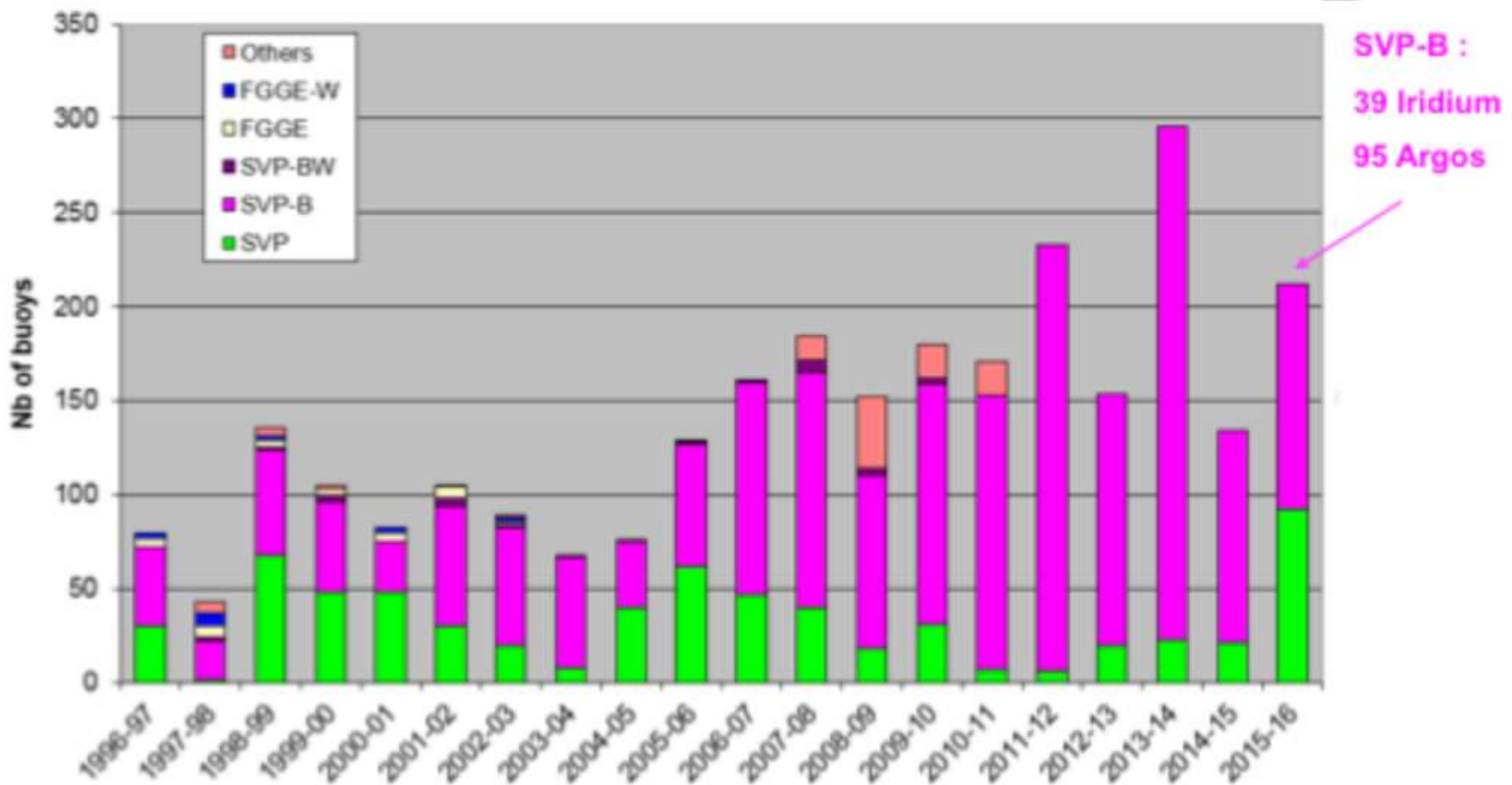
RAMA Impact

Drifter Deployments



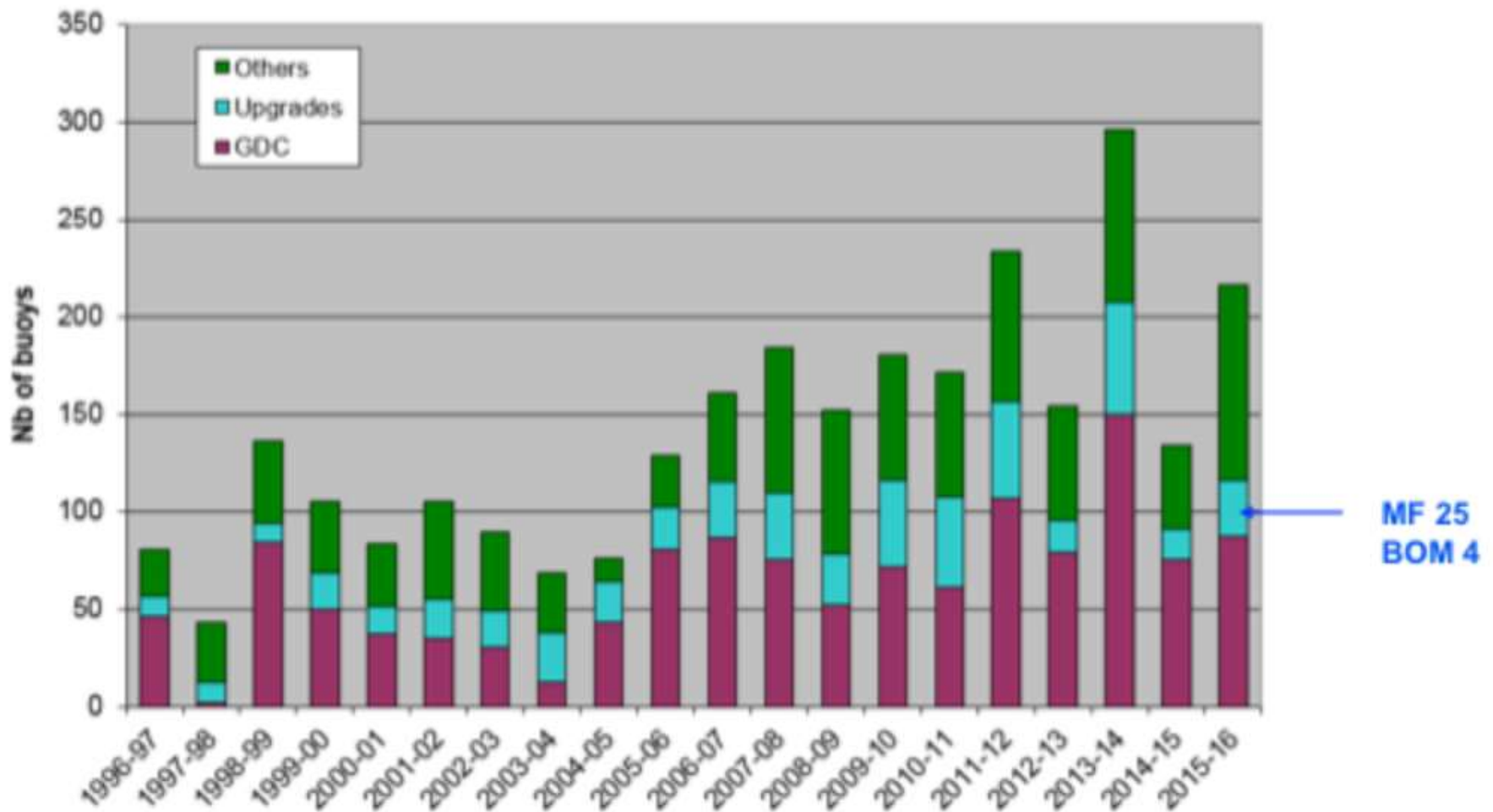
