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# WP - Communication

**ANEMONE Dissemination and Lessons-learned  
(Results, Deliverables, Recommendations)**

Dr. Mariana Golumbeanu  
Dr. Magda Nenciu

NIMRD “Grigore Antipa”

**Final Meeting - ANEMONE Project  
4<sup>th</sup> - 5<sup>th</sup> of March 2021, On-line Meeting**



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## Target Groups Reached (as on eMS)

## Level of achievements

• local public authority	100%
• national public authority	100%
• interest groups, including NGOs	100%
• higher education and research education/training center and schools	100%
• international organization under inter-national law	100%
• general public	100%
• other - Research institutes and agencies involved in environmental monitoring	100%

- **infrastructure and (public) service provider** - Waste water / Municipal waste manager - 1 out of 6.  
Need to be covered by sending Newsletter 4 by all partners!
- **enterprise, excluding SME** - Marine industry causing pollution in the Black Sea, such as oil and gas industries, shipping companies and fisheries companies/organizations; Shipping industry; Fishing industry; Harbor/port administration - 2 out of 6 reported.  
Need to be covered by sending Newsletter 4 by all partners!



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## WP-C: 1. Main outcomes

### GA-C.1 Communication start-up activities

Deliverable Number	Deliverable Title	Deliverable Description	Deliverable Target value	Deliverable Delivery Date
DC1.1	Promotion and Dissemination Plan	The dissemination plan explains how the project will share outcomes with stakeholders, relevant institutions and organizations, and how it will contribute to the overall dissemination strategy for the program.	1.00	02.2019  COMPLETED



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## GA-C.2. Publications, 11.2019-10.2020

Deliverable Number	Deliverable Title	Deliverable Description	Deliverable Target value	Target audience	Deliverable Delivery Date
DC2.1	Peer-reviewed scientific publications, conference papers, scientific magazines and journals  Conference/workshop presentations.	The results obtained within the ANEMONE project will be best disseminated to the scientific community by means of peer-reviewed journals, with international recognition.	6.00 (at least 1 paper/partner to be published in international scientific journal - if it proves possible)	Scientists and the wider scientific community  Policy & decision-makers and local authorities	03.2021  IN PROGRESS  Papers' list
DC2.2	Manual, atlas, thematic reports	Black Sea Monitoring and Assessment Guideline; Black Sea State of Environment/Thematic Reports; Black Sea Seafood Safety etc. The project deliverables can be edited and processed in a publishable format.	3.00	Scientists and the wider scientific community  Policy & decision-makers and local authorities	03.2021  IN PROGRESS  ISBN publications
DC2.3	Project newsletter	4 editions of the periodic newsletters (online 2 times/year). E-mailings to potential end-users and stakeholders (about 200 end-users and stakeholders - list of 40 stakeholders / partner).  Informative letter - sent to the identified stakeholders	4.00	Scientists and the wider scientific community  Policy & decision-makers and local authorities	03.2021  COMPLETED  Newsletter 1 Newsletter 2 Newsletter 3 Newsletter 4





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## DC2.1. Dissemination of project through presentations of project results in scientific conferences

EUROFISH 2018 Regional Conference on "River habitat restoration for inland fisheries in the Danube river basin and adjacent Black Sea areas", 13-15 November 2018, Bucharest, Romania;



International Conference "Rivers - Deltas - Seas Systems", celebrating 25 years of the National Research and Development Institute for Marine Geology and Geo-Ecology, 15-16 November 2018, Bucharest, Romania;



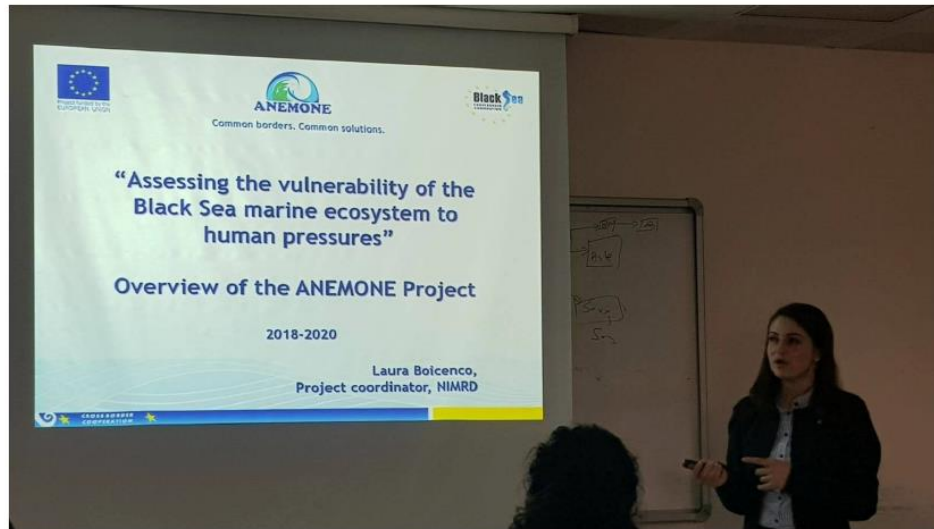


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## DC2.1. Dissemination of project through presentations of project results in scientific conferences

International Conference GLOBAL and REGIONAL in ENVIRONMENTAL PROTECTION - GLOREP 2018, 15-17 November 2018, Timisoara, Romania

Integrated Water Management Training organized by the Ankara University Water Management Institute, 18-22 March 2019 (Turkey).







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## DC2.1. Dissemination of project through presentations of project results in scientific conferences

Workshop on involving stakeholders in the prevention and mitigation of marine litter, in the frame of the project #MARLITER (Improved online public access to environmental monitoring data and data tools for the Black Sea Basin supporting cooperation in the reduction of marine litter), Project number: BSB-138, 5 March 2019, Constanta, Romania.



5<sup>th</sup> Meeting of the Black Sea Working Group in the framework of the Agreement between the Ministry of Waters and Forests Romania and the Ministry of Environment and Water Bulgaria, 18 February 2019, Constanta, Romania.



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## DC2.1. Dissemination of project through presentations of project results in scientific conferences

**ANEMONE Project at the International Workshop SUSTAINABLE WATER ECOSYSTEMS MANAGEMENT (SWEM 2019), 5-6 April, 2019, Bucharest, ROMANIA**







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## DC2.1. Dissemination of project through presentations of project results in scientific conferences



Anemone is at ibis Constanța.

Published by Magda Nenciu [?] · July 4 · Constanța ·

Anemone at the Regional Workshop on "Data Study Analysis on Marine Litter and Information for the Interactive Portal" in the frame of the #MARLITER Project (Improved online public access to environmental monitoring data and data tools for the Black Sea Basin supporting cooperation in the reduction of marine litter), 3-4 July 2019  
Elena Bișnicu Elena Daniela Pantea Magda Nenciu Aurelia Totoiu Silvia C. Mădălina Marin Dragos Cetin Menadil Anca-Maria Gheorghe Mihaela Candea Mirea Angi Paiu Institutul National de Cercetare-Dezvoltare Marina "Grigore Antipa" INCDM ONG Mare Nostrum Black Sea Basin CBC #marinelitter #publicengagement #crossborder



Anemone

Published by Magda Nenciu [?] · July 27 ·

@anemone at the #EmblasPlus MARINE LITTER AND MICRO-LITTER WORKSHOP, 26-27 JULY 2019, hosted by Institutul National de Cercetare-Dezvoltare Marina "Grigore Antipa" INCDM Welcome speech by General Director Dr. Eng Simion Nicolae. Marine litter monitoring in the Black Sea - towards harmonized beach litter monitoring; floating and seafloor marine macro litter monitoring; riverine floating litter monitoring. Practical training for beach litter monitoring using the Marine Litter... See More



## DC2.1. Dissemination of project through presentations of project results in scientific conferences

NIMRD ANEMONE experts attended a Training Course on Ocean Colour Remote Sensing, during 18-19 September 2019, organized by IO-BAS partner in Varna, Bulgaria



Cetacean Monitoring Workshop, 17 October 2019, Ibis Hotel Constanta, Romania: The second round of #ANEMONE workshops has started in Romania: discussing dolphin monitoring activities and stakeholder involvement, as well as general developments of the project





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## DC2.1. Dissemination of project through presentations of project results in scientific conferences

Symposium of the municipality of Beykoz, İstanbul, 12.08.2019

TUDAV



Marine Litter approach in ANEMONE project: Oral presentation to a scientific event, Black Sea Commission, İstanbul, Turkey, 13.11.2018

