

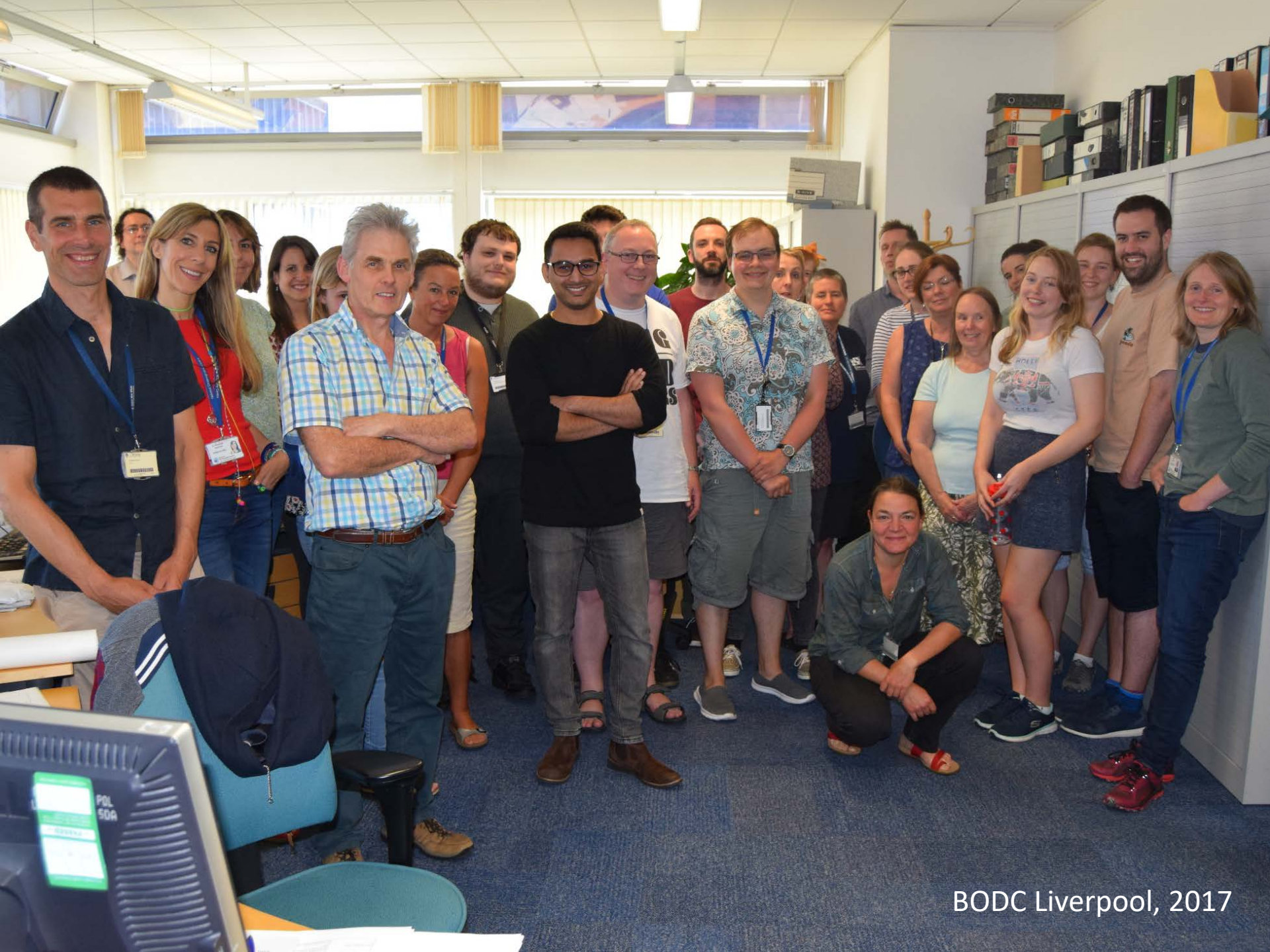
WHAT IS B.O.D.S.?

A national service to:—

- A** Locate, acquire and archive marine observations.
- B** Help users of oceanographic data by making it available in a convenient form.
- C** Collaborate with other data centres, national and international.

