



**PROGRAMME OF THE
THE INTERNATIONAL SYMPOSIUM
PROTECTION OF THE BLACK SEA ECOSYSTEM AND
SUSTAINABLE MANAGEMENT OF MARITIME ACTIVITIES
*PROMARE 2017***

**8th Edition
7-9 September 2017, Constanta, ROMANIA**

Thursday, 7 September 2017		
	Conference Hall (1st floor)	
09.30 - 10.00	Registration of participants	
10.00 - 10.30	Official Opening - Opening Address - Dr. Eng. Simion NICOLAEV, General Director of NIMRD "Grigore Antipa" - Addresses of central and local authorities - Messages from R&D institutes and universities, NGOs, other international and national organizations	
10.30 - 11.00	Coffee Break	B.EN.A. Hall (ground floor)
	Press Conference	Museum Hall (1st floor)
11.00 - 12.00	PLENARY SESSION	Conference Hall (1st floor)
	Luis Ovidiu Popa - <i>Grigore Antipa - Beginnings</i> Caner Zambak - <i>Safety and Security of Water Quality and Resources</i> Irina Makarenko - <i>Black Sea Commission Address</i> Violin Raykov, Miguel Bernal - <i>The GFCM BLACKSEA4FISH Project; A Technical Support Towards Improved Management in the Black Sea</i>	
12.00 - 13.00	Workshop on Bio-Nano Genomic- ACCELA - Our Story	Conference Hall (1st floor)
	Moderators: J. Peart, R. Fillerova	
13.00 - 14.00	Lunch Break	B.EN.A. Hall (ground floor)
14.00 - 15.30	Copernicus Training Black Sea Monitoring and Forecasting Center	Conference Hall (1st floor)
	Moderator: Elisaveta Peneva	
Atanas Palazov, Giovanni Coppini, Stefania Angela Ciliberti, Marilaure Gregoire, Joanna Staneva, Elisaveta Peneva, Emin Özsoy, Luc Vandenbulcke, Andrea Storto, Benedicte Lemieux, Tomas Lovato, Simona Masina, Nadia Pinardi, Francesco Palermo, Sergio Creti, Francesca Macchia, Rita Lecci, Arno Behrens, Veselka Marinova, Vasil Donev, Violeta Slabakova, Mauro Buonocore, Paola Agostini - Copernicus Training Black Sea Monitoring and Forecasting Center		



