



PROGRAMME

**Celebrating the International Black Sea Action Day
organized by NIMRD, GEOECOMAR and OVIDIUS University of
Constanta**

BLUE GROWTH INITIATIVE FOR RESEARCH AND INNOVATION IN THE BLACK SEA – MARBLUE 2022

26 - 28 October 2022, Constanta, Romania

Wednesday, 26 October 2022 – Senate Hall	
9:00 – 09:30	Registration
09:30 – 10.30	Official Opening Adressess: <ul style="list-style-type: none"> • <i>Marius Skolka, Dean of Faculty of Natural Sciences and Agricultural Sciences, Ovidius University of Constanta</i> • <i>Valeria Abaza, General Director NIMRD</i> • <i>Adrian Stănică, General Director GeoEcoMar</i> • <i>Wendy Bonne, European Commission, Directorate-General for Research and Innovation (DG RTD)</i> • <i>Magdalena Andreea Străchinescu Olteanu, Head of Unit EC – Directorate-General for Maritime Affairs and Fisheries</i> • <i>Viorel Vulturescu, Ministry of Research, Innovation and Digitalization</i> • <i>Local Authorities</i>
10:30 – 11:00	Coffee break
11:00 – 13:00	Session I: Oceanography, Marine Geology and GeoEcology <i>Chairpersons: Mihaela Melinte-Dobrinescu & Kadir Seyhan</i>
11:00 – 11:30	Invited Speaker– Emil Stanev Water circulation in the Black Sea: observations and numerical modelling
11:30 – 13:00	Oral presentations
	Morphology and composition of fine gold in the seafloor sediments of the northwestern Black Sea shelf for addressing its genesis <i>Natalia Fedoronchuk, Oleksandr Suchkov</i>
	Geological sea level variations in the Black Sea - Controlling factor of the geo-ecological characteristics of the sedimentary substrate <i>Gabriel Ion, Adrian Popa, Adrian Teacă, Tatiana Begun, Andrei Briceag, Florin Duțu, Vlad Apotrosoaei, Lazăr Constantin</i>
	Main peculiarities of distribution and types of gas hydrates in the Black Sea <i>Volodymyr Yemelianov, Olena Ivanik, Igor Shuraev</i>
	Parameterizing the impact of climate change on sediment transportation to the fishing ports of Turkey in the Black Sea <i>Kadir Seyhan, Umar Khan, Koray Özşeker, Şebnem Atasaral</i>



Mapping activity based on Romanian Black Sea multidisciplinary investigation <i>Mihaela Carmen Melinte-Dobrinescu, Nicolae Panin, Gabriel Ion, Radu-George Dimitriu, Dan Vasiliu, Adrian Teacă, Tatiana Begun, Andrei Briceag, Adrian Popa, Sorin Balan</i>	
New heat flow approach for gas hydrate deposits study <i>Atanas Vasilev, Rosica Pehlivanova, Ivan Genov, Eva Marinovska, Petar Petsinski</i>	
13:00 – 14:00	Lunch break
14.00 – 16:00	Session II: Biodiversity, Ecology and Conservation of Marine Ecosystems <i>Chairpersons: Laura Boicenco & Daniela Bănaru</i>
14:00 – 14:30	Invited Speaker– Angel Borja Initiatives, challenges and opportunities for marine biodiversity research and conservation, to deliver benefits for humans
14:30 – 16:00	Oral presentations
Using environmental DNA (eDNA) to measure the Romanian Black Sea biodiversity <i>Elena Stoica, Andreea Mădălina Ciucă</i>	
Invasive species and Blue Growth – A challenge <i>Marius Skolka</i>	
Mechanisms of trophic transfer of contaminants in mediterranean food webs and perspectives for further studies in the Black Sea <i>Daniela Bănaru, Mireille Harmelin-Vivien, Javier A. Tesán Onrubia, Lars-Eric Heimbürgér-Boavida</i>	
Morphological identification of intestinal helminths isolated from turbot along the Bulgarian Black Sea coast <i>Alexander Atanasoff, Cigdem Urku, Elitsa Petrova-Pavlova, Feriha Tserkova, Dimitrinka Zapryanova</i>	
Are differing viewpoints amongst key actors influencing implementation of key EU marine environmental policies? Case of strictly protected areas <i>Sašo Gorjanc</i>	
Using fouling community parameters for monitoring the sea coastal zone <i>Alexander Varigin</i>	
16:00 – 16:30	Coffee break & poster
16:30 – 18:30	Session III: Sustainable Use of Marine Resources <i>Chairpersons: Victor Niță & Antonis K. Kokkinakis</i>
16:30 – 17:00	Invited Speakers - Konstantin Petrov & Hüseyin Özbilgin The GFCM and its work in the Black Sea: BLACKSEA4FISH
17:00 – 18:30	Oral presentations
Mapping and assessment of the potential of the Black Sea to provide coastal and marine ecosystem services <i>Natarajan Aditi, Jos Brils</i>	



