

# COAST

South West 2016

10 years of our changing coastline



The South West Regional Coastal Monitoring Programme (SWRCMP) was established in 2006 to measure and record changes along the full length of the South West coast from Portland Bill in Dorset to Beachley Point in Gloucestershire.

The Programme is a joint initiative of the Environment Agency, Defra and local authorities and aims to provide a standard, repeatable and cost-effective method of monitoring the coastal environment in the South West.

The Plymouth Coastal Observatory (PCO) is funded by the SWRCMP to collate all of the data from around the South West coast. The team, based at Plymouth University, is supported by private contractors using high-tech systems such as LiDAR and UAV photography. Information is gathered at set times of the year by taking GPS measurements along the same points of beach and coastline at low tide to map erosion, deposition and other trends.

Ten years of high quality data, charting the changing South West coastline, is available free of charge to groups, individuals or organisations who will benefit. The information is used by the Environment Agency, local authorities across the South West, consultants in coastal defence, conservation management and academic research as well as educational establishments nationally and internationally.

coastal.observatory@plymouth.ac.uk | @OfficialPCO

www.southwest.coastalmonitoring.org

#CoastSW2016

**With exhibits from:**

The South West Coast Path • Geovizix • CITIZAN • National Trust • Seaton Jurassic • CMAR  
Plymouth Coastal Observatory • Plymouth University • The Environment Agency



#CoastSW2016

Welcome to Coast South West 2016, where we hope you will learn something about the important work which has been undertaken by the South West Regional Coastal Monitoring Programme and the Plymouth Coastal Observatory since they were set up ten years ago.

Since 2006, the job of the scientists at the observatory has been to map and report on changes to this much-loved coastline which is vital to the economic and social wellbeing of the region.

This decade-worth of data, which is constantly updated, is available to government, both national and local, as well as universities, industry and anyone else who wants to see and make use of it – free of charge.

Today we're tweeting about #CoastSW2016 – we hope you will too!



**John Buttivant, Environment Agency**

John has worked for the Environment Agency for over 15 years and now works as a Coastal Engineer covering Porlock to Sharpness. He was actively involved in establishing the Coastal Monitoring Programme in the South West and sits on the Project Board for the National Network of Coastal Monitoring Programmes.

@EnvAgency



**Simon Humphry, Teignbridge District Council**

As Project Manager for the South West Regional Coastal Monitoring Programme, Simon works alongside the Plymouth Coastal Observatory team. Having previously worked for the Environment Agency, Simon has experience in flood risk management and coastal engineering.

@Teignbridge



**Philip Rees, South West Coastal Group**

As Chair of the South West Coastal Group, one of seven strategic coastal groups in England, Philip works with key partners in coastal management across the region. He is also a member of the South West Regional Flood and Coastal Committee and currently chairs its Finance Subcommittee.



**Miranda Krestovnikoff**

TV and radio broadcaster Miranda reports on natural history and the marine environment. As a presenter for the BBC's Coast series Miranda has visited projects and initiatives across the UK to see how changing environments impact on both wildlife and communities.

@MirandaKnature



**Alex Bellisario, CITIZAN**

Alex is the Archaeologist for Outreach for Heritage Lottery Funded project CITIZAN (Coastal and Intertidal Zone Archaeological Network). Launched in 2014, CITIZAN delivers community-based training to a network of volunteers with the skills and systems to record, monitor and highlight significant, fragile and threatened archaeological sites around the British coast.

@AlexHBellisario



**Emerald Siggery, Plymouth Coastal Observatory**

Emerald is Coastal Process Team Leader at the Plymouth Coastal Observatory (PCO), the data gathering arm of the South West Regional Coastal Monitoring Programme. The team compiles data from Portland Bill in Dorset to Beachley Point in Gloucestershire to inform government, business and academia.

@OfficialPCO



**Tony Flux, National Trust**

As a Coast and Marine Adviser for the National Trust, Tony supports coastal projects across the whole of the South West. The National Trust cares for more than 775 miles of Britain's coastline and has recently published the 'Shifting Shores' report, detailing the Trust's coastal adaptation strategies for the future.

@nationaltrust



**Professor Gerd Masselink, Plymouth University**

Gerd is a Professor of Coastal Geomorphology with over 20 years' experience in collecting and analysing coastal data. Gerd has led numerous Research Council funded projects involving nearshore wave and sediment transport processes. Gerd has recently launched CMAR, a research-informed consultancy addressing important issues in the coastal and marine environment.

@gmasselink



**Dr Tom Howard, Met Office**

Dr Tom Howard is interested in century-scale change in extreme coastal sea level, and joined the Met Office Hadley Centre for Climate Science and Services in 2005. He is currently working on the United Kingdom Climate Projections 2018 (UKCP18) project.

@metoffice