15.30 – 18.30	SCIENTIFIC SESSIONS	Conference Hall (1st floor)
15.30 - 16.30	Session I - Oceanography and Coastal and Marine Engineering ORAL PRESENTATIONS	Conference Hall (1st floor)
Chairpersons: <i>L. Buga, M. Sur, J. Hanganu</i>		
• Luminița Buga, Alessandra Georgetti, Gheorghe Sirbu - EMODNET Chemistry - Data Aggregation and Product Generations in the Black Sea • Corina Anca Simion, Romul Mircea Mărgineanu, Nicolae Mocanu, Ana Maria Apostu Blebea, Vasile Pătrașcu - Tritium as Tritiated Water in the Upper Layer of the Seashore and Stretches of Shoreline Surrounding Water; from Periboina Channel to Vama Veche (2007 - 2017) • Muhammet Boran - Pollution of Marine Environment by Ship • Mürşide Sur, Halil İ. Sur - Distribution of Total Suspended Solids in the Turkish Coasts of the Black Sea • Muhammed Baran Kiliç, Ali Alkan, Dilek Fidan, Bayram Zengin, Ömer Kalipçi - Investigation of the Discharge Levels of Dissolved Inorganic Nutrients from Yeşilirmak River to the Black Sea • Alina Daiana Spînu, Maria Emanuela Mihailov, Luminița Buga, Silică Petrișoia - Use of Digital Terrain Model for the Evaluation of Beach Vulnerability on the Romanian Coast		
	PARALLEL WORKSHOP	
15.30 - 17.30	Stakeholder Workshops within the MareFrame Project, TraSiPesc Project, ECOAST Stakeholder Meeting	Museum Hall (1st floor)
Moderators: <i>T. Zaharia, L. Moga, C.G. Nicolae</i>		
• Magda Nenciu, Tania Zaharia, Valodia Maximov, Gheorghe Radu, Gheorghe Sirbu, Kare Nolde Nielsen, Michaela Aschan, Mika Rahikainen - Stakeholder Workshop within the MareFrame Project • Liliana Mihaela Moga, Tania Zaharia, Carmen Georgeta Nicolae - Stakeholder Workshop within the TraSiPesc Project • Laurenta Alexandrov - New Methodologies for an Ecosystem Approach to Spatial and Temporal Management of Fisheries and Aquaculture in Coastal Areas (ECOAST) - Constanta Stakeholder Workshop		
16.30 - 17.00	Coffee Break	B.EN.A. Hall (ground floor)
17.00 - 18.30	Session II - Marine Ecology and Environmental Protection ORAL PRESENTATIONS	Conference Hall (1st floor)
Chairpersons: <i>L. Boicenco, L. Bat, V. Pătrașcu</i>		
• Laura Boicenco, Simion Nicolaev, Otilia Mihail, Tania Zaharia - The Implementation of the Marine Strategy Framework Directive in Romania • Mihaela C. Melinte-Dobrinescu - Coccolithophore and Diatom Distribution on the NW Part of the Romanian Black Sea Inner Shelf • Elena Stoica, Adriana Radulovici, Magda-Ioana Nenciu, Adrian Filimon, Oana Marin, Cristian Sorin Danilov, Romulus-Marian Paiu - DNA Barcoding and Black Sea Biodiversity: A Pilot Study at the Romanian Coast		



- **Derya Ürkmez**, **Murat Sezgin**, Levent Bat, Fatih Şahin - Assessment of the Ecological Quality Status (EQS) of a Coastal Area (Sinop, Black Sea) Based on Nematode Maturity Index
- **Valeria Abaza**, Camelia Dumitrache, Adrian Filimon - Ecological Quality Assessment of Circalittoral Major Habitats Using M-AMBI*(N) Index
- **Oana Culcea** - Isolation and Maintenance Methods for *Skeletonema costatum* in Laboratory Cultures
- **Oana Marin** - The State of the Phytobenthic Communities along the Romanian Black Sea Coast during Summer 2016
- **Vasile Pătraşcu**, Romul Mircea Mărgineanu, Ana Maria Blebea Apostu, Oana Marin, Mariana Claudia Gomoiu - New Data of Cs-137 in Biota from the Romanian Sector of the Black Sea

13.00 - 18.30	POSTER SESSIONS I & II	Poster Hall (1 st Floor)
20.00	Official Dinner	

Friday, 8 September 2017		
09.30 - 11.30	PARALLEL SCIENTIFIC SESSIONS	
09.30 - 15.30	POSTER SESSIONS III, IV & V	Poster Hall (1 st Floor)
09.30-11.00	Session IV - Maritime Spatial Planning ORAL PRESENTATIONS	Conference Hall (1 st floor)
<i>Chairpersons: L. Alexandrov, J. Zauka, F. Grati</i>		
• Bogdan Ghinea, Diana Tenea - Maritime Spatial Planning Directive - EU/89/2014, Level of Implementation In Romania • Nicolae Dimulescu - The Activity of the National Agency for Fisheries and Aquaculture in the Context of the Community Fisheries Policy • Stephen Jay - Implementing Marine / Maritime Spatial Planning • Jacek Zauca, Magdalene Matczak - Methodology of Maritime Spatial Planning in Poland • Ivana Lukic - Study of Maritime Spatial Planning - Vision - as a Tool to Support Sustainable Blue Economy • Aneta Kovacheva, Daniel Nigohosyan - Maritime Spatial Planning Indicators • Fabio Grati, Luca Bolognini, Francois Bastardie - ECOAST Project: Spatial Planning for Fisheries in the Adriatic Sea • Iulian Nichersu, Marian Mierlă, Iuliana Nichersu, Cristian Trifanov - Collaborative Assistance for Spatial-Temporal Cohesion (Cast) - Coherent Collection of Participatory Methods in MSP Directive Implementing – Results of Sf. Gheorghe Case Study		
11.00 - 11.30	Coffee Break	B.EN.A. Hall (ground floor)
PARALLEL WORKSHOP		
11.30 - 13.00	Addressing National and Regional Needs by Enhancing the Uptake and Relevant Functionalities of the Earth Observation Portals towards Business Performance within COSMOMAR and Romanian Cluster Of EO/ RO-CEO	Conference Hall (1 st floor)
<i>Moderators: R. Mateescu, D. Nicolae</i>		