TUDAV





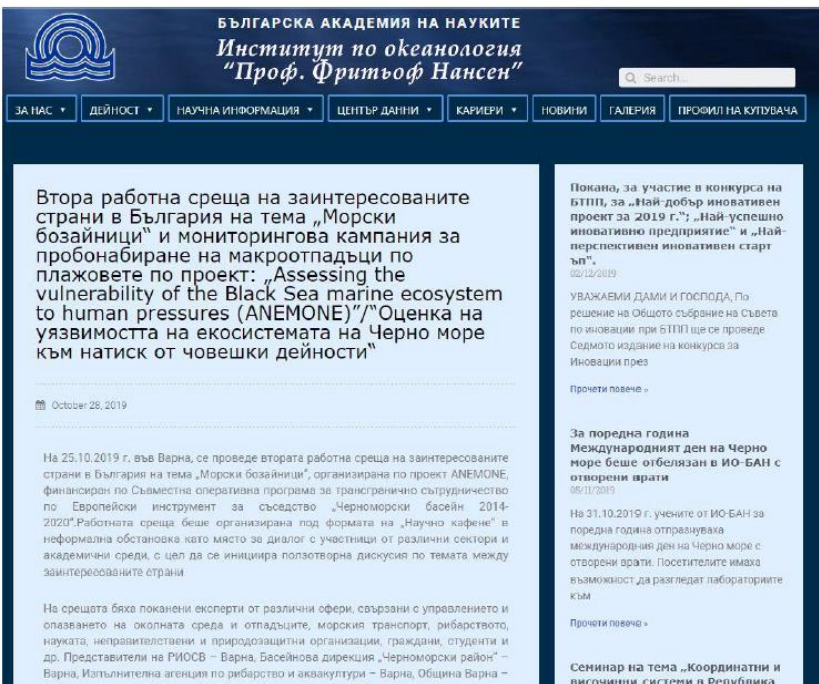
## DC2.1. Dissemination of project through presentations of project results in scientific conferences

2nd Workshop of Local Stakeholders Public Involvement in the conservation of Black Sea cetaceans, 21 November 2019, Odessa, Ukraine

UkrSCES

Second workshop of stakeholders in Bulgaria on cetaceans in Varna, Bulgaria, on 25.10.2019

IO-BAS



БЪЛГАРСКА АКАДЕМИЯ НА НАУКИТЕ  
Институт по океанология  
"Проф. Фритъф Нансен"

Окtober 28, 2019

Втора работна среща на заинтересованите страни в България на тема „Морски бозайници“ и мониторингова кампания за пробонабиране на макроотпадъци по плажовете по проект: „Assessing the vulnerability of the Black Sea marine ecosystem to human pressures (ANEMONE)“/”Оценка на уязвимостта на екосистемата на Черно море към натиска от човешки дейности“

На 25.10.2019 г. във Варна, се проведе втората работна среща на заинтересованите страни в България на тема „Морски бозайници“, организирана по проект ANEMONE, финансирани по Съвместна оперативна програма за трансгранично сътрудничество по Европейски инструмент за съседство „Черноморски басейн 2014-2020“. Работната среща беше организирана под формата на „Научно кафене“ в неформална обстановка като място за диалог с участници от различни сектори и академични среди, с цел да се иницира ползотворна дискусия по темата между заинтересованите страни

На срещата бяха поканени експерти от различни офери, свързани с управлението и опазването на околната среда и отпадъците, морския транспорт, рибарството, науката, неправителствени и природозащитни организации, граждани, студенти и др. Представители на РИОСВ – Варна, Басейнова дирекция „Черноморски район“ – Варна, Изпълнителна агенция по рибарство и аквакултури – Варна, Община Варна – Варна, Асоциация „Община Мезембрия – Одеса, Басейнът“ (Басейнът), Училище „Училище“

Покана, за участие в конкурса на БТПП, за „Най-добър иновативен проект за 2019 г.“; „Най-успешно иновативно предприятие“ и „Най-перспективен иновативен старт ъп“.

06/12/2019

УВАЖАЕМИ ДАМИ И ГОСПОДА, Порешение на Общото събрание на Съвета по иновации при БТПП ще се проведе Седмото издание на конкурса за Иновации през

Прочети повече >

За поредна година Международният ден на Черно море беше отбелязан в ИО-БАН с отворени врати

06/11/2019

На 31.10.2019 г. учениците от ИО-БАН за поредна година отпразнуваха международния ден на Черно море с отворени врати. Посетителите имаха възможност да разгледат лабораториите към

Прочети повече >

Семинар на тема „Координатни и височинни системи в Република



Український науковий центр екології моря added 7 new photos.

Nov 25 at 18:53 • 🌐

2nd Workshop of Local Stakeholders «Public involvement in the conservation of Black Sea cetaceans» was held at 21st of November on the basis of Ukra... See More

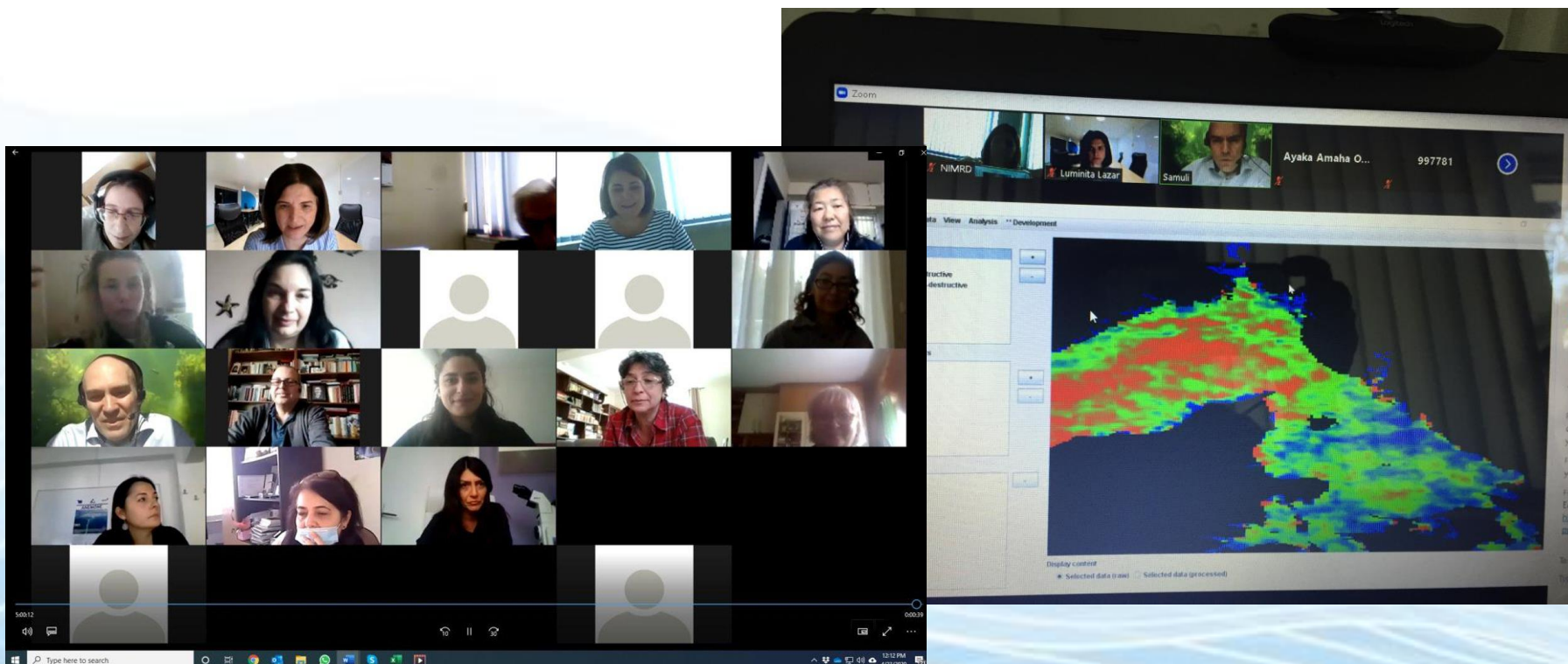




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## DC2.1. Dissemination of project through presentations of project results in scientific conferences

ANEMONE Workshop on-line meeting: Webinar on Identification and prioritization of Hot Spots (pressures & impacts) in the Black Sea region, 22 April 2020







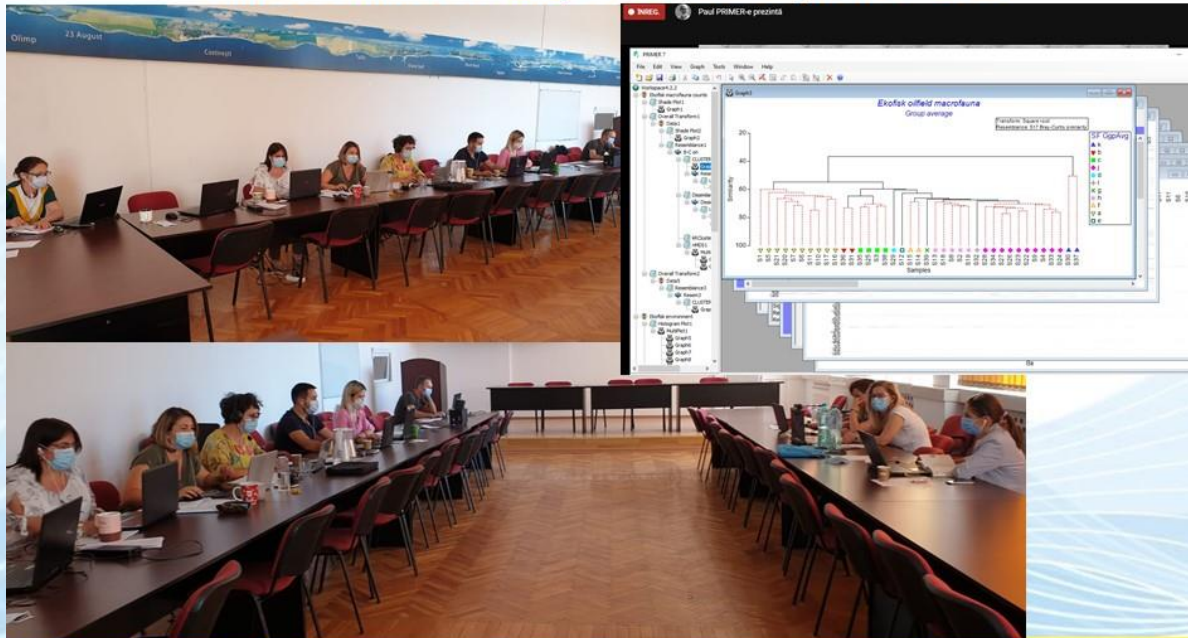
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# DC2.1. Dissemination of project through presentations of project results in scientific conferences



