

EEA FM 2009-2014  
PROGRAMME 02 «INTEGRATED MARINE AND  
INLAND WATER MANAGEMENT»



*Athens, June 22 – 24 , 2016*

Total amount of the EEA grant for 2009-2014 period – 78,6 M Euro

Two programmes of the EEA FM for Priority sector Environmental protection and Management:

- BG 02 “Integrated Marine and Inland Water Management”
- BG 03 “Biodiversity and Ecosystem Services”
- Programme operator: Bulgarian Ministry of Environment and Water
- Donor programme partner– Norwegian Environment Agency (NEA)

- Main objective of Programme BG02: Achieving good environmental status of the European marine and inland water
- Funding: EUR 9 411 765, 85% EEA Grants
- Outcomes:
  - More integrated management of marine and inland water resources
  - Improved monitoring of marine waters
  - Increased capacity for assessing and predicting environmental status in marine and inland waters

- Calls:
  - Three open calls – one per outcome
  - Allocation: EUR 2 800 000 for Outcomes 1 and 2, EUR 1 400 000 for Outcome 3
- In total, 12 project contracts signed in 2015
  - 11 projects selected in the three open calls
  - 1 predefined project for Updating the Geo-Information System for Water Management and Reporting
- Norwegian partners in four of the projects
- In 2015 all projects were requested for extension.
- In 2016 all extension requests were granted and addenda to the Project contracts signed.

## OUTCOME 1: More integrated management of marine and inland water resources

### Projects contributing to the 2<sup>nd</sup> River Basin Management Plans (RBMP) 2016-2021:

*“Performance of investigative monitoring program for assessment of pressure and impact of fish farming activities on surface water bodies and actualization of program of measures in the RBMP of East Aegean River Basin District (**FISHFARMING**)”.*

**Main goal:** to improve the methodologies for assessment of the ecological status and the capacity of water bodies for freshwater fishfarming and to propose measures for effective management in fish farms to reduce pollution of surface water bodies.



## OUTCOME 1: More integrated management of marine and inland water resources

*“Assessment of the Combined effects of Hydropower on the ecosystems and the ecological status of Rivers (ANCHOR)”*

**Main project task:** to analyse the combined effects of hydropower on the ecosystems and the ecological status of rivers and to develop methodology and criteria for classification of river sections as eligibility for the construction of HPP



## OUTCOME 1: More integrated management of marine and inland water resources

*“Investigative monitoring for the assessment of pressures and impacts from the mining metal ores, processing metal ores and uranium mining and proposals of measures for the East Aegean River Basin District management plan (**EARBDMINING**)”.*

**Targeted to** assess the pressure and impact of mining and to propose appropriate measures to reduce the direct and indirect impact on water protected areas and biodiversity.



*Acid mine waters*

## OUTCOME 1: More integrated management of marine and inland water resources

*“Study of transboundary groundwater bodies between Bulgaria and Greece (BG-GR GWB)”*. **Main project tasks:**

Criteria to identify transboundary ground water bodies (GWB) and their connections to surface water bodies and terrestrial ecosystems

Quantitative and qualitative assessment of transboundary GWB between Bulgaria and Greece

Proposal of monitoring programs, improved and adapted to the requirements of the WFD and 2006/118/EC Groundwater Directive, facilitation the elaboration of joint Bulgarian-Greece monitoring programs.



## OUTCOME 1: More integrated management of marine and inland water resources

### Projects contributing to integrated coastal zone management and adaptation to climate change:

Project “*Integrated informational system in support of coastal zone management (IISCCZM)*”.

**Main project deliverables:** Information system for integrated management of the coastal zone will collect and disseminate data from various static and dynamic systems and will display real-time processes in the sea areas. An oil spill monitoring and movement prediction module will be part of the integrated system.

By development and establishment of an early warning flood risk information system and real time monitoring of the water levels the project “*Integrated management of flood risk in Burgas municipality (IMFR)*” will elaborate the needed flood management tool in an extremely vulnerable to flash floods region and contributes to the policy for flood risks management.

Two projects were contracted to improve the monitoring in the Black sea. The projects are implemented in a partnership between the Institute of Oceanology and the Black Sea Basin Directorate – both responsible for the marine monitoring of the Black Sea.

