



“My favourite part of studying marine biology at Ocean and Earth Science was getting involved with survey work onboard the university research vessels. The research skills and experience I developed from trips onboard *R.V. Callista* and *R.V. Bill Conway* were fundamental in getting me to where I am today. Regular boat practicals during my degree gave me valuable hands-on experience using all of these methods and gave me a strong foundation for planning and conducting survey work as part of my job.”

Sally Stewart-Moore, graduated 2014
Environmental and Enforcement Officer
Northumberland Inshore Fisheries & Conservation Authority

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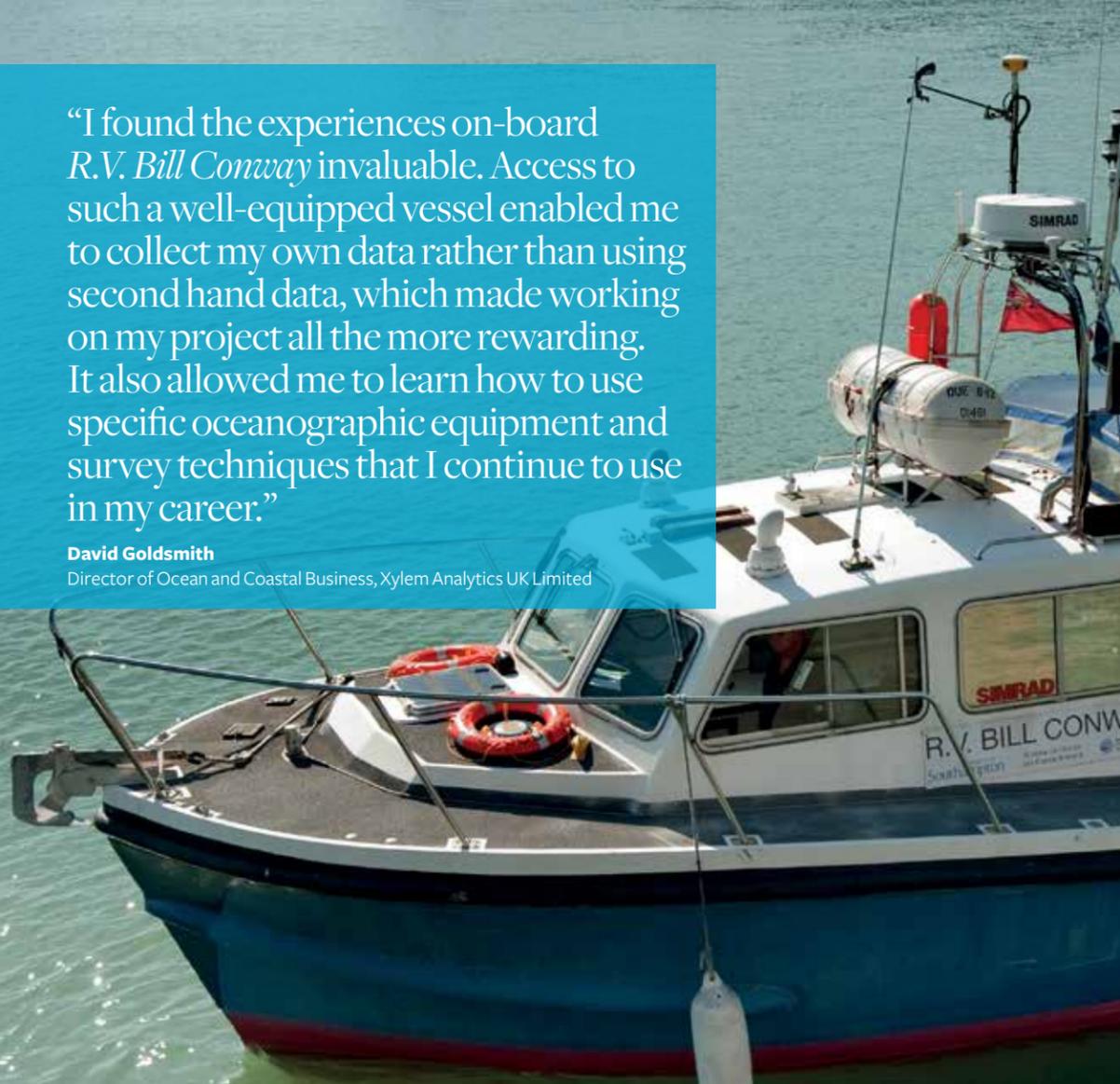
UNIVERSITY OF
Southampton



Investing in the future
A fundraising project for a new Research Vessel

“I found the experiences on-board *R.V. Bill Conway* invaluable. Access to such a well-equipped vessel enabled me to collect my own data rather than using second hand data, which made working on my project all the more rewarding. It also allowed me to learn how to use specific oceanographic equipment and survey techniques that I continue to use in my career.”

