

Report on the outcomes of a Virtual Mobility¹

Action number: CA21119

Grantee name: Toanca Florica

Virtual Mobility Details

Title: Evaluating User Needs for Aerosol Measurement Precision and Resolution Through WG3 Workshops

Start and end date: 15/06/2025 to 15/07/2025

Description of the work carried out during the VM

Description of the virtual collaboration and activities carried out during the VM, with focus on the work carried out by the grantee. Any deviations from the initial working plan shall also be described in this section. (*max. 500 words*)

During the Virtual Mobility (VM) period, the grantee took part in the 2nd HARMONIA Workshop (June 2025), which convened researchers from various fields such as climate science, aerosol forecasting, renewable energy, and air quality management. The grantee's main responsibility was to attend all workshop sessions virtually, document key discussions with the aim of preparing the official meeting minutes.

The grantee collaborated with WG3 members to collect background information needed to contextualize the workshop contributions. Notes from the workshop were reviewed, and the grantee extracted information pertaining the requirements expressed by different user communities.

Following the workshop, the grantee prepared **Deliverable D3.1_1b – Minutes of the 2nd Workshop**, ensuring that all relevant sessions, user interactions, and technical questions were accurately captured.

Drawing on insights from both D3.1_1a (Minutes of the 1st Workshop) and D3.1_1b (Minutes of the 2nd Workshop), the grantee developed **Deliverable D3.2 – Report on Aerosol Measurement Requirements for Different User Communities**. This work was informed by a comprehensive review of presentations and discussions from two summer schools—Berlin (2024) and Izaña (2025)—as well as the main WG3 workshops held in Athens (2023) and Limassol (2025). The report involved the analysis and identification of sector-specific needs and the structured integration of all relevant information into a coherent narrative. Throughout the process, the grantee maintained communication with WG3 participants, who provided valuable input to enhance the report's clarity and relevance. Coordination was conducted via email, enabling continuous progress and the effective incorporation of feedback. No

¹ This report is submitted by the grantee to the Action MC for approval and for claiming payment of the awarded grant. The Grant Awarding Coordinator coordinates the evaluation of this report on behalf of the Action MC and instructs the GH for payment of the Grant.

deviations occurred from the original working plan. All assigned tasks were completed within the planned timeline.

Description of the VM main achievements and planned follow-up activities

Description and assessment of whether the VM achieved its planned goals and expected outcomes, including specific contribution to Action objective and deliverables, or publications resulting from the VM. Agreed plans for future follow-up collaborations shall also be described in this section. *(max. 500 words)*

The Virtual Mobility Grant (VMG) successfully fulfilled its objectives. Both core deliverables—D3.1_1b (Minutes of the 2nd Workshop) and D3.2 (Report on Aerosol Measurement User Requirements)—were completed (draft version) and disseminated to the Stavros Solomos, Sophie Vandenbussche, and Anca Nemuc.

The VMG made an important contribution to Objective 3 (O3) of the HARMONIA project by effectively translating scientific expertise into actionable insights tailored for end-users. This effort helped bridge the gap between advanced atmospheric measurement research and its practical application in fields such as environmental monitoring and forecasting. Notably, the D3.2 report consolidates stakeholder feedback into structured, actionable recommendations, directly supporting the goals of Working Group 3 (WG3) to enhance the usability of aerosol optical properties.

A key achievement of the VMG was its role in fostering cross-sectoral dialogue through virtual participation. The grantee, based in an ITC country (Romania), gained hands-on experience in research communication and user-centered analysis, thus contributing to the Action's broader capacity-building objectives.

The collaboration with workshop participants ensured both scientific robustness and effective dissemination of results. The iterative feedback and review process significantly improved the quality of the deliverables and will continue to support the development of future outputs under the Action.