

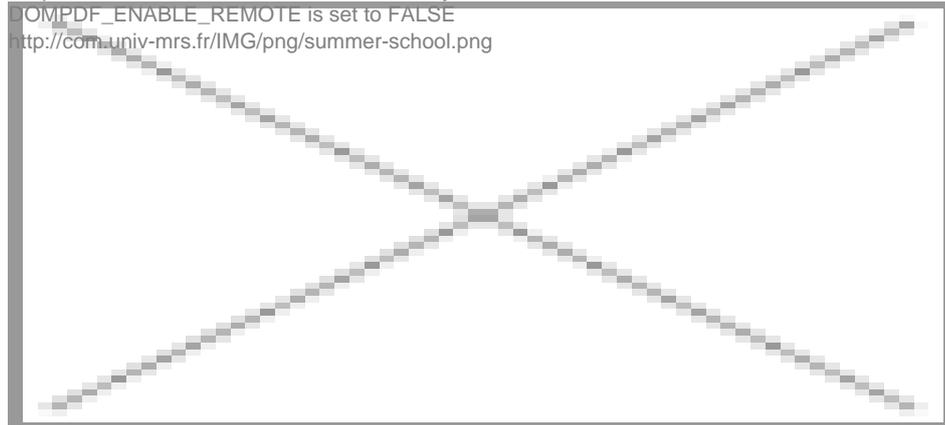


JERICO-NEXT Malta Summer School 2018 : Operational Oceanography for Blue Growth

"Operational Oceanography for Blue Growth is a week long summer school organised by the JERICO-NEXT project, hosted by the University of Malta (Physical Oceanography Research Group, Department of Geosciences). It will be held from 9th-14th July 2018 and delivered by an international range of renowned experts.



Event Coordinated by the Physical Oceanography Research Group
Member of the COPERNICUS Academy Network
Department of Geosciences, University of Malta



This activity forms part of the JERICO-NEXT WP8 capacity building activities and supported by the Copernicus Marine Environment Monitoring Service (CMEMS) and the European Marine Data and Observation Network (EMODnet).

The planning and funding of the course is provided by the H2020 JERICO-NEXT project with the support of the COPERNICUS Marine Environment Monitoring Service (CMEMS), and the European Marine Observation and Data Network (EMODnet).

The course will focus on oceanographic data exploration, elaboration and product creation for Blue Growth. The aim is to empower participants to source, interpret and merge available data, and to acquire the key skills to transform data into knowledge and added value products. More specifically the course is intended to give a broader perspective of the impact of technological development on the marine and maritime sector, on how the Internet of Things (IoT), Big Data, cloud computing and data analytics can provide new approaches to data management and knowledge creation in a smart technology-enabled future. The course will also cover current and future methods for data and information exchange, how and where value is created in and between organisations, and the new paradigms for performance and efficiency set by human machine interfaces. In particular, the summer school will consider how all these factors can increase Blue Growth and excellence in the marine and maritime economic sectors (such as oil and gas, renewables, living resources, policy, and tourism) and related services.

The summer school will include aspects on the future ocean economy, with a full day dedicated to the topic of marine and maritime economic trends in Europe, focussing on the regional seas, in particular the Mediterranean Sea and the Black Sea. This topic will also tackle how technological development, including numerical modelling of coastal domains, new sensors and data acquisition platforms, ICT and other emerging disruptive technologies, will impact ocean-based industries in the coming years. The European Union vision for the future of the oceans will provide the course setting for future aspirations and needs. The European Commission has been setting the pace through its Integrated Maritime Policy and more specifically by the Blue Growth initiative. This initiative identifies the potential for exploitation of technological developments to create smart and innovative applications, and for adding value to products and services provision that brings into action cutting edge levels of achievement and leads to economic benefits and competitiveness. The governance and venture structures needed to bring research and industry together will be described and are regarded as key enabling factors. Another important dimension concerns the revolution in social media ; Blue Growth is ultimately about delivering a societal impact and social media impacts will be considered in the context of engagement and impact.

The course will adopt a practical and hands-on approach. It will be delivered in a state-of-the-art computer lab environment offering the participants an individualised learning experience through practice. Dedicated sessions in the programme will link to the COPERNICUS Marine Environment Monitoring Service (CMEMS) and EMODnet, and together with the JERICO-NEXT Virtual Access portals will be used to showcase the relevance of their data streams through dedicated hands-on practical sessions. The summer school will build on the outreach activities of CMEMS, as well as those of EMODnet, and provide a great opportunity to showcase the complementarity between the two. The course will further serve as a platform to reach non-EU countries (especially from neighbouring countries in the Mediterranean Sea and Black Sea). The CMEMS and EMODnet sessions will tackle pre-prepared tasks to provide the participants with an on-the-job experience to tackle problem-solving situations and provide background knowledge required for the mini-hackathon in the last day of the course.

Voir en ligne : <http://www.jerico-ri.eu/events/oper...>