- **Doina Nicolae**, Mircea Radulian, Răzvan Mateescu, Vladimir Gancz, Mugurel Bălan, Anca Andreea Popescu, Anca Coste, Iurie Maxim - Romanian Cluster for Earth Observation
- **Răzvan Mateescu** - COSMOMAR “Constanta Space Technologies Competence Centre Dedicated to the Romanian Marine and Coastal Regions Sustainable Development”
- **Anca Nemuc**, Dragoş Ene, Victor Nicolae, Livio Belegante, Doina Nicolae, Andreea Calcan - Ground Based Measurements in Support for Earth Observation Missions
- **Lucian Ionescu**, Florin Iosub - EYEs in the sky - Very High Resolution Imagery from Unmanned Aerial Systems
- **Livio Belegante**, Doina Nicolae, Anca Nemuc, Victor Nicolae, Dragoş Ene - Multiply: Development of an Advanced European HSRL Facility
- **Vasile Crăciunescu**, Marian Neagu, Krzysztof Myslakowski, Rok Mocnik, Igor Kratochvil, Bartosz Buszke, Przemysław Turos, Marcin Gil - EO4SEE: Satellite Exploitation Platform for South-East Europe
- **Alexandru Mărmureanu**, Mircea Radulian, Alexandra Muntean, Eduard Năstase, Raluca Partheniu, Constantin Ionescu - Real Time Data Products and Services for the South East of Romania and the Black Sea
- **Daniela Faur** - Big Data Analytics for Earth Observation. Methods and Potential
- **Mugurel Bălan**, Marius Trusculescu, Claudiu Drăgăşanu, Alexandru Pandele, Silvana Radu, Mihnea Ion, Ion Ciobanu, Costel Cherciu - In Orbit Demonstration (IOD) Satellite Program UK-Romania Satellite Advancement Study URSA
- **Alexandru Dandocsi**, Luminiţa Mărmureanu, Anca Nemuc, Livio Belegante, Sabina Ştefan - Aerosol Characterization by Sun Photometer in the Black Sea Region
- **Răzvan Mateescu** - Integrated Service for Water Quality Monitoring in the Mamaia Bay (iSWIM)
- **Gancz Vladimir**, **Gabriel Nedea**, **Adrian Lorent** - Use Of Sentinel 2 Satellite Imagery In Forest Management Activity – An Experiment
- **Florin Iosub** - Demonstration of the RO-CEO portal
- **Doina Nicolae** (moderator) - Discussions: RO-CEO portal, what should it be?

11.30 - 13.00	Session V - Sustainable Development and Ecological Education ORAL PRESENTATIONS	<i>Museum Hall (1st floor)</i>
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Chairpersons: ***M. Golumbeanu, F. Cardigos, Z. Andreopoulou***

