

BOSCORF UPDATE

SUZIE MACLACHLAN

Headlines

- Staffing
- Logging, logging, logging...
- Metadata issues
- Core disposal
- New website
- New courses

BOSCORF Staff - 2015

Curator – Guy Rothwell



Lab technician – Mike Edwards



Deputy Curator – Suzie Maclachlan

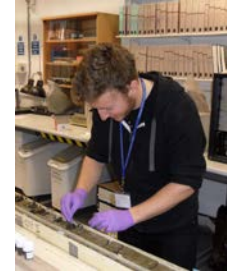


BOSCORG Staff - 2017

Curator – Suzie Maclachlan



Lab technician – Mike Edwards



Data Assistant - Lewis Bailey

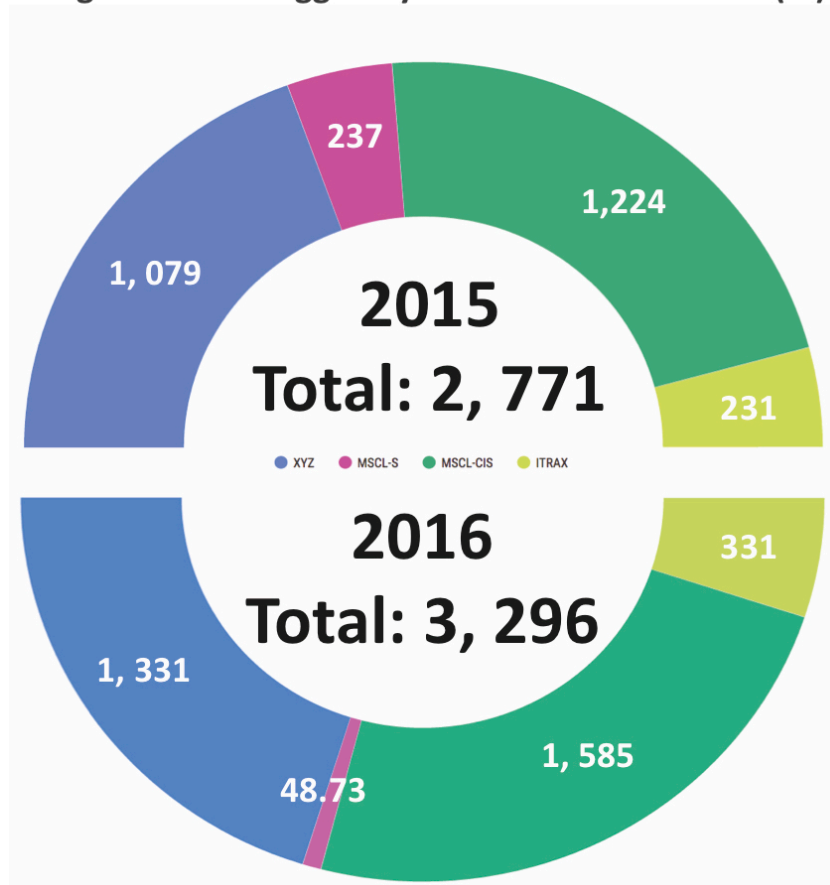


Curatorial Assistant – Millie Watts

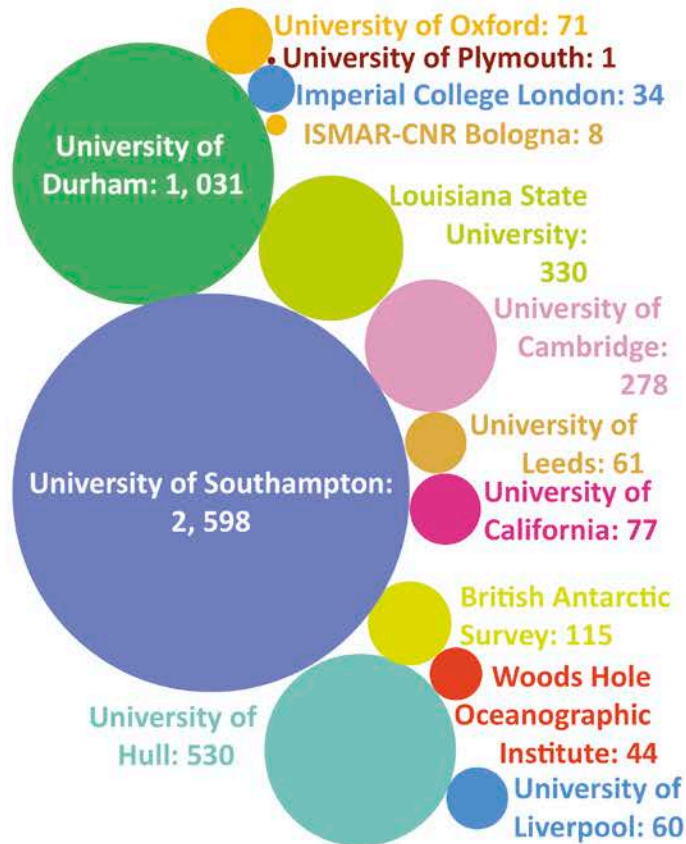


2012 – 564 m
2013 – 433 m
2014 – 1301 m

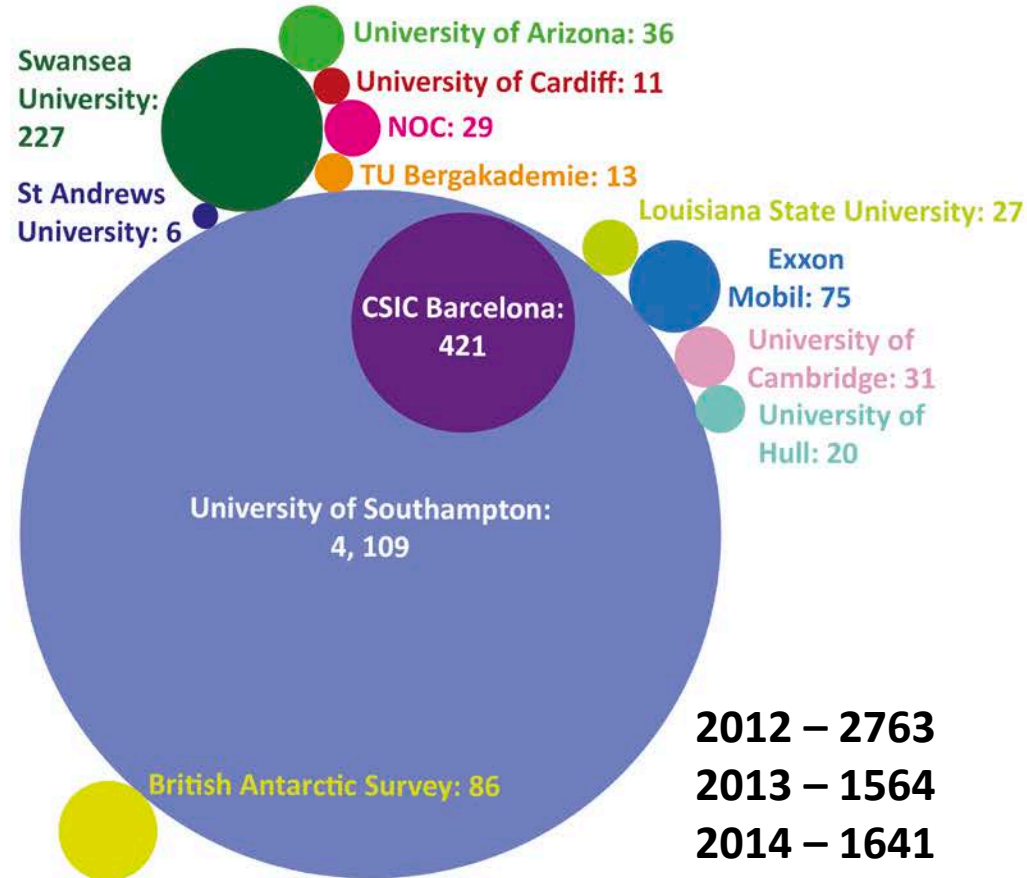
Length of cores logged by BOSCORF Instruments (m)