<p>Boosting biomass gain and meat quality of Rainbow Trout <i>Oncorhynchus Mykiss</i> (Walbaum, 1792) - An approach for fostering Romanian aquaculture <u>Magda Nenciu, Victor Niță, Carmen Nicolae, Bilal Akbulut</u></p>	
<p>Turbot survivability, catches and gillnet-caused injuries. Scientific support for the exemption from the landing obligation in EU Black Sea countries <u>Victor Niță, Magda Nenciu, Cristian Danilov, George Țiganov, Mădălina Galațchi, Cătălin Păun, Dragoș Diaconu, Daniel Grigoraș</u></p>	
<p>Gas hydrates and Bulgaria prosperity (vision) <u>Atanas Vasilev, Rosica Pehlivanova, Ivan Genov, Eva Marinovska, Petar Petsinski</u></p>	
<p>Aspects regarding the ichthyofauna biodiversity on the Romanian coast <u>Mădălina Galațchi, Dragoș Diaconu</u></p>	
<p>Chitosan - A significant valorized marine resource at the Romanian Black Sea coast <u>Manuela-Rossemay Apetroaei, Ileana Rău, Mirela Anton, Luminița Gîjiu, Daniel Dinculescu, Raluca Isopescu, Verginica Schroder</u></p>	
18:30	Welcome cocktail
Thursday, 27 October 2022 – Senate Hall	
09:00 – 11:00	Session IV: Observing the Black Sea <i>Chairpersons: Adrian Stănică & Debora Bellafiore</i>
09:00 – 09:30	Invited Speaker - Andrew Tyler Earth observation in catchment and coastal environments for the 21 st century <u>Andrew Tyler, Evangelos Spyarakos, Peter Hunter, Liz Atwood, Thomas Jackson, Viktor Martinez-Vicente, Steve Groom, Stefan Simis, Dalin Jiang, Veloisa Mascarenhas, Cristian Silva Perez, Armando Marino, Carlos Loureiro, Nagendra Jaiganesh, Debora Bellafiore, Francesca De Pascallis, Adriana Constantinescu, Adrian Stănică</u>
09:30 – 11:00	Oral presentations
<p>Identification of the knowledge gaps and research needs for addressing anthropogenic and climate change pressures on Black Sea ecosystems <u>Natalia Fedoronchuk, Erasmia Kastanidi, Nikos Streftaris, Kalliopi Pagou</u></p>	
<p>Supporting marine autonomous systems for the Black Sea ocean research and observing system <u>Laurent Mortier, Kamil Szafranski, Kimmo Tikka</u></p>	
<p>Monitoring methane emissions and fate in the Black Sea: Why, what are the current challenges and how to tackle them? <u>Livio Ruffine, Petar Petsinski, Roberto Grilli, Jean-Daniel Paris, Christophe Peyronnet, Anton Antonov, Benoit Bigourdan, Dimitar Trukhchev, Marc Delmotte, Mathis Lozano, Olivia Fandino, Jean-Pierre Donval, Brandily Christophe, Pierre Guyavarch, Olivier Dugornay, Michael Rea, Vlad Radulescu, Sorin Balan, Violeta Slabakova, Vincent Riboulot, Stéphanie Dupré, Panagiostis Michalopoulos, Ekaterina Batchvarova, Dilian Kuzmanov, Anton Krastev, Atanas Vasilev, Valentin Georgiev</u></p>	