- **Anca-Maria Gheorghe**, Angelica Paiu, Mihaela Mirea Căndea, Marian Paiu - Public Engagement - A Step Towards Responsible Research And Innovation
- **Florin Nicolae**, I. Roman, A. Cotorcea - Air Pollution from the Maritime Transport in the Romanian Black Sea Coast
- **Mihaela Mureşan**, Tatiana Begun, Cristiana Voicar, Daniela Vasile, Adrian Teacă - Beach Litter Occurrence in Sandy Littoral: A Case Study Romanian Black Sea Coast
- **Mădălina Sbarcea**, Peter Hislaire, Marian Tudor, Iuliana Nichersu, Carmen Naşcu - Green Policing in the Danube Delta Biosphere Reserve
- **Tamara Stanciu**, Andrei Scupi, Dumitru Dinu - Solving the Problems of Gas Flow External Resistance Through the Breathing Apparatus of Divers Using Computational Fluid Dynamics

13.00 - 14.00	Lunch Break	<i>B.EN.A. Hall (ground floor)</i>
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14.00 – 17.00	SCIENTIFIC SESSIONS	
14.00 – 15.30	Session III - Sustainable Use of Marine Resources	Conference Hall (1st floor)
	ORAL PRESENTATIONS	
Chairpersons: S. Nicolaev, A. Kokkinakis, V. Raykov		
• Simion Nicolaev, Valodia Maximov, Magda-Ioana Nenciu - Commercial Fisheries in Natura 2000 Marine Protected Areas in the EU Black Sea Waters • Marian Paiu, Mihaela Mirea Căndea, Anca - Maria Gheorghe, Angelica Paiu - Cetacean Abundance and Distribution for Romanian Territorial Waters between Constanta and Vama Veche Using the Line Transect Sampling Method • Antonis K. Kokkinakis, D. Kiourtidou, P. Miltiadou - Important Fish Fauna of Lakes of Macedonia and Thrace Regions (Greece), according to the Evaluation of Fish Species Protection Status • Levent Bat, <u>Murat Sezgin</u>, Fatih Şahin - Determination of Metal Contents in <i>Belone belone euxini</i> Günther, 1866 from the Black Sea and Its Potential Risk for People Health • George Tiganov, Irina Cernişencu, Magda-Ioana Nenciu, Aurel Năstase, Marian Tudor - Estimates of the Population Parameters and Exploitation Rate of Pontic Shad (<i>Alosa immaculata</i>, Bennet, 1835) in the Romanian Black Sea Coast • Liliana Mihaela Moga, Lorena Dediu, Carmen Georgeta Nicolae, Magda-Ioana Nenciu - Information Flow for A Traceability System Designed for Romanian Fish and Fish Products Supply Chain • Konstandinos Panitsidis, Zacharoula Andreopoulou, Antonis K. Kokkinakis - Development of a Multimedia Database for Fresh Water Fish Fauna and Inland Water Ecosystem Management • Sertel F. Seçer, I. Yavas, Z. Cantekin, Y. Bozkurt, T.K. Yavas, A. Atanasoff - Effect of Different Plant Extracts Decrease on Microbial Population in the Frozen <i>Clarias gariepinus</i> Semen		
15.30 - 16.00	Coffee Break	B.E.N.A. Hall (ground floor)
16.00 - 17.00	Conclusions of PROMARE 2017 & Awards Ceremony	Conference Hall (1st floor)
	Closing of the Scientific Symposium	

Saturday, 9 September 2017		
07.30 - 18.00	Work Visit in the Danube Delta	



SCIENTIFIC SESSIONS - POSTER PRESENTATIONS

Session I - Oceanography and Coastal and Marine Engineering Oral presentations

Chairpersons: *L. Lazăr, G. Bandoc*

P1.1. Dragoș Niculescu, Eugen Rusu - Water flow and bathymetry - sensors integration for precise measurements

P1.2. Jenică Hanganu, Adrian Constantinescu - Methodological approach to implement Copernicus tasks for European land monitoring

P1.3. G. Bandoc, R. Prăvălie, R. Mateescu, D. Niculescu, M. Degeratu - Assessment of offshore wind energy potential in the North Western part of the Black Sea Basin based on Weibull distribution function