2015: 5238

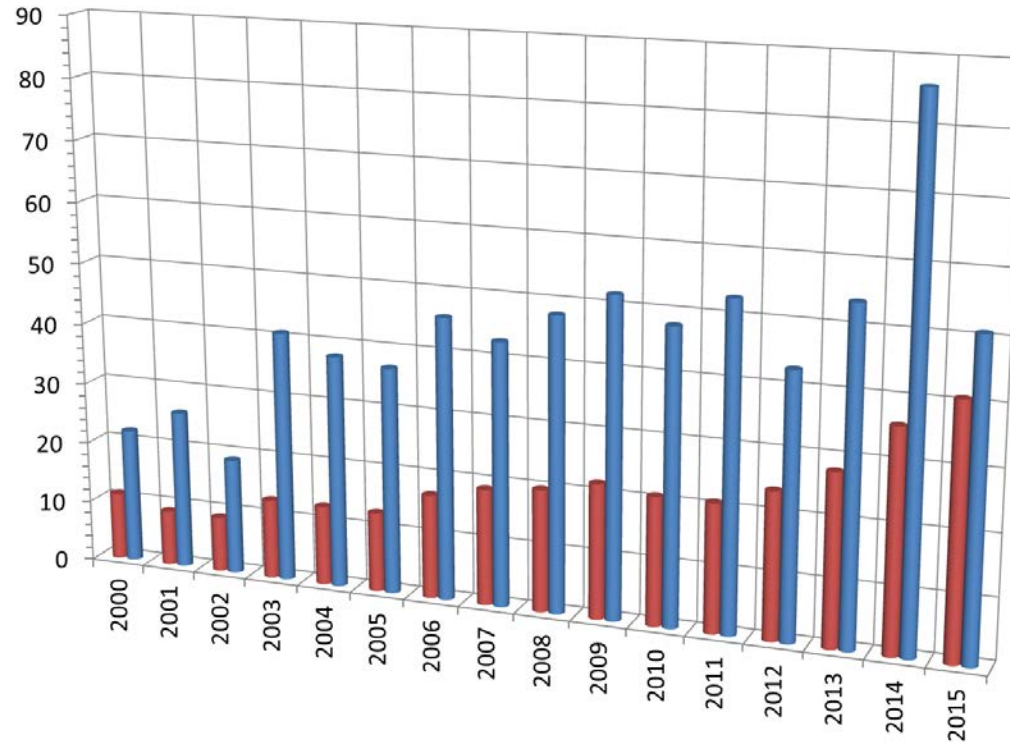


2016: 5091



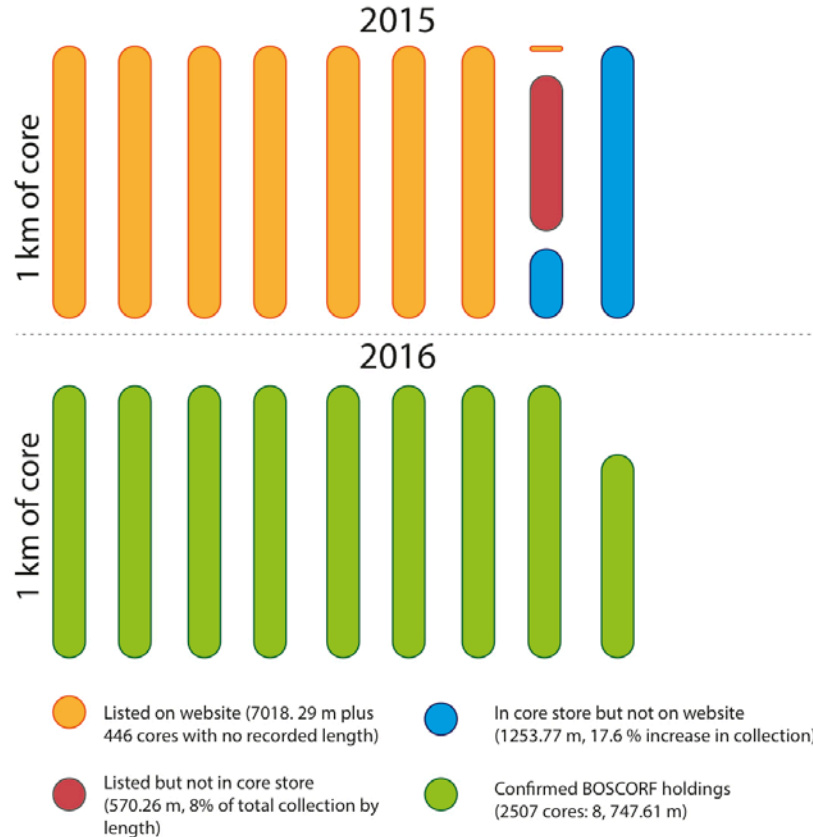
