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AZTI Summer School 2024

Joint action from GES4SEAS, OBAMA-NEXT, BIOcean5D, ACTNOW, Marine SABRES and MARBEFES Horizon Europe projects

**Bridging the gap
between marine science
and policy:
Communicating for an
informed society and
decision-making**

Aquarium of San Sebastian
(Spain)

11th to 13th June 2024

Supported by:



Biographies of the teachers

Angel Borja

Director of AZTI SUMMER SCHOOL



Angel Borja studied Biology, obtained a PhD in Marine Ecology (University of the Basque Country, 1984) and is Doctor in Sciences (honoris causa) by the University of Hull (UK, 2015). He is Principal Investigator at AZTI, a private non-profit research foundation in Spain, where he has been also Head of the Department of Oceanography and Head of the Marine Environment Area. He is Distinguished Adjunct Professor, at the Faculty of Marine Sciences in the King Abdulaziz University (Saudi Arabia). His main work is making marine ecology research useful for policy-makers and managers, studying the effects of human activities on marine ecosystems, monitoring of marine waters and recovery after impact. This includes developing methodologies to assess the marine status under European directives (i.e. Water Framework Directive; Marine Strategy Framework Directive), being some of these methods used worldwide. He was member of the Scientific Committee of the European Environment Agency (2013-2020). He is author of more than 270 peer-reviewed papers (Hindex: 67), and Highly Cited Researcher 2018-2020 (Clarivate Analytics, Web of Science). Specialty Chief Editor of *Frontiers in Marine Ecosystem Ecology*, Associated Editor of *Continental Shelf Research* and *Journal of Sea Research*, and member of the Editorial Board of *Ecological Indicators*, *Marine Pollution Bulletin*, *Heliyon* and *Current Opinion in Environmental Science & Health*. Referee in more than 100 international journals and project evaluation agencies, is member of different advisory boards and scientific associations (ASLO, CERF, ECSA, ESP, SIBECOL), serving as chair in numerous international conferences. He has participated in more than 120 European and international projects, being the coordinator of the EU 7th FP project DEVOTES (DEVELOPMENT OF innovative Tools for understanding marine biodiversity and assessing good Environmental Status). He has been characterized by the continuous dissemination of science and organizer of the AZTI's successful marine summer school since 2004. He was awarded with the SETAC Environment Education Award in 2017, and the Lifetime Achievement Award in the International Conference on Benthos, in 2019 (Cochin, India).

Angel Borja studied Biology, obtained a PhD in Marine Ecology (University of the Basque Country, 1984) and is Doctor in Sciences (honoris causa) by the University of Hull (UK, 2015). He is Principal Investigator at AZTI, a private non-profit research foundation in Spain, where he has been also Head of the Department of Oceanography and Head of the Marine Environment Area. He is Distinguished Adjunct Professor, at the Faculty of Marine Sciences in the King Abdulaziz University (Saudi Arabia). His main work is making marine ecology research useful for policy-makers and managers, studying the effects of human activities on marine ecosystems, monitoring of marine waters and recovery after impact. This includes developing methodologies to assess the marine status under European directives (i.e. Water Framework Directive; Marine Strategy Framework Directive), being some of these methods used worldwide. He was member of the Scientific Committee of the European Environment Agency (2013-2020). He is author of more than 270 peer-reviewed papers (Hindex: 67), and Highly Cited Researcher 2018-2020 (Clarivate Analytics, Web of Science). Specialty Chief Editor of *Frontiers in Marine Ecosystem Ecology*, Associated Editor of *Continental Shelf Research* and *Journal of Sea Research*, and member of the Editorial Board of *Ecological Indicators*, *Marine Pollution Bulletin*, *Heliyon* and *Current Opinion in Environmental Science & Health*. Referee in more than 100 international journals and project evaluation agencies, is member of different advisory boards and scientific associations (ASLO, CERF, ECSA, ESP, SIBECOL), serving as chair in numerous international conferences. He has participated in more than 120 European and international projects, being the coordinator of the EU 7th FP project DEVOTES (DEVELOPMENT OF innovative Tools for understanding marine biodiversity and assessing good Environmental Status). He has been characterized by the continuous dissemination of science and organizer of the AZTI's successful marine summer school since 2004. He was awarded with the SETAC Environment Education Award in 2017, and the Lifetime Achievement Award in the International Conference on Benthos, in 2019 (Cochin, India).