P1.4. Dănuț Diaconeasa, Silică Petrișoia, Răzvan Mateescu, Alina Daiana Spînu, Dragoș Niculescu, Vasile Pătrașcu, Adrian Niculescu - Geoindicators of Beach Vulnerability Within the Danube Delta Biosphere Reserve

P1.5. E. Vlăsceanu, N. Buzbuchi, E. Rusu - Application of Numerical Hydrodynamic Models in the Study of Waves and Currents in the Romanian Black Sea Area

P1.6. M.E. Mihailov, A.D. Nicolaev, L.F. Constantinoiu - Initial Results on Adapted Methods, Measurements and Descriptions of Underwater Noise on the Romanian Black Sea Shelf

P1.7. R. Mateescu, D. Niculescu, E. Vlăsceanu, O. Goicea, M. Enache - Presentation of the ECOMAGIS Platform for Romanian Coastal area

P1.8. A. A. Kordzadze, D.I. Demetrashvili - Easternmost Black Sea Forecasting System Applied for Ecological Problems

P1.9. Valentina Coatu, Nicoleta-Alexandra Damir, Andra Oros Luminița Lazăr - A Revised Methodology of Black Sea Chemical Status under the Water Framework Directive

Session II - Marine Ecology and Environmental Protection

Chairpersons: *F. Timofte, E. Stoica*

P2.1. P. Barghini, M. Pasqualetti, S. Gorrasi, M. Fenice - Total Bacterial Diversity of a Saltern Crystallization Pond is Not Correlated with Salinity Variations: The Case of the "Saline Di Tarquinia" Marine Salterns

P2.2. P. Barghini, V. Giovannini, M. Fenice, S. Gorrasi, M. Pasqualetti - High Lutein Production by a Halo-Tolerant Strain of *Dunaliella* sp. (Chlorophyceae) Isolated from Solar Salterns in Central Italy

P2.3. Daciana Sava, Daniela Silviana Dragomir, Andreea Anghel, Manuela Diana Samargiu - Recent Observations on Macroalgal Vegetation from Romanian Sector of Black Sea with some Biochemical Determinations

P2.4. Marius Făgăraș, Răzvan Popovici, Bogdan Negreanu-Pîrjol - Coastal Vegetation Decline on the Southern Romanian Coast as a Consequence Of Anthropogenic Impact

P2.5. Suzana-Elena Birș-Dorhoi, Maria Tofană, Dan Răzvan Popoviciu, Ticuța Negreanu-Pîrjol - Oxidative Stress Evaluation in Organic Pollution Conditions on Some Marine Algae Species

P2.6. Elena Taflan, Magda-Ioana Nenciu, Daniela N. Holoșenco, Mitică Ciorpac, Adrian Filimon, Cristian-Sorin Danilov - Life History of the Black Sea Long-Snouted Seahorse (*Hippocampus guttulatus* Cuvier, 1829): Colonization Pattern and Genetic Differentiation

P2.7. Elena Stoica, Teodora Bucaciuc, Romulus-Marian Paiu - Preliminary Data on Real-Time PCR Detection of Pathogenic *Brucella* in Cetaceans at the Romanian Black Sea

P2.8. Mürşide Sur, Halil İ. Sur - Assessment of Metals in Fish and Mollusks from the Turkish Coastal Waters of the Black Sea



P2.9. Muhammet Boran - Effects of Ballast Water on Black Sea Ecosystem

P2.10. Derya Ürkmez, Murat Sezgin - First Black Sea Records of Two Free-Living Nematode Genera and One Species (Nematoda: Xyalidae)

P2.11. Ali Alkan, Nigar Alkan, Ufuk Akbaş, Murat Dağtekin - Determination of Metals and Metalloids Levels of Striped Venus (*Chamelea gallina* L., 1758) in the Southern Black Sea Coast

P2.12. Tatiana Begun, Adrian Teacă, Mihaela Mureşan, Dan Lucian Vasiliu, Dan Mihai Secrier, Bianca Ana Pavel - Ecological Assessment of Two MPAs from the Romanian Black Sea Coast