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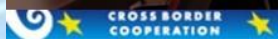
## PRIMER 7 Online Workshop / 14<sup>th</sup> - 18<sup>th</sup> September 2020



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## shop / 14<sup>th</sup> - 18<sup>th</sup> September 2020







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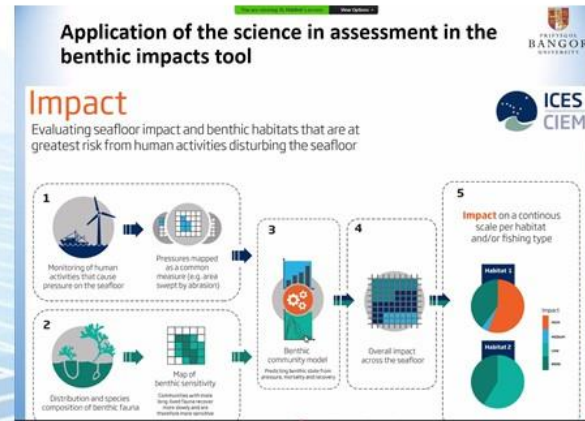
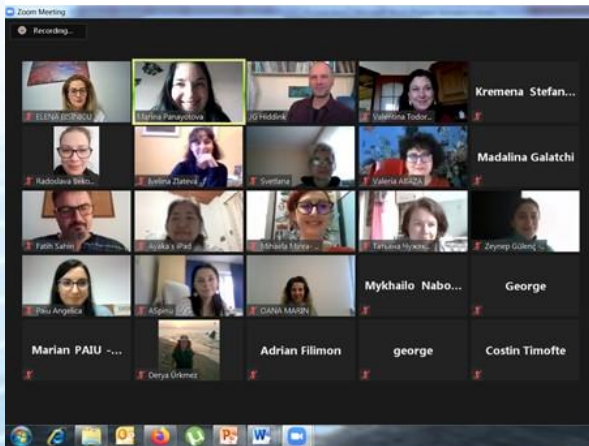
# DC2.1. Dissemination of project through presentations of project results in scientific conferences



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## ANEMONE Workshop 2

Methodologies for monitoring and assessment of the ecological status under the Descriptors D1,6 - Benthic habitats and Seabed integrity, D1 Biodiversity and D2 Non-indigenous species in Black Sea  
15 - 16 December 2020, Zoom Meeting hosted by IO-BAS





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## DC2.1. Dissemination of project through presentations of project results in scientific conferences

Coordination of Marine and Maritime Research and Innovation in the Black Sea  
Black Sea CONNECT

National Workshop on the Black Sea Strategic Research and Innovation Agenda - Romania, NIMRD, 24 September 2020, hosted by NIMRD "Grigore Antipa"



Inițiativa de Cercetare Abstrăctă pentru Cercetare și Inovare în Marea Neagră Susținută de către Uniunea Europeană prin Proiectul Horizon 2020 "Black Sea CONNECT"

**Rezultate preconizate**

- ◆ Raport privind lacunele și prioritățile actuale ale programului de monitoring al bazinului Mării Negre
- ◆ Ateliere de lucru privind metodele de monitorizare, indicatori comuni și noi instrumente pentru evaluarea stării ecologice
- ◆ Ghid privind monitorizarea și evaluarea stării ecologice a Mării Negre (BSMAG)
- ◆ Studii pilot de monitorizare pentru testarea BSMAG
- ◆ Atelier de instruire privind metodologia Hot Spot și utilizarea bazei de date HS
- ◆ Instrument de orientare privind criteriile de adaptare pentru monitorizarea impactului activităților maritime
- ◆ Studiu pilot privind evaluarea substanțelor periculoase în biota Mării Negre
- ◆ Implicare publicului în activitățile științifice legate de deșeurile marine și cetaceele

**ANEMONE**  
Assessing the vulnerability of the Black Sea marine ecosystem to human pressures

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<http://anemoneproject.eu/>

Workshop Common Borders - Republica Moldova  
24 septembrie 2020, Constanta



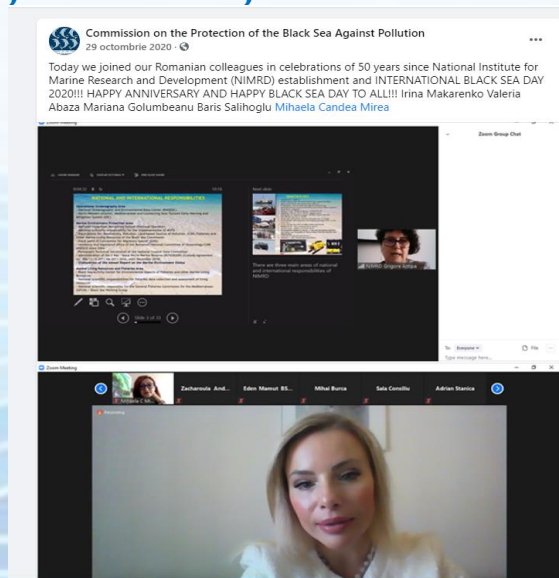


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DC2.1. Dissemination of project through presentations of project results in scientific conferences



CELEBRATION OF 50 YEARS OF NIMRD ESTABLISHMENT and INTERNATIONAL BLACK SEA DAY, 29 October 2020, Constanta, Romania







# DC2.1. Dissemination of project through presentations of project results in scientific conferences

TUDAV REGIONAL CONFERENCE ON THE OCCASION OF THE 24<sup>TH</sup> BLACK SEA ACTION DAY



## SPEAKERS



Traian CHEBELEU



Serap USTAÖĞLU TIRIL  
PhD



Ülgen AYTAN, PhD



Bayram ÖZTÜRK, PhD



Hasan DEMİRHAN



Nato KIRVALIDZE



Sibel SEZER, PhD



Jaroslav SLOBODNIK, PhD



Mihaela CANDEA MIREA



Yavuz EROĞLU



Atila ÖZDEMİR, PhD



Irina MAKARENKO



Mustafa AYDIN



Derya ÜRKMEZ, PhD



Osman PARLAK

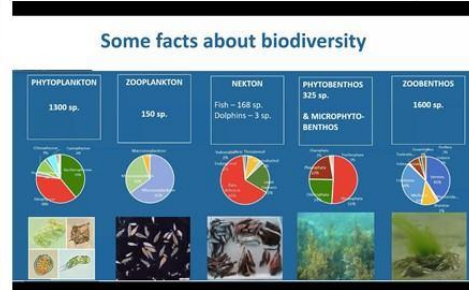
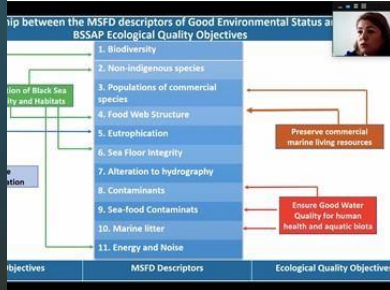


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## BLACK SEA BIODIVERSITY – FROM SCIENCE TO POLICY -

Dr. Laura Boicenco  
NIMRD "Grigore Antipa", Romania



### Why do we need to evaluate Black Sea Biodiversity?

- Loss of biodiversity = loss of species (or population)
- Provide many resources for human consumption
- Protect the endangered species
- Protect the habitats
- Source of raw material such as medicine

among living organisms from all ecosystems and the ecological complexes of which they are part; this includes diversity within species, between species, and of ecosystems"

Convention on Biological Diversity (CBD)

31<sup>st</sup> of October 2020

SAVE THE BLACK SEA  
www.tudav.org

CROSS BORDER COOPERATION

CROSS BORDER COOPERATION



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## GA-C.2. Papers published

1. **Laura Boicenco, Mariana Golumbeanu, Magda Nenciu (2019).** REGIONAL COOPERATION AIMING AT ASSESSING THE VULNERABILITY OF THE BLACK SEA MARINE ECOSYSTEM TO HUMAN PRESSURES. Proceedings of the International Workshop “Sustainable Water Ecosystems Management” (SWEM 2019), 5-6 April 2019, Bucharest, PROCEEDINGS of the International Workshop Editura PRINTECH, Bucharest, 2019.
2. **Marina Panayotova, Radoslava Bekova, Kremena Stefanova, Valentina Todorova, Media Gumus, Violeta Slabakova, Bogdan Prodanov, Svetla Mihova (2020).** SEASONAL COMPOSITION AND DENSITY OF MARINE LITTER ON ASPARUHOVO BEACH, VARNA, BULGARIA. Abstract / International Seminar of Ecology, organized by the Section Biology - Union of Scientists in Bulgaria and the Institute of Biodiversity and Ecosystem Research - Bulgarian Academy of Sciences, Sofia
3. **Elena Stoica, Hakan Atabay, Levent Bat, Andreea Ciuca, Silvia Creanga, Dragos Marin, Ayşah Öztekin, Mihaela Tanase, Leyla Tolun (2020).** MARINE LITTER OCCURRENCE IN THE RIVER-INFLUENCED BLACK SEA COAST, pp. 49-62, in Aytan, Ü., Pogojeva, M., Simeonova, A. (Eds.,) 2020. Marine Litter in the Black Sea. Turkish Marine Research Foundation (TUDAV) Publication No: 56, Istanbul, Turkey.
4. **Aurelia Țotoiu, George-Emanuel Harcotă, Elena Bişinicu, Florin Timofte, Laura Boicenco (2020).** DISTRIBUTION OF MICRO- AND MESOLITTER IN THE SOUTHWESTERN PART OF THE BLACK SEA, in Aytan, Ü., Pogojeva, M., Simeonova, A. (Eds.,) 2020. Marine Litter in the Black Sea. Turkish Marine Research Foundation (TUDAV) Publication No: 56, Istanbul, Turkey.