Satellite ocean colour products supporting Blue Growth. A case study concerning suspended particulate matter concentration <i>Sorin Constantin, Ioan-Daniel Șerban</i>	
Blue-Cloud: Your open science platform for collaborative marine research <i>Dick Schaap, Federico Drago, Pasquale Pagano</i>	
SeaDataNet – Delivering marine and ocean data from the Cloud <i>Michele Fichaut, Dick M.A. Schaap</i>	
11:00 – 11:30	Coffee break & poster
11:30 – 14:00	Session V: Marine Spatial Planning (MSP), coastal management and ocean literacy <i>Chairpersons: Natașa Văidianu & Daciana Sava</i>
11:30 – 12:00	Invited Speakers – Bogdan Ghinea & Carmen Bucovală The status and main provisions of the Maritime Spatial Plan project in Romania <i>Bogdan-Andrei Ghinea</i> Ocean literacy within the United Nations Decade of Ocean Science for Sustainable Development <i>Carmen Bucovală</i>
12:00 – 14:00	Oral presentations
Improving of the coastal zone management as a requirement for ensuring a Blue Growth in the Romanian sector of the Black Sea <i>Gheorghe Constantin, Mihail Costache, Otilia Mihail</i>	
Monitoring of coastal evolution in the Constanta and Eforie North areas <i>Liviu Bădoiu, Cristina Șeuleanu, Florentina Caloianu, Nicușor Buzgaru</i>	
Science at work – Tools for practice coastal planning <i>Luminița Lazăr, Valentina Coatu, Andra Oros, Laura Boicenco, Oana Vlas, Oana Marin, George Harcotă, Elena Bișinicu, Cristina Tabarcea, Adrian Filimon, Alina Spinu, Mariana Golumbeanu</i>	
Tourism impact model as sustainable development planning tool for authorities. Constanța and Sf. Gheorghe case studies <i>Andrei Schvab, Natașa Văidianu, Igor Sîrodoev, Marius Skolka, Marian Tudor, George Cracu, Mirela Paraschiv, Daciana Sava, Irina Florea-Saghin</i>	
Research and innovation in monitoring marine mammals in the Black Sea <i>Marian Romulus Paiu, Angelica Paiu, Costin Timofte</i>	
Role of Black Sea Young Ambassadors in the implementation of Strategic Research and Innovation Agenda <i>Selma Menabit</i>	
WAVE Living Lab in Constanta and community awareness for the sustainable development of coastal areas <i>Mirela Paraschiv, Irina Florea-Saghin</i>	
Management approaches for sustainable development projects into Black Sea <i>Florina Gabriela Stanciu, Isabela Maria Filimon</i>	



Blue Development of urban areas of Black Sea and coastal hazards – Case of Batumi Living Lab – Pilot Site 6, Georgia <i>Valerian Melikidze, Kakhaber Bilashvili, Salome Kobaidze, Mamuka Gvilava</i>	
Sea of coastal plan for Grigoleti, Georgia – Experience with application of EO and NBS tools <i>Mamuka Gvilava, Amiran Giginishvili</i>	
14:00 – 15:00	Lunch break
15:00 – 16:30	Special Session DOORS: European Marine Research Infrastructures: supporting Blue Growth in the Black Sea
Opening - <i>Adrian Stănică, Coordinator of EU DOORS project</i>	
European Marine Research Infrastructures – Opportunities for Blue Growth <i>Alberto Basset</i>	
Showcase of the European Research Infrastructure Consortia (ERIC) and projects	
Euro-Argo: The European Contribution to the Global Argo Ocean Observations Network <i>Luc Van Dyck, Violeta Slabakova</i>	
Lifewatch ERIC: The E-science infrastructure for biodiversity and ecosystem research <i>Alberto Basset, Juan Miguel González Aranda, Peter van Tienderen, Lucas de Moncuit, Andrea Tarallo, Christos Arvanitidis</i>	
EMSO-EUXINUS, Romanian Contribution to EMSO ERIC <i>Vlad Rădulescu, Juanjo Dañobeitia, Acnola Nesrin, Ali Rucihan Dervisi, Cristian Pavel, Raluca Rădulescu, Raluca Tuțuianu, Alexandra Bajan</i>	
DANUBIUS-RI: An European Research Infrastructure Initiative to Promote Interdisciplinary Science in River-Sea Systems <i>Gheorghe Viorel Ungureanu, Adrian Stănică, DANUBIUS-IP Consortium</i>	
16:30 – 17:00	Coffee break & poster
17:00 – 18:00	Special Session DOORS: European Marine Research Infrastructures: supporting Blue Growth in the Black Sea
Infrastructure networks in the European Global Ocean Observing System (EuroGOOS) and the DOORS approach <i>Dina Eparkhina</i>	
ENVRI-FAIR: Environmental Research Infrastructures Building Fair Services Accessible for Society, Innovation and Research <i>Andreas Petzold, Anca Hienola, Ari Asmi, Katrin Seemeyer, Ulrich Bundke, Ines Thelen</i>	
Using European funding opportunities to develop ESFRI RIs: the Italian example <i>Gelsomina Pappalardo</i>	
EU policy on RIs in support of environmental challenges <i>Agnes Robin</i>	
Discussion with the audience moderated by <i>Adrian Stănică</i>	
19:00	Dinner