P2.13. Fatih Şahin, Levent Bat, Murat Sezgin - Phytoplankton Composition of the Turkish Black Sea Coasts

P2.14. Fatih Şahin, Murat Sezgin, Levent Bat - Status of Toxic/Potentially Toxic Phytoplankton Species Distributed along the Turkish Coast of the Black Sea

P2.15. Alexandru Amarioarei, Iris Tusa, Corina Iltus, Manuela Sidoroff, Mihaela Păun - River ecosystem classification through heavy metal assessment

P2.16. Alexandru Amarioarei, Corina Iltus, Iris Tusa, Manuela Sidoroff, Mihaela Păun - Statistical Evaluation of the Romanian Therapeutic Lakes Through Their Biochemical Characteristics

P2.17. Daniela Mariana Roşioru, Oana Marin - *Ulva rigida* from the Romanian Black Sea Coast, a Source Of Dietary Fiber

P2.18. Vasile Pătraşcu - Multi Yearly Variation of Cs-137 Content in Fish Catches from Romanian Sector of the Black Sea

P2.19. Elena Bişinicu, George Emanuel Harcotă, Aurelia Ţoţoiu, Florin Timofte, Gheorghe Radu - Romanian Black Sea Zooplankton and Its Role in the Diet of *Sprattus sprattus* in 2016-2017

P2.20. Elena Bişinicu, Florin Timofte, Cristina Tabarcea, George Emanuel Harcotă, Luminiţa Lazăr - Spatio-Temporal Distribution of Mesozooplankton Community along the Romanian Shelf during 2013-2016

P2.21. George Emanuel Harcotă, Florin Timofte, Cristina Tabarcea, Elena Bişinicu - Gelatinous Zooplankton along the Romanian Shelf-Qualitative and Quantitative Distribution during 2010-2013

P2.22. Marian Mierlă, Marian Tudor, Silviu Covaliov, Cristian Trifanov, Mihai Doroftei - Ecosystem Services Assessment within Danube Delta Biosphere Reserve

Session III - Sustainable Use of Marine Resources

Chairpersons: <i>V. Maximov, G. Radu</i>

P3.1. Marian Paiu, Angelica Paiu, Mihaela Mirea Căndea, Anca-Maria Gheorghe - Cetacean Strandings between 2010-2016 at the Coast of Romania

P3.2. Valodia Maximov, Simion Nicolaev, Gheorghe Radu, Eugen Anton, Cristian Sorin Danilov, Tania Zaharia - Demersal Fisheries Dynamics at the Romanian Black Sea Coast during 2012 - 2016

P3.3. Valodia Maximov, Simion Nicolaev, Eugen Anton, Gheorghe Radu, Sorin Cristian Danilov - Evolution of the Turbot Fishery at the Romanian Black Sea Coast during 2014 - 2016

P3.4. Violin Raykov, Antoaneta Trayanova - Biological Parameters and Stock Size Estimation of *M. galloprovincialis* from Mariculture Collector Lines

P3.5. Aurelia Ţoţoiu, Mădălina Galaţchi, Cristian Sorin Danilov, Gheorghe Radu - Evolution of the Sprat (*Sprattus sprattus*, Linnaeus 1758) Population at the Romanian Littoral during 2008-2016



P3.6. Aurelia Țoțoiu, Eugen Anton, Gheorghe Radu, Cristian Sorin Danilov, Neculai Patriche - Impact of Industrial Fishing Gears on the Health Status of Commercial Fish Populations at the Romanian Black Sea Coast

P3.7. Gheorghe Radu, Aurelia Țoțoiu, Cristian Sorin Danilov, Alina Daiana Spînu, Magda-Ioana Nenciu - Distribution and Abundance of Sprat Juveniles in the Romanian Marine Area during 2016-2017

P3.8. Ștefan Honț, Radu Suci, Marian Paraschiv, Ion Marian Iani, Lucian Oprea - Beluga and Stellate Sturgeon Migration in Lower Danube River in Relation with Iron Gate II Dam