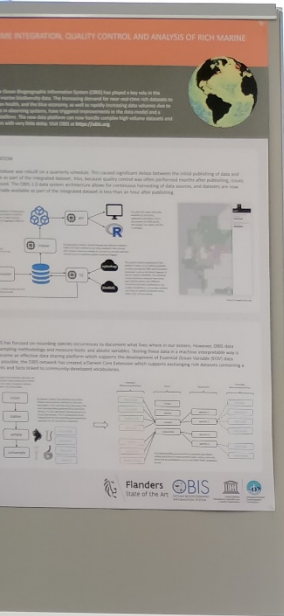


Bidston open day



BODC Accreditation as IODE NODC, Tokyo, 2019

THE INTEGRATION, QUALITY CONTROL, AND ANALYSIS OF BIODIVERSITY



Flinders State of the Art OBIS



ASSIS IN A TO

Increase quality results with Special Features

SHARKtoob

CHOO





IODE Officers meeting, 2007



EnParDis/NERC DataGrid metadata harmonisation mission
Obninsk, September 2004

SeaSearch Region 1 meeting
Latvia, May 2003



EuroGOOS &
EMODnet Physics
2018

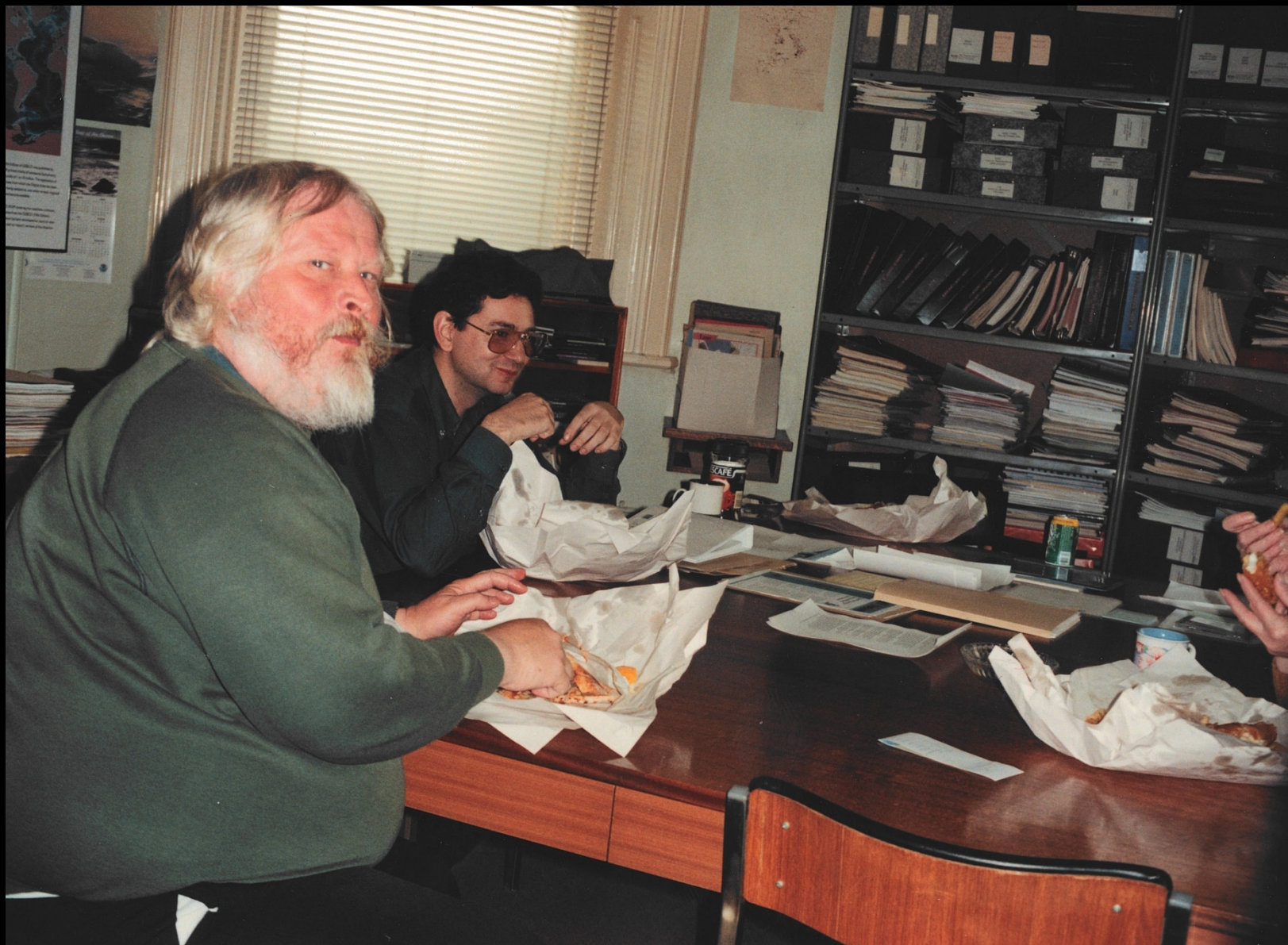




Japanese fact finding delegation, Bidston, 1995

Bidston Observatory





Bidston open day, meal break



Joseph Proudman Building opening, Liverpool, June 2004

**Marine
Information
and
Advisory**

**Marine
Information
and
Advisory**

Marine Information and Advisory Service

**Hydrographic
Stations**

Waves

Tides and Surges

Ocean Currents

**Marine Information
and
Advisory Service**

**Marine
Hydrographic
Station Survey**

ice





Ocean Margin Exchange (OMEX) meeting, Brussels



EnParDis/NERC DataGrid metadata harmonisation mission
Obninsk, September 2004





Visit to new BODC office under construction, Joseph Proudman Building, April 2003

Humboldt project meeting, Brest 2009







DISCOVERY

2C





Marine Data Management Working Group meeting, Helsinki, 2002

Hafen Hamburg hotel, biological data management conference, 2004





The Second International Workshop for GODAR-WESTPAC
10-12, November 2004
TOKYO, JAPAN





Visit to new BODC office under construction, Joseph Proudman Building, April 2003





Ocean Climate Data Workshop, Goddard, 1990