Network Status

SVPB Drifting Buoys Deployed



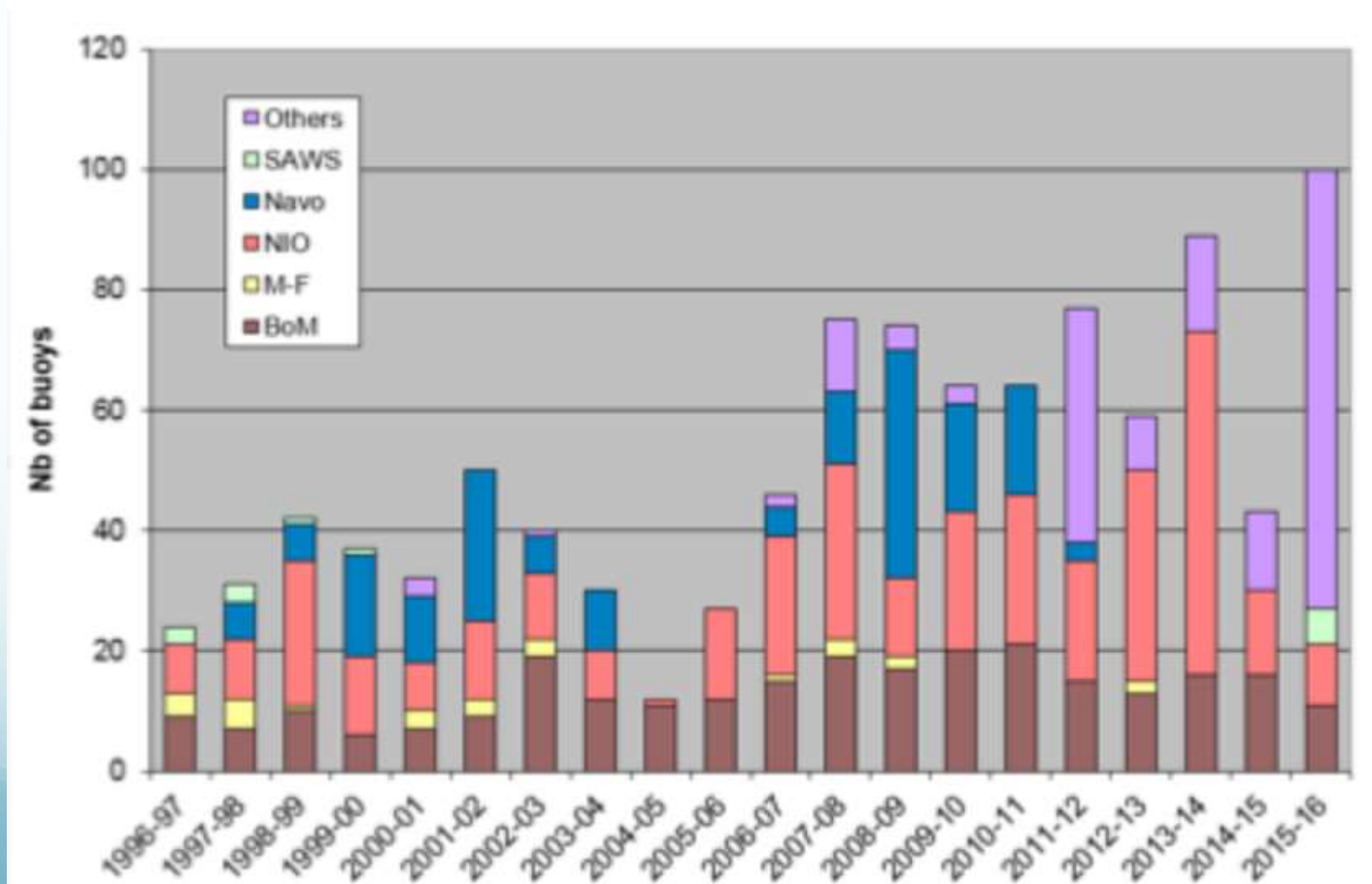
Network Status

Number of Drifting Buoys By Owner



Network Status

Number of Drifting Buoys By Owner w/o GDP
(Upgraded Buoys Excluded)