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## GA-C.2. Papers published

*Acknowledgements. The studies have been supported by the ANEMONE project „Assessing the vulnerability of the Black Sea marine ecosystem to human pressures”, funded by the European Union under ENI CBC Black Sea Basin Program 2014-2020, grant contract 83530/20.07.2018.*

5. **Oleksandra Rachynska, Liudmyla Krasota (2020).** BIOINDICATION OF THE BLACK SEA ENVIRONMENT QUALITY BY MICROPHYTOBENTHOS INDICATORS. *Cercetari Marine/Marine Research Journal*, issue 50.
6. **Oana Marin, Valeria Abaza, Elena Bişinicu, Laura Boicenco, Valentina Coatu, Mădălina Galaţchi, Luminiţa Lazăr, Andra Oros, Elena Pantea, Cristina Tabarcea, George Țiganov, Oana Vlas (2020).** PERFORMING FIRST INTEGRATIVE EVALUATION OF THE ECOLOGICAL STATUS OF ROMANIAN BLACK SEA WATERS USING NESTED ENVIRONMENTAL STATUS ASSESSMENT TOOL. *Cercetari Marine/Marine Research Journal*, issue 50.
7. **Valentina Coatu, Nicoleta Damir, Andra Oros, Hakan Atabay, Ertuğrul Arslan, Leyla Tolun, Yuriy Denga, Yurii Oleinik (2020).** COMPARATIVE ASSESSMENT OF ORGANIC POLLUTION IN THE RIVERS IMPACT AREA OF THE NORTH-WESTERN, WESTERN, AND SOUTHERN PART OF THE BLACK SEA. *Cercetari Marine/Marine Research Journal*, issue 50.





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## **GA-C.2. Publications - Deliverables will be published with ISBN**

**DT1.1. Overview of Monitoring Programs and Available Data and Information, Identification of Knowledge Gaps and Research Needs at National and Regional Level**

**DT1.3. Black Sea Monitoring and Assessment Guideline (BSMAG)**

**DT2.1. Impact of rivers loads on Black Sea coastal ecosystems**

**DT2.2. Hot Spots impact on the Black Sea coastal waters**

**DT2.3. Black Sea State of the Environment. ANEMONE Joint Cruise**

**DT3.1. Hazardous substances assessment in Black Sea biota**

**DT4.1. From Public Engagement to Citizen Science - Black Sea model**

**DT4.2. Marine litter status on Black Sea shore through citizen science**

**DT4.3. Citizen science - a tool to assess cetacean population status**



# GA-C.2. Publications - Newsletter 1

**Assessing the Vulnerability of the Black Sea Marine Ecosystem to Human Pressures**

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**ANEMONE** aims to deliver, through collaborative efforts among partners, a common strategy related to the Joint Monitoring of the Black Sea, using the most adequate common agreed assessment criteria and indicators, in order to assess the status of the Black Sea, as a basis for further actions. An improved cross-border collaboration and research capacity in addressing trans-boundary pollution, eutrophication, and biodiversity monitoring as required by the Marine Strategy Framework and the Black Sea Strategic Action Plan 2020, represent a basis for comparison between the conclusions of the Black Sea states about the short-term and long-term dynamics of the Sea. The proposed joint monitoring requirements will focus on parameters that are indicative of the state of the environment, the prevailing anthropogenic pressures and their impacts, and the progress towards the good environmental status (GES) (ecological objectives and targets).

**OBJECTIVES**

- Enhanced cross-border contacts within the Black Sea Basin: scientists and stakeholders networking, forums, and establishment of lasting partnerships;
- Enhanced knowledge and skills: the exchange of experience and good practices, innovation, harmonized methodologies, and joint research;
- Concrete and visible outputs: pilot projects, information and communication technologies shared tools, online open-access resources.

This publication has been produced with the financial assistance of the European Union. The content of this publication is the sole responsibility of ANEMONE and MCO and does not necessarily reflect the views of the European Union.



**ANEMONE KICK-OFF MEETING, 22-23 OCTOBER 2018, CONSTANTA, ROMANIA**

During 22-23 October 2018, the partners in the ANEMONE Project met in Constanta for the Kick-off Meeting. The meeting was opened by dr. Tania Zaharia, NIMRD's Scientific Director, who congratulated the consortium for the hard work in drawing up the successful proposal and wished everyone good luck in implementing the Action. An overview of the ANEMONE Project was presented by the Coordinator, dr. Laura Belcoro, after which the work package leaders summarized the objectives and activities to be undertaken in each WP as follows:

- WP-T1 - Monitoring: Current situation, needs, requirements for improvement, revision; dr. Valentina Todirova (IO-BAS, Bulgaria);
- WP-T2 - Field work: conducting pilot monitoring studies in selected study area; dr. Luminita Lazar (NIMRD, Romania);
- WP-T3 - Seafloor safety in Black Sea region; dr. Andra Oros (NIMRD, Romania);
- WP-T4 - Enhance stakeholders and public awareness on environmental issues - Mihaela Candea-Mirea (Mare Nostrum NGO, Romania);
- WP-C - Communication; dr. Mariana Golumbeanu (NIMRD, Romania). As a good practice example for the ANEMONE consortium, dr. Evangelina Papathanassiou, Greece, member of the Steering Committee and external adviser, delivered the presentation "Successful monitoring in the Black Sea: A Journey to enjoy!". The day was concluded with the first Steering Committee Meeting. The following day, on 23 October, parallel working sessions were carried out, aimed at planning the activities under each work package. Thus, for each WP, the partners discussed and agreed on the preparing, scheduling and budgeting all activities foreseen by ANEMONE.

**RO**

The activity started in Romania, where, on 27 March 2019, in Constanta, the first workshop was organized. Within this activity, the 18 participants had the opportunity to learn about how to get involved in the monitoring of marine litter on the Romanian Black Sea coast, but also the way how the data are used, how to quantify their involvement and how the process of data interpretation is done. After participating in this workshop, the citizens, volunteers and rangers were involved in the marine litter monitoring activity carried out by the NGO Mare Nostrum, on 8 beach sectors on the Romanian Black Sea coast, thus having the opportunity to get actively involved in the marine litter monitoring process, collecting over 12,000 items, with a total weight of 95 kg.

**UK**

The second workshop took place in Ukraine, in Odessa, on 9 April 2019, where at the Ukrainian Scientific Center of Ecology of the Sea (UESCES) over 60 participants (students from Odessa universities and members of the scientific center) have addressed 5 key topics on marine litter during discussions. Discussions were held in working groups, addressing issues such as the ways in which litter gets on beaches and sea water, its impact on the environment, the relationship between plastic and marine waste prevention solutions, and the need for collaboration between authorities and citizens.

**BG**

A common problem can be improved and prevented by identifying and implementing measures and solutions, but especially through the cooperation of riparian countries and the active involvement of citizens. Therefore, 4 of the 6 Black Sea countries joined their efforts within the ANEMONE project - "Assessing the vulnerability of the Black Sea marine ecosystem to human pressures". BSB-219, funded by the Joint Operational Programme Black-Sea-Basin 2014-2020. Thus, 4 partners from Romania, Ukraine, Bulgaria and Turkey, organized 4 workshops on the topic of marine litter. If in the past few years meetings and discussions have been held with various representatives of the authorities, scientific and business communities, this time the talks have been held with citizens from these countries, because they are the main engine that can mobilize the population to adopt a responsible behavior to the environment. Public engagement is a key factor in the context of responsible research and innovation, focusing decisions on society's needs and ensuring a transparent and transdisciplinary approach. These workshops have been an essential activity for involving citizens in finding and applying solutions to the marine litter problem and public awareness of marine environment issues.

**TR**

The last workshop took place in Turkey, on 24 April 2019, in Istanbul. More than 50 citizens obtained a very important aspect of this issue, focusing on the impact of marine litter on the environment. After discussing these issues and learning how they can be actively involved in preventing it, they also took part in a marine litter monitoring action organized by the Turkish Marine Research Foundation (TUMRF), where they collected 75 kg of plastic, 19 kg of glass and 18 kg of metal. The involvement of participants in monitoring activities, after these workshops, is a first step for the public engagement of citizens in addressing the marine litter problem. Citizens are the main actors, contributing to raising awareness of this issue, but also to changing local communities.