Friday, 28 October 2022 - Senate Hall

09:00 – 10:30	Workshop: The influence of divergent viewpoints of EU marine policies implementation – <i>Moderator Sašo Gorjanc</i>
10:30 – 12:30	Steering Committee DOORS Project
12:30 – 13:00	Concluding Meeting



POSTER PRESENTATIONS

Session I: Oceanography, Marine Geology and GeoEcology

- PI.1 Underwater noises produced by ships and their negative potential on marine life
Dragoş Niculescu, Radu Manu, Dragoş Marin, Ichinur Omer
- PI.2 Tectonic factors of landslide formation in the coastal zone of the north western Black Sea region
Igor E. Lomakin, Yevgen A. Sarvirov, Volodymyr V. Kochelab, Rostyslav S. Medvedskyi
- PI.3 Southern Dobrogea groundwater response to the upper quaternary Black Sea level changes
Glicherie Caraivan, Bogdan-Adrian Ispas
- PI.4 Condition of the southern part of the geocosystem of the Kuyalnik Estuary as a component of the geocoton "Black Sea-Land"
Ihor Shuraiev, Tatiana Kulaha, Yevhen Kostiuchyuk, Rostyslav S. Medvedskyi
- PI.5 Spatial and temporal variability of ambient underwater sound in the northwestern Black Sea
Maria Emanuela Mihailov, Lucian Duţu, Ionuţ-Florin Chiţoi, Constantin Natu
- PI.6 Final results regarding the measurement of Rn-222 in indoor air at NIMRD Constanta, during 2018-2019
Vasile Pătraşcu
- PI.7 Organization of microplastics distribution monitoring in modern sand deposits of anthropogenically loaded territories
Oleksandra A. Mytrofanova, Yevgheni I. Nasiedkin, Tamara S. Kukovska, Volodymyr O. Yukhymchuk
- PI.8 Hydrodynamic modeling of the wave's conditions in the new extensions of the Constanta South – Agigea port basin
Răzvan Mateescu, Liliana Rusu, Ichinur Omer, Elena Vlăsceanu
- PI.9 Calcareous nannoplankton fluctuations in quaternary sediments of the western Black Sea
Mădălina Eliza Anton, Mihaela Carmen Melinte-Dobrinescu
- PI.10 Late glacial to Holocene paleoenvironmental evolution of the Danube deep-sea fan, NW Black Sea
Andrei Briceag, Gabriel Ion, Mihaela Carmen Melinte-Dobrinescu, Dan Vasiliu, Naliana Lupaşcu
- PI.11 Concerning the problem of the Black Sea geocosystem impacting on the north Black Sea coast population
Volodymyr Yemeljanov, Tamara Kukovska
- PI.12 Detection of sulphurous submarine springs in Mangalia area by geophysical methods
Adrian Popa, Sorin Balan, Gabriel Ion
- PI.13 Extreme waves conditions at the entrance of Constanta port
Elena Vlăsceanu, Ichinur Omer, Dragoş Niculescu, Dragoş Marin, Răzvan Mateescu, Liliana Rusu



