

# RETREAT 2024

September 25-27, 2024 - Centro Giovanni XXIII, Frascati (Rome)

## Agenda

### September 25

16:00 Registration of participants

18:00 Ice-breaking & poster tour

20:00 Dinner

### Plenary Session I – [live streaming link](#)

### September 26

9:00 Opening speech (M.C. Carrozza)

9:20 Future structure of CNR Marine Institutes (F. Petracchini)

9:40 Introduction and work programme (M. Sprovieri)

10:00 Challenges for future ocean research (F. Grant)

10:30 Expanding perspectives in marine science (V. Papathanassiou)

11:00 *Break*

11:15 The challenges of the G7 and Horizon Europe in marine sciences (F. Fava)

11:50 Satellite and ocean observation (P. Bontempi)

12:25 A dynamic Planet (J. Phipps Morgan)

13:00 Lunch

13:45 Presentation of Venice Headquarters activities (moderator: F. Falcieri)

14:30 Presentation of Bologna Branch Research Centre (moderator: A. Correggiari)

15:15 Presentation of Rome Branch Research Centre (moderator: F. Bignami)

16:00 Presentation of Naples Branch Research Centre (moderator: M. Sacchi)

16:30 *Break*

16:45 Presentation of La Spezia Branch Research Centre (moderator: M. Bianucci)

17:30 Presentation of Trieste Branch Research Centre (moderator: S. Cozzi)

17:50 Presentation of Florence Branch Research Centre (moderator: C. Brandini)

18:05 Poster Room Discussion

19:30 Topic specific meetings\*

20:30 Dinner

21:30 After Dinner & Teambuilding Activities

#### Venezia

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#### Bologna

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#### Lerici

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#### Napoli

Calata Porta Di Massa  
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#### Roma

Area della Ricerca  
di Roma 2 - Tor Vergata  
Via del Fosso del Cavaliere 100  
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#### Trieste

Area Science Park  
Basovizza - Edificio Q2  
Strada Statale 14, km 163.5  
34149 - Trieste, IT  
+39 040 3756872

## \*Topic specific meetings (start@19:30)

TOPIC	ROOM	LINK Teams
1.Oceanography	Tensostruttura	<a href="https://teams.microsoft.com/l/meetup-join/19%3aEVrl6FUtc0qwr6hAp40HcyeS1KpLKXilrThcsulgLpO1%40thread.tacv2/1726057444755?context=%7b%22Tid%22%3a%2234c64e9f-d27f-4edd-a1f0-1397f0c84f94%22%2c%22Oid%22%3a%22f269bf48-426b-49b3-a72e-888439771aef%22%7d">https://teams.microsoft.com/l/meetup-join/19%3aEVrl6FUtc0qwr6hAp40HcyeS1KpLKXilrThcsulgLpO1%40thread.tacv2/1726057444755?context=%7b%22Tid%22%3a%2234c64e9f-d27f-4edd-a1f0-1397f0c84f94%22%2c%22Oid%22%3a%22f269bf48-426b-49b3-a72e-888439771aef%22%7d</a>
2.Marine Geology	Aula Magna	<a href="https://teams.microsoft.com/l/meetup-join/19%3aEVrl6FUtc0qwr6hAp40HcyeS1KpLKXilrThcsulgLpO1%40thread.tacv2/1726056932209?context=%7b%22Tid%22%3a%2234c64e9f-d27f-4edd-a1f0-1397f0c84f94%22%2c%22Oid%22%3a%22f269bf48-426b-49b3-a72e-888439771aef%22%7d">https://teams.microsoft.com/l/meetup-join/19%3aEVrl6FUtc0qwr6hAp40HcyeS1KpLKXilrThcsulgLpO1%40thread.tacv2/1726056932209?context=%7b%22Tid%22%3a%2234c64e9f-d27f-4edd-a1f0-1397f0c84f94%22%2c%22Oid%22%3a%22f269bf48-426b-49b3-a72e-888439771aef%22%7d</a>
3.Research Infrastructures	Room A	<a href="https://teams.microsoft.com/l/meetup-join/19%3aEVrl6FUtc0qwr6hAp40HcyeS1KpLKXilrThcsulgLpO1%40thread.tacv2/1726057003873?context=%7b%22Tid%22%3a%2234c64e9f-d27f-4edd-a1f0-1397f0c84f94%22%2c%22Oid%22%3a%22f269bf48-426b-49b3-a72e-888439771aef%22%7d">https://teams.microsoft.com/l/meetup-join/19%3aEVrl6FUtc0qwr6hAp40HcyeS1KpLKXilrThcsulgLpO1%40thread.tacv2/1726057003873?context=%7b%22Tid%22%3a%2234c64e9f-d27f-4edd-a1f0-1397f0c84f94%22%2c%22Oid%22%3a%22f269bf48-426b-49b3-a72e-888439771aef%22%7d</a>
4.Ammministrazione	Room B	<a href="https://teams.microsoft.com/l/meetup-join/19%3aEVrl6FUtc0qwr6hAp40HcyeS1KpLKXilrThcsulgLpO1%40thread.tacv2/1726057086454?context=%7b%22Tid%22%3a%2234c64e9f-d27f-4edd-a1f0-1397f0c84f94%22%2c%22Oid%22%3a%22f269bf48-426b-49b3-a72e-888439771aef%22%7d">https://teams.microsoft.com/l/meetup-join/19%3aEVrl6FUtc0qwr6hAp40HcyeS1KpLKXilrThcsulgLpO1%40thread.tacv2/1726057086454?context=%7b%22Tid%22%3a%2234c64e9f-d27f-4edd-a1f0-1397f0c84f94%22%2c%22Oid%22%3a%22f269bf48-426b-49b3-a72e-888439771aef%22%7d</a>