2012 – 2763
2013 – 1564
2014 – 1641

BOSCORF users



Metadata issues

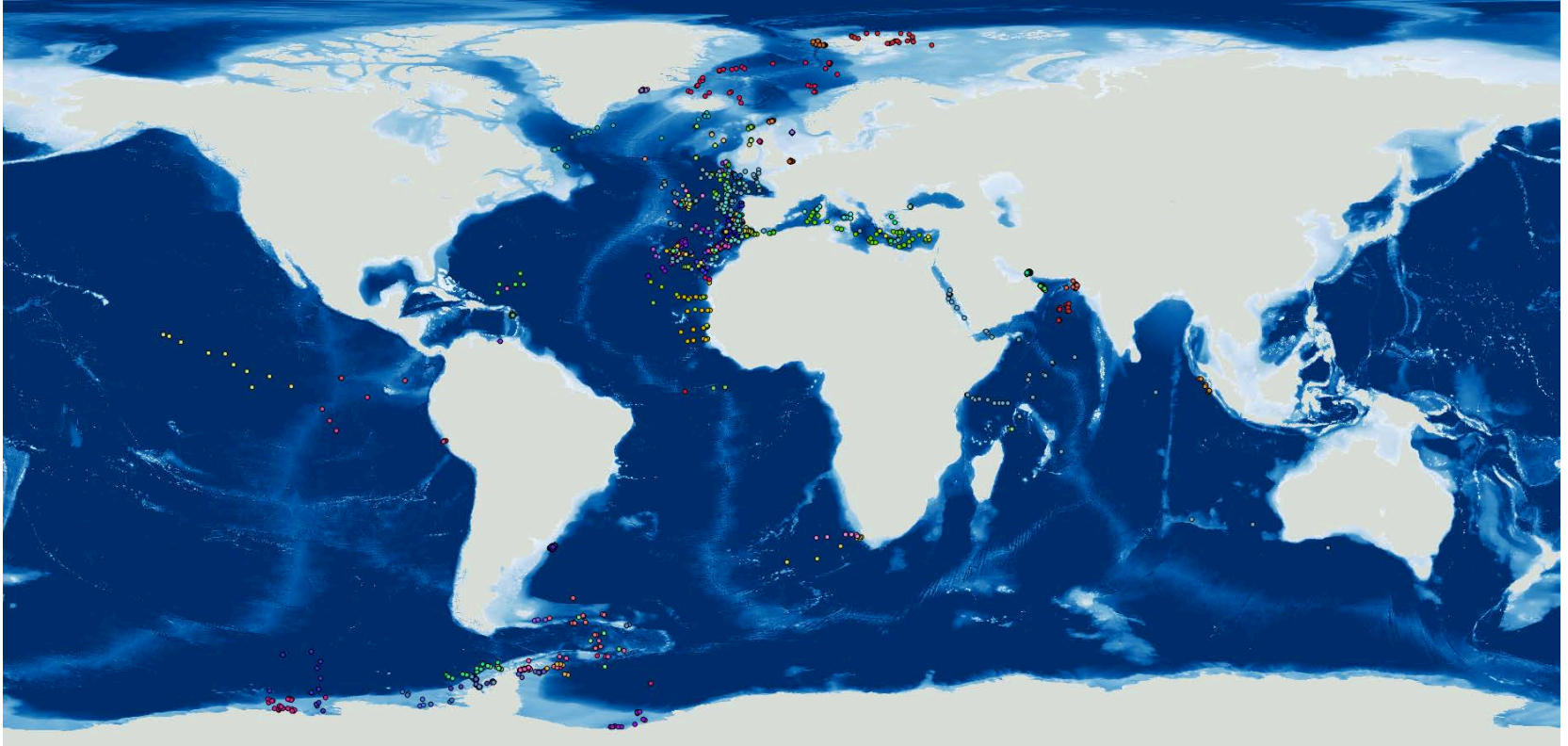
Total of