https://www.researchgate.net/profile/Angel_Borja/

Sigi Gruber

June 11th 08:45-09:45

How scientists can reach and influence policymaking processes



Since 1 January 2021 retired European Commission Official, currently still working as Active Senior Advisor for the European Commission. From 2014 until 2021, she was the Head of the Healthy Ocean and Seas Unit, in the Directorate General for Research and Innovation of the European Commission. The Unit defined, implemented and monitored Research and Innovation strategies to support the European Union's marine and maritime related policies such as the Integrated Maritime Policy, its Blue Economy Agenda and the different Sea basin Strategies etc., thereby contributing to the sustainable and responsible management of marine resources, both in Europe and globally. The Unit coordinated and implemented together with the EU Member States and international partner countries the BlueMed Initiative, the All Atlantic Ocean Research Alliance and the Blue Growth calls of the Horizon 2020 Research and Innovation Programme. The Unit's work also co-created the moon-shot Mission on 'Restoring our Ocean and Water by 2030'; supported the UN Decade for Ocean Science and many other global initiatives; and shaped the Ocean and Seas related parts of Horizon Europe, the most important Research&Innovation Programme of the European Union. Sigi Gruber started to work for the European Commission in 1991, with different responsibilities in Education and Training, the Marie Curie Fellowships, the European Institute of Technologies, Universities and Research, International Science and Innovation Cooperation. Prior to joining the European Commission, she worked in the public and private sector in Italy and Germany. She is also co-founder of the intergenerational network OceanBridges, which is also a task team of the UN Decade's ECOPs Programme.

Dr. Stéphane Isoard

June 11th 09:45-10:45

Experiences from a European agency, working at the edge of science and policy



Stéphane Isoard is leading the freshwater and marine activities at the European Environment Agency (EEA, <http://www.eea.europa.eu/>). For further details please visit EEA's web site at <https://www.eea.europa.eu/themes/water> and the Water Information System for Europe (WISE) at <https://water.europa.eu/>

water.europa.eu/

Since joining the EEA in 2002, Stéphane Isoard has been responsible for developing outlooks across sectoral and environmental themes, before moving on to work on integrated assessments of climate change adaptation, and now leading the freshwater and marine operations. Before joining the EEA, Stéphane Isoard worked for the Institute for Prospective Technological Studies (European Commission-Joint Research Centre) and the consulting and software firm Caminus Ltd. on short and long-term energy and environmental forecast issues. He published extensively in international academic and scientific journals. Stéphane's background is in mathematical economics and modelling, and he took a Ph.D. from the University of Paris I - Panthéon Sorbonne in Economics.

Martin Alessandrini

June 11th 11:15-12:15

Communicating for policy-makers



Martin Alessandrini studied biology and obtained an engineering degree in Environment and Ecology (AgroParisTech, 2021). There, he gained experience in marine biology research. At CRIOBE (France), he first focused on the growth of French Polynesia corals in the context of rising sea levels. He then took part in monitoring marine megafauna and drawing up conservation plans for the La Plata dolphin in Argentina with the Fundación Mundo Marino (Argentina). Finally, at the Paul Ricard Oceanographic Institute (France), he monitored the health of the seagrass beds in the Lagune du Brusç, a Natura 2000 site.

Three years ago, he joined the Tara Ocean Foundation's Advocacy and International Cooperation team. He is now committed to bridging the gap between scientific research and politics to ensure science-based decision-making and better protect the Ocean.

