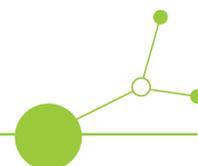
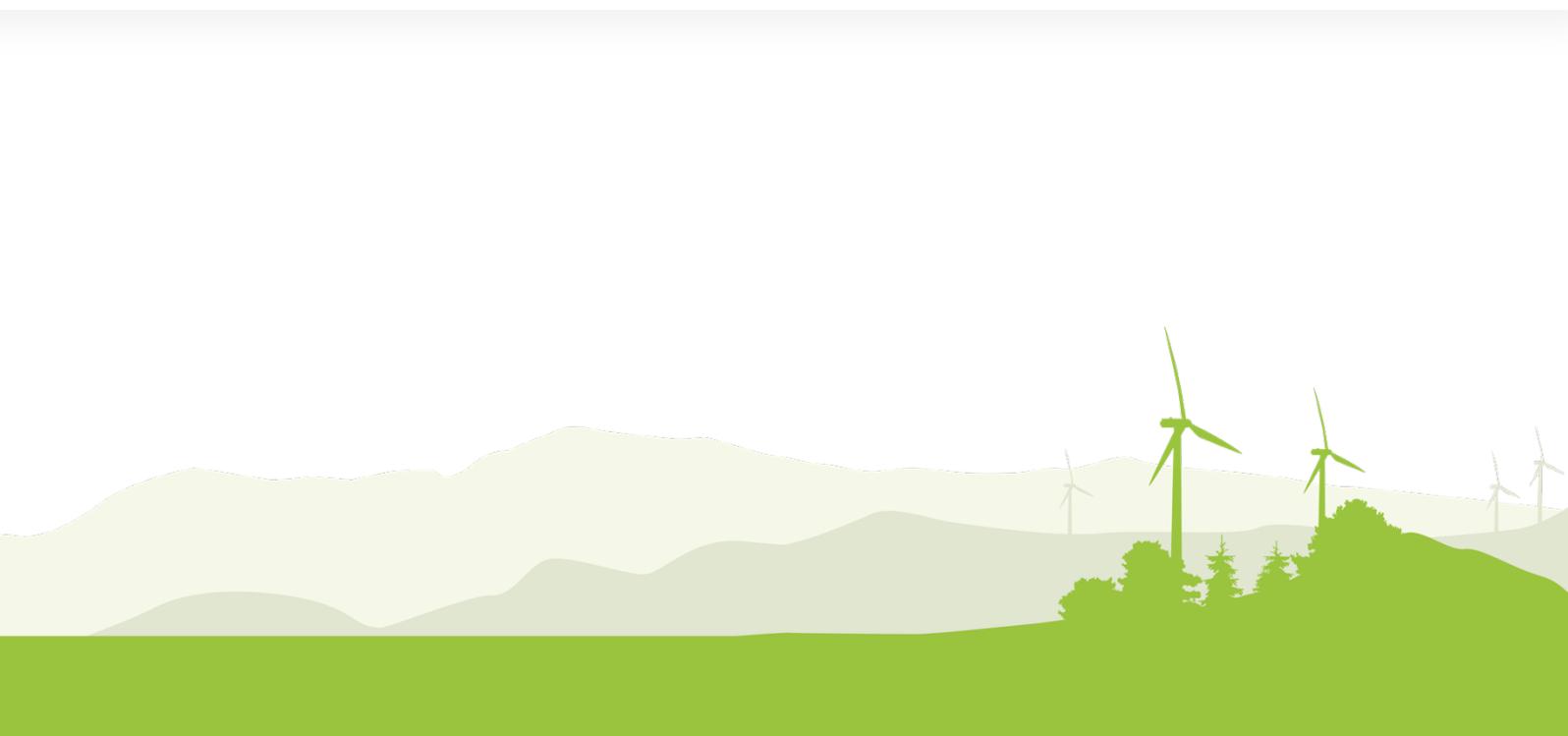


D2.1.1 DEVELOP AND TEST A METHODOLOGY OF A CO- DESIGN WORKSHOP TO CREATE COMMON VISIONS FOR FUTURE URBAN STREAM AND ENVIRONMENT RESTORATION WITH KEY STAKEHOLDERS

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Version 1
06 2025





This document provides an overview of the methodology and an explanation of the files included in D2.1.1. Besides the description of data collection methods provided in this document, the file attachments included in this deliverable contain all material used for running the workshops and for data collection. The method of data analysis is described in a dedicated section in this document, without any additional attachment.

Method of data collection

The ReBioClim co-design workshops are not only a way to engage citizens in the process of urban stream restoration, but also to gather situated knowledge (i.e., to collect data) in a systematic and rigorous way (Figure 1).