## Plenary Session II – [live streaming link](#)

### September 27

8:45 The second year of Sustainable Blue Economy Partnership (M. Cappelletto)
9:15 ATLANTECO and ocean health (D. Iudicone)
9:45 TEDx on Institute Goal Oriented Units (10' speech for each GOU followed by discussion)
11:30 Break
11:45 Research Infrastructures at CNR (G. Pappalardo)
12:15 Research Infrastructures at ISMAR enabled by ITINERIS (A. Barbanti e L. Santoleri)
13:00 Lunch
13:45 NBFC and the Biodiversity Science Gateway (M. Labra)
14:15 Final points and discussion
14:45 Conclusions
15:00 Closing of the Retreat

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### **Paula S. Bontempi**

*e-mail: paulabontempi@uri.edu*

Paula Bontempi has been Dean of the Graduate School of Oceanography at the University of Rhode Island (URI-GSO) since September 2020. Prior to her current position, Bontempi served as acting deputy director at NASA's Earth Science Division in the Science Mission Directorate of NASA Headquarters in Washington, D.C., and spent more than 16 years as the physical scientist and program manager for ocean biology and biogeochemistry at NASA Headquarters.

Her scientific interests include Earth and ocean remote sensing, phytoplankton ecology, marine bio-optics, studying the Earth as a system, oceans across the solar system, the connection of ocean exploration to global economics, and the development of ocean sensors and innovative technologies. She has served as NASA Program Scientist with oversight responsibility for instrument and mission science integrity on flight missions, including Suomi National Polar-orbiting Partnership (NPP), Moderate Resolution Imaging Spectroradiometer (MODIS)-Terra, MODIS-Aqua, and the Plankton, Aerosol, Cloud, ocean Ecosystem (PACE) mission. She has a strong interest in mentorship and diversity, equity, inclusion, accessibility, and justice (DEIAJ) initiatives in science, technology, engineering and mathematics (STEM). Her Ph.D. in Oceanography is from URI-GSO, and she holds a Master of Science Degree from Texas A&M University, and a Bachelor of Science from Boston College. She served as a member of the NASA Unidentified Aerial Phenomenon Independent Study Team, a co-Chair of the National Academies of Science, Engineering, and Medicine study on Future Directions for Southern Ocean and Antarctic Nearshore and Coastal Research. She is a Fellow and President-Elect of The Oceanography Society.

