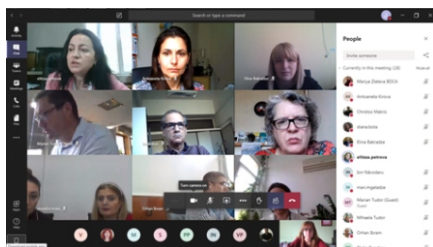


# The first newsletter of the TIMMOD project

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## TIMMOD NEWS

The project “Promoting Technology Innovation in Environmental Monitoring and Modelling for Assessment of Fish and Non-Fish Resources” (TIMMOD), focuses on improving the joint environmental monitoring and modelling by facilitating Technology Innovation, improving the availability and quality of data, the cooperation in sharing of data for water quality, biodiversity statistics, assessment of fish and non-fish living resources of the Black Sea - in line with the EU’s Marine Strategy Framework Directive (MSFD), Data Collection Framework (DCF), Blue Growth Strategy, Black Sea Convention on Environmental Protection, and other EU and regional policies and conventions.



### TIMMOD Kick-off Meeting

The kick-off meeting of the TIMMOD project was conducted online due to the pandemic situation with the coronavirus. The online meeting was hosted by the Lead Partner - Institute of Fish Resources - Varna and was held on 11<sup>th</sup> June 2020 with 23 participants, representing all 6 partner organizations of the TIMMOD project.

The overall goals of the project and the detailed workplan were presented by the project manager Dr. Elitsa Petrova, Director of the Institute of Fish Resources - Varna. The management structure and the gantt chart were also presented. The representatives from DDNI, REC-Moldova, AUTH, BDCA and NEA made a short introduction of their organizations and described their roles in the TIMMOD project. The main activities of the project were discussed, together with a detailed action plan. The main focus was on the ongoing activities, including the inventory of innovative water monitoring technologies for monitoring of chemical, physical and biological parameters and the innovation strategy for joint monitoring. The main outcome from the kick-off meeting was the approval of the action plan for the next project period.

### Specific objectives

- 1) Achieve enhanced capacity of project partner organizations (and other stakeholders), to provide, use, and share, reliable and compatible environmental data for water quality parameters, fish and non-fish living resources;
- 2) Achieve better cooperation, improved environmental data-sharing between Black Sea partners, by creation of a set of ICT shared tools;
- 3) Put on the agenda an Innovation Strategy, designed to bring together (national, regional, EU) regulations and permits, combined with new monitoring and information technology, expanded transparency, and innovative enforcement.



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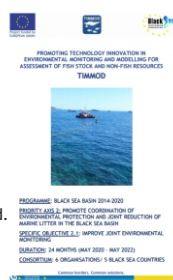
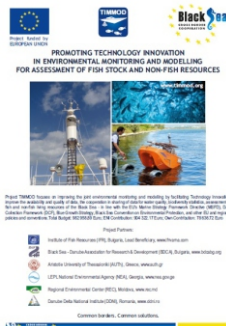
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## TIMMOD Publications

Within the project were produced the TIMMOD-Factsheet, the poster and the 1<sup>st</sup> leaflet which was published by each partner in local languages (Bulgarian, Georgian, Greek and Romanian) and English, 250 copies per partner.

The communication and visibility of the project is ensured on the web pages of the partners, the facebook page of the project -

<https://www.facebook.com/TIMMOD-Project-114059673702692> and the TIMMOD group - <https://www.facebook.com/groups/725509191541670>.



The Project internal and external communication plan was developed and approved.

## TIMMOD 1<sup>st</sup> Dissemination Event

The 1<sup>st</sup> dissemination event of the TIMMOD project took place on 11<sup>th</sup> September in Varna, Bulgaria. The event was organized by the Lead Partner - Institute of Fish Resources - Varna, and had the purpose to present the TIMMOD project in a nutshell in front of different stakeholders. The main goals, activities and expected results of the TIMMOD project were presented to a group of 20 participants from different stakeholder organizations, such as River Basin Directorate, Marine Cluster, Institute of Hydrodynamics, etc. The application of modern technologies for monitoring and evaluation of Black Sea resources was one of the most discussed topics. The next dissemination event of the TIMMOD project is going to take place in Chisinau, Moldova in November.



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## TECHNOLOGY INNOVATION IN ENVIRONMENTAL MONITORING

Another major milestone ahead the TIMMOD project will be to investigate, analyse and promote technology innovation in environmental monitoring. The best way to do this will be (i) to carry out surveys on characteristics of innovative equipment operating in Black Sea and worldwide, (ii) elaborate an inventory of technology innovation and best practices for environmental monitoring of fish stock and non-fish resources, (iii) elaborate an inventory of existing facilities and future options to distribute them along the Black Sea region. The results will be included in a so-called "Innovation Strategy" for further adoption and implementation of innovative environmental monitoring methodologies and tools.

## WEB TOOL

Sharing the results with the wider public and creating the right awareness is another main objective of the project. In order to make numerical modeling predictions available to the public and authorities, TIMMOD shall deliver an automated Operational Forecast Platform (OFP) built to provide continuous and reliable integrated simulations of water quality and circulation for forecasting purposes. Public access to the monitoring/modeling data will be possible via the project web page, incorporating ICT tools such as the OFP and web-based open GIS platform.



Image source- Copernicus marine service (Marine Data To Meet The Blue Society Challenges)



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## The main activities for the next project period:

1. Preparation of Technical Report on “Inventory on Technology Innovations in marine environmental monitoring and assessment of fish stock and non-fishing resources”. Technical report will include:

- Review and analysis on advanced innovative environmental monitoring technologies;
- Review and analysis on best practices;
- Future and Emerging Technologies;
- A prospective view to next decades.



2. Start of activities within the Group of Activities 2: Assessment and Recommendation on Advanced Hydro-Environmental Numerical Tools for Data Handling, Real-Time Control and Forecasting of Marine Conditions in the Black Sea.

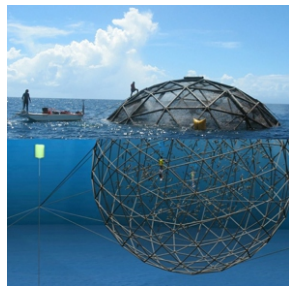
3. Preparation activities: Development of Pilot Test Demonstration program. Selection and Delivery of sensors and equipment, software.

4. Study on trans-boundary coordination mechanisms, available organizational and human resources in the area, and their relevance to the planned technological upgrade. Identifying priority issues, set in accordance to the MSFD and DCF.

5. Development of a draft Innovation Strategy toward technological upgrade of environmental monitoring and modeling, improving data sharing and cross-border information exchange systems.

6. Updating Stakeholders database.

7. Organization of 1<sup>st</sup> Thematic Trans-boundary Meeting.



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Joint Operational Programme Black Sea Basin 2014-2020

Regional Environmental Centre Moldova

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