

Your **challenge**  
our solution



Pioneering knowledge and understanding of the marine environment for society's health, wealth and future

## Delivering quality with impact



**PARTNERSHIPS**  
WORLDWIDE IN MORE THAN



**10%** of PML scientists are in the top  
**1%** of environmental scientists worldwide



**PML works with governments, policy makers, environmental managers, industry and research organizations to understand how the ocean works and to help monitor society's activities in, and impacts on, the ocean.**

Scientific research is our fundamental business, with an interdisciplinary approach to tackling complex societal challenges a key strength. Demonstrating national and

international leadership in several fields, we enjoy a notable global reputation for the breadth, quality and relevance of the science we deliver. We collaborate with industry partners, including major companies in the shipping, offshore and tidal energy, and aquaculture sectors. Understanding the requirement to balance the range of goods and services the ocean gives us against the need for economic and

environmental sustainability is at the core of what we do. Our ability to bring together teams across disciplines to provide a multi-faceted approach to the challenges faced by the marine environment and those charged with managing or making a living from the seas, ensures flexible approaches for pragmatic solutions through high quality science for maximum impact.

# Flexible approach, pragmatic **solutions**

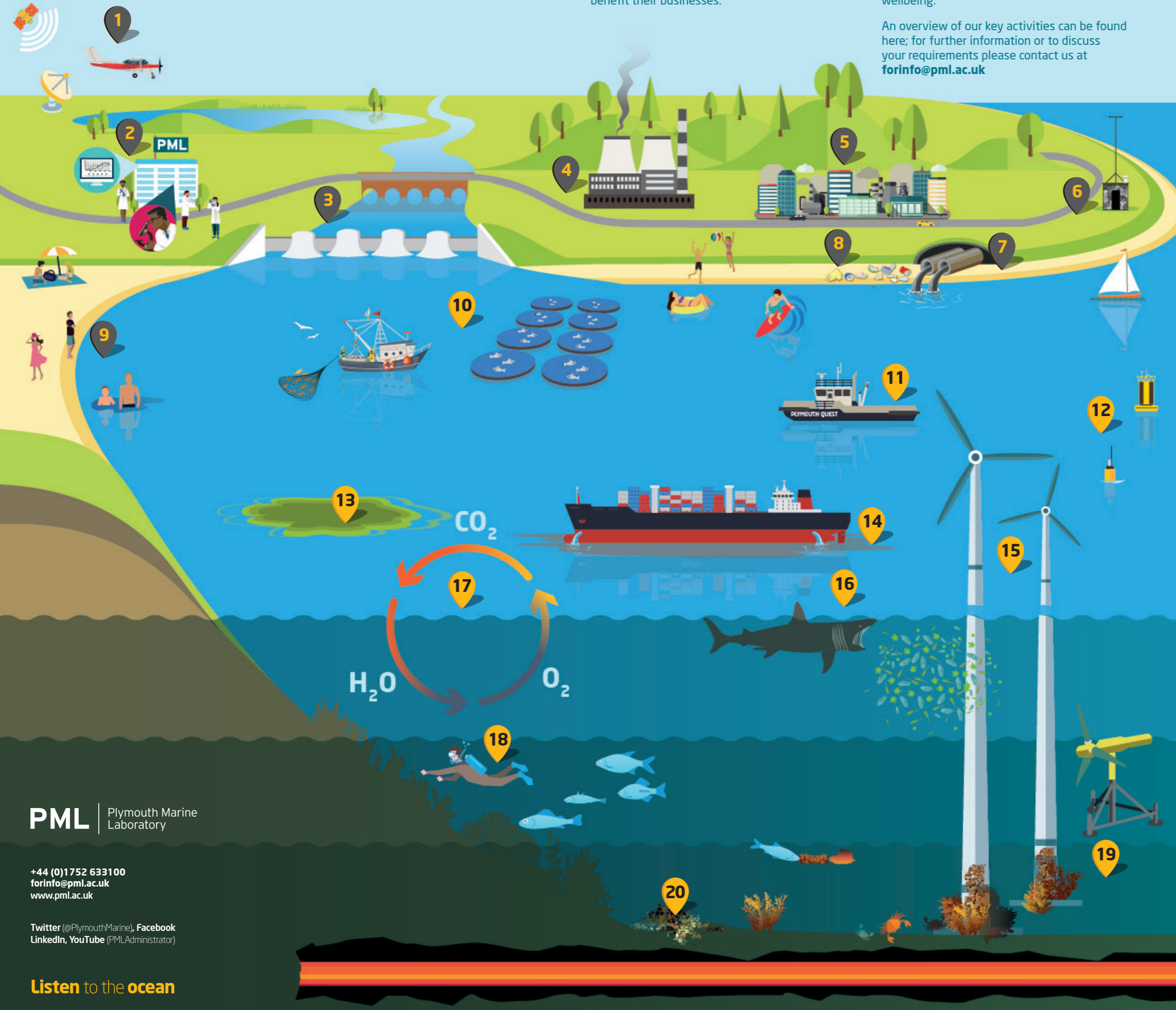
# The ocean is **our** business

PML's world-renowned research, backed up by state-of-the-art facilities, attracts academic, policy making and industry partners globally who recognise the unique combination of experience, expertise and facilities that can benefit their businesses.

The ocean is the world's largest ecosystem and faces increasing challenges. PML is at the forefront of, and in many cases leads developments in, research to understand and manage the pressures placed on the marine environment and society's wellbeing.

An overview of our key activities can be found here; for further information or to discuss your requirements please contact us at [forinfo@pml.ac.uk](mailto:forinfo@pml.ac.uk)

## Working with you for society's health, wealth and future



- 1 Satellite and airborne remote sensing for monitoring the environment
- 2 Advanced, high performance computing and technology for world-class environmental modelling
- 3 Ecological and socio-economic impacts of tidal barriers
- 4 Understanding consequences of anthropogenic CO<sub>2</sub> for the ocean, climate and society
- 5 Accessible science for policy decision makers
- 6 Monitoring air quality
- 7 Monitoring microbes for human health
- 8 Ecological impacts of plastics in the ocean
- 9 Valuation of ecosystem goods and services for sustainable management
- 10 Modelling fisheries' futures for food security
- 11 *Plymouth Quest* inshore survey vessel
- 12 Long-term monitoring for environmental change and test beds for instrumentation, including the Western Channel Observatory and the Atlantic Meridional Transect
- 13 Early detection of harmful algal blooms for human health and aquaculture
- 14 Ballast water treatment systems' testing and advice
- 15 Offshore energy technologies' impact on immediate environments
- 16 Marine Conservation Zone location advice
- 17 Investigating global chemical cycles' interface between atmosphere and ocean
- 18 Biodiversity studies of the shallow and surface ocean
- 19 Understanding and managing biofouling of subsea structures
- 20 Marine microbes for biotechnology
- 21 Sub-seabed carbon dioxide storage, detecting, monitoring and projecting potential leaks and their impacts

**PML** | Plymouth Marine Laboratory

+44 (0)1752 633100  
forinfo@pml.ac.uk  
www.pml.ac.uk

Twitter (@PlymouthMarine), Facebook  
LinkedIn, YouTube (PMLAdministrator)

Listen to the ocean