LinkedIn profile: www.linkedin.com/in/martin-alessandrini-06833414a

Julie Bremner

June 11th 12:15-13:015

How to talk to governments



Julie is a Principal Marine Ecologist and science topic lead for Aquatic Food Systems at the Centre for Environment, Fisheries and Aquaculture Science, a UK government agency that provides aquatic research, evidence and advice. Julie has a PhD in marine ecology (University of Newcastle

Upon Tyne, 2005) and carried out postdoctoral research in the UK and Norway. She is an Honorary Senior Lecturer at the University of East Anglia (UK) and Biodiversity and Ecosystems lead at the Cefas/UEA Collaborative Centre for Sustainable Use of the Seas <https://research-portal.uea.ac.uk/en/organisations/collaborative-centre-for-sustainable-use-of-the-seas>. Julie's research explores the effects of human activities on marine biodiversity and ecosystems. Working with natural and social scientists, governments and industry, her research focusses on environmental sustainability, systems thinking and innovation in environmental monitoring and assessment. She is a scientific advisor to UK/overseas governments and industry and develops applied research in marine and coastal ecology and sustainable food systems. She is a keynote speaker, external reviewer for EU and other international funding proposals, PhD and MSc supervisor and examiner, and has science networks in >20 countries globally. Her work is funded by the UK Department for Environment, Food and Rural Affairs, UK Foreign, Commonwealth and Development Office, UK Research Councils (NERC, GCRF, Horizon Europe), industry and internal investment. She is an experienced programme lead, most recently as principal investigator for the UK-South African One Food programme onefoodcommunity.org and science leader for the Horizon project MARBEFES www.marbefes.eu/. Julie has published many research and advice reports, a book chapter, a podcast episode and 28 peer-reviewed papers (H-index 20). She has edited or reviewed hundreds of reports and papers and provides mentoring in scientific writing to colleagues and early career researchers.

Julie Bremner Google Scholar: https://scholar.google.co.uk/citations?hl=en&user=U_0B5a0AAAAJ&view_op=list_works&sortby=pubdate

Kathrin Kopke

June 12th 08:30-10:00

Navigating the challenges of Marine Science Communication – an exploration into accessibility of evidence based scientific marine information



Kathrin Kopke is a Senior Research Coordinator in the MaREI centre in University College Cork, Ireland and leads the transdisciplinary SCEI research group, that specialises in science communication, participatory stakeholder engagement and creating wider societal impact for coastal and

marine research. Since joining UCC in 2005, she has been working on national and internationally funded research projects that address marine pollution, cultural and natural ecosystem services, coastal eco-engineering, and adaptation to climate change. Kathrin is a co-Chair of the International Coastal Atlas Network (ICAN), a global network supported by the “International Oceanographic Data and Information Exchange” (IODE) programme of IOC/UNESCO and a member of the European Marine Board Communication Panel (EMBCP). Kathrin gained extensive experience in stakeholder engagement, science communication, group facilitation, outreach and dissemination work and as the Work Package lead within numerous internationally funded projects. Most recent funding awards and projects include:

- DANUBE4ALL - AN EU ‘LIGHTHOUSE INITIATIVE’ (<https://www.danube4allproject.eu/>) as the UCC Research Grant PI and Work Package lead / Funded through Horizon Europe / January 2023 to December 2027,
- SOS-ZEROPOL2030 - SOURCE TO SEAS - ZERO POLLUTION 2030 (<https://soszeropol2030.eu/>) as the Project Coordinator / Funded through Horizon Europe / September 2022 to August 2023,
- MarineSABRES - MARINE SYSTEMS APPROACHES FOR BIODIVERSITY RESILIENCE AND ECOSYSTEM SUSTAINABILITY (<https://www.marinesabres.eu/>) as WP7 lead for Project Communications, Dissemination, and Impact / Funded through Horizon Europe / September 2022 to August 2026 and
- SATURN - SOLUTIONS AT UNDERWATER RADIATED NOISE (<https://www.saturnh2020.eu/>) as WP5 lead for Dissemination, Outreach and Communication / Funded through H2020 / February 2021 to March 2025.

Miguel C. Leal

June 12th 10:30-12:00

Science communication in social media



Miguel C. Leal graduated in Biology in 2007 (University of Lisbon, Portugal), completed the Master of Science in Marine Ecology in 2009 in the same university, and obtained the PhD degree in Biology in 2014 (University of Aveiro, Portugal, in collaboration with the University of Georgia, U.S.A.). Before becoming and entrepreneur and founding

Science Crunchers® (in 2017), Miguel participated in 10+ international research projects. Thus far, Miguel has authored over 70 international peer-reviewed publications (Hindex: 28 Scopus), 6 book chapters, 2 reports for international agencies, and 2 science dissemination books. He is also an Associate Editor of the Journal of the World Aquaculture Society (WAS), and serves in several strategic and communication committees of the WAS. At Science Crunchers®, Miguel is an all-rounder defining the company’s strategy and objectives, coordinating and overseeing the teams’ work and helping ensure the quality of the deliverables. Under Miguel’s leadership, Science Crunchers® has successfully completed more than 300 projects until 2023 and grew a solid, diverse and very international client portfolio. Science Crunchers® is the communication partner of four Horizon Europe projects associated with ocean sciences and aquaculture (GES4SEAS, OBAMA-NEXT, MPA-EUROPE, and IGNITION).