P3.9. Mariia Pavlovska, Evgen Dykyi, Elena Stoica - Preliminary Data on Black Sea 16s Prokaryote Diversity and Vertical Distribution

P3.10. Dimitrinka Zapryanova, Alexander Atanasoff, Radostin Simeonov, Galin Nikolov, Violin Raykov, Veselin Ivanov, Teodora Mircheva - Changes in Certain Acute Phase Proteins of Common Carp (*Cyprinus carpio*) Exposed to Organophosphate Insecticides

P3.11. Antonis K. Kokkinakis, D. Kiourtidou, P. Miltiadou - Vital Fish Fauna of Rivers of Macedonia and Thrace Regions (Greece), and Valuation of Fish Species Protection Position

P3.12. Gheorghe Sîrbu, Magda-Ioana Nenciu, Gheorghe Radu - Forecast and Sensitivity Analysis for The R/SSB Relationship in Black Sea Sprat (*Sprattus sprattus* Linnaeus, 1758)

P3.13. Levent Bat, Murat Sezgin, Fatih Şahin - Metal Levels in Caridean Shrimp Species from the Southern Black Sea

P3.14. Konstandinos Panitsidis, Zacharoula Andreopoulou, Antonis K. Kokkinakis, I. Gitis - Design and Development of an Open-Source Information System for the Spread of Fresh Water Fish Fauna in Inland Water Ecosystem of Greece

P3.15. Aurel Năstase, Ion Năvodaru, Irina Cernişencu, George Țiganov - Dynamics of Migratory Spawning Adults of Shads in Danube Arms and Drifting Larvae to the Black Sea in the Last Couple of Decades

P3.16. Sertel F. Seçer, H. Yavuzcan - Effects of Sublethal Ammonia on Some Hematological and Immunological Parameters in Nile Tilapia (*Oreochromis niloticus* L.) Experimentally Infected with *Edwardsiella tarda*

P3.17. Cristian Sorin Danilov, Eugen Anton, Valodia Maximov, Alexandru Nicolaev - Dynamics of the Fishing Effort Recorded for Rapa Whelk (*Rapana venosa*) Harvesting during 2013 - 2016

P3.18. Sedat Gönener, Uğur Öz sandıkçı - Determination of the Effectiveness of Pinger Devices by Terrestrial Observations

P3.19. Süleyman Özdemir, Uğur Öz sandıkçı, Ferhat Büyükdeveci, Baykal Arıdeniz, Zekiye Birinci Özdemir, Ercan Erdem - Estimation of the Growth and Population Parameters of the Invasive Rapa Whelk (*Rapana venosa*) by the Bhattacharya Method in the Western Black Sea

Session IV - Maritime Spatial Planning

Chairpersons: L. Alexandrov, A.D. Spînu	
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P4.1. Daniel Nigohosyan, Aneta Kovacheva - Study of the Maritime Spatial Planning - Indicators - as a Tool to Support Blue Growth

P4.2. Luminița Lazăr, Andra Oros, Valentina Coatu, Nicoleta Damir, Laura Boicenco - Pressures from Land-Based Sources - Romanian Black Sea – Eutrophication and Contaminants

P4.3. Răzvan Mateescu, Dănuț Diaconeasa, Dragoș Niculescu, Elena Vlăsceanu - Assessment of the Romanian Littoral Shoreline Changes in the Last Ten Years (2007 - 2017). The Context of New Coastal Protection Schemes Significant for MSP



P4.4. Laura Alexandrov, Alina Daiana Spînu, Magda-Ioana Nenciu, Elena Vlăsceanu, Tania Zaharia, Mariana Golumbeanu, Dragoș Niculescu, Mădălina Roșca - Maritime Spatial Planning Focal Point for the Black Sea Under EU MSP Platform

P4.5. Tania Zaharia, Victor Niță, Alina Spînu, Magda-Ioana Nenciu - The Principles of Sustainability in the Process of site Selection and Allocating Zones For Aquaculture in Romania