**GR**

The series of these workshops in the Black Sea basin continued in Varna, Bulgaria, where on 17 April 2019, over 35 participants learned about the current situation of Bulgaria's marine litter problem. They had the opportunity to see the situation close to one of the beaches, due to the location of the event that took place in a non-formal environment within a beach bar, thus emphasizing the visual impact of the problem. Also in this respect, the Institute of Oceanology (IO-BAS) made a demonstration with the drones, participants being able to visualize the situation of the beach as a whole. After this workshop, the participants were involved in the inventory and monitoring of the litter encountered on the beach where the workshop was run.

**MARINE LITTER**




**Assessing the Vulnerability of the Black Sea Marine Ecosystem to Human Pressures**

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Joint Operational Programme Black Sea Basin 2014-2020 National Institute for Marine Research and Development "Gheorghe Aschile" (NIMRD) and Mare Nostrum Foundation, financed by the Joint Operational Programme Black Sea Basin 2014-2020 in co-financing by the European Union. Bulgaria, Greece, Romania, Republic of Moldova, Romania, Turkey and Ukraine. This publication has been produced with the financial assistance of the European Union. The content of this publication is the sole responsibility of ANEMONE and MCO and does not necessarily reflect the views of the European Union.







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# GA-C.2. Publications - Newsletter 2

**Assessing the Vulnerability of the Black Sea Marine Ecosystem to Human Pressures**

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**ANEMONE JOINT SCIENTIFIC CRUISE: MULTI-NATIONAL COLLABORATION FOR MONITORING THE BLACK SEA ENVIRONMENT**

**MULTINATIONAL TEAM**

The project "Assessing the vulnerability of the Black Sea marine ecosystem to human pressures" (ANEMONE), coordinated by the National Institute for Marine Research and Development "Gheorghe Aschileu", Romania, in partnership with Mare Neustran NGO - Bulgarian Academy of Sciences (IO-BAS), the Scientific and Technological Research Council of Turkey/Namara Research Center (TUBITAK-NAM), the Turkish Marine Research Foundation (TUDAM), Turkey and the Ukrainian Scientific Center of Ecology of the Sea (EKOSES), has completed, during 1-8 October 2019, the Black-Sea Joint Scientific Cruise, one of its core activities.

The implementation of the cruise, polygons and parameters, the methodology of data acquisition and processing and indicators for good environmental status assessment were selected in compliance with the Black Sea Integrated Monitoring and Assessment Programme (BSIMAP) and used best available practices and ensured comparability of data with previous monitoring activities in Bulgarian, Romanian, Ukrainian and Turkish waters.

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**MORE WORK IS YET TO COME**

In the coming months, marine scientists will study these data, including work in laboratory, processing of samples, data analysis and state assessment. The results will serve for the mapping of the bottom habitats and to assess the biodiversity and integrity of the seabed under the requirements of the Marine Strategy Framework Directive.

Collecting water and sediment samples of hazardous substances (heavy metals, total petroleum hydrocarbons (TPH), polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs) and organochlorine pesticides (OCPs)), as well as sampling marine mollusks will help to set up the allowable level of contaminants for human seafood consumption and to assess the pollution level in Black Sea biota.

**LITTER, MARINE MAMMALS AND SEABIRDS MONITORED**

Simultaneous observations of seabirds and microworld from water column were done during the cruise, following the Guidance on Abundance of Marine Litter in European Seas.

Marine mammals, beach and floating litter were included in the Remote-survey of ANEMONE cruise.

We traveled 20 transects with a length of 619 meters, totaling a number of about 60 hours and more than 300 sightings were collected, with a weight of over 500 kg of birds.

After the cruise, the samples collected will be studied by scientists from all four participating countries. The results will be shared, collated and published as the report on the "Status of the Environment of the Western Black Sea".

**COMPREHENSIVE SAMPLING**

The Joint Cruise completed 1 sampling areas/polygons and 21 stations, selected so as to cover shelf and open sea pelagic habitats and similar benthic habitats of each partner country. An impressive number of water and sediment physical, chemical (including pollutants) and biological samples (~1500), related to 120 parameters were measured during the cruise, of relevance for indicator-based assessment of the Western Black Sea environmental status.

"Organizing this joint cruise with specialists from countries around Black Sea is a great opportunity because this expedition allowed collecting valuable data and promoting the importance of an integrated marine monitoring at regional level for a responsible ecosystem-based management in the Black Sea", stated Dr. Laura Bolocan, the chief scientist of the expedition and coordinator of the ANEMONE project.

"We collected nearly 65 samples from the seabed of the Romanian, Bulgarian and Turkish Black Sea Shelf and extended measurements for dissolved oxygen, temperature, salinity, nutrients, pollutants and biological parameters (bacteriology, phytoplankton, micro and mesozooplankton and jellyfish)", she added.

**REAL TIME DATA AVAILABLE**

The EA-RIDE Argo float model "Arvor-1" was deployed in the Romanian Black Sea shelf waters during ANEMONE Joint Cruise. Every day it provided real time temperature and salinity profiles. These are transmitted to satellites when the float reaches the surface. The data collected by the Argo float are publicly available in near real-time via the Global Data Assembly Centers (GDACs). Data from "Arvor-1" float can be downloaded from: [http://77.wa.cern.ch/argos/argos\\_floats\\_by\\_WMO\\_codes](http://77.wa.cern.ch/argos/argos_floats_by_WMO_codes).

**Assessing the Vulnerability of the Black Sea Marine Ecosystem to Human Pressures**

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Joint Operational Programme Black Sea 2014-2020 National Institute for Marine Research and Development "Gheorghe Aschileu" (INMARDI), Romania 2019  
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## GA-C.2. Publications - Newsletter 3

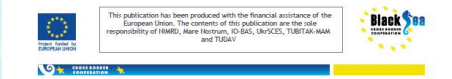


**ANEMONE Stakeholder Workshops Dedicated to Cetacean Monitoring**

The project "Assessing the vulnerability of the Black Sea marine ecosystem to human pressures" (ANEMONE), coordinated by the National Institute for Marine Research and Development "Grigore Antipa", Romania, in partnership with Mare Nostrom NGO, the Institute of Oceanology - Bulgarian Academy of Sciences (IO-BAS), the Scientific and Technological Research Council of Turkey/Marmara Research Center (TUBITAK-MAM), the Turkish Marine Research Foundation (TUDAV), Turkey, and the Ukrainian Scientific Center of Ecology of the Sea (UkrSCES), has completed the second round of national stakeholder engagement workshops. While the first round was dedicated to marine litter, these workshops focused on cetacean monitoring and finding ways of stakeholder involvement in dolphin monitoring activities.



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**ROMANIA**

The second public engagement workshop in Romania, dedicated to "Stakeholder involvement in dolphin monitoring activities", was organized by Mare Nostrom NGO on 17 October 2019, in Constanta. It was attended by 43 participants, from various activity sectors like NGOs, education, research, authority/policy makers, and was divided in two parts. The first one was focused on discussion with authorities and issues related to the monitoring activities of the Black Sea dolphins, legislative aspects regarding their conservation and availability of data related to cetaceans. The second part was dedicated to training the members of the Stranding Monitoring Network, represented by teachers from different schools from Constanta County. After the workshop, Mare Nostrom developed the diagram information on cetaceans in the Romanian Black Sea waters, a diagram about how to communicate inter-institutional information related to cetacean monitoring program in the Black Sea Romanian waters and formed the Stranding Monitoring Network for the school year 2019-2020, network that increased after this workshop and performed land surveys in order to collect data about cetaceans and stranding events. After this workshop, the trained teachers organized 13 trainings in schools, recruiting members for the network, which at this time is formed by 85 teachers and 360 students from the Constanta County.



**BULGARIA**

The second workshop of stakeholders in Bulgaria on cetaceans was organized by the Institute of Oceanology - Bulgarian Academy of Sciences (IO-BAS) and IGO "Green Bottlers" in the format called "Science Café" on 29 October 2019. The workshop was focused on the topic cetaceans. The present state of Black Sea cetacean populations is not certain in spite of research and conservation measures during last twenty years. The insufficiency of scientific information concerns the population abundance, distribution, migrations, critical habitats, anthropogenic and natural threats as well as some basic aspects of the history and pathology. The workshop was attended by 45 participants, representing governmental organizations, universities, research institute, NGO and general public. The workshop program was organized in the form of short presentations of ANEMONE project, monitoring activities on cetaceans in Bulgaria, as well as presentations of projects and activities within the Black Sea region dealing with cetaceans. The discussions covered questions related to by-catch of cetaceans, monitoring activities and also the obtained results from the First Monitoring campaign on marine litter were presented.



**TURKEY**

TUDAV's second public engagement workshop was on cetaceans, especially cetacean stranding on the Turkish Black Sea coasts. It was held on 2 December 2019 in Istanbul, Turkey. Presentations were made on the basic characteristics of cetaceans, such as "which species do we have in our waters?", "what we should do if we see a stranded dolphin?", "how can we create a stranding network?", "what kind of information we need to record for a stranded cetacean?" etc. Twenty-seven people participated in the workshop. The participants profile consisted of fishery experts working for the Ministry of Agriculture and Forestry of 12 coastal cities on the Black Sea (Kirkisleri, Istanbul, Sakarya, Zonguldak, Bartin, Karamuru, Sinop, Samsun, Ordu, Giresun, Trabzon and Rize), teachers, researchers, and students. Before the workshop, a questionnaire on stranding cetaceans was sent to experts in order to have information regarding the current situation of their coasts. The experts presented their situation at the workshop followed by a discussion session. Network, as well as a need for functional mechanism within the relevant authorities are key issues for the monitoring of cetacean strandings, as agreed by the whole participants.