Why a co-design workshop?



Figure 1 The main objectives of the co-design workshops

As shown in the workshop methodology diagram in Figure 2, we devised a full-day, detailed, structured and adaptable workshop set-up, in collaboration with the ReBioClim partners. With careful input on the current state (Part A) and the ReBioClim objectives and methodology (Part B), participants, working in groups, are well equipped to co-design urban stream restoration solutions (Part C) and communicate those solutions with the other groups (Part D). The posters collected in Parts B and C, the observation notes taken by a representative of PP9, as well as summaries provided by the group facilitators are used as data in the analysis after the workshops. Moreover, the anonymous workshop evaluation forms filled in by the participants are used to refine the methodology and set-up in subsequent workshops.

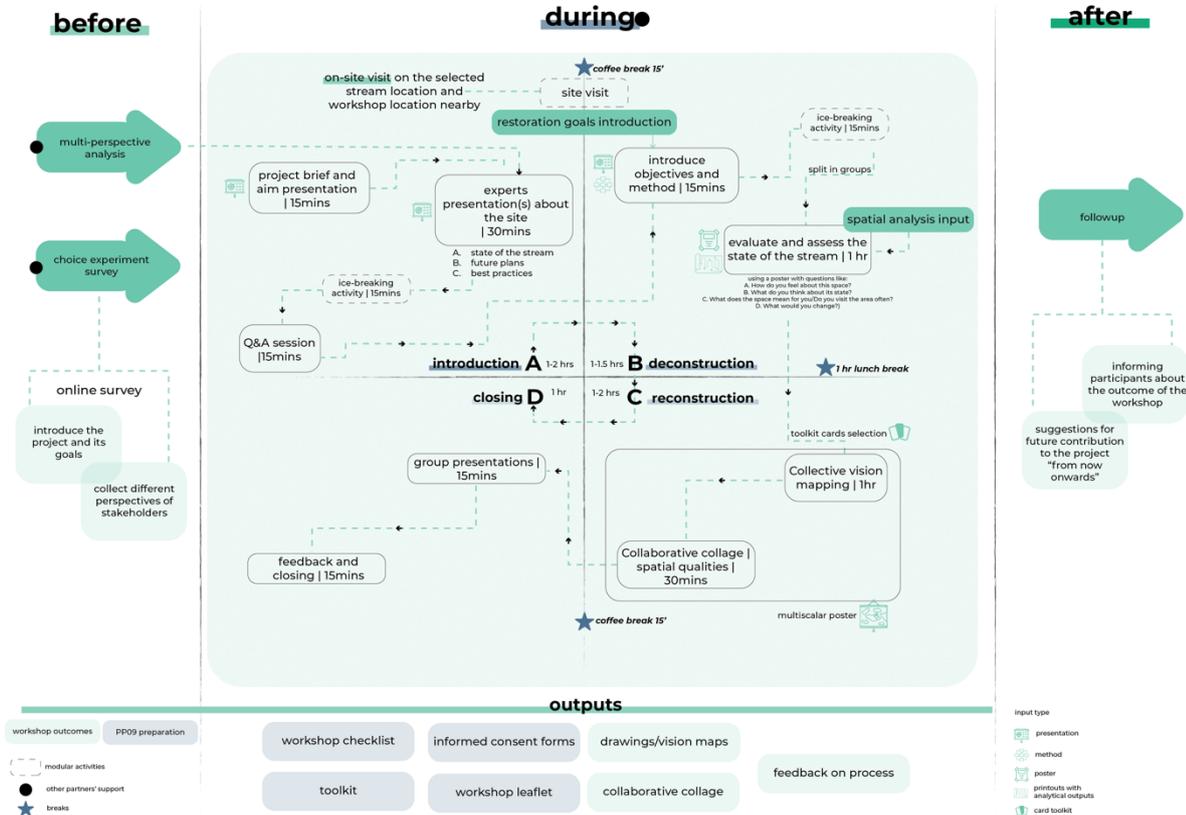


Figure 2 Workshop methodology diagram

Attachments

This section describes the content of the files attached to D2.1.1. The annexes are divided in two folders: "Methodology" and "Translations". For each file, we provide an explanation of their role in the overall co-design workshop methodology, as follows:

Methodology folder

1. **Co-design workshop methodology diagram** (file 1.1) and **outline diagram** (file 1.2) presenting the relation between the previous phases of the project and the steps of the co-design workshop methodology, along with the methods followed by step. The methodology diagram illustrates the four phases of the co-design workshop. Phase A. introduces the pilot site to the participants and informs them about the challenges and conditions of the stream. This phase starts with a site visit around the stream, combined with experts presentations about its state, future plans and best practices of urban stream restoration projects. In phase B, named "Deconstruction", the method of the workshop is presented to the participants by a ReBioClim member, and then the participants split in groups and start working on the Deconstruction poster, which includes the following questions for discussion: "How do you feel about the space?" and "What would you change?". In this step the participants are asked to evaluate and assess the state of the stream. Phase C. Reconstruction focuses on applying the restoration toolkit and collaborate on a poster that includes a plan view of the stream, as well as a larger scale plan of the stream network and space for a collaborative collage about the participants'



vision and wishes for the stream area.

