



United Nations
Educational, Scientific and
Cultural Organization



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***Report from IOGOOS Pilot Project: Modelling for
Ocean Forecasting and Process Studies (MOFPS)***

IOGOOS-10, Mauritius, 21 Oct 2013

IOGOOS Pilot Project: ***Modelling for ocean forecasting and process studies***

Since 2008

Capacity Building

Indian Ocean developing States

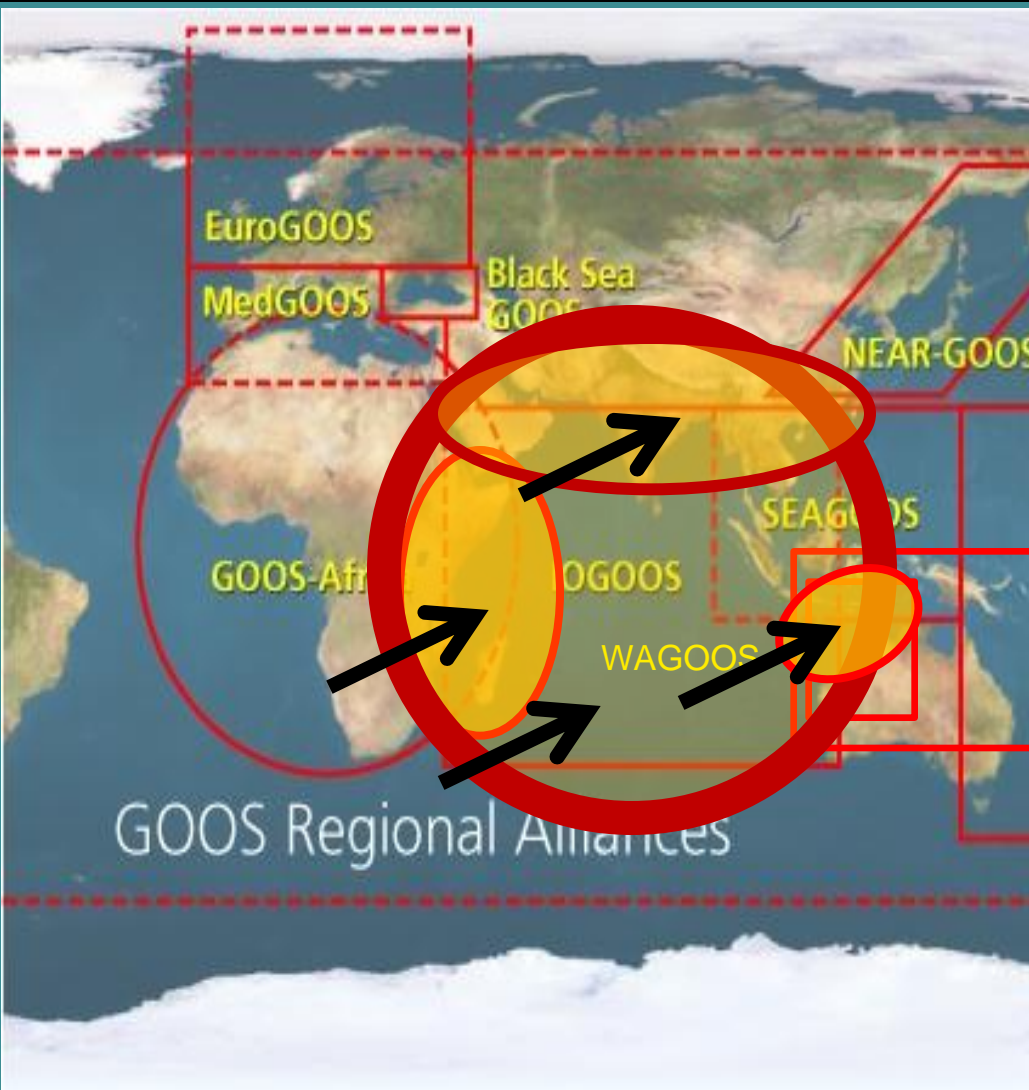
Bring benefits and build capacity of emerging 'underwater weather forecasting' and related modelling for cross-cutting objectives (industry, transport, ocean-climate links, sustainability, hazards/safety, biodiversity conservation etc)

Recently (2013)

link to an AusAID funded project, endorsed, supported by DFAT, IOC Perth, CSIRO, BoM

Responds to IOR-ARC interests (Indian Ocean Rim Association for Regional Cooperation) – as spoken about previously at IOGOOS meetings

PROPOSED DEMONSTRATION AREAS



OCEAN SCALE

Compare models against models
A vital aspect to determine model believability
and assist in development
(GODAE OceanView to be approached to
coordinate)
(IOGOOS and SEAGOOS projects can
overlap at this scale)

NORTH IO

Iran + India + BOBLME
(India lead)

SOUTH WEST IO

(Mauritius lead)

NORTH EAST IO

(WAGOOS lead)

**NB The pilot project (incl. Perth
workshop 28-30 March 2012) included
IOC Africa members**

MOFPS Perth March 2012 workshop

Funded by BoM Australia

IOC Perth hosting

Technical expertise from Australia / BLUElink / BoM / CSIRO

***India, Iran, South Africa, Kenya, Thailand, IOC WESTPAC,
Malaysia, PIGOOS, IMOS Australia, WAGOOS***

MOFPS Perth March 2012 workshop

re-affirmed the keen desire of stakeholders for the project

provided a good demonstration of MOFPS simulations, potential benefits

MOFPS Perth March 2012 workshop

Over-riding and consistent themes that emerged from workshop :

The need to run fully developed systems such as BLUElink, HYCOM etc in demonstration mode for key IO areas and to make those demonstrations available in user friendly formats in order that MOFPS members could advocate for resources for MOFPS in their own domains through direct demonstration to technical and non-technical audiences;

The need for specifically tailored capacity building (CB) across the full continuum from basic oceanography / marine science to modeling to ocean forecasting, but with the CB carried and tailored to meet the specific needs of each particular constituency responding to their respective levels of attainment of expertise along this continuum;

The need to develop and- comprehensive MOFPS CB project plan, fully budgeted and designed as suitable for submission to relevant sources of funding, which themselves are to be identified.