Network Status

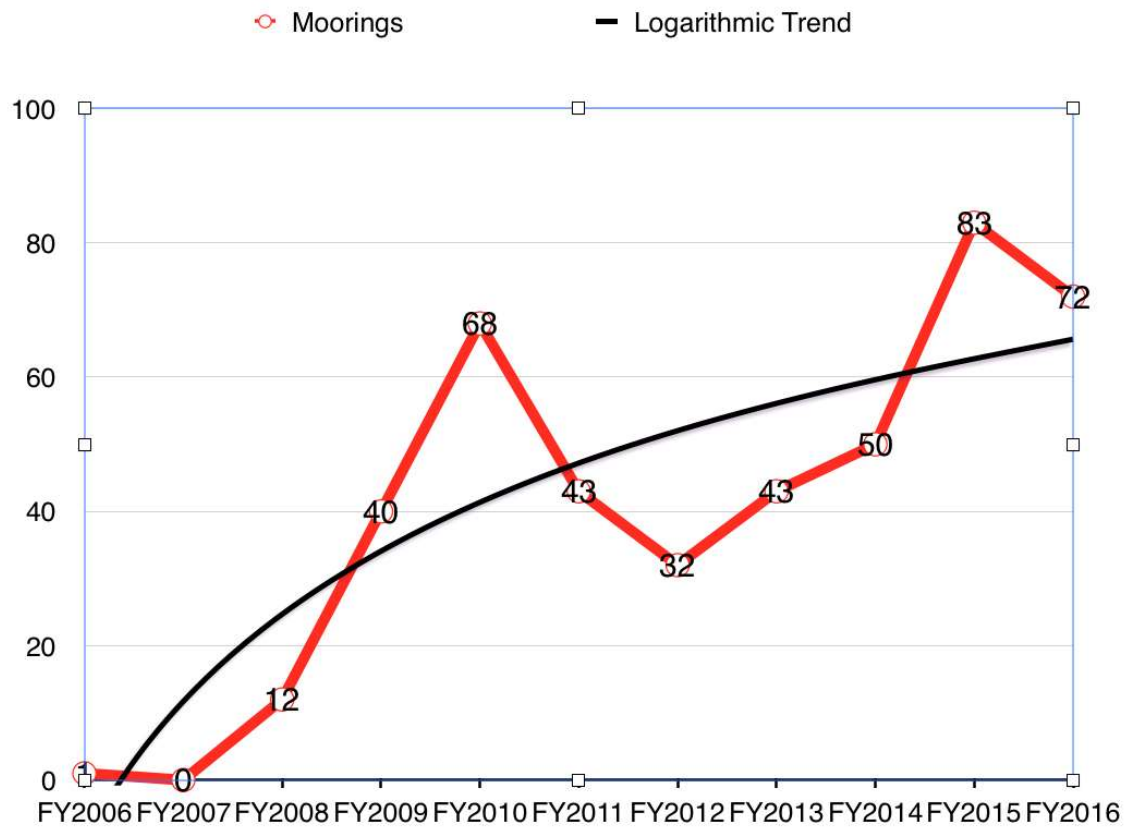
Data Timeliness (<50min)