Finally, Phase D. Closing, includes

presentations and discussion in a plenary setting, where all groups share their solutions as well as main challenges and learnings from the process.

File 1.2 summarizes the main goal and objective of each phase of the co-design workshop.

2. **Co-design workshop methodology presentation** prepared by PP09 to be translated by the local partners and then presented during the workshops in the local language. The presentation provides information about the method and outcomes of each step of the workshop. It is an important tool for the facilitators of the workshops and the participants to go through again during the workshop, if needed. This presentation was communicated to the participants during Phase B. Reconstruction of the workshop, before the participants split in groups. It includes descriptions of all the print material used during the workshop.

- 3. **Informed consent form** that each participant needs to fill in and sign accepting the participation in this research study that gathers data on the preferences and desires of stakeholders on the restoration of the stream in question.

4. **Anonymous workshop evaluation form** meant to gather feedback on the methods and set-up of the workshop. These documents will be analysed and the findings of this analysis will be incorporated in D 2.1.2.

5. **The ReBioClim Toolkit (excel file)**, created by PP09 in collaboration with LP1, combines spatial elements and restoration goals under the broader project goals of climate adaptation, quality of life and biodiversity. The toolkit is used in stage C of the workshop in which participants envision the future of the stream in question. The attached excel file includes the English version of the toolkit and it was the base for the co-design workshop toolbox. In each card of the toolbox columns “Measures of cards” and “Description text about the measure on cards” were used as title of the measure, and description text respectively.

6. The **workshop checklist** is a detailed checklist about the workshop preparation, before and during, provided by PP09 to facilitate the process and ensure that all necessary materials and inputs are taken into consideration from the local partners. The workshops are conducted by the local partners with the presence of one of the researchers from PP09 but require preparation from the local partner beforehand. The checklist describes the actions required before the workshop such as the invitation of stakeholders, materials that need to be printed by the local partner, role allocation during the workshop, as well as other material needed for the activities of the workshop.

Translations folder

The translation folder is divided into three subfolders: “CZ”, “SK”, “DE”, and “PL”.

CZ - translation (of the toolkit only) prepared by PP12.

DE - translations prepared by LP01 TU Dresden based on material from PP9. The “co-design workshop methodology_Dresden_DE” includes the above-mentioned presentation (annex 2. in “Methodology” folder) translated in German that was presented to the participants during Phase B. Deconstruction of the workshop. The “Informed consent form_DE” includes the above-mentioned form (annex 3. in “Methodology” folder) translated in German that was filled in by the participants before the beginning of the workshop. “Part B poster_DE” and “Part C poster_DE” include the posters that were printed and collect the results of the discussions and negotiations during the workshop per group. The “ReBioClim toolkit_DE” showcases the front page of the toolbox used by the participant in Phase C. Reconstruction in



German. Lastly, the “workshop evaluation form_DE” includes the abovementioned form (annex 4. in “Methodology” folder) translated in German and filled out by the participants with the completion of Phase C. Reconstruction and before the plenary discussion of Phase E.

SK - translations prepared by PP05 Slovak University of Technology in Bratislava and PP06 Town of Senica based on material from PP9. The “Checklist SK” includes the above-mentioned checklist (annex 6. in “Methodology” folder) translated in Slovak provided by PP09 and translated by PP06 in preparation for the workshop. The “co-design workshop methodology presentation_SK” includes the above-mentioned presentation (annex 2. in “Methodology” folder) translated in Slovak that was presented to the participants during Phase B. Deconstruction of the workshop. The “Informed consent form_SK” includes the above-mentioned form (annex 3. in “Methodology” folder) translated in German that was filled in by the participants before the beginning of the workshop. “Part B poster_SK” and “Part C poster_SK” include the posters that were printed and collect the results of the discussions and negotiations during the workshop per group. The “ReBioClim toolkit_SK” showcases the front page of the toolbox used by the participant in Phase C. Reconstruction in Slovak. Lastly, the “workshop evaluation form_SK” includes the abovementioned form (annex 4. in “Methodology” folder) translated in Slovak and filled out by the participants with the completion of Phase C. Reconstruction and before the plenary