



Programme funded by
EUROPEAN UNION



BSB963

PROTECT STREAMS4SEA

Project title: **Protecting streams for a clean Black Sea by reducing sediment and litter pollution with joint innovative monitoring and control tools and nature-based practices**

Programme Priority: 2.1 Improve joint environmental monitoring

Common borders. Common solutions.

ABOUT THE PROJECT

Duration

24 months

Start date

20 July 2020

Total value

€ 907 135.00

ENI contribution

€ 834 543.41



OVERVIEW

The project focuses on a **joint environmental monitoring** of nonpoint source pollutants and litter that end up in the Black Sea by using innovative methods (fingerprinting) to correlate landscape position with the pollutants in the stream water and bed.

PARTNERSHIP



Lead Beneficiary

- International Hellenic University Special Account for Research Funds (Greece)

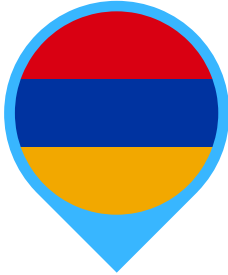
Partner budget
€ 280 075.00



Beneficiary 2

- Buzau-Ialomita Water Administration (Romania)

Partner budget
€ 139 304.00



Beneficiary 3

- "Young Foresters Union" Non-Governmental Organization (Armenia)

Partner budget
€ 140 000.00



Beneficiary 4

- Eco-TIRAS International Association of River Keepers (Republic of Moldova)

Partner budget
€ 139 890.00



Beneficiary 5

- Artvin Coruh University (Turkey)

Partner budget
€ 207 866.00

Contact person
Paschalis Koutalakis
Phone
+306 946 420 519

E-mail
koutalakis_p@yahoo.gr
Project website:
<http://websites3.teiemt.gr/p4sea/index.php>

EXPECTED RESULTS

- 2 **Calibrated hydrologic models** implemented in **5 pilot areas**;
- 2 **Indices based satellite and drone images**: Normalized Difference Vegetation Index (NDVI) and Normalized Difference Water Index (NDWI), to map the most vulnerable areas on soil erosion and consequently on source of pollutants by using free satellite images;
- 5 **Fingerprinting Methods** based on the soil sample collected from soil surface, stream banks, stream beds and stream water samples;
- A **Multi-Criteria Decision Analysis** to identify the most vulnerable locations on erosion and littering;
- 5 **Innovative tools to mitigate litter stream pollution** develop and installed in the pilot areas to mitigate litter and pollution.



CONTACT DETAILS

Managing Authority: Ministry of Development, Public Works and Administration

*16 Libertatii Blvd, Bucharest 050706,
sector 5, Romania*

Phone: +40 372 111 323

Fax: +40 372 111 456

E-mail: blacksea-cbc@mdrap.ro

Joint Technical Secretariat: South-East Regional Development Agency

*48 Tomis Blvd, Constanta 900742,
Romania*

Phone: +40 341 452 836

Fax: +40 341 452 841

E-mail: office@bsb.adrse.ro



Joint Operational Programme Black Sea Basin 2014-2020
Joint Technical Secretariat
of Joint Operational Programme Black Sea Basin 2014-2020
November 2021

Joint Operational Programme Black Sea Basin 2014-2020 is co-financed by the European Union through the European Neighbourhood Instrument and the participating countries: Armenia, Bulgaria, Georgia, Greece, Republic of Moldova, Romania, Turkey and Ukraine.

This publication was produced with the financial assistance of the European Union. Its contents are the sole responsibility of Joint Technical Secretariat of Joint Operational Programme Black Sea Basin 2014-2020 and do not necessarily reflect the views of the European Union.

Common borders. Common solutions.

www.blacksea-cbc.net