2507 cores
8747.61m



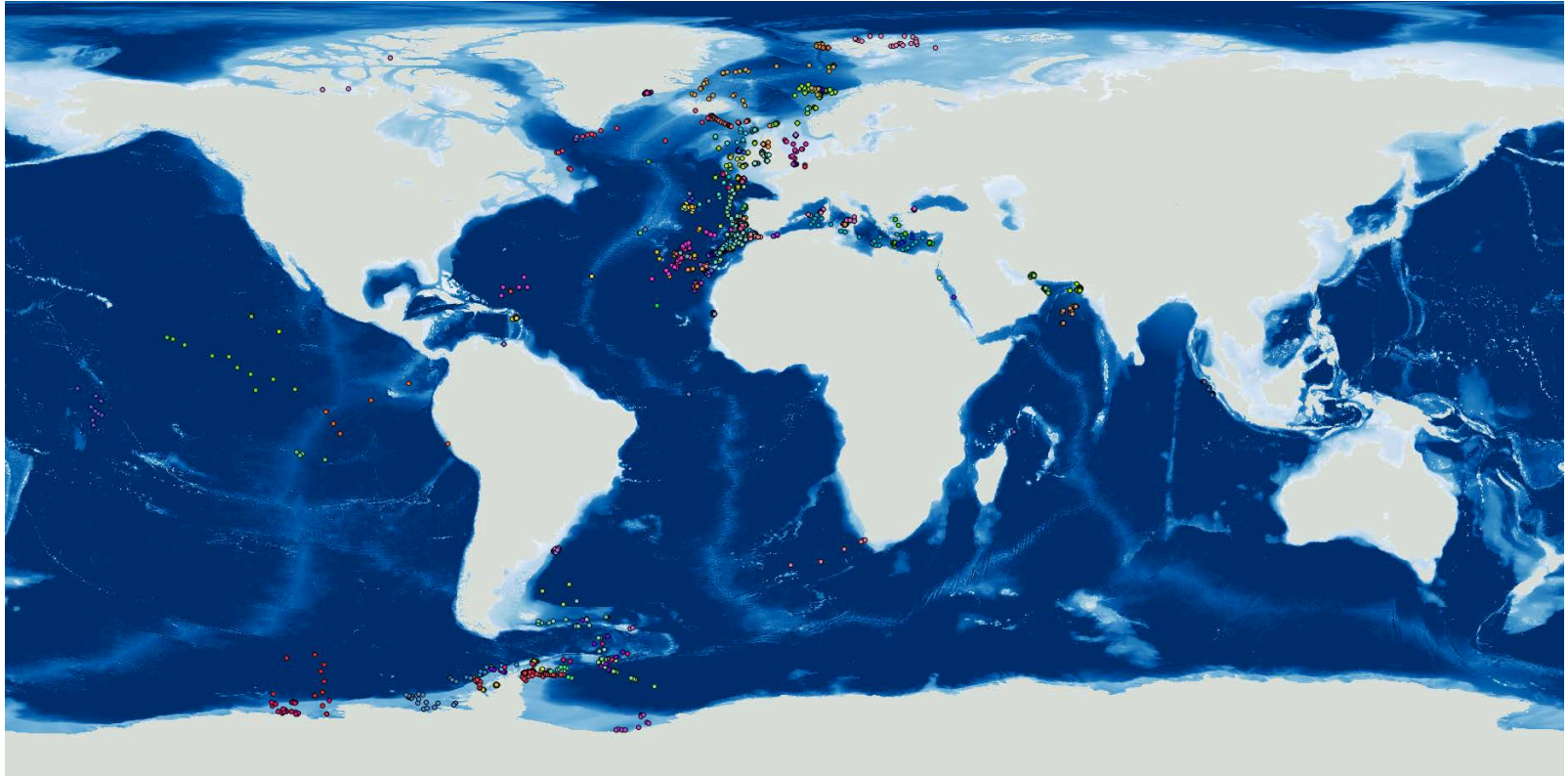
Cores on
web that do
not exist:
515 cores
570.26 m