To take the MOFPS forward, a budget > \$20M still regarded as necessary

**Indian Ocean Rim Association for Regional
Cooperation (IOR-ARC)
&
AusAID (funding)**

**+ BoM Australia, CSIRO, IOC Perth
+ support from India, Sth Africa**

May 2013 workshop, Perth

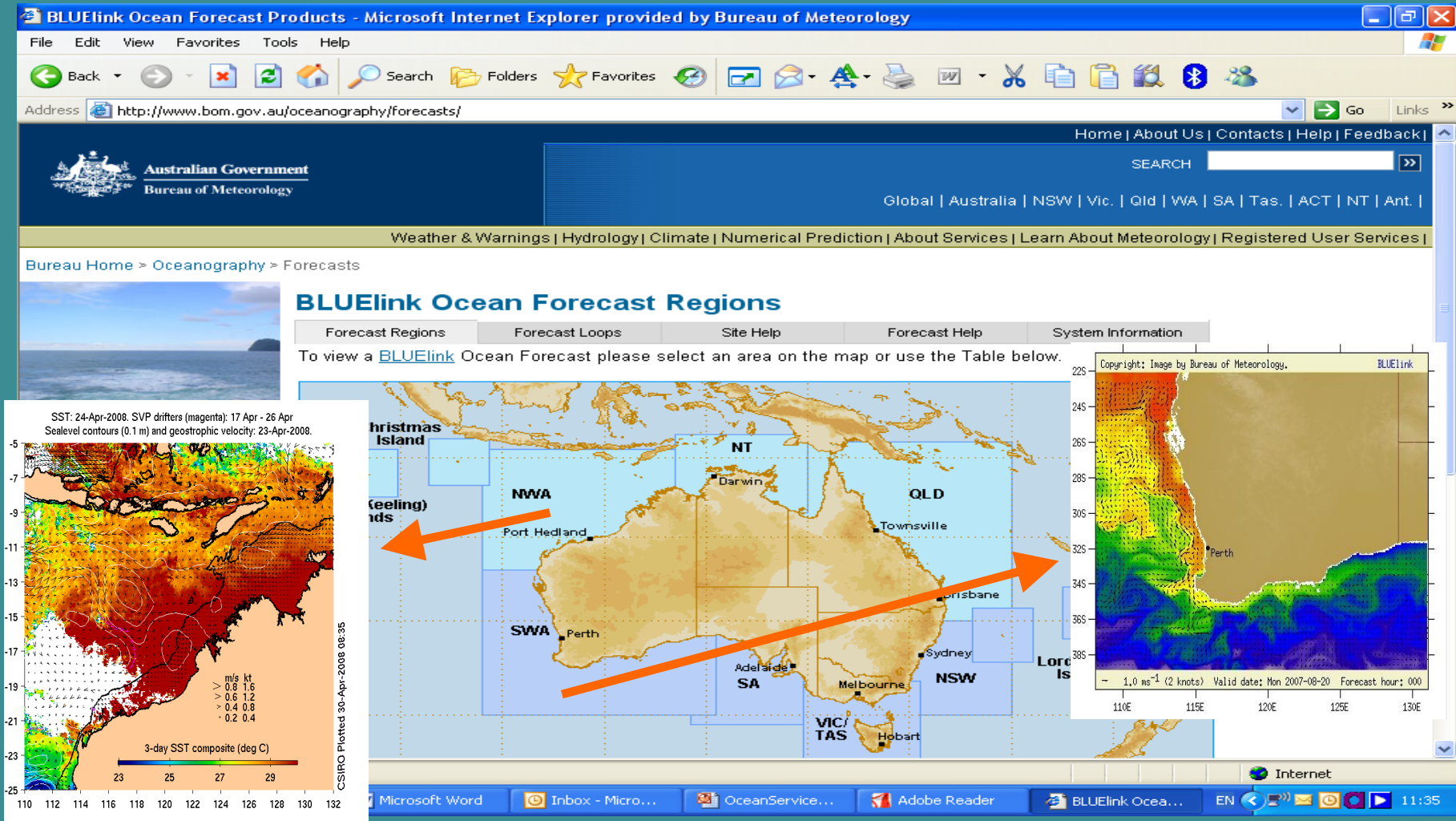
**Australia, Bangladesh, India, Indonesia, Iran, Kenya, Madagascar,
Malaysia, Mauritius, Oman, Sth Africa, Sri Lanka, Thailand,. UK,**

MOFPS closely integrated & linked to the workshop

**Communique produced (sent to ILOGOOS-10 via Nick D'Adamo's
report)**

IORARC meeting Perth Nov 2013 will note the workshop / MOFPS

IOR-ARC workshop Perth May 2013 used *BLUELINK Australia for Demo purposes*



MOFPS next steps

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There is now no budget for future meetings etc