Session II: Biodiversity, Ecology and Conservation of Marine Ecosystems

- PII.1 Overview of the microalgal blooms occurrences in the Romanian Black Sea waters during 2021
Oana Vlas, Laura Boicenco, Elena Pantea, Luminița Lazăr
- PII.2 Overview of the chlorophyll a variation in the Romanian Black Sea shallow waters of Mamaia during warm season 2020-2021
Ioana Tania Ciobănică, Oana Vlas, Manuela Diana Samargiu
- PII.3 Variations in microzooplankton (*Tintinnid Ciliates*) community along the Romanian Black Sea area in 2021
Cristina Tabarcea
- PII.4 Distribution and seasonal dynamics of mesozooplankton from the Romanian Black Sea during 2013-2020
Elena Bișinicu, George Emanuel Harcotă, Victor Cristea
- PII.5 The zooplankton composition, distribution, and assessment of the quality status of pelagic habitats of the Romanian Black Sea waters
Mihaela Mureșan, Adrian Teacă, Tatiana Begun, Selma Menabit, Adrian Popa
- PII.6 Ichthyoplankton distribution and abundance in relation to macrozooplankton community along the Romanian Black Sea coast
Aurelia Toțoiu, Laura Boicenco, Florin Timofte, George Emanuel Harcotă
- PII.7 Culture techniques for *Acartia Clausi* from the Romanian Black Sea coastal waters
George-Emanuel Harcotă, Elena Bișinicu, Geta Rîșnoveanu
- PII.8 Implementation of the acute toxicity test on marine copepods in the specific conditions of the Black Sea
George-Emanuel Harcotă, Valentina Coatu, Elena Bișinicu, Geta Rîșnoveanu
- PII.9 Modelling the dynamic processes of the Black Sea ecosystem regarding the causal relationships between abiotic and biotic components
Elena Bișinicu, Laura Boicenco, George Emanuel Harcotă, Elena Pantea, Cristina Tabarcea, Florin Timofte, Oana Vlas, Luminița Lazăr
- PII.10 Benthic and pelagic habitats at the Romanian Black Sea coast
Adrian Teacă, Tatiana Begun, Mihaela Mureșan, Selma Menabit, Adrian Popa
- PII.11 Using native taxa to boost ecological restoration of coastal habitats
Daniyar Memedemin, Cristina Preda, Carla Gavrilescu, Marius Skolka
- PII.12 Current information on the distribution of the critically endangered red alga *Dasya Baillouviana* (S. G. Gmelin) Montagne, 1841 along the Romanian Black Sea coast
Oana Marin, Florin Timofte
- PII.13 Red algae (Rhodophyta) from Romanian Black Sea coast and possible occurrence of new species
Daciana Sava
- PII.14 Four new species of soft-shelled monothalamous Foraminifera and gromiids identified on the Romanian Black Sea shelf
Sylvain Kreuter, Maria Holzmann, Jan Pawlowski, Diana Grace Holdsworth, Ana Bianca Pavel



- PII.15 Chemical status evaluation of the Romanian Black Sea marine environment based on benthic organisms contamination
Nicoleta Damir, Diana Danilov, Andra Oros, Luminița Lazăr, Valentina Coatu
- PII.16 Microplastics pollution in mussels (*Mytilus Galloprovincialis* Lamarck, 1819) along the Romanian Black Sea coast
Elena-Daniela Pantea, Elena Stoica, Natalia Roșoiu
- PII.17 Microplastic pollution investigations in *Mytilus Galloprovincialis*, Midia Harbour, western Black Sea
Iulian Pojar, Oana Dobre, Teodora Baboș
- PII.18 A new method for monitoring the stability of parabens as micropollutants in seawater
Georgeta Atodiresei-Pavalache, Carmen Elena Lupu, Verginica Schroder