P4.6. Gheorghe Radu, Maria Yankova, Laura Alexandrov, Tania Zaharia, Alina Daiana Spînu, Alexandru Nicolaev, Aurelia Țotoiu - Marine Fisheries under the Maritime Spatial Planning Framework in Romania

P4.7. Alina Daiana Spînu, Laura Alexandrov, Luminița Lazăr, Victor Niță, Iulian Nichersu, Eugenia Marin, Florentina Șela, Elena Vlăsceanu, Mădălina Roșca - Land - Sea Interaction in the Eforie Case Study

P4.8. Laura Alexandrov, Simion Nicolaev, Gheorghe Radu, Eugen Anton, Alina Daiana Spînu, Dragoș Niculescu, Alexandru Nicolaev, Gheorghe Sîrbu, Mădălina Roșca, Adrian Filimon, Cristian Danilov, Victor Niță - New methodologies for temporal and spatial analyses of fish stocks at the Romanian Black Sea Coast

P4.9. Constantin Chifelea, Antonio Tache - MSP Methodology as Support for MSP Transboundary Approach in the Shabla-Mangalia Areas

P4.10. Cristian-Sorin Danilov, Aurelia Țotoiu, Eugen Anton, Magda-Ioana Nenciu, Valodia Maximov - *Rapana venosa* - New Exploitable Resource at the Romanian Black Sea Coast

Session V - Sustainable Development and Ecological Education

Chairpersons: <i>F. Nicolae, E.V. Ionescu</i>	
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P5.1. Angelica Paiu, Mihaela Mirea Cîndea, Marian Paiu, Anca-Maria Gheorghe - Composition and Spatial Distribution of Marine Litter along the Romanian Black Sea Coast

P5.2. N. Machitadze, N. Gelashvili, V. Gvakharia, K. Bilashvili, V. Trapaidze, N. Gaprindashvili, A. Maghlakelidze - Monitoring of Marine Beach and Riverine Floating Litter Within Georgian Black Sea Coastal Area

P5.3 Mariana Golumbeanu, Alina Daiana Spînu, Magda-Ioana Nenciu, Elena Vlăsceanu, Mihail Costache - Coastal Sustainability Indicators for the Romanian Black Sea Coast

P5.4. F. Nicolae, I. Roman, A. Cotorcea - Econological Model to Sustainable Development of the Maritime Affairs

P5.5. Gabriela Liliș, Manuela Rossemary Apetroaei, Ileana Rău, Gabriel Marius Apetroaei - Environmental Factors and Professional Emissions Influence on the Ship Crew Members

P5.6. L.E. Stanciu, C. Oprea, E.I. Pascu, E.V. Ionescu, E. Circo, M. G. Iliescu - The Impact of Contrast Therapy with Techirghiol Sapropelic Mud on the Blood Elements of the Elder Patient

P5.7. E. V. Ionescu, D. Profir, O. Surdu, V. Marin, S. Demirgean, R.E. Almășan, L.E. Stanciu, C. Oprea, M.G. Iliescu, D.M. Iliescu - Statistical View Through Balneal Activity in Techirghiol Medical Area

P5.8. Simona Claudia Cambrea - Butoneuse Fever in Dobrogea - Clinico-Therapeutical Aspects

P5.9. Tamara Stanciu, Cecilia Adumitresî - Evaluation of the Respiratory Function in Divers by Measuring the Residual Volume

P5.10. Mihaela Neculiță, Liliana Mihaela Moga - Sustainable Development and the Analysis of Environmental Implementation of European Funds in Romania

P5.11. Monica Marin, Elena Pogurschi, Carmen Georgeta Nicolae - The Use of Volcanic Tuff in Dairy Farms - Solution for Environmental Protection

P5.12. Eugenia Marin, Florentina Șela, Marian Mierlă, Cristian Trifanov - Socio-Economic Analysis and Demographic Assessment for Sustainable Development of DDBR's Local Communities