Marine Data Management meeting, Bidston, 2001

Hotel Universo
SeaDataNet/IMDIS
Lucca, 2013



IFREMER, Brest, September 2015 – Final SeaDataNet meeting





Japanese fact finding delegation, Bidston, 1995



SeaDataNet/IMDIS
Lucca, 2013



IMDIS, October 2016, Gdansk, Poland

GLOSS GE X, Paris, June 2007



BODC –
Leaving
Bidston, 2004



OMEX SSC, Plymouth, April 1999





Bidston Observatory, 2004

Marine Data Management Working Group meeting, Brussels, 2004





Hydrographic Stations

Hydrographic stations are used to collect data on the physical and chemical properties of the ocean. This data is used to create maps and charts that are essential for navigation and maritime safety.

Waves

Waves are a natural phenomenon that can cause significant damage to ships and coastal infrastructure. Understanding wave patterns and their effects is crucial for maritime safety.

Tides and Surges

Tides and surges are caused by the gravitational pull of the moon and sun. They can affect shipping schedules and coastal erosion.

Ocean Currents

Ocean currents are large-scale movements of water that can affect climate and shipping routes. Understanding these currents is essential for maritime navigation.

Marine Information and Advisory Service and Industrial data-gathering

The Marine Information and Advisory Service (MIAS) provides a range of services to the maritime industry, including data-gathering and advisory services.

MIAS Marine Information and Advisory Service

MIAS offers a range of services to the maritime industry, including data-gathering and advisory services. For more information, visit our website.