Session III: Sustainable Use of Marine Resources

- PIII.1 Analysis of seabass & seabream aquaculture sector progress in Greece, in terms of economic performance and employment
C. Danatskos, Antonis K. Kokkinakis
- PIII.2 Environmental and operational complications of the coastal aquaculture management in Thermaikos Gulf
V.O. Stoilas, L.A. Kokkinakis, Antonis K. Kokkinakis
- PIII.3 Alternative approach to the segmentation of fishing fleets
Daniel Grigoras, Cătălin Păun
- PIII.4 Status of the Rapa Whelk agglomerations along the Romanian Black Sea coast
George Țiganov, Victor Niță, Valodia Maximov, Cristian Sorin Danilov, Cătălin Păun, Dragoș Diaconu, Daniel Grigoras
- PIII.5 Study regarding the superior economic valorization of mussel shells from the Romanian Black Sea coast
Daniela Mariana Roșioru
- PIII.6 Introduction and comparison of two methods in white clam fishery
Nelko Yordanov, Galin Nikolov, Elitsa Petrova-Pavlova
- PIII.7 Green macroalgae *Ulva sp.* and *Cladophora sp.* from Black Sea Romanian coastline as a promising source of valuable antimicrobial compounds: extraction and valorization as cosmeceuticals
Anca Cristina Lepădatu, Ticuța Negreanu-Pîrjol, Bogdan Negreanu-Pîrjol
- PIII.8 Ecosystem services of the northwestern Black Sea region: Brief overview of the problem
Tamerlan Safranov, Nikolai Berlinsky, Mariia Slizhe, Youssef El Hadri
- PIII.9 The offshore wind power potential of the Black and Azov seas
Mariia Slizhe, Nikolai Berlinsky, Youssef El Hadri
- PIII.10 Aspects regarding the age reading of Mediterranean Horse Mackerel at the Romanian coast
Cătălin Păun, Carmen Georgeta Nicolae, Daniela Bănaru



- PIII.11 Green chemistry based on plants in crude oil decontamination of marine environments
Miruna-Maria Apetroaei, Manuela Rossemary Apetroaei, Verginica Schroder, Valeriu Iancu, Irina Mihaela Iancu
- PIII.12 Potential decontamination action of aqueous environment by using biosorbents based on plants
Manuela-Rossemary Apetroaei, Florin Marius Nicolae, Dinu Atodiresei, Alexandru Cotorcea, Andrei Pocora, Anca Mihalcea, Irina Mihaela Iancu
- PIII.13 Effects of seaweed (*Ulva Lactuca*) supplementation on immunity, tolerance to stress and growth performance of different aquaculture species
Alina Nicoleta Macoveiu, Lorena Dediu
- PIII.14 Biomechanical, biochemical and physical-chemical characteristics of *Rapana venosa* Valenciennes, 1846 (Gastropoda, Mollusca) egg capsules
Verginica Schröder, Manuela Rossemary Apetroaei, Nicolae Dobrin, Constanta Stefanov, Ciprian-Valentin Mihali, Ileana Rău
- PIII.15 Genotoxicity profile of recycle chitosan from raw waste of Romania coastal waters
Verginica Schröder, Miruna Maria Apetroaei, Irina Mihaela Iancu, Ileana Rău
- PIII.16 Improving growth performance of high-value fish species based on diets enriched with *Spirulina (Arthospira Platensis)* cultivated using photobioreactors
Geanina Constandache, Lorena Dediu, Floricel Maricel Dima, Neculai Patriche
- PIII.17 Bioproducts derived from algal sources and their potential applications in medicine
Marian Toader, Nicoleta Radu, Viviana Roman, Marinela Bostan, Lucia Pirvu, Verginica Schroder