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### **Jason Phipps Morgan**

*e-mail: japhmo@icloud.com*

Jason Phipps Morgan is professor of Geophysics and Director of the Earth Sciences Department at the Royal Holloway University of London. He formerly spent almost a decade at the Cornell University and before worked at the Scripps Institution of Oceanography in San Diego and also served as Director of Geodynamics Division at GEOMAR Research Center in Kiel. His scientific achievements have been recognized through numerous awards, including the James B. Macelwane Award of the American Geophysical Union and the A.E.H. Love Award of the European Union of Geosciences. He is currently editor of *Terra Nova* and associate editor of *Frontiers in Earth Sciences*. His main scientific interests include: large multiscale geodynamic problems in: (A) Mantle convection - specifically exploring the geodynamic effects of a plume-fed asthenosphere in well-resolved 3-D numerical experiments with strong and coupled buoyancy and viscosity variations (B) Carbon Sequestration in NY State - specifically developing a 3-D parallel code for porous flow in an unstructured grid (C) Flow and melting at ridges and subduction zones (D) 3-D Hydrothermal circulation at mid-ocean ridges (E) 3-D Hydrothermal circulation at subduction zones (F) Bend-faulting and mantle recarbonation.

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### **Vangelis Papathanassiou**

*e-mail: vpapath@hcmr.gr*

Research Director (retired) of the Institute of Oceanography in HCMR. Vangelis Papathanassiou has worked for more than 37 years in the fields of ecotoxicology, marine biology and ecology. He has long experience in international marine policy and management being also the Director (2003-

2006) and Acting Director (2009-2012) of the Institute of Oceanography. He has also worked for 1 year in the European Commission (DG-ENV) (1986-87) and was in the scientific group that created the principles of WFD ("Ecological Directive" at the time) for DG ENV. He has served as the Project Manager for the Marine and Coastal Environment in the European Environment Agency (EEA) (1996-1999). He was part of the BlueMed SRIA group and BlueMed Consortium and part of the scientific group developed the SRIA for the Black Sea (2014-2018). In 2017-2018 was the Project Manager for the marine environment for Saudi Arabia's Mega-Development Projects in the Red Sea (RED SEA and NEOM). He was the scientific co-organiser of the 1<sup>st</sup> FISH FORUM of FAO, in 2018. In terms of scientific projects he was the Coordinator of the EU Project IASON, and SESAME-IP (FP6) to explore and study the ecosystem changes of the Mediterranean and the Black Seas due to climate change. He also coordinated the EU project PERSEUS (2012-2015), to help the implementation of Marine Strategy Framework Directive (MSFD) in the Mediterranean and the Black Seas. His interests focus on policy-relevant marine research; he is currently acting as an advisor for the two HE Projects, BRIDGE-BS and DOORS, working on the SRIA Implementation in the Black Sea.

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**Fabio Fava**

*e-mail: [fabio.fava@unibo.it](mailto:fabio.fava@unibo.it)*

Fabio Fava, Full Professor of Industrial and Environmental Biotechnology at the School of Engineering of the University of Bologna since 2005, has over than 210 international peer-reviewed publications in the fields of Bioeconomy, in which he coordinated 2 european FP7 collaborative projects and other national projects. He is the Italian Representative in various panels of the European Commission (Brussels), among others, the European Bioeconomy Policy Forum and the States Representatives Group of the Public Private Partnership "Circular BioBased Europe" (CBE JU), and the Horizon EU Cluster VI programming Committee. He is also the Italian Representative in the Working Party on Biotechnology, Nanotechnology and Converging Technologies of the OECD (Paris).

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**Fiona Grant**

*e-mail: [fiona.grant@marine.ie](mailto:fiona.grant@marine.ie)*

Dr Fiona Grant, Head of International Programmes at the Marine Institute in Ireland, has been elected as the new Chair of the European Marine Board. Dr Grant has represented the Marine Institute at the European Marine Board since 2014, and has served as EMB vice-Chair since 2020. Dr Grant, who has a background in marine geology and geophysics, is the National Contact Point and National Delegate for Cluster 6 projects (Food, Bioeconomy, Natural Resources, Agriculture and Environment) under Horizon Europe, and is the national expert for the Mission to Restore our Ocean and Waters by 2030.