**UKRAINE**

The Second Workshop of Local Stakeholders - "Public involvement in the conservation of Black Sea cetaceans" was held on 21 November 2019 in UkrSCES, Odessa. 48 people attended the workshop and more than half of them (54.2%) were students and their teachers. In addition, there were colleagues and researchers from UkrSCES and IGO that attended and participated in the Workshop. The Focus Group method was used to involve participants in discussions concerning the topic. All participants (students and teachers) were distributed around the 3 tables. Each table had its own subject for discussion and their own moderator (lecturer). Then the participants were invited to share results from their conversations with the rest of the whole group. During the workshop, participants received important information about the problem of cetacean conservation in the Black Sea region: they learned about the species composition of cetaceans, their biology, physiology and ecology, threats; about the ethical and commercial component of keeping dolphins in captivity, and also discussed possible ways of solving these problems for the Black Sea.



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Project partner 4 - Ukrainian Scientific Center of Ecology of Sea (UkrSCES) (Ukraine)  
Project partner 5 - Scientific and Technological Research Council of Turkey/Marmara Research Center (TUBITAK-MAM) (Turkey)  
Project partner 6 - Turkish Marine Research Foundation (TUDAV) (Turkey)



Newsletters were sent to all partners to be distributed to relevant stakeholders in their countries. In Romania - sent to the stakeholders list



# GA-C.2. Publications - Newsletter 4

## Assessing the Vulnerability of the Black Sea Marine Ecosystem to Human Pressures

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### THE ANEMONE JOURNEY AT A GLANCE

The monitoring and assessment of the sea and coast, based on scientific knowledge, is the indispensable basis for the management of human activities, in view of promoting their sustainable use and conserving marine ecosystems. In this context, the project "Assessing the vulnerability of the Black Sea marine ecosystem to human pressures" (ANEMONE) aimed to deliver, through collaborative efforts among partners, a common strategy related to the Joint Monitoring of the Black Sea, using the most adequate common agreed assessment criteria and indicators. In order to assess the status of the Black Sea, as a basis for further actions, ANEMONE was built upon the monitoring related provisions of the Black Sea Commission, taking into account existing regional (BSMAP) and national monitoring programs, the best practices of other Regional Sea Conventions, and last, but not least, the Marine Strategy Framework Directive (MSFD) principles, aiming to contribute further to harmonization of methodologies and filling of knowledge gaps identified in the region.



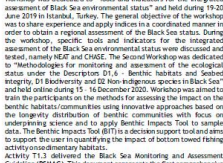
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## GA T1 - Monitoring: current situation, needs, requirements for improvement, revision (coordinated by ICS-BAS)



Three main activities were accomplished successfully under GA T1: Activity T1.1 delivered a review of the national marine monitoring programmes of Bulgaria, Romania, Turkey and Ukraine. Information was exchanged on the policy/legal frameworks of monitoring and the national management specific types of implemented monitoring parameters measured, monitoring networks, spatial and temporal coverage of available data on the biodiversity of pelagic and benthic habitats and selected species groups, contaminants and marine litter, which are examined against the requirements of the European Directive, WFD and MSFD, as well as the regional BSMAF. Chapter 6 is dedicated to the updated MSFD requirements through the revised MSFD Annex III on the indicative ecosystem elements, anthropogenic pressures and human activities relevant to the marine waters and COASTS/COSECS/ECOSYSTEMS/2017/848 of 14 May 2017, which set up the revised criteria, methodological standards, specifications and standardised methods for the monitoring and assessment of the marine environment. National reviews reveal gaps at all levels - legal frameworks and implementation, institutional capacity and cooperation, scientific and technological methodologies for monitoring and assessments, spatial and temporal coverage of available data, integrated assessment approaches. Based on the gap analysis, the research needs are outlined and recommendations are produced, which take into consideration the requirements of the MSFD for good knowledge-based decision-making.

Under Activity T1.2, two workshops on methodologies for monitoring methods, common indicators and new tools for the assessment of the ecological status were organized. The first workshop was dedicated to "Tools and indicators for the integrated assessment of Black Sea environmental status" and held during 19-20 June 2019 in Istanbul, Turkey. The general objective of the workshop was to share experience and apply indicators in a coordinated manner in order to obtain a regional assessment of the Black Sea status. During the workshop, specific tools and indicators for the integrated assessment of the Black Sea environmental status were discussed and tested, namely WFD and MSFD. The second workshop was dedicated to "Methodologies for monitoring and assessment of the ecological status under the Descriptor D1 - Benthic habitats and Sediment integrity, D1 Biodiversity and D2 Non-indigenous species in Black Sea" and held online during 15 - 16 December 2020. Workshop was aimed to train the participants on the methods for assessing the impact on the benthic habitat communities using innovative approaches based on the long-term distribution of benthic communities with focus on underlying science and to apply Benthic Impacts Tool to sample data. The Benthic Impacts Tool (BIT) is a decision support tool and aims to support the user to quantify the impact of bottom trawling fishing activity on benthic habitats.



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## GA T2 - Field work: conducting pilot monitoring studies in selected study areas (coordinated by NIMRD)

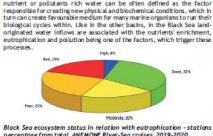
**Aim:** To provide new environmental monitoring data and information needed for the assessment of the Black Sea state of environment, including pressures and impacts, focusing on filling the knowledge gaps identified in the region.

**Key scientific questions:** What is the magnitude of the pressure from rivers and coastal waters beyond what is envisaged in the assessment?

**Objective:** Assessment of the Black Sea ecosystem components (pelagic and benthic) by conducting pilot monitoring studies in selected study areas during 2019 and 2020. The pilot monitoring studies were conducted in the following study areas: Southern Black Sea, Kalkan, Sakarya, the Ikaros and coastal waters - major rivers and ports from Ukraine, Romania, Bulgaria, and Turkey. Additionally, the pilot Scientific Cruise complements the data with the results.

**Activities:** Conducting cruises, sampling of water sediments and biota, in-situ measurements and laboratory analysis, data analysis and use of tools for integrated assessments - morphological (TSS, BOD5), chemical concentration (NH4), ecosystem (PHE) at the regional level.

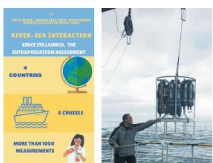
**Main Results:** River discharge was one of the most important factors affecting the marine ecosystem functioning. Land-originated inflow, carrying fresh, nutrient or polluted (to water) can be often spotted on the factor responsible for creating new physical and biobiochemical conditions, which is crucial for the modification of marine water properties like the Black Sea coastal waters. Same is the other results. In the Black Sea anthropogenic water inflows are associated with the nutrient enrichment, eutrophication and pollution being one of the factors, which trigger these processes.



**Target groups:** Scientists and local officials. This is why making the most difficult task is to decide what to keep and remove, to send the right message to the pack members. For instance, this is the case of a cruise organized by 4 countries. To get those slices we measured in-situ riverwater transparency and water temperature, salinity, dissolved oxygen, and chlorophyll a, up to 1000 meters depth. Information was analyzed, checked and taken against reference values, and got a satisfactory result with an average of 100% river water transparency, 100% dissolved oxygen.

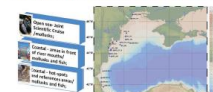
**Finally, the message is in 646 cases we need to ACT to reduce the Black Sea anthropogenic impact.**

The action is more cost-effective and involve much more resources including sub-problems, the awareness.



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## GA T3 - Seaford safety in Black Sea region (coordinated by NIMRD)



**Aim:** To provide the latest survey of existing data or detailed information of accident, cooperation, and disaster risks. This is the knowledge used and given more information for the Black Sea region.

**Objective:** The objective of this project is to provide the latest survey of existing data or detailed information of accident, cooperation, and disaster risks. This is the knowledge used and given more information for the Black Sea region.

**Activities:** Conducting a survey of existing data or detailed information of accident, cooperation, and disaster risks. This is the knowledge used and given more information for the Black Sea region.

**Main Results:** The objective of this project is to provide the latest survey of existing data or detailed information of accident, cooperation, and disaster risks. This is the knowledge used and given more information for the Black Sea region.



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## GA T4 - Enhance stakeholders' participation and public awareness on environmental issues (coordinated by Mare Nostrum)



**Aim:** To provide the latest survey of existing data or detailed information of accident, cooperation, and disaster risks. This is the knowledge used and given more information for the Black Sea region.

**Objective:** The objective of this project is to provide the latest survey of existing data or detailed information of accident, cooperation, and disaster risks. This is the knowledge used and given more information for the Black Sea region.

**Activities:** Conducting a survey of existing data or detailed information of accident, cooperation, and disaster risks. This is the knowledge used and given more information for the Black Sea region.

**Main Results:** The objective of this project is to provide the latest survey of existing data or detailed information of accident, cooperation, and disaster risks. This is the knowledge used and given more information for the Black Sea region.