Network Status

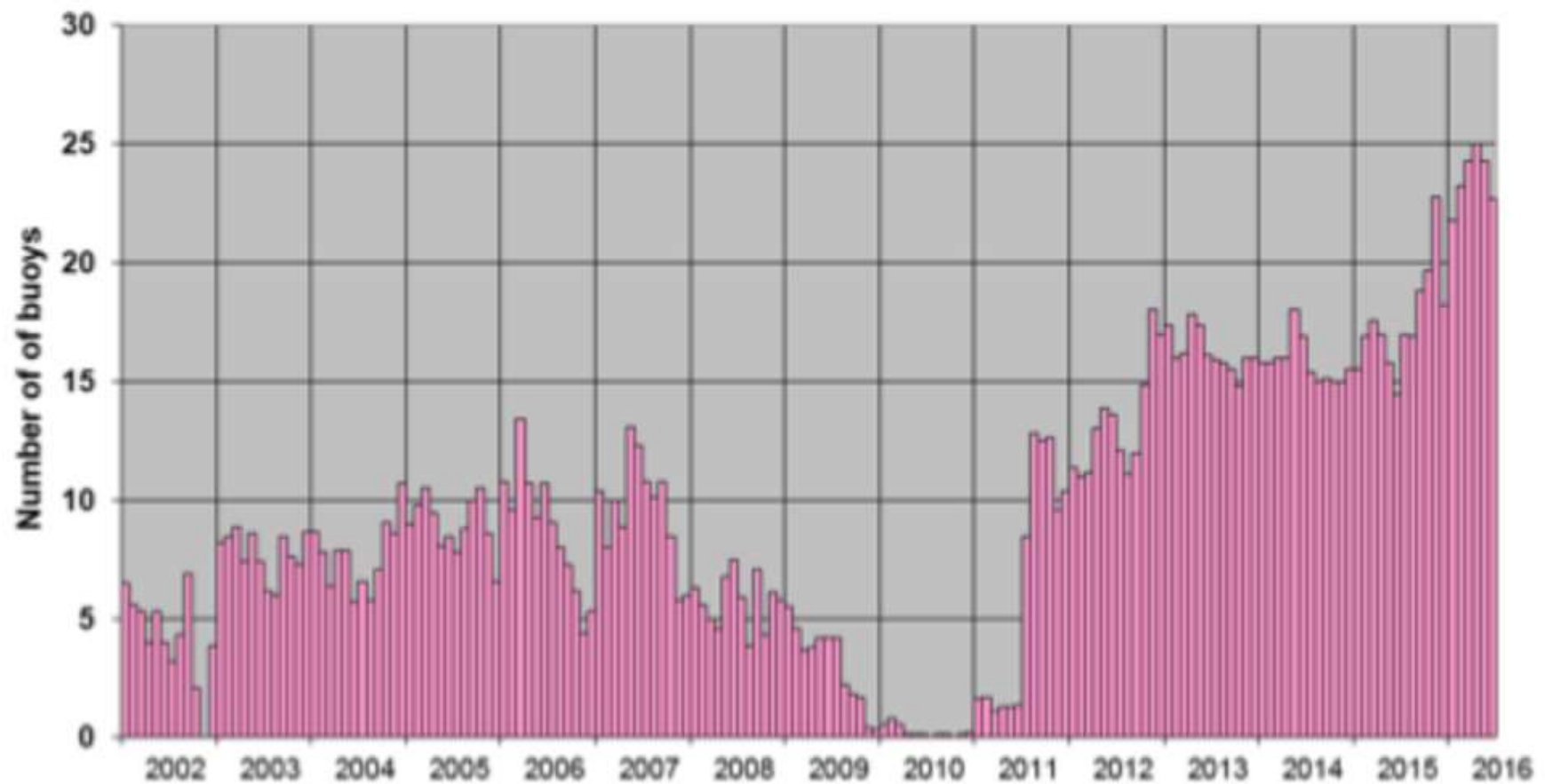
RAMA Impact

Mooring Deployment/ Service



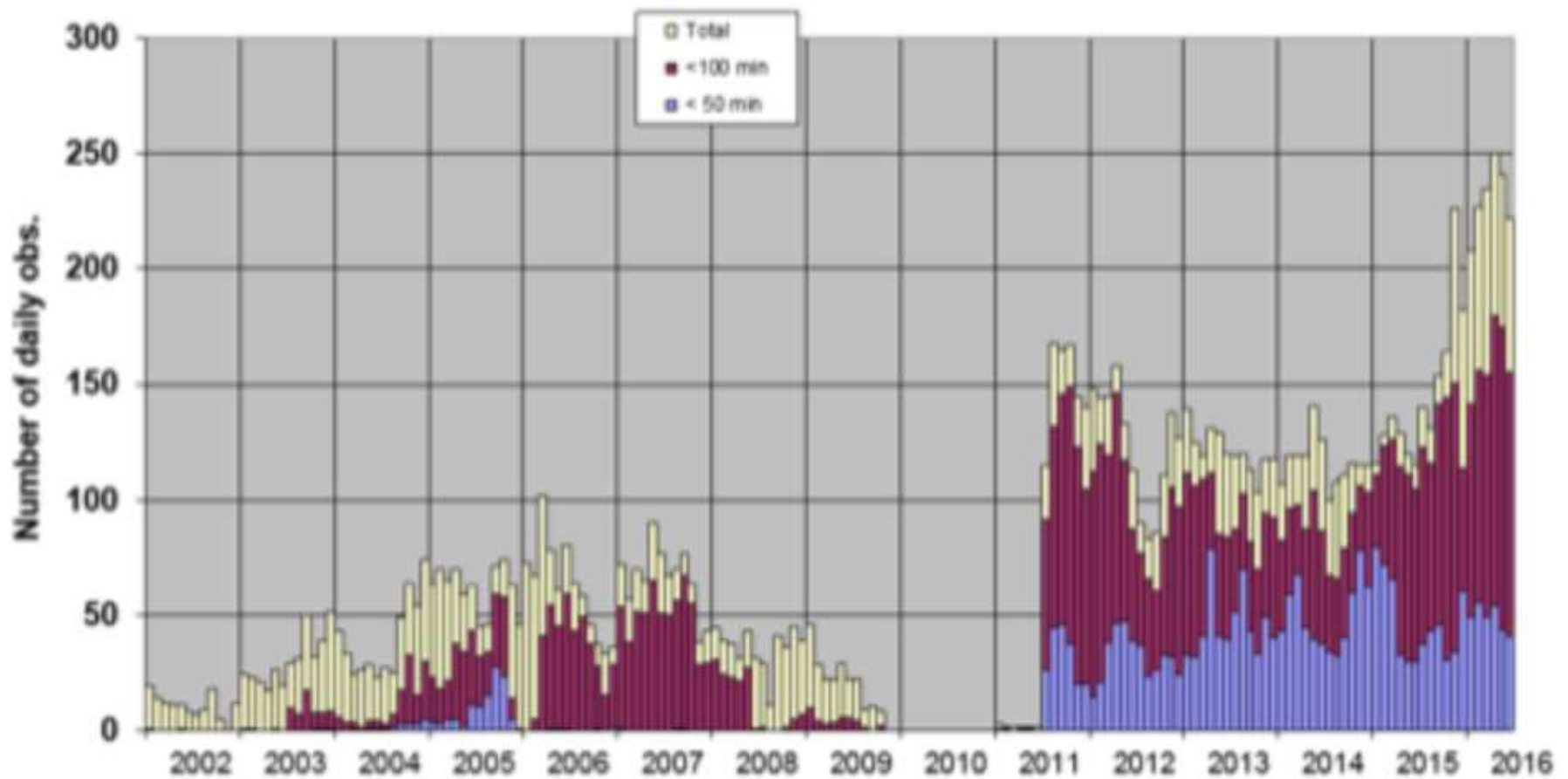
Network Status

Moored Buoys



Network Status

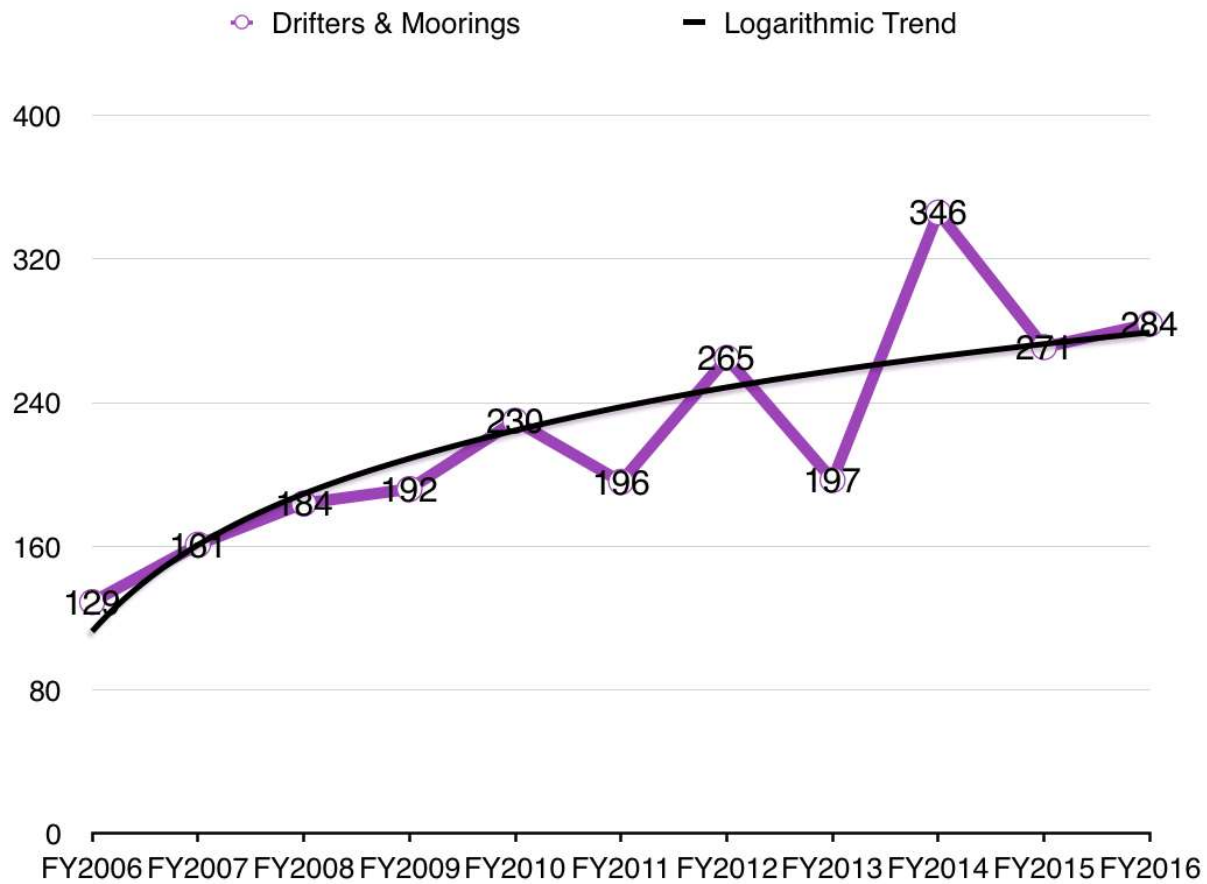
Moored Buoy Data Timeliness



Network Status

RAMA Impact

Combined (Drifter & Mooring) Deployments



2017 Deployment Plan

IBPIO CONSOLIDATED BUOY DEPLOYMENT PLAN - 2016/2017

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	10	0	8	0	10	28
MF	0	0	0	10	0	19	0	0	29
NAVO	0	0	0	0	0	0	0	0	0
NIO	0	0	0	0	0	0	0	0	0
NIOT	24	0	0	0	0	0	0	0	24
SAWS	0	0	0	0	0	0	5	5	10
EMU	0	0	0	0	0	0	0	0	0
KMD	0	0	0	0	0	0	0	0	0
TIP	29	0	0	0	0	0	0	0	29
INCOIS	1	19	0	0	0	0	0	0	20
MMD	0	0	0	0	0	0	0	0	0
TOTAL	54	19	20	65	0	27	5	15	205

