



30th September 2022

# European Researchers' Night BlueNIGHTS

## Programme of the initiatives in Italy

Venice, CNR-ISMAR Arsenale (Tesa 102) - From 2:00 pm to 6:00 pm (CET)

### Marine Waste: Challenge or Opportunity?

by: *Vanessa Moschino, Fantina Madricardo & Antonio Petrizzo (CNR-ISMAR)*

A workshop dedicated to the theme of marine waste, with particular reference to plastics and microplastics, the technologies developed for their recognition and for their recovery and industrial treatment, aimed at transforming waste into a resource.

### Maritime Spatial Planning (MSP): the New Venetian Tradition

by: *Andrea Barbanti, Stefano Menegon, Emiliano Ramieri & Amedeo Fadini (CNR-ISMAR)*

In this space, the presentation of Italy's first maritime plan and the opening of the consultation phase will be an opportunity to learn about the contribution of scientific research to marine spatial planning and the support that research can give to policy for a more sustainable environmental management of the ocean.

### Observing (Quantitatively) the Sea

by: *Angela Pomaro, Luciana Bertotti & Luigi Cavaleri (CNR-ISMAR)*

Discovering the experimental campaigns and measurement activities taking place at sea and through the Acqua Alta Oceanographic Platform. To learn more about what scientific research can contribute to the understanding of ongoing changes and in particular the events of 29 October 2018 (storm VAIA) and 12 November 2019 (ACQUA GRANDA).

### Lagoon Ecology: Alien Species and Tereidos

by: *Irene Guarneri, Davide Tagliapietra & Marco Sigovini (CNR-ISMAR)*

Getting to know the organisms living on the lagoon seabed (benthos), being able to distinguish between local and 'alien' species, and being able to recognise 'wood-eating' organisms (xylophages): here is a space dedicated to discovering old and new inhabitants of the lagoon and understanding the importance of this type of research.

### Oceans and Climate on Show

by: *UNESCO Regional Office, Venice*

A travelling exhibition organised as part of the Decade of the Sea dedicated to discovering the relationships that link the ocean and the climate will be the starting point for learning about and recognising natural meteorological and marine processes and phenomena with the aim of creating the new Ocean Generation.

Venice, Museum of Natural History "G. Ligabue" - From 6:00 pm to 10:00 pm (CET)

### EU Corner: The Science We Need for the Mediterranean Sea We Want

by: *National Contact Point Italia (EU), Commissione Oceanografica Italiana (COI, CNR-DSSTA)*

A space dedicated to learning about the European Union, how it works and debunking common stereotypes. In particular, you will find information on Europe's commitment and role in promoting the sustainable management of the oceans, as part of the Green Deal and SciNMeet programmes, as well as the funding opportunities that the European Commission provides for young people and young Europeans.

### AquaGranda: the Archive and more...

by: *Erica Villa, Giulia Saya & Valentine De Gobbi (DVRI), Costanza Sartoris & Carlo Romano Marcello Alessandro Santagiustina (UniVE)*

AquaGranda, the first collective digital memory of an extreme event related to climate change, has collected more than 40,000 photos, videos, audios and messages from citizens exchanged during the 2019 flood. Visitors will be able to interact with the team of researchers who created the archive.

### There is Wall and Wall! Discovering the Stones of Venice

by: *Francesca Alvisi (CNR-ISMAR), Ubaldo Cibir (ARPAE), Eva Sartori (UNIBO), Angela Squassina, Nicola Badan, Davide Zanon, Giada Maria Filippini & Lorenzo Mattiazzi (IUAV)*

This interactive workshop will be dedicated to discovering the rocks and stone materials used in the construction of Venice's historic buildings, to touch upon their physical and technical characteristics, and to investigate their local or 'exotic' geological origin, often linked to the sea.

### #Charismatic Adriatic: the Sea You Don't Expect

by: *Stranded Marine Animals Research and Intervention Group (UniPD-CERT)*

Discovering a multidisciplinary ecological model and sustainable development laboratory for the Northern Adriatic in the company of the people who dedicate their professionalism, time and passion to these activities.

### Maritime Spatial Planning (MSP): the New Venetian Tradition

by: *Folco Soffiatti, Fabio Carella, Hadi El Hage, Federica Gerla & Renato Boschetti (IUAV), Amedeo Fadini (CNR-ISMAR, IUAV)*

A meeting with people who have been engaged for over ten years in the research and development of maritime spatial planning techniques based on ecosystem management will be an opportunity to learn about the contribution of scientific research to marine spatial planning and the support that research can give to policy for a more sustainable environmental management of the sea.

### Algae and the Lagoon... something has changed

by: *Raffaella Trabucco, Linda Seggi & Simona Armeli Minicante (MUVE-MSN), Stefano Martellos (UniTS)*

The complete digitisation and study of the Vatova-Schiffner algaarium, the most important collection of algae in the Venice Lagoon from the early 20th century, is an opportunity to understand how to preserve and study a historical collection and how this is important for understanding the evolution of our territory.