Alice Estrela

June 12th 10:30-12:00

Science communication in social media



Alice Estrela is an experienced creative and copywriter, specialized in digital content and digital strategy. She graduated in Biology in 2006 (Faculty of Sciences, University of Lisbon, Portugal) and finished her MSc degree in Conservation Biology in 2008 in the same Institution. Her passion for communication and education has guided her professional journey. For the past +12 years she has been planning and creating effective, SEO & SEM content as well as the best strategies for that content to reach its target. Currently, she works at Science Crunchers as a digital content and digital strategy specialist. Her scientific background combined with her strong communication skills allow her to navigate the exciting, but many times challenging waters of science communication.

Stephen Burgen

June 12th 12:00-13:00

How the scientific research can be made attractive for the society?



Stephen Burgen has worked as a journalist for major British news organisations for the past 35 years. He grew up in Montréal and lived in London, Bristol and New York before moving to Barcelona in 2001 as The Times Spain correspondent, having spent the previous 10 years on The Times' international news desk.

In 2004 he was the founding editor of Carles Puigdemont's English-language newspaper Catalonia Today and now writes about all aspects of Spanish life for The Guardian, Observer and Financial Times, as well as contributing radio and TV reports on Spanish affairs to the BBC, LBC, Radió Telefís Éireann and TRT in Istanbul.

He is also the author of the novel Walking the Lions, the short story collections Afterlife and The Jacket, as well as the non-fiction Your Mother's Tongue, a study of invective in 21 European languages.

Mike Elliot

June 12th 15:00-16:30 & 17:00-19:00

Writing scientific papers for Early Career Researchers



Mike is the Director of International Estuarine & Coastal Specialists (IECS) Ltd and also the Emeritus Professor of Estuarine and Coastal Sciences at the University of Hull, UK. He was Director of the former Institute of Estuarine & Coastal Studies (IECS) at the university from 1996-2017. He is a marine biologist

with a wide experience and interests and his teaching, research, advisory and consultancy includes estuarine and marine ecology, policy, governance and management. Mike has published widely, co-authoring/co-editing 21 books/proceedings and >350 scientific publications. This includes co-authoring 'The Estuarine Ecosystem: ecology, threats and management' (with DS McLusky, OUP, 2004), 'Ecology of Marine Sediments: science to management' (with JS Gray, OUP, 2009), and 'Estuarine Ecohydrology: an introduction' (with E Wolanski, Elsevier, 2015). He was an editor and contributor to the 'Coasts and Estuaries: the Future' (Wolanski, Day, Elliott and Ramachandran; Elsevier, 2019), Fish and Fisheries in Estuaries (Whitfield, Able, Blaber & Elliott; Wiley, 2022) and the Treatise on Estuarine & Coastal Science (1st Ed. Eds.-In-Chief - E Wolanski & DS McLusky, Elsevier; 2nd Ed. D Baird and M Elliott). He has advised on many environmental matters for academia, industry, government and statutory bodies worldwide. Mike is a past-President of the international Estuarine & Coastal Sciences Association (ECSA) and is now Vice-Chair of Future Earth Coasts and a Co-Editor-in-Chief of the international journal Estuarine, Coastal & Shelf Science; he currently is or has had Adjunct Professor and Research positions at Murdoch University (Perth), Klaipeda University (Lithuania), the University of Palermo (Italy), Xiamen University (China) and the South African Institute for Aquatic Biodiversity. He was awarded Laureate of the Honorary Winberg Medal 2014 of the Russian Hydrobiological Academic Society, and was awarded Lifetime Achievement Award of ECSA, September 2022. He is also a member of many national and international committees linking marine science to policy.