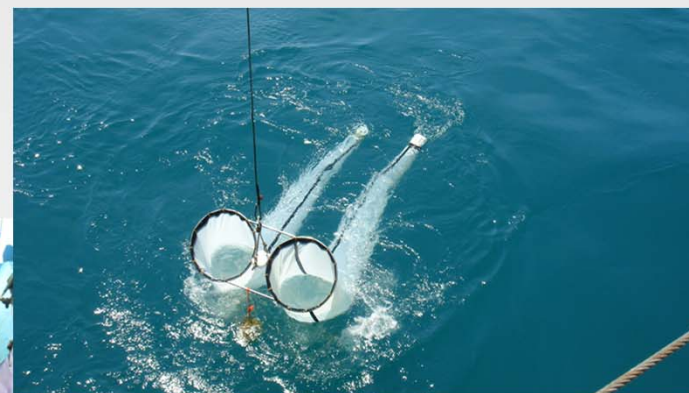
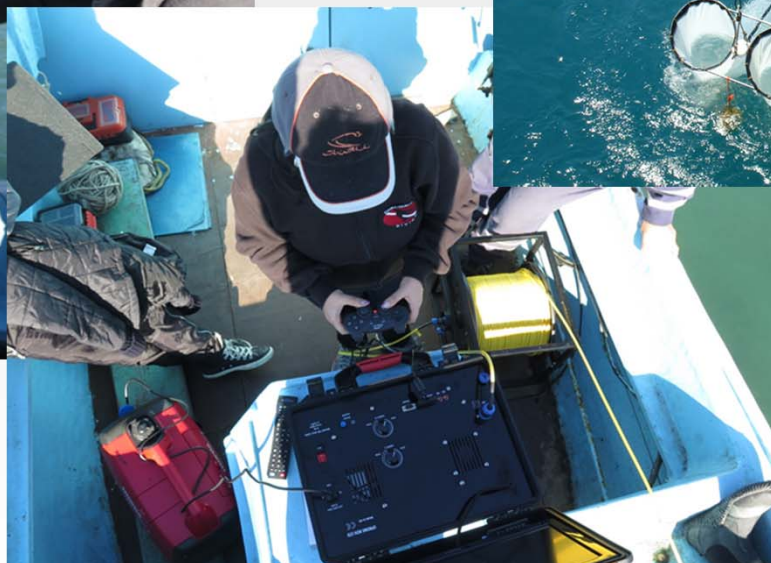
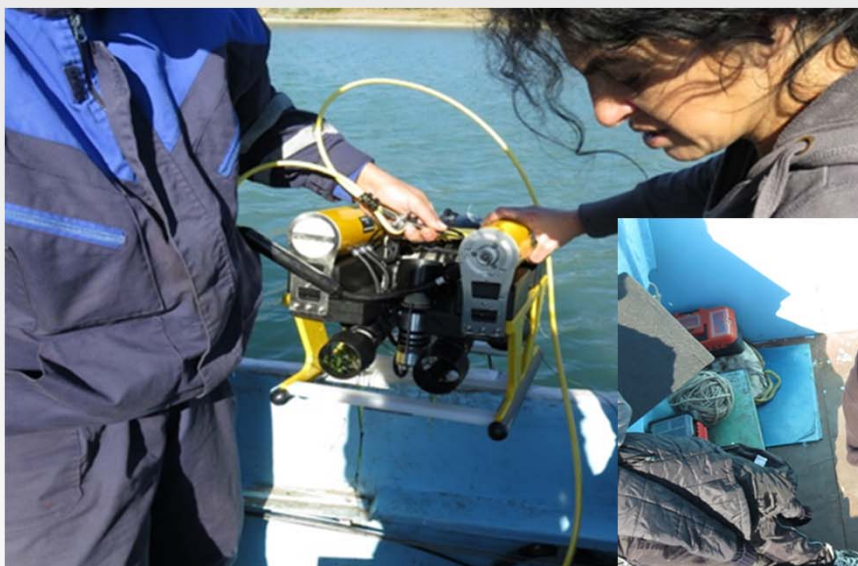
Project “*Improved Marine Waters Monitoring (IMAMO)*”

**Main project deliverables:** Oceanographic real time monitoring devices (surface and subsurface buoys) are located in the bays of Burgas and Varna; 12 monitoring campaigns for sampling of priority substances and specific pollutants in water, sediments and biota conducted, chemical analyses carried out.



## Project overview / / OUTCOME 2: Improved monitoring of marine waters

Project “*Investigations on the State of the Marine Environment and Improving Monitoring Programs developed under the MSFD (ISMEIMP)*” collects and analyses data on the descriptors under MSFD to fill in the existing information gap. Based on the analysed information an assessment of the marine water status will be performed and programs of measures to improve and maintain GES will be developed.



## OUTCOME 3: Increased capacity for assessing and predicting environmental status in marine and inland waters

*“Marine litter, eutrophication and noise assessment tools (**MARLEN**)”* **Main goal:** to create tools for assessment of the marine environment based on new technologies and best practices and to address 3 main areas of interest:

- marine litter detection,
- surface water eutrophication monitoring
- underwater noise monitoring



Project *“Increased capacity of the Laboratory of Food Chemistry and Environment at the Medical University - Varna and its development into highly specialized laboratory for marine, freshwater resources and aquaculture investigations”* is investigating various marine and freshwater organisms as bioindicators for chemical pollution of the Black Sea, Danube River and other freshwater basins.

*“Enhancing the capacity for research and management of the marine non-fishery resources in the Black Sea (**ECRAMON-Black Sea**)”* . **Main goal:** to research distribution, biological characteristics and stock assessment of non-fish marine resources and to produce management measures.

- Main project level challenges
  - Public procurement
  - Lack of experience of some project promoters and partners
- Solutions
  - ex-ante control, expert consultations with specialized Public procurement Directorate of the Ministry, on-the-spot-checks
  - Direct communication with the beneficiaries (the PO's personnel not only manages the Programme but closely monitors the projects implementation on a daily basis)
- Main programme level challenges
  - Expenditure verification
- Solutions
  - External expertise, mechanism for conditional payments at the stage of the technical verification

## Experience and best practices (2)

### Cooperation with the Donor Programme Partner

PO enjoys a long-lasting cooperation and partnership with the Norwegian Environment Agency (NEA), both at professional and personal level

The DPP is closely involved in all major achievements and issues through:

- Regular e-mail exchange
- Cooperation Committee Meetings
- Participation in the project selection and project modifications
- Participation in project events



### Benefits

- Mediation and networking with Norwegian institutions
- Finding partners for implementation of bilateral activities
- Support to PO and to projects with Norwegian partners

Upcoming events in support of communication with the public, stakeholders, project promoters and partners, DPPs, other POs:

- Open air exhibition at the pedestrian area in front of the National Theatre in Sofia with photographs from the projects
- A “three in one” event – project promotion, bilateral/complementary activities and PO networking to be held in early October in Sofia

*Thank you for your attention*

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