### Sea Turtles at the Museum

by: *Cecilia Vianello & Nicola Novarini (MUVE-MSN)*

First aid interventions, data collection and awareness-raising activities: these are some of the actions that the Natural History Museum of Venice is committed to carrying out, also with the valuable contribution of citizenship, to monitor and protect sea turtles in the Upper Adriatic Sea.

### A European Network of Blue Schools for a More Sustainable Mediterranean

by: *Lorena Caselli, Michelle Amato & Sofia Gritti (IIS Capellini-Sauro), Manuela Cicala, Riccardo Savoia & Vanessa Bombardi (ITT G. Marconi), Chiara Finozzi, Martino Garziera & Tommaso Simonato (IC B. Nodari)*

Experimental activities, tales of sea and land, projects and dreams to be shared together with pupils, students and teachers of the EU Blue School Network participating in the BlueS\_Med project, who will experience what it means to be "Young Researchers for a Night".

### Why are Marine Sciences Important for Ocean Conservation?

by: *Silvia Merlino & Catia Chiappini (CNR-ISMAR), Chiara Colotti, Dario Brusco, Edoardo Scaletti & Fabio Santini (ITIS Zaccagna-Galilei)*

A meeting to meet the proposers of the photographic/artistic competition dedicated to European schools on the role of scientific knowledge in ocean conservation, and to contribute to the launch and dissemination of this important science communication initiative.

### "The Blue Room": an Interactive Space to Talk about the Sea

by: *Alessandro Gibertini & Elena Gissi (CNR-ISMAR), Stefano Barberis (INFN), Sara Rossini (Shibumi Floating Lab)*

In this 'silent room', in the company of guests from near and far, it will be possible to interact with the protagonists of marine research both in the presence and from a distance, to reason together on gender issues, and on the many daily actions that each of us can do to make our footprint less heavy on the marine environment.

### By Sea Sailing, Exploring, Studying: the Virtual Research Ship ARANDA

by: *Frédéric Colomina, Alain Bonnet & Brice Parolin (HOLO3), Francesca Alvisi (CNR-ISMAR), Ljudmila Vesikko (SYKE), Olga Mashkina (ACTeon)*

Developing a digital twin of an oceanographic ship is no joke! It is an opportunity to open an interactive window on marine research and the researchers' 'field' work by discovering and experiencing first-hand the various activities, immersing themselves in their daily lives and their floating environment.

Bologna, Piazza Lucio Dalla - From 5:00 pm to 11:00 pm (CET)

In collaboration with the project SOCIETY riPENSACi

### The Breath of the Ocean and the Earth in Geological Time and Human Time: Happy Endings or Unequal Challenge?

By: *Francesca Alvisi, Francesca Ape, Alessandra Asioli, Luca Bellucci, Enrico Bonatti, Lucilla Capotondi, Giorgio Castellan, Annamaria Correggiari, Giacomo Dalla Valle, Valentina Ferrante, Federica Fogliani, Andrea Gallerani, Luca Gasperini, Silvia Giuliani, Filomena Loreto, Camilla Palmiotto, Alina Polonia, Alessandro Remia, Giorgia Ridolfi, Stefania Romano, Fabio Savelli, Marco Taviani (CNR-ISMAR), Francesco Riminucci (Proambiente Bologna, CNR-ISMAR), Javier Perez Tarruella (Università Salamanca, CNR-ISMAR), Paolo Montagna (CNR-ISP)*

Integrated multidisciplinary activities on marine geology (past ocean and climate change, biodiversity, natural hazards and anthropogenic impacts, ocean floors, observational sites) and their impact on society. Educational workshops also for children with observation of samples and instruments.

### The ocean floor common heritage of mankind

By: *Giovanni Ardito (CNR-ISGI), Marzia Rovere (CNR-ISMAR)*

The ocean floor is a common heritage of mankind and conceals mineral deposits rich in copper, cobalt and nickel. An international authority has the task of administering them and protecting the marine environment at the same time. At the dawn of a new era of mining exploitation, we investigate what we know about the impacts this will have on ocean ecosystems and the legal framework that will regulate their environmental sustainability.

Naples, Naples University Federico II - From 6:00 pm to 11:00 pm (CET)

In collaboration with the project S.T.R.E.E.T.S.

### Discovering the seabed

By: *Mauro Caccavale (CNR-ISMAR)*

Let's dive together to discover the secrets of the deep sea and how the marine scientists can explore it, measure it, collect samples and data to reconstruct its history, characteristics and functioning, to imagine a more sustainable development for its future.

Trieste, Porto Vecchio, Immaginario Scientifico - From 6:00 pm to 11:00 pm (CET)

In collaboration with the project SHARPER

### Decarbonising our ocean and waters - Tracking CO2 in the sea: a PALOMA on the trail of changes in the Adriatic

By: *Valerio Caruso, Lorenzo Consorti & Carolina Cantoni (CNR-ISMAR)*

How does CO2 come into play in the complex chemical balance of seawater? An oceanographic laboratory in the Gulf of Trieste allows us to measure it and observe the changes it brings to our sea. Followed by anecdotes on the geology of the area through the lens of fossil marine organisms.



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