Session IV: Observing the Black Sea

- PIV.1 Rip currents dynamics on the Romanian Black Sea coast
Florin Tătuț, Florin Zăinescu, Florin Miron, Alfred Vespremeanu-Stroe, Răzvan Mateescu
- PIV.2 Your data work at EMODnet-ingestion.eu
Marianne Schlessler, Luminița Buga, Asen Stefanov, Kakhaber Bilashvili, Sissy Iona, Dick Schaap
- PIV.3 Wake up, safeguard and share your marine data with EMODnet-ingestion.eu
Marianne Schlessler, Dick Schaap, Sissy Iona
- PIV.4 QUIETSEAS - Assisting (sub)regional cooperation for the practical implementation of the MSFD second cycle by providing methods and tools for D11 (underwater noise)
Noelia Ortega, María Bernabé, Tania Vera, Susana Salvador, Maylis Salivas, Marina Argyrou, Lavrendios Vasiliades, Konstantinos Antoniadis, Andreja Popit, Aristides Prospathopoulos, Paraskevi Drakopoulou, Dimitris Kassis, Foteini Panagiotidou, Arianna Azzelino, Veronica Frassà, Lobna Ben Nakhla, Marwan Abderrahim, Carlos Pinto, Neil Holdsworth, Lise Cronne, Maria - Emanuela Mihailov, Petrica Popov, Nicolae Vatu, Laura Ceyrac, Benjamin Ollivier, Myriam Lajaunie, David Dellong, Michael Taroudakis, Alessio Maglio



- PIV.5 Marine fronts detection in the western Black Sea based on Earth observation data
Florin Miron, Ioan-Daniel Șerban, Sorin Constantin
- PIV.6 CERTO project Copernicus Evolution: research for harmonized transitional water observation. Preliminary results from the Danube Delta and the NW Black Sea area
Adriana-Maria Constantinescu, Liz Atwood, Stefan Simis, Adrian Stănică, Andrew Tyler, Evangelos Spyarakos, Thomas Jackson, Ana Brito, Steve Groom, Adrian Gherghe, Naliana Lupașcu, Cristian Teodoru, Albert Scriciu, Daniela Florea, Dan Vasiliu, Gabriela Vlad
- PIV.7 Black Sea in the context of EMODnet Chemistry
Luminița Buga, Alessandra Giorgeti, Dick Schaap, George Sârbu
- PIV.8 Use of qualitative and quantitative methods for the co-creation of knowledge about Black Sea
Cristina (Nenciu) Posner

Session V: Marine Spatial Planning (MSP), coastal management and ocean literacy

- PV.1 Blue economy and biodiversity – Romanian Black Sea coast area
Marius Skolka, Marian Tudor
- PV.2 Using of spatial analysis tools to assess the human induced pressures and vulnerabilities of coastal and marine environment in the context of maritime spatial planning and coastal management
Alina Spînu, Luminița Lazăr, Valentina Coatu, Andra Oroș, Laura Boicenco, Silică Petrișoiaia, Dragoș Niculescu
- PV.3 Wind energy technologies for sustainability within European Union Green Policy: the case of Greece
Zacharoula Andreopoulou, Christiana Koliouška, Nikolaos Morfopoulos
- PV.4 Managing coastal protection through multi-scale governance structures in Romania
Natașa Văidianu, Florin Tătui, Mădălina Ristea, Adrian Stănică
- PV.5 Sustainability of the surveying & maritime internet of things education (SMARTSEA) project
Mariana Golumbeanu, Ana C. Serafia
- PV.6 Beach marine litter quantification and distribution at the Romanian Black Sea coast
Angelica Paiu, Marian Romulus Paiu, Costin Timofte, Anca Maria Gheorghe, Andreea Ștefania Ionașcu, Lavinia Voiculescu, Patricia Tomasian
- PV.7 Insights on how to incorporate socio-cultural values into maritime spatial planning process in the Black Sea
Natașa Văidianu, Florin Tătui, Igor Sîrodov, Andrei Schvab, Mirela Paraschiv, Irina Florea-Saghin
- PV.8 Public participation to reduce marine litter pollution in the Black Sea
Fatma Telli Karakoç, Coskun Erüz, Hacer Sağlam, Ertug Duzgunes, Neira Purwanty Ismail, Yahya Terzi, Koray Ozseker, Nigar Alkan, Nurettin Başkan



- PV.9 State of marine litter pollution in the benthic habitat of southeastern Black Sea coasts
Coskun Eruz, Yahya Terzi, Rafet Çağrı Oztürk, Fatma Telli Karakoç, Koray Ozseker, Ahmet Sahin, Neira Purwanty Ismail, Ertug Duzgunes
- PV.10 Monitoring of marine litter (ML) in beach sediments and marine biota of the Romanian Black Sea
Andreea Mădălina Ciucă, Elena Stoica