SUMMARY		REVIEW
Moored	54	
Other	19	
SVP	25	
SVP-B	107	
SVP-BW	0	
	205	0


Recommendations

IBPIO Recommendation(s) to the DBCP:

- The DBCP recognizes the efforts of the 2nd International Indian Ocean Expedition (IIOE-2) and wishes to be part of this initiative with the aim to maintain and enhance in-situ met-ocean platforms in the Indian Ocean. This includes increased collaboration, capacity building initiatives and coordination with IIOE-2 research activities.
 - **IIOE-2 Focal Point**
- Congress-17 reaffirmed the MMOP as the key operational programme providing assistance to Members in the sustained provision of global and regional coverage of marine observational data, products and services to address the continued and expanding requirements of the maritime and coastal user communities for met-ocean services and information, focusing on safety of life and property at sea, integrated coastal management and society.
 - Request support from JCOMMOPS (DBCP TC and Ship Coordinator TC) to encourage participation from DBCP members for instrument deployment/ship recruitment .
 - Formal Request on DBCP Letterhead
 - Formal Request on IOC Letterhead


Network Status



Real-Time Data Quality Control



MARINE OBSERVATION MONITORING

Quality Control Tools




	Monthly Statistics	Blacklists	Daily Data plots	Other Tools
<div style="text-align: center;">  <p>Data Buoy</p> </div> <div style="text-align: center;">  <p>VOS Ship</p> </div>	<p>Buoys and VOS monthly statistics</p>	<p> BUOYS Blacklists Synthesis BUOYS Pressure (Global) BUOYS Pressure (Surfmar) BUOYS Pressure (MF) BUOYS SST (Global) BUOYS Positions (Global) BUOYS Ashore (Global) Some explanations here </p>	<p>Plots of data and differences with model outputs for BUOYS and VOS</p>	<p> Google Earth BUOYS map Nearest BUOYS BUOYS location on map Thermistor String BUOYS </p>
	<p>Statistics of comparisons with models outputs established by different meteorological centres. Enter the parameter and the station(s) you wish.</p>	<p> Blacklists (daily updated) : List of stations with dubious values for a given parameter (wind, sst, pressure, ...) for all stations or E-SURFMAR stations only. </p>	<p>Plots of data and plots of differences with some model outputs (QC plots) over the past two weeks for buoys or VOS.</p>	<p> VOS Indiv Control Panels VOS Observation Counters VOS : European AWS VOS list VOS : European AWS RIGS list Location of a buoy on a map Search for buoys close to another one or a given location. Access to individual control panels for VOS and consult VOS observation counters. </p>

Monitoring
Metadata
Maps

Usefull Internet Links (select domain needed)

- [EUCOS Monitoring on eucos.dwd.de](#)
- [Met Office Monitoring on research.metoffice.gov.uk](#)
- [ECMWF monitoring](#)
- [EUMETSAT SAF Ocean comparisons with satellite SST on saf.met.no](#)
- [A link to send feedbacks on dubious obs to data responsables through JCOMM Quality Control Relay](#)



Thank You

For Additional Information, please visit:

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



The screenshot shows a web browser window with the address bar displaying <http://www.meteo.shom.fr/ibpio/>. The page title is "IBPIO Homepage". The main content area features the title "International Buoy Programme for the Indian Ocean" in a stylized font. Below the title, it states "An Action Group of the Data Buoy Cooperation Panel (DBCP)". The page is organized into a grid of links, each with a small icon: "Why ?" (Programme Objectives), "Who ?" (Programme Management), "Who ?" (Participants), "Operations" (Operations), "News" (News), "Contacts" (Contacts), and "Links" (Links). A vertical blue sidebar on the left contains a globe icon and the following menu items: Summary, News, Operations, Participants, Management, Contacts, and Links. At the bottom of the page, there is a footer with the text "Comments, informations to the [Webmaster](#)" and "Last revised : August 26th, 2008".