Marex graphic

Japanese fact finding delegation, Bidston, 1995



JGOFS SSC, Cape Town, 1998



GLOSS Station Handbook



Ocean Data Interoperability Platform (ODIP),
Paris, 2015





Vtrack system, 1992



IODE Project Office inauguration, Oostende, April 2005







SeaDataCloud, Riga, December 2016



Ocean Data Interoperability Platform (ODIP)
Scripps, San Diego, 2013









SeaDataNet excursion
Inaugural meeting
Heraklion, 2006



Hafen Hamburg hotel, biological data management conference, 2004



B

THIS IS AN ABERGLEN ORBITS STRUCTURE
MADE IN GLENROTHS SEE US ON STAND NO.101

Marine Information And advisory Service

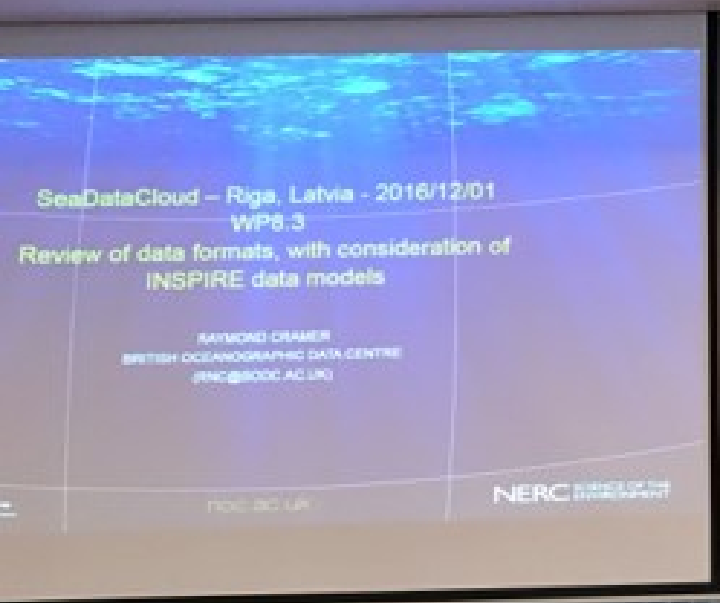


The plot stand demonstrates the support given by Government to British Industry's already proven offshore oil and gas capability