David Goldsmith
Director of Ocean and Coastal Business, Xylem Analytics UK Limited



A leading institution in education and research

Ocean and Earth Science (OES) at the University of Southampton, located at the National Oceanography Centre in Southampton, is one of the UK's leading higher education and research providers in the marine sciences. As a community, we seek to understand how the ocean works within the dynamic Earth system.

Our unique Waterfront Campus attracts prominent researchers and educators from around the world, who join us to work with our excellent cohort of undergraduate and postgraduate students. We have a world-renowned reputation for providing our

students with a highly innovative environment hosting cutting-edge facilities, including a small fleet of research vessels.

In the interest of maintaining our high quality learning environment we are embarking on a fundraising project to replace our teaching and research vessel *R.V. Bill Conway*, a Lochin 38. *Bill Conway* has given long and valued service as an inshore research vessel but it is now time to replace her with a modern fully-equipped vessel specifically designed for the needs of Ocean and Earth Science.

An investment in the future

The new vessel will give us scope to improve our capabilities for teaching and research at sea in the areas of oceanography, marine biology, geology and geophysics. It will play a significant role in developing outreach and charter activities. This new vessel will have a faster cruising speed, be more fuel efficient, carry more passengers and deploy a range of equipment.

We envisage that the vessel will work mainly inshore within the Solent but will be capable of working within coastal waters.

The new research vessel will support:

- Undergraduate and postgraduate teaching
- Collection of biological, chemical and sediment samples
- Oceanographic surveys
- Pollution studies
- Marine conservation investigations
- Education and training in all aspects of marine science
- Deployment of scientific equipment
- Science outreach
- Diving operations
- Commercial partners
- The marine science community

Dimensions

- Length 14-16 metres
- Crew of 2
- A-frame 1 tonne
- Beam 5-6 metres
- Passengers 18
- Side davit 200 kg
- Draft 1-1.5 metres
- Range ~ 400 miles



Image: Safehaven Marine



Image: Blythe Workcats

Artist's impression of the new Ocean and Earth Science Research Vessel.



Gaining practical experience aboard a coastal research vessel is an essential part of the training for any marine scientist.

The skills and insights that students develop during their 'boat work' are highly sought after by employers:

- Enhanced technical knowledge of marine science
- Practical ability in planning surveys in the changeable marine environment
- Experience of team-working, communication, and leadership
- Planning and collecting data samples
- Ability to step onto the deck of a survey vessel in the 'real world'

Employers have commended all of these abilities in our graduates and as a result our graduates are highly sought after in industry. We recognise that career success depends on a wide range of abilities in addition to technical knowledge. Boat work offers an essential experience to develop and demonstrate potential.



Public engagement through science outreach

Whether the participants are our students or some of the many school groups that join us for our successful *Discover Oceanography* outreach programme, boat work is a very effective environment in which to develop broader skills, from strengthening communication skills to gaining experience in leadership roles. Our outreach programmes seek to engage with a wider audience and educate them about the marine environment. We have engaged with over 20,000 school students and members of the public in the ten years we have been running *Discover Oceanography* and we see it as an invaluable tool in educating future generations in marine science.

How can you help?

We welcome your interest in this fundraising project. Find out how you help us make the idea of a new research vessel become a reality. We are seeking donations, support and sponsorship from companies and individuals.

The total cost for this new vessel will be £800,000 and we are seeking funding for £600,000.

Example of components required:

– Knuckle Boom Crane	£25,000	– Heating & Air Conditioning	£7,500
– Diesel Generator	£12,200	– Deck Floodlighting	£3,500
– A-frame System	£11,600		

Please see our website for further information.

Thank you for your interest and we look forward to updating you on the success of this project and our aims to maintain the high level of teaching and outreach here at Ocean and Earth Science.

Get in touch

If you would like to arrange a time to speak to someone about the fundraising initiative for our *Bill Conway* replacement research vessel please contact Stephen Hayward on 023 8059 6618 or by email s.a.hayward@southampton.ac.uk

We also have a web page dedicated to this project at www.southampton.ac.uk/oes