



Society for
Underwater
Technology

South West Evening Meeting

Satellite data for marine applications

Thursday 25 April 2019

Registration: 6pm Presentations: 6.30-8.30pm

Met Office Fitzroy Road Exeter EX1 3PB

This event is free to attend, however registration is essential.

*Register online at
www.sut.org/events*



Satellite data has transformed our lives and understanding on the earth systems. The aim of the session is to explore how satellite data can be harnessed for marine applications to solve a range of user challenges. The speakers will be available for networking and a light buffet will be provided.

Donna Lyndsay, European Space Agency UK Business Applications Regional Ambassador (South West England and South Wales)

The European Space Agency (ESA) is Europe's gateway to space. Its mission is to shape the development of Europe's space capability and ensure that investment in space continues to deliver benefits to the citizens of Europe and the world. Donna will explore the value of satellite data, its application for specific marine uses and the support ESA can provide.

Austin Capsey, Satellite Remote Sensing Technical Lead, UK Hydrographic Office (UKHO)

The UK Hydrographic Office is a leading centre for hydrography, providing marine geospatial data to inform maritime decisions. Working a wide range of data suppliers and partners to support maritime navigation, safety, security and marine development around the UK and worldwide. Austin is the Remote Sensing Technical lead at the UKHO and will discuss satellite derived bathymetry and present an overview of UKHO's use of satellite data to support broader marine uses.

Martin Jones, Head of Operations, ARGANS

ARGANS, is a UK-registered company with headquarters based in Plymouth UK. A specialist in satellite-based Earth Observation, remote-sensing applications and services, and geographical information systems used to map and monitor the marine, atmospheric and terrestrial environments. Martin has over 30 years' experience across the military geospatial intelligence domains and is now heading the delivery of Earth Observation services and software design within ARGANS, a specialist Plymouth based Environmental Services company.

Chris Burnett, General Manager, UK, TCarta

Leveraging a history of providing bathymetry and seafloor mapping data for marine applications, TCarta is one of the first commercial providers of high-resolution Satellite Derived Bathymetry. Satellite Derived Bathymetry provides water depth data in coastal and near shore areas and is created using advanced algorithms in combination with multispectral satellite imagery. TCarta's continued efforts in research and development focus on automation and technology improvements through employment of AI and Machine Learning. Several case studies will be presented of past projects where satellite derived marine data has been applied to solve real world problems.

Sam Lavender, Director, Pixalytics

Pixalytics is an independent consultancy company specialising in Earth observation. Combining cutting edge scientific knowledge with satellite and airborne data to provide answers to questions about our planet's resources and behaviour. Sam will provide an overview of the pioneering role of Pixalytics in pulling the latest science into specific applications and some of the future challenges/opportunities.