IODE XIV, Paris, 1992











Living and
breathing science

HOEGH

Staff in front of the new building (Joseph Proudman Building) Ca 1979







30 مارچ 1985
IODE officers meeting
cocktail party in my house

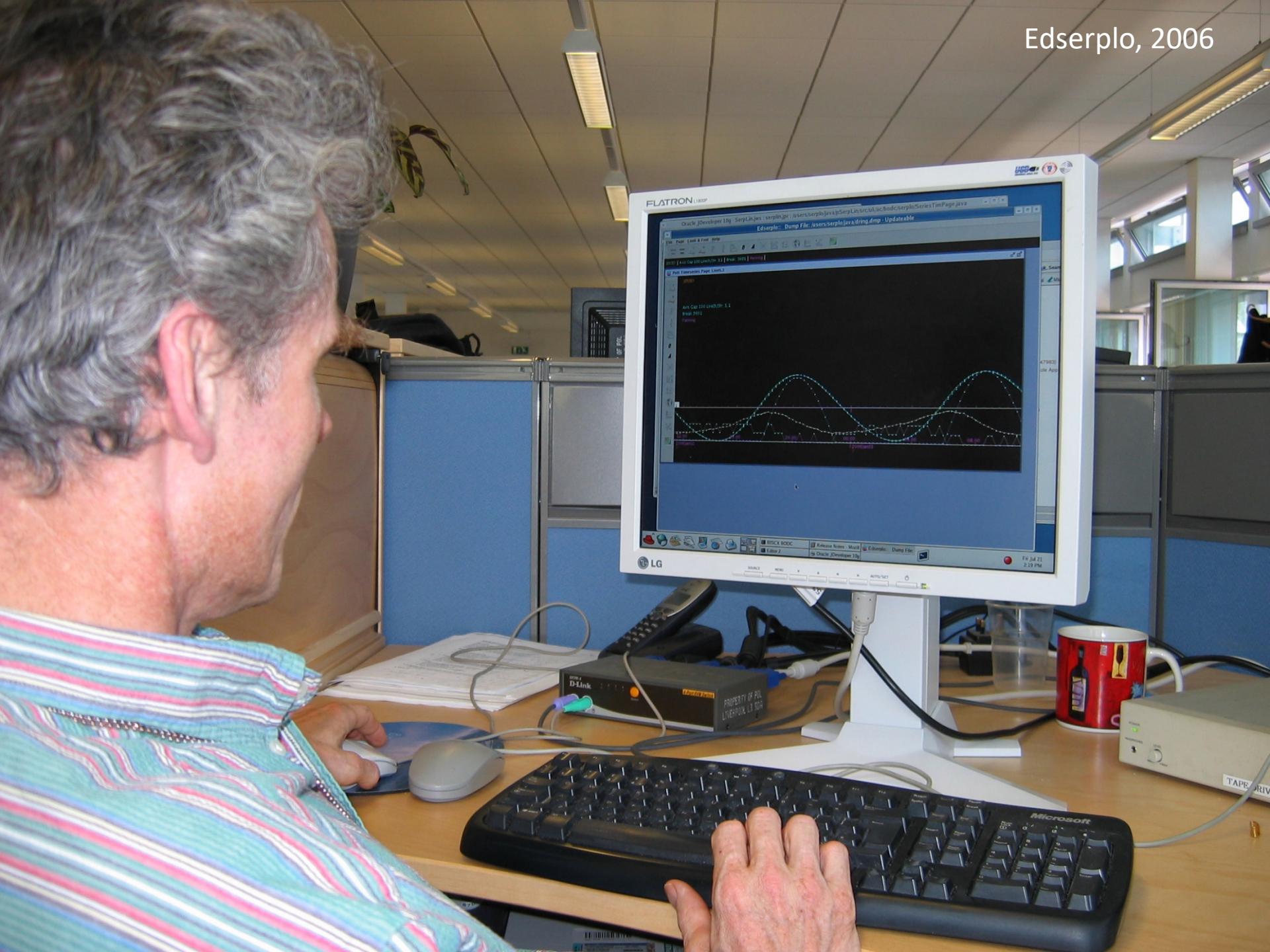


IODE-XVII, Paris, March 2003



EDIOS, 2003







Marine Data Management Working Group meeting, Copenhagen, 1996

Ocean Data and Information Network for Africa (ODINAFRICA)

The Ocean Data and Information Network for Africa (ODINAFRICA) was established by twenty Member States of the Intergovernmental Oceanographic Commission of UNESCO (Benin, Cameroon, Comoros, Côte d'Ivoire, Gabon, Ghana, Guinea, Kenya, Madagascar, Mauritania, Mauritius, Morocco, Mozambique, Nigeria, Senegal, Seychelles, South Africa, United Republic of Tanzania, Togo and Tunisia) with the aim of enabling member states from Africa to get access to data available in other data centres, develop skills for manipulation of data and preparation of data and information products, and develop infrastructure for archival, analysis and dissemination of the data and information products. In particular ODINAFRICA:

- Provides assistance with the development of National Oceanographic Data (and Information) Centres (NODICs) and establish their networking in Africa
- Provides training opportunities in marine data & information management to scientists from Africa
- Assists with the development and dissemination of marine data and information products responding to the needs of a wide variety of user groups using national and regional networks
- ODINAFRICA provides the platform for exchange of information between individuals and organizations that address coastal and marine environmental issues through its wide network.
- National Oceanographic Data and Information Centres have now been established in most of the countries from Africa
- Assists with the development and training of national oceanographic scientists
- Provides regional and international cooperation and training opportunities
- Assists with the development of national oceanographic infrastructure
- Assists with the development of national oceanographic infrastructure

Centres located at the Kenya Marine & Fisheries Research Institute (KMFRI) in Mombasa, Kenya and Centre de Recherches Océanologiques (CRO) in Abidjan, Côte d'Ivoire include:

- (i) Meta database containing information on location and availability of marine and coastal data/information in the respective countries (in MEDII format)
- (ii) Document delivery service to marine scientists in Africa
- (iii) Calculation of lists of recent additions to the Information Services Centre collection such as journals, and contents of scientific journals

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COMORES

UNESCO ODINAFRICA

Centre National de Données Océanographiques (CNDO)

Le Centre National de Données Océanographiques (CNDO) a été créé en 2003 en vertu de la loi n° 12/03 du 15 Mars 2003 relative à la décentralisation et à la déconcentration.

Le CNDO est un organisme public à caractère scientifique et technique, placé sous le contrôle de l'Etat.

Le CNDO a pour mission de collecter, traiter, archiver et diffuser les données océanographiques relatives à la zone économique exclusive (ZEE) des Comores.

Le CNDO est membre de l'Organisation des Nations Unies pour l'éducation, la science et la culture (UNESCO) et de l'Organisation internationale de la francophonie (OIF).

Le CNDO est également membre de l'Organisation internationale de la météorologie et de l'hydrologie (IHO) et de l'Organisation internationale de la navigation (OIN).

Le CNDO est en contact avec les autres centres de données océanographiques de la région africaine et mondiale.

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CAMEROON

UNESCO ODINAFRICA

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ODINAfrica seminar, 2003



OBI, 2005



Lesley Rickards awarded
50th Anniversary Commemorative Medal
IOC 50th anniversary, 2011