Cores in
store not on
web:
806 cores
1253.77 m

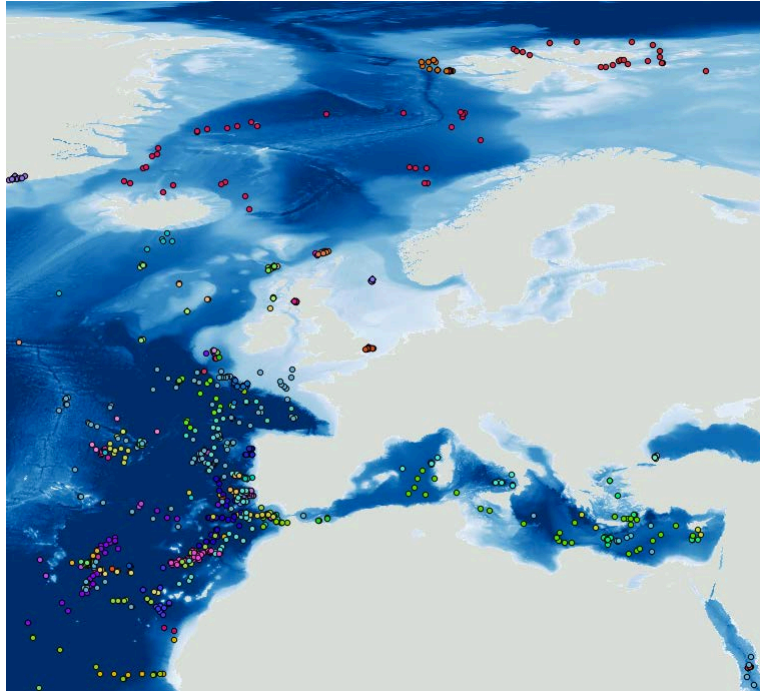
Old Core map



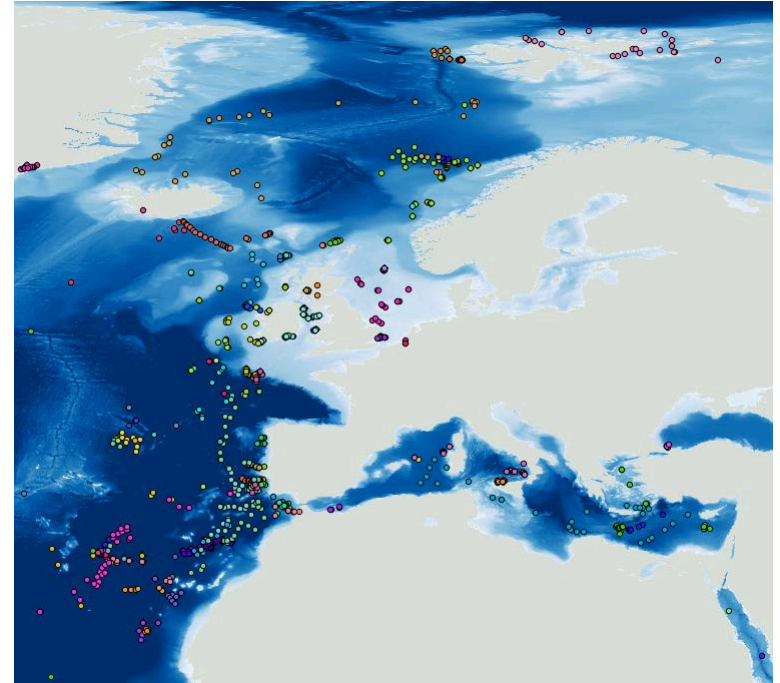
New Core map



Old map



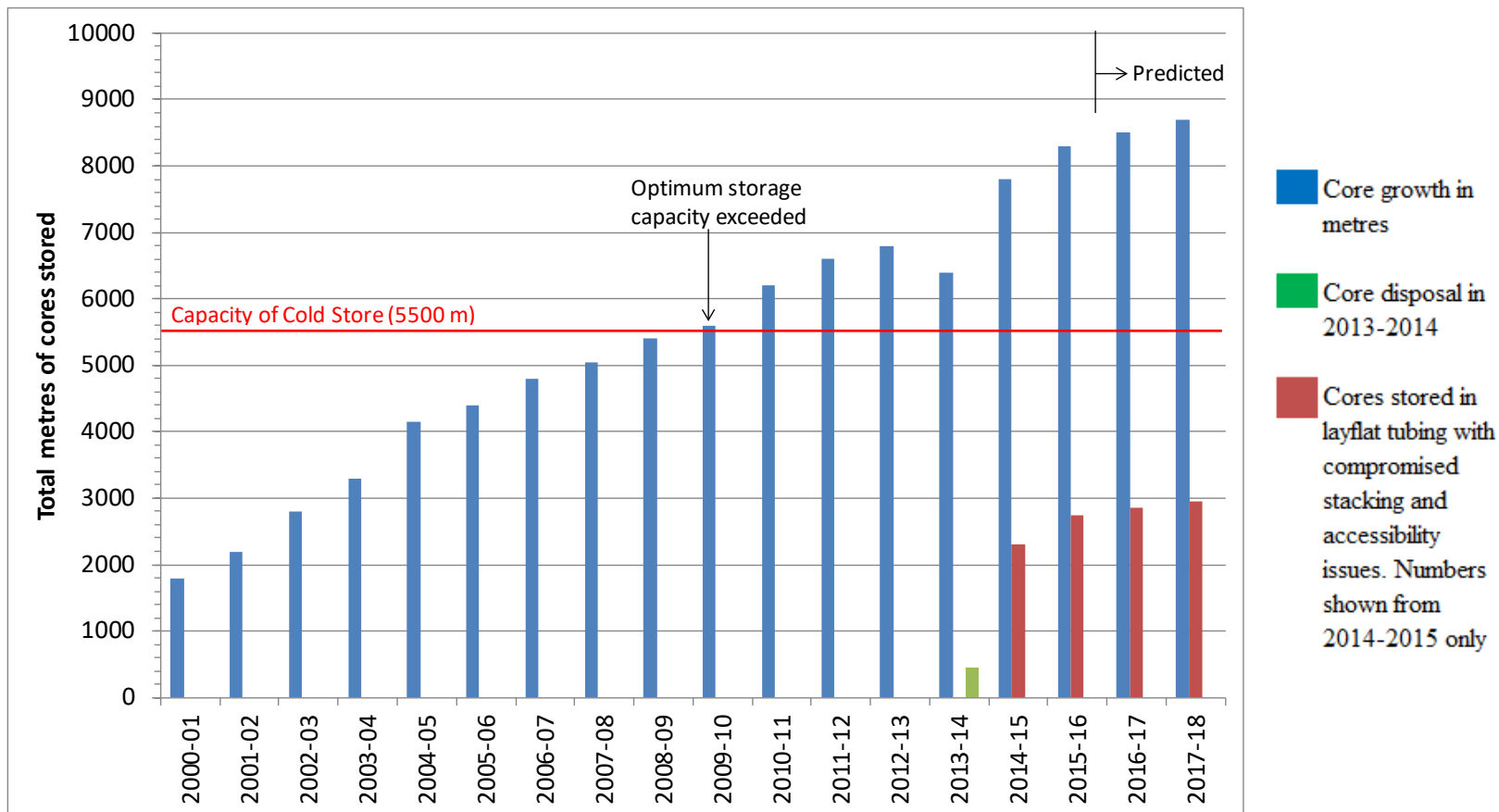
New map



Storage issues

Cores disposed of in
2016/17:
62 cores
417.44 m





Archiving NERC funded projects



147 cores (338 m) of
(BRITTICE-CHRONO)
sediment cores

397 cores expected in
spring 2018

New Website!


BOSCORG

[About](#) [Repository](#) [Instruments](#) [Outreach](#) [Visit](#)

Training and development

Offering support for postgraduate and post-doc researchers in all aspects of core analysis


[Discover more →](#)



About BOSCORG

The British Ocean Sediment Core Research Facility is Britain's national core repository, offering researchers access to the most comprehensive suite of state-of-the-art core logging facilities in the United Kingdom.

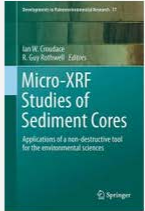
[Read more](#)



2017 Training course