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## GA-C.3. Public events, 09.2018-11.2020

Deliverable Number	Deliverable Title	Deliverable Description	Deliverable Target value	Deliverable Delivery Date
DC3.1	Public outreach	<p>Public outreach will include continuous visibility actions throughout the project implementation by constantly issuing press/mass media briefs in all partner countries.</p> <p>The mass media promotional campaigns include organizing press conferences in relation to project meetings (3), press releases (12), TV interviews &amp; radio interviews on the outcomes of the project (6) etc.</p>	21.00	<p>03.2021 IN PROGRESS</p> <p>Target value reached!</p>
DC3.2	Assessment of ANEMONE dissemination and lessons-learned	<p>The dissemination and lessons-learned overview will assess the overall visibility of the project. The aim of these activities is to promote articles regarding the project and its importance in popular media publications and newspapers that have a strong impact among the wider socio-economic audience starting from the policy-makers and eventually reaching out to the general public at large.</p>	1.00	<p>03.2021 IN PROGRESS</p> <p>To be completed at the end of the project</p>



## GA-C.3.1 Public outreach

- There are **15 press releases** uploaded on the Anemone homepage
- **9 links** with mass-media articles

<https://tudav.org/bizden/basin-bultenleri/>  
<https://tudav.org/en/from-us/press-releases/>  
<http://www.rmri.ro/Home/News.html?lang=en>  
<http://io-bas.bg/2018/10/30/>  
<https://ongmarenostrum.wordpress.com/2018/11/07/ong-mare-nostrum-a-participat-la-kick-off-meeting-anemone-proiect-european/>  
<https://www.ziuaconstanta.ro/stiri/social/coordonat-de-institutul-national-grigore-antipa-proiectul-anemone-o-colaborare-pentru-protejarea-marii-negre-674440.html>  
<https://constanteanul.com/2018/un-nou-proiect-european-la-debut-colaborare-pentru-protejarea-marii-negre/>  
<http://www.sea.gov.ua/index.php/2018/10/30/anemone/>

### Imagini îngrijorătoare cu cantitatea uriasă de deșeuri din Marea Neagră. Avertismentul dat de CE

Data publicării: Marti 04 Iunie 2019, 18:44

La începutul sezonului estival pe litoral, reprezentanții Comisiei Europene avertizează că Marea Neagră este plină de deșeuri. Conține a doua cea mai mare cantitate de gunoaipe ajunse în mediul marin din Uniunea Europeană, după partea de vest a Mediteranei.





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## GA-C.4. Promotional material, 09.2018-06.2020

Deliverable Number	Deliverable Title	Deliverable Description	Deliverable Target value	Deliverable Delivery Date
DC4.1	Project leaflet 1	<p>Presentation of the ANEMONE aim, objectives, activities and description of partners.</p> <p>English version created by the Coordinator with contribution of partners to be translated into local languages by Partners.</p>	1 800.00	10.2018 / 06.2020 <b>COMPLETED</b>
DC4.2	Project leaflet 2	<p>Summary of the main activities and follow-ups of stakeholder's meetings.</p> <p>English version created by the Coordinator with the contribution of partners to be translated into local languages by Partners.</p>	1 800.00	12.2019 / 03.2020 <b>COMPLETED</b>
DC4.3	Project poster	<p>Presentation of the ANEMONE aim, objectives, activities and description of partners in a schematic and visually attractive concept.</p> <p>English version created by the Coordinator with the contribution of partners to be translated into local languages by Partners.</p>	120.00	10.2018 / 06.2020 <b>COMPLETED</b>
DC4.4	Project roll-up / banner	<p>Presentation of the ANEMONE objectives, main activities and partners involved. Created by the coordinator with the partners contribution.</p>	6.00	06.2020 <b>COMPLETED</b>





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## GA-C.4. Promotional material - Outcomes Poster &n Roll-Up

**ANEMONE**  
Assessing the vulnerability of the Black Sea marine ecosystem to human pressures

ANEMONE aims to deliver, through collaborative efforts among partners, a common strategy related to the Joint Monitoring of the Black Sea, using the most adequate common agreed assessment criteria and indicators, in order to assess the status of the Black Sea, as a basis for further actions.

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The Project's objectives are:

- Enhanced cross-border contacts within the Black Sea Basin: scientists and stakeholders networking, forums, and establishment of lasting partnerships;
- Enhanced knowledge and skills: the exchange of experience and good practices, innovation, harmonized methodologies, and joint research;
- Concrete and visible outputs: pilot projects, information and communication technologies shared tools, online open-access resources.

**PARTNERS**



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# ANEMONE

Assessing the vulnerability of the Black Sea marine ecosystem to human pressures

Programme priority: 2. Promote coordination of environmental protection and joint reduction of marine litter in the Black Sea Basin  
Programme priority specific objective: 2.1. Improve joint environmental monitoring  
Project duration: 28 months (26.07.2018 - 25.11.2020)



CROSS BORDER COOPERATION

Joint Operational Programme Black Sea Basin 2014-2020  
National Institute for Marine Research and Development "Grigore Antipa" (NIMRD), Constanța, Romania  
October 2018  
Joint Operational Programme Black Sea Basin 2014-2020 is co-financed by the European Union through the European Neighbourhood Instrument and by the participating countries: Armenia, Bulgaria, Georgia, Greece, Republic of Moldova, Romania, Turkey and Ukraine.  
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**PARTNERS**



CROSS BORDER COOPERATION



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# GA-C.4. Promotional material - Outcomes Leaflet 1



The Project Main Results:  
Specific project results will contribute to an increased level of availability of environmental data and information, being related to:

- ✓ improved understanding of the knowledge gap and further needs;
- ✓ common agreed methodologies for monitoring, new tools and indicators for integrative assessment of the ecological status, based on Harmonized Black Sea Monitoring and Assessment Guidance (DSMAG);
- ✓ quality controlled and comparable data sets for the Black Sea environmental status assessment, collected in the framework of specific pilot monitoring studies in selected study areas: coastal and open sea; updated list of Black Sea Hot Spots following testing of the methodology for identification and prioritization of Hot Spots;
- ✓ guideline tool on the adaptive criteria for monitoring of the maritime activities impact will be developed;
- ✓ report on the state of Black Sea environment /Thematic assessments;
- ✓ collected new data on chemical contamination of aquatic organisms and potential risks, thus filling knowledge gaps identified for Black Sea region;
- ✓ the results of the case studies on beach litter and dolphins will represent the ground of the educational and awareness raising campaigns materials focusing on data collected from the field, analyzed and transposed for public acknowledgment.



Joint Operational Programme Black Sea Basin 2014-2020  
National Institute for Marine Research and Development "Grigore Antipa"  
(NIMRD), Constanta, Romania  
October 2018  
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## ANEMONE

Assessing the vulnerability of the Black Sea marine ecosystem to human pressures

[www.anemoneproject.eu](http://www.anemoneproject.eu)



ANEMONE aims to deliver, through collaborative efforts among partners, a common strategy related to the Joint Monitoring of the Black Sea, using the most adequate common agreed assessment criteria and indicators, in order to assess the status of the Black Sea, as a basis for further actions.  
An improved long-term cross-border collaboration and research capacity in addressing trans-boundary pollution, eutrophication, and biodiversity monitoring, using the most adequate common agreed assessment criteria and indicators, in order to assess the present status of the Black Sea, represent a basis for further actions. The proposed joint monitoring requirements will focus, based on agreed common indicators, on parameters that are indicative of the state of the environment, the prevailing anthropogenic pressures and their impacts, and the progress towards the good environmental status (GES) (ecological objectives and targets).

The Project's objectives are:

- Enhanced cross-border contacts within the Black Sea Basin: scientists and stakeholders networking, forums, and establishment of lasting partnerships;
- Enhanced knowledge and skills: the exchange of experience and good practices, innovation, harmonized methodologies, and joint research;
- Concrete and visible outputs: pilot projects, information and communication technologies shared tools, online open-access resources.



[www.anemoneproject.eu](http://www.anemoneproject.eu)

Partners:



Coordinator - National Institute for Marine Research and Development "Grigore Antipa" (NIMRD) (Romania)



Mare Nostrum Non-Governmental Organization (Romania)



Institute of Oceanology - Bulgarian Academy of Sciences (IO-BAS) (Bulgaria)



Scientific Research Institution "Ukrainian Scientific Centre of Ecology of the Sea"



The Scientific and Technological Research Council of Turkey, Marmara Research Center (TUBITAK-MAM) (Turkey)



Turkish Marine Research Foundation (TUDAV) (Turkey)







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# GA-C.4. Promotional material - Outcomes Leaflet 2

**Partners:**

- Coordinator - National Institute for Marine Research and Development "Grigore Antipa" (NIMRD) (Romania)
- Mare Nostrum Non-Governmental Organization (Romania)
- Institute of Oceanology - Bulgarian Academy of Sciences (IO-BAS) (Bulgaria)
- Scientific Research Institution + Ukrainian Scientific Centre of Ecology of the Seas
- The Scientific and Technological Research Council of Turkey, Marmara Research Center (TUBITAK-MAM) (Turkey)
- Turkish Marine Research Foundation (TUDAV) (Turkey)

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National Institute for Marine Research and Development "Grigore Antipa" (NIMRD), Constanta, Romania  
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**CROSS BORDER COOPERATION**

**ANEMONE MAIN OUTCOMES SO FAR MONITORING: CURRENT SITUATION, NEEDS, REQUIREMENTS FOR IMPROVEMENT AND REVISION**

- o Gap analysis on monitoring data and knowledge: review of available monitoring data and information in Black Sea countries; analysis and identification of common indicators, knowledge gaps and research need at regional level. Results of previous projects were also considered.
- o Workshops on methodologies for monitoring methods and quality assurance, and new tools and indicators for integrative assessment of the ecological status: ANEMONE Workshop, 19-20 June 2019, Istanbul, Turkey: Tools and indicators for the integrative assessment of Black Sea environmental status; evaluated the suitability of NEAT (Nested Environmental Status Assessment Tool) and CHASE (Chemical Status Assessment Tool) tools to be used in environmental assessment of the Black Sea marine environment.