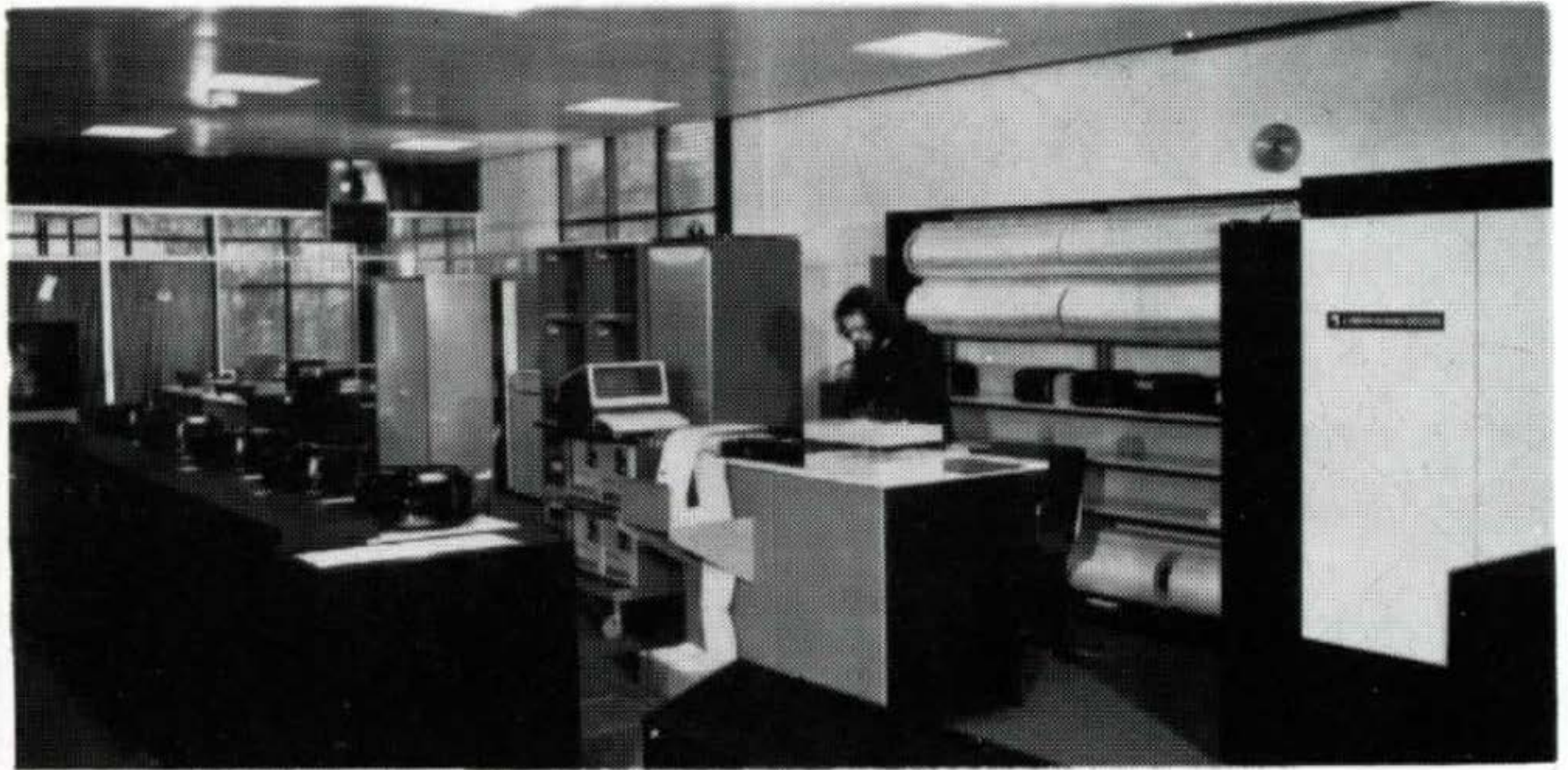


Roy Lowry awarded IODE Achievement Award
Oostende in February 2013



Seabed 2030
EGU, Vienna
April 2019





Honeywell Level 66 Model 20
(768,000 bytes of main memory)
Operational March 1978



2017 Bedern Anniversary (Historic Environment)



2007: IODE Dinner, Trieste



2018: Commonwealth Marine Economies Programme, St Lucia





IODE Officers meeting, Beijing, May 2009







Group of Experts on Biological and Chemical Data Management and Exchange Practices
IODE (GE-BICH)





The Marine Information and Advisory Service

Provides Geographic Information and data



The Marine Information and Advisory Service Data Bank







IODE 2015



IODE-XX, Beijing, May 2009

IODE-XIX, Trieste, March 2007



CHAIR

the
abdu salam

international centre for theoretical physics

IODE-XIX, Trieste, March 2007
Outgoing and incoming IODE chairs







EDIOS Meeting, April 2003

BODC offices
Bidston, 2004













National Physical Laboratory

Large Scale Model in Christchurch Bay
National Research Facility



MASON & NEWTON LTD
LONGPORT

BODS

Institute of Oceanographic Sciences