Click here for links on both courses and details on how to apply

[Read more](#)



Our new book

Micro-XRF Studies of Sediment Cores Published by Springer in their Developments in Paleoenviromental Research book series (No. 17).

[Read more](#)



TWEETS
73

159

94

LIKES
9

 Follow

BOSCORF

@BOSCORF_NOC

UK National deep sea core repository,
offering optimal core storage,
non-destructive analysis, planning for
core collection & training.

 National Oceanography Centre,
 boscorf.org

Joined January 2017

 21 Photos and videos



Tweets

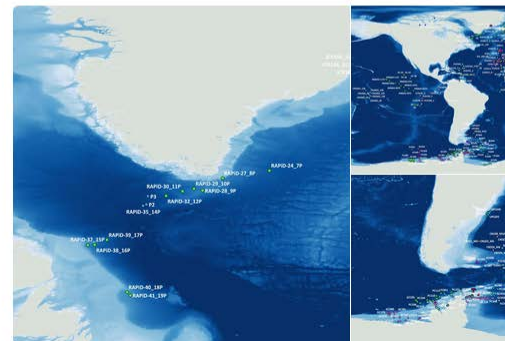
Tweets & replies

Media



BOSCORF @BOSCORF_NOC · 24h

We have updated our core holdings on our new website: boscorf.org/repository/rep... Please contact us for samples/lab time boscorf@noc.ac.uk



Training future scientists

Fully funded training short course for PhD students and early career researchers

**BOSCORF**
British Ocean Sediment Core Research Facility

Advanced Techniques in Sediment Core Analysis
BOSCORF, 4-6th September 2017.