**FIELD WORK: CONDUCTING PILOT MONITORING STUDIES IN SELECTED STUDY AREAS**

- o Romanian national research cruise, May 2019: NIMRD sampled water, sediments and biota from the Danube's influence area.
- o Field activities for marine litter monitoring in the ANEMONE Project (Romania, Danube Delta, August 2019).
- o River litter sampling activities in Turkey: bottom trawling operations were carried out in September 2019 in the two marine areas in front of Sakarya and Yesilirmak Rivers at the Turkish Black Sea coast.
- o ANEMONE Winter Cruise in Turkish Waters, January 2020: water and sediment samples were collected from Sakarya River and Yesilirmak River mouths and the hot spots such as Samsun Port and WWTP.
- o Western Black Sea Cetacean Survey, Black Sea, 7-16 October 2019: covering 600 km in 8 days, the research expedition surveyed cetaceans in the western Black Sea coast of Turkey between Bulgarian border Iğneada to Karadeniz Ereğli.
- o Joint Scientific Cruise (1-8 October 2019)
- o The ANEMONE Black Sea Joint Scientific Cruise was completed during 1-8 October 2019. A team of 17 marine scientists from 4 countries (Bulgaria, Romania, Turkey and Ukraine) on board the research vessel "Mare Nigrum" carried out sampling of water, sediments and marine organisms to assess the health of the Black Sea. The research cruise comprised 3 sampling areas/podgons and 21 stations, selected so as to cover shelf and open sea pelagic habitats and similar benthic habitats of each partner country. An impressive number of water and sediment physical, chemical (including pollutants) and biological samples (~1500), related to 120 parameters were measured during the cruise, of relevance for indicator-based assessment of the Western Black Sea environmental status.

**ENHANCE STAKEHOLDERS' PARTICIPATION AND PUBLIC AWARENESS ON ENVIRONMENTAL ISSUES**

Public engagement workshops & citizen science

- o 4 countries. One common sea... Black Sea. 4 workshops. One common problem... Marine Litter: 4 partners from Romania, Ukraine, Bulgaria and Turkey, organized 4 workshops on the topic of marine litter: 27 March 2019, Constanta, Romania; 9 April 2019, Ukraine, Odessa; 17 April 2019, Varna, Bulgaria; 24 April 2019, Istanbul, Turkey.
- o Workshop on "Stakeholder Involvement in dolphin monitoring activities", 17 October 2019, Constanta, Romania: the objective of the workshop was the development of the national network for the monitoring of cetaceans from the Romanian Black Sea coast.
- o Citizen science in beach litter surveys in partner countries; gathering and validating data from the public: volunteers participated in beach litter monitoring and collection actions in all partner countries.

**ANEMONE MORE RESULTS TO COME!**

- o Black Sea Monitoring and Assessment Guideline (BSMAG): document aimed to facilitate and improve the harmonization process at regional level towards a common understanding of Good Environmental Status.
- o Guidelines on the adaptive criteria for monitoring of the maritime activities Impact: a comprehensive GIS based tool for informed decision-making in the Black Sea region, covering specific areas (substrate, habitat, Natura 2000 etc.).
- o ANEMONE ATLAS - an interactive Atlas for Black Sea Environmental Assessment.  
[http://anemoneproject.eu/wp-content/web\\_gis.php](http://anemoneproject.eu/wp-content/web_gis.php)
- o Report on the State of Black Sea Environment: eutrophication, pollution, pelagic and benthic communities, marine litter, dolphin sighting surveys
- o Hazardous substances assessment in Black Sea biota: new information on chemical contamination of aquatic organisms and potential risks, thus filling knowledge gaps and new information for Black Sea region.

**CROSS BORDER COOPERATION**



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## GA-C.5. Digital activities, 09.2018-11.2020 - UkrSCES

Deliverable Number	Deliverable Title	Deliverable Description	Deliverable Target value	Deliverable Delivery Date
C5.1	ANEMONE webpage	Development of the user-friendly website using CMS WordPress. The website will have modern capabilities that can be expanded with the help of modules of this CMS or developed using various frameworks, such as - integration with social networks (Facebook, Twitter, YouTube etc.), news feeds, the creation of image galleries etc.	1.00	12.2018 <b>COMPLETED</b>
C5.2	ANEMONE interactive database web interface	Development of database with GIS support, database population by the project results and Environmental Quality Assessment and spatial and Temporal GIS presentation of Project results.	1.00	<b>IN PROGRESS</b>
C5.3	Maintenance and regularly update of the project website	Development of the project web-site in operational phase / Maintenance and regularly update of the project web-site	1.00	<b>IN PROGRESS</b>





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## GA-C.5. Digital activities - Homepage

<http://anemoneproject.eu/>



*Assessing the vulnerability of the Black Sea marine ecosystem to human pressures*

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### Black Sea – made of plastic?

January 29, 2021  
anemone\_admin 0

In Black Sea region, marine litter comes mainly from land and sea-based practices, representing the human impact on ecosystems. Most ...

[Read More >](#)



### Citizen Science – importance and benefits

January 15, 2021  
anemone\_admin 0

Citizen Science is a very important aspect and useful resource these days, and the added value brought by citizens for ...

[Read More >](#)



### Second ANEMONE Workshop dedicated to Methodologies for monitoring and assessment of the ecological status

December 21, 2020  
anemone\_admin 0

Second ANEMONE Workshop dedicated to Methodologies for monitoring and assessment of the ecological status under the Descriptors D1.6 – Benthic ...

#### Upcoming events

No event found!

#### Other links



NEAT SOFTWARE

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## GA-C.5. Digital activities - Social Media

<https://www.facebook.com/Anemone.project.bsb319/>

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Project funded by the EUROPEAN UNION

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### GA-C.5. Digital activities - Social Media

<https://www.facebook.com/Anemone.project.bsb319/>

**Anemone**  
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**Add yourself to the Anemone Team**  
Support your Page and build trust with your audience on Anemone by letting them see who's on your team.

**Add Yourself to Team**

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**ANEMONE**  
Scientific Joint Cruise  
1-8 OCTOBER 2019

Liked Following Share ...

**+ Add a Button**

Status of database (for WP2, WP3): **UkrSCES**



## WP-C: 2. Problems encountered/to address and things to do

- The COVID-19 pandemics caused the cancellation of all physical meetings/workshops, and all dissemination activities were online
- **All partners to submit Newsletter 4 to stakeholders**, focusing on the Target Groups still to cover: **infrastructure and (public) service provider** (wastewater/municipal waste managers) & **Enterprises, excluding SME** (marine industry causing pollution in the Black Sea, such as oil and gas industries, shipping companies and fisheries companies/organizations; shipping industry; fishing industry; port administration)
- DC.3.2. Assessment of ANEMONE dissemination and lessons-learned will be finalized - **Please submit the list of ALL the papers you have published under ANEMONE!**






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# Thank you for all your support & contributions!

**Institutul National de Cercetare-Dezvoltare Marina "Grigore Antipa" INCDM**  
Publicat de Departament Diseminare Incdm · 1h ·


For two days 4-5 March 2021 taking place the Final Meeting on Assessing the Vulnerability of the Black Sea Marine ecosystem to Human Pressure - ANEMONE, Project coordinator dr. Laura Boicenco, National Institute for Marine Research and Development "Grigore Antipa" (NIMRD) (Romania), with partners from Romania (Mare Nostrum Non-Governmental Organization), Bulgaria (Institute of Oceanology - Bulgarian Academy of Sciences - IO-BAS), Turkey (Scientific and Technological Research ... [Vezi mai mult](#)

**ANEMONE Project - Final Meeting – 4<sup>th</sup> – 5<sup>th</sup> of March 2021**  
*On-line Meeting, Partners location*






**Commission on the Protection of the B...** [Trimitte mesaj](#) [Îmi place](#) [Căutare](#) [...](#)



**Commission on the Protection of the Black Sea Against Pollution**  
Secretariat Maslak Mahallesi, Buyukdere Caddesi, No:265,...

**The Commission on the Protection of the Black Sea Against Pollution**  
416 persoane apreciază asta, inclusiv 4 dintre prietenii tăi  
449 persoane urmăresc asta  
7 persoane au fost aici  
<http://www.blacksea-commission.org/>  
+90 212 299 29 40  
[Trimitte mesaj](#)  
[secretariat@blacksea-commission.org](mailto:secretariat@blacksea-commission.org)  
Deschis acum  
09:00 - 17:00  
Serviciu public și guvernamental · Organizație guvernamentală

**Sugerează editări**  
Acesta este numărul de telefon corect pentru acest loc?

**ANEMONE Project - Final Meeting – 4<sup>th</sup> – 5<sup>th</sup> of March 2021**  
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