María C. Uyarra

June 12th 17:00-19:00

Writing scientific papers for Early Career Researchers



María C. Uyarra studied Biology at the University of Navarra (Spain). She holds an MSc in Applied Ecology and Conservation and a PhD in management of tourism for conservation of coral reefs (University East Anglia, UK) and carried out postdoctoral contracts with the CIEE Research Station (Bonaire) and Simon Fraser University (Canada). She has

more than 20 years of experience working interdisciplinary research. She worked as a consultant and in 2011, she joined AZTI, a private non-profit research foundation (Spain). Since then, she works as a senior researcher in the department of Environmental Management of Marine and Coastal Areas. Her aim is to provide a holistic view to different topics in marine research by exploring them from different disciplines' perspectives. Since she joined AZTI, she has worked either as a manager or a participant in EU funded projects in the following topics: the implementation of the Marine Strategy Framework Directive, marine ecosystem services, marine recreational activities, marine litter, aquaculture, marine renewable energies, ocean literacy, etc. Recognizing the importance of science communication, she is member of the EuroGOOS ocean literacy working groups, REEDUCAMAR ocean literacy platform, and leads ocean literacy actions within several EU funded projects. She is co-author of more than 40 scientific articles, several books and book chapters (H index = 27) and editor of a special issue in Frontiers in Marine Science, for which she received the Frontiers Spotlight Runner-up Award. She also collaborates with the University Menendez Pelayo as professor for Aquatic Systems, and the University of the Basque Country as a Member of the Sustainability Committee for the Summer School Programme.

Erasmia Kastanidi

June 13th 08:30-10:30

Serious games for communicating science and elicit holistic responses from policy-makers



Erasmia Kastanidi is a transdisciplinary Research Associate in the Institute of Oceanography at the Hellenic Centre of Marine Research, in Greece. She started as an Environmental Scientist but gradually transitioned her interests to more human and social research in an effort to try to better understand environmental management and sustainable development challenges. Her PhD focused on the understanding of actors' perceptions on the ecosystem services of coastal rural areas and their influence on the sustainability and resilience of the region. She is interested in the sustainability of human-environment interactions, within coastal and marine social-ecological systems. She has experience working in Europe and Asia, using participatory and mixed research methods, crossing the boundaries between qualitative and quantitative research. She is currently working on understanding the transformations needed to reduce pollution in the Mediterranean Sea as part of her work in the BlueMissionMed project. She is also interested in engaging human creativity and imagination to respond to current social-ecological challenges to increase systemic understanding and promote holistic responses. As part of her work in the ActNow project she is aiming to increase systemic understanding and promote holistic responses, through the development immersive educational activities and games, based on the project's case studies.

Tymon Zielinski

June 13th 11:00-12:30

Engaging society using the Ocean Literacy concept



Professor Tymon Zieliński is the leader of the CORE - Climate and Ocean Research and Education team at the Institute of Oceanology of the Polish Academy of Sciences (IO PAN) in Sopot. Tymon is an active researcher, co-author of over 120 scientific articles.

Between 2016 and 2020, Tymon was representing Central-Eastern Europe at the board for the United Nations Regular Process for Global Reporting and Assessment of the State of the Marine Environment, and since 2023 Tymon is a member of a panel of experts in the same group. In 2019, Tymon became a member of the Steering Committee of the European Marine Board Communication Panel, while between 2020 and 2022 he chaired the EU4Ocean Coalition Climate and Ocean Working Group. Since 2022 Tymon is a member of the Climate Council of the UN Global Compact Network Poland.

Tymon participates in scientific and educational projects in the field of studying the processes occurring in the ocean-atmosphere system and related to climate change, with particular emphasis on sustainable development. From the beginning of his career, Tymon has been involved in educational activities, both in formal and non-formal teaching. At IO PAN, Tymon is the head of the Doctoral School and the coordinator of the GeoPlanet Doctoral School.

In recognition of his scientific, organizational and educational achievements, Tymon became, in 2021, the "face" of the European action on Research Integrity and was also awarded a title of a Green Hero by BNP Paribas for climate research and education.

Full CV is available at: <https://www.iopan.pl/KlimatOceany/ZielinskiTymonCV.html>.



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