

Report on the outcomes of a Virtual Mobility¹

Action number: **CA23113 – CliMent**

Grantee name: **Ozlem Koseoglu Ornek**

Virtual Mobility Details

Title: Coordinating Data Extraction and Narrative Analysis of the Scoping review of Coping strategies for managing negative eco-emotions in the general population

Start and end date: 01/09/2025 to 15/10/2025

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.

During the Virtual Mobility (VM), my primary focus was on coordinating and advancing the **Data Extraction Phase** of the scoping review “*Coping Strategies for Managing Negative Eco-Emotions in the General Population.*”

To prepare for this phase, I developed an initial draft of the structured data extraction tables (Supplementary Form 1), which were presented and discussed during the **CliMent WG2 meeting in Malta** on 11 September 2025. Together with participants, we refined the tables to include all relevant variables, such as population characteristics, eco-emotions, coping strategies, methodologies, and outcomes. The group also discussed strategies for managing a large-scale data extraction process, emphasizing consistency, reliable task distribution and the process management. Additionally, active participation and support were provided in Working Groups 1 and 3.

Following the meeting, I documented the key methodological decisions and shared a revised protocol draft with participants via email. After integrating their feedback, the final protocol and updated data extraction table were distributed to all WG2 members (Supplementary Form 2).

The data extraction tables were subsequently shared via **Google Docs** to collect further input from the entire WG2 group. Researchers’ structural and procedural suggestions were carefully reviewed, and the form was refined in collaboration with the WG2 leaders into a publication-

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.

ready version. During later discussions, the coordinators decided to develop an additional and more detailed **Excel-based data extraction table** to improve data management (Supplementary Form 3).

A **pilot data extraction** was then conducted with Dr. Karine Mayilyan to identify potential challenges and missing components before sharing the tables with the larger group. To ensure consistent understanding among contributors, I also prepared a **Data Extraction Process Guide**, providing step-by-step instructions for applying the extraction framework (Supplementary Form 4). This guide was shared with all WG2 members and integrated into the **Rayyan** platform, along with explanatory notes for each section (Supplementary Form 5).

To facilitate workflow monitoring, an additional **Google Sheet** was created to track progress during the Data Analysis phase. Through online coordination, I compiled a list of volunteer researchers, organized them into paired extraction teams with Dr. Karine Mayilyan, and assigned studies based on workload capacity (Supplementary Form 6). At this stage, two **German-language articles** previously excluded during the full-text screening due to language barriers were also reviewed.

Building on this preparatory work, two researchers who had been actively involved in the Scoping Review screening process conducted extractions for two different articles using the new Excel form. Their feedback was discussed via email and Zoom meetings, resulting in further refinements. All these tasks were discussed, clarified, organized, planned, and implemented through emails and Zoom workshops, ensuring effective dissemination (Supplementary Form 7).

Despite this progress, several **challenges** affected the planned workflow. Technical difficulties with the **Rayyan software**, including slow conflict resolution among reviewers and problems integrating the extraction table, caused significant delays. Additionally, the language diversity of included studies required identifying suitable reviewers for non-English texts, which extended the timeline.

Furthermore, there were **management-level adjustments** in the project plan. It was decided to create **an additional and more detailed Excel table** as mentioned above to improve data management and the effective presentation of findings, which took a reasonable time to discuss in the group. The research team also prioritized completing and registering the **Scoping Review Protocol** and uploading it to the **Open Science Framework (OSF)** before continuing with the Data Extraction and Analysis Phases.

These challenges **temporarily limited the full completion of the Data Extraction Phase** and the **planned Data Analysis & Synthesis phase could not be initiated** during this one-and-a-half-month period, but the foundational work accomplished during the VM established a solid methodological basis for the subsequent stages of analysis and synthesis.

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)

During the Virtual Mobility activities, the primary focus was on coordinating and advancing the **Data Extraction Phase** of the scoping review. These activities were designed to standardize data extraction, ensure methodological consistency across all WG2 members, and establish a solid foundation for the subsequent **Data Analysis & Synthesis Phase**. The following achievements highlight the progress made toward these planned goals and demonstrate how the outputs of these activities directly support the project's objectives.

Achieved Objectives and Key Outcomes

- Developed an initial **structured data extraction table**, capturing population characteristics, eco-emotions, coping strategies, methodologies, and outcomes.
- Critically discussed and refined the table during the **CliMent WG2 face-to-face meeting**, ensuring methodological alignment and collaborative input.
- Documented key methodological decisions and shared a **draft protocol** with WG2 members for feedback.
- Integrated feedback and finalized the **protocol and data extraction table**, achieving standardized procedures across the team.
- Created a **Google Sheet** to monitor progress and organize paired extraction teams for workload distribution.
- Developed an **Excel-based data extraction table** to facilitate data management.
- Conducted a **pilot data extraction** to identify potential challenges and gaps before broader implementation.
- Prepared a **Data Extraction Process Guide** and integrated it into the **Rayyan platform**, with explanatory notes for each component, supporting consistent understanding among all contributors.
- Completed **screening of two German-language articles**, previously excluded due to language barriers, ensuring comprehensive literature coverage.
- Standardized procedures and provided training to WG2 members, strengthening methodological rigor and research capacity.
- Established a **solid foundation for the subsequent Data Analysis & Synthesis Phase**, supporting the progression toward planned project outputs and future publications.
- Beyond my primary role in Working Group 2, the Grant **also enabled my ongoing participation in Working Groups 1 and 3, contributing** to planned the title and abstract screening, data extraction, analysis, and interpretation.
- This working plan contributed to achieving the project's objectives by **enhancing my skills in intercultural academic collaboration, problem-solving, and teamwork** through virtual meetings and methodological discussions.

Planned Follow-Up Activities

- Complete the remaining **data extraction tasks** for all included studies.
- Maintain **regular online coordination** and meetings to facilitate communication, monitor progress, and address emerging challenges.
- Promote ongoing **collaboration among WG2 members** and capacity building for methodological consistency.

- Initiate the **Data Analysis & Synthesis Phase** using the finalized extraction tables and standardized procedures.