A three-Day NERC Advanced Training Course hosted at the British Ocean Sediment Core Research Facility, Southampton.

Applications now open

BOSCORF is pleased to announce it is running a three-day course aimed at Ph.D. students and early stage researchers working on core sedimentary, lacustrine and marine sediments in the environmental sciences. Students will become familiar with the main types of core logging instruments currently in use, their principles of operation and the software solutions available for integration and analysis of large datasets. Practical exercises will reinforce and test understanding of the principles and applications covered by the course.



Course Objectives

After completing the course, the participants should:

- Be familiar with core logging instruments, operation and data types
- Gain experience of validating core logger data
- Gain experience of integrating and analysing large and diverse datasets
- Understand the scientific applications of core logger data
- Be aware of internationally accepted data protocols, cataloguing and accessibility

About the Facility

The British Ocean Sediment Core Research Facility (BOSCORF) provides an advanced state-of-the-art non-destructive core logging and analysis capability for the scientific community that is amongst the best in Europe. BOSCORF is key to enabling research on marine, lacustrine and terrestrial sediment records, which are critical for climate research, research into natural hazards, many aspects of Earth System science and environmental pollution.

Core loggers operated by BOSCORF include: i) the ITRAX micro-XRF core scanner that has the capacity to record elemental variations that provide insights into climate change, sediment provenance and heavy metal pollution at decadal, annual and even sub-annual scales; ii) the Geotek Standard Multi-Sensor Core Logger and Geotek XYZ Multi-Sensor Core Logger: MSCL-XYZ - the only instrument of its kind at a UK institution.

Applications open online - deadline 31st June

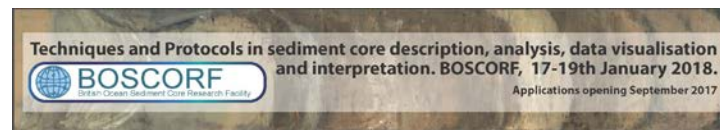
**NERC**
SCIENCE OF THE ENVIRONMENT

**National Oceanography Centre**
NATURAL ENVIRONMENT RESEARCH COUNCIL

Space is limited to 15 funded places for this course, awarded on a competitive basis to be assessed by the application form. Travel, accommodation and subsistence costs will be supported through an award from the NERC Advanced Training Scheme, making participation essentially free for participants. For more details on the course and for a programme please visit www.boscorf.org/repository/advanced-training-course or contact Dr Suzanne MacLachlan (s.maclachlan@noc.ac.uk). Applications must be received by 31 June 2017.

Training future scientists

New course designed for teaching basic skills to researchers new to sediment cores



A three-Day introductory NERC Training Course hosted at the British Ocean Sediment Core Research Facility, Southampton.



BOSCORF is pleased to announce a new course specifically designed for first year PhD students and ECR's new to working with sediments. This course will cover theoretical and practical skills for sediment sample collection, laboratory based analysis and interpretation of data.

The course will be delivered by both specialist staff at BOSCORF and the University of Southampton. BOSCORF provides a set of advanced non-destructive core logging and analysis facilities, amongst the best in Europe. The University of Southampton hosts state-of-the-art sediment dynamics research laboratories, including experimental research flumes, particle size analysis laboratory and field sampling equipment.



Course Objectives

After completing the course, the participants should:

- Understand the key theoretical and practical principles of sediment sampling, laboratory analysis techniques and interpretation of sediment datasets.
- Be aware of laboratory best practice and key sediment sample processing techniques.
- Gain experience using sedimentological core logging techniques and integrating other relevant data.



Course description

Day 1:
Sediment sample collection of near shore sediments from a working research vessel, and instruction on cataloguing of samples.

Day 2:
Best practise in laboratory techniques including: visual core logging, smear slide analysis, spectrophotometry and grain size analysis. This day will be lab based practicals.

Day 3:
Data interpretation and visualisation: this will make use of iPoint software for integration and interpretation, in addition to statistical analysis of acquired datasets.

For further information please check our website:

<http://www.boscorf.org/repository/nerc-advanced-training-course>

Course applications will open September 2017, online. For queries please email us at: boscorf@noc.ac.uk

