

PARTNERS

Vinča Institute of Nuclear Sciences –VINCA
The Climate and Environmental Research Institute – NILU
The Spanish National Research Council – CSIC
University of Nova Gorica – UNG
Mining and Methalurgy Institute – IRMB
Public Health Institute of Belgrade PHIB
Deakin University - DEAKIN



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Research Reinforcing in the **Western BalkanS** in **Offline** and **Online**
Monitoring and Source Identification of Atmospheric **P**articles

1 July 2022 - 30 June 2025



European Commission

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OVERALL AIMS

Strengthen longstanding research collaboration between partners to: further research on particulate matter; develop observational capacities; generate new data in a geographic area where there are significant research gaps; contribute to understanding sources of PM by performing source apportionment using novel types of inputs, including oxidative potential, online and offline PM characterization.

SPECIFIC OBJECTIVES

- ❖ Enhancing the R&I capacity of the participating institutions through short term missions, workshops and training, and stakeholder contacts
- ❖ Raising staff research profile by joint publishing, organizing and participation in international conferences
- ❖ Raising the institutions' research profile, by demonstrating new skills and entering new collaboration constellations, including joint development of collaborative research proposals
- ❖ Development and implementation of new, interdisciplinary research tools for air quality assessment
- ❖ Becoming a viable candidate for a National Facility within ACTRIS

TRAINING

Sharing data and practicing data science tools, in part through short courses:

- ❖ Scientific training in sampling, measurements and data management
- ❖ Participation in interlaboratory comparisons
- ❖ Scientific trainings in source apportionment, assessment of oxidative potential of particles and on black carbon for source assessment
- ❖ Trainings in project development, proposal writing, scientific project management
- ❖ Trainings in project administration skills, open science, open data and ethics

WORKSHOPS

International conference organization, WeBIOPATR series, 9th and 10th conference, WeBIOPATR2023 and WeBIOPATR2025, „International Workshop and Conference, Particulate Matter: Research and Management,“

WeBaSOOP HIGHLIGHTS

WeBaSOOP aims to increase competencies, skills and scientific recognition of the partners, and of VINCA, IRMB and PHIB in particular by adding value to novel research in air quality monitoring and assessment and source apportionment modelling through a set of activities:

- ❖ leading to joint publications,
- ❖ joint submission of proposals for future funding,
- ❖ exchange of researchers and/or students for short-term visits, organization of and participation in workshops and international conferences

The project will work to provide actionable health relevant knowledge on ambient particulate matter. WeBaSOOP aims to reduce or close knowledge gaps on the following aspects:

- ❖ Adoption of on-line and off-line monitoring of particle size distribution and of black carbon in an urban area (Belgrade) and in a hot spot urban-industrial area (Bor) of the Western Balkan
- ❖ Adoption of monitoring and measurement methods for comprehensive chemical characterization of PM
- ❖ Adoption of methods for assessment of OP of PM
- ❖ Generation of comprehensive data on PM in an area that is not covered in current European infrastructures.

WeBaSOOP STRUCTURE