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**Margherita Cappelletto**

*e-mail: [margherita.cappelletto@cnr.it](mailto:margherita.cappelletto@cnr.it)*

Technologist at the Department of Earth System Science and Environmental Technologies of the National Research Council of Italy, with a background in Astronomy and Astrophysics and a Master degree in Science Communication, Margherita Cappelletto is seconded at the Italian Ministry of Universities and Research to coordinate the European Partnership on Sustainable Blue Economy. She is also one of the Italian

representatives in the Steering Committee of the Partnership, co-chairing it with the European Commission. Since years she works at the interface of science and policy, including international cooperation/networking programmes and projects targeting marine and maritime science and innovation. From 2016 to 2021, as project manager of the EC funded project BlueMed Coordination and Support Action, she has been supporting the intergovernmental R&I Initiative BlueMed for blue jobs and growth in the Mediterranean area. More recently she has supported the Italian Oceanographic Commission in developing the Mediterranean Programme for the UN-Decade of Ocean Science for Sustainable Development (2021-2030) and joined the Italian delegation at the General Assembly/Executive Council of the UNESCO Intergovernmental Oceanographic Commission.

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**Daniele Iudicone**

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Daniele Iudicone is a senior scientist at the Stazione Zoologica Anton Dohrn of Naples. He is a physicist and has extended the theory of oceanic water masses formation to the ocean biogeochemistry (including carbon). He directed large-scale, multidisciplinary studies merging oceanography with ecology, genomics and chemistry. A coordinator of the Tara Oceans 3-year global survey, during the G7 group activities he developed the concept of genomic "augmented observatory", which inspired two EU Flagship calls (Blue Growth 07bc), the EMBRC observatory network EMOBON and gave him a role as adviser in various international contexts. This deep integration between oceanography, laboratories and data science served to also design a new Augmented Observatory, NEREA, in the Gulf of Naples made of monthly mini-cruises with full genomics. It has already attracted 1.3M Euro. He then translated these innovative approaches into a large scale EU program for assessing the Atlantic microbiome health (AtlantECO.eu), started in September 2020. He is also the scientific director (with the CNRS) of the flagship expedition Mission Microbiomes, 21 months of highly advanced genomic sampling across two oceans.

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**Massimo Labra**

*e-mail: [massimo.labra@unimib.it](mailto:massimo.labra@unimib.it)*

Massimo Labra is Full Professor of General Botany at the University of Milano-Bicocca and founder and coordinator of the multidisciplinary research group ZooPlantLab ([zooplantlab.unimib.it](http://zooplantlab.unimib.it)) which studies biodiversity at different levels, in collaboration with public institutions and other stakeholders. His research activity is documented by almost 200 articles published in international scientific journals and by participation in 39 projects in which he was general or unit scientific coordinator. He has developed numerous projects in collaboration with companies, promoting innovation and technological transfer. He founded an academic spin off, a startup, he is the author of 3 patents and has registered 4 trademarks. At the institutional level, he has held various roles such as the rectoral delegate to sustainability (2015-19) and to the green & biodiversity areas of the Campus (from 2020). He was a member of the Technical Table relating to the National Recovery and Resilience Plan (PNRR) for the MUR is a member of the Supervisory Board of the Foundation for the Future of Cities, appointed by the Council of Ministers.

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## RETREAT 2024 - PRACTICAL INFORMATION

**Secretariat contacts** ✉ [segreteria.direzione@ismar.cnr.it](mailto:segreteria.direzione@ismar.cnr.it)

### Location

Via di Colle Pizzuto, 2, 00044 Frascati RM

Tel. (+39) 069416168

### Transfer service

25/09 -> first departure @ 14:30 (~every 10') from **Railway station FRASCATI** to **CENTRO GIOVANNI XXIII**

25/09 -> last departure @ 16:00 from **Railway station FRASCATI** to **CENTRO GIOVANNI XXIII**

27/09 -> first departure @ 15:00 (~every 10') from **CENTRO GIOVANNI XXIII** to **Railway station FRASCATI**

27/09 -> last departure @ 17:00 from **CENTRO GIOVANNI XXIII** to **Railway station FRASCATI**

### Participants Registration

#### ROOMS check-in

@Reception Centro  
GIOVANNI XXIII

#### MEETING registration

@Hall Centro GIOVANNI XXIII



#### Venezia

Tesa 104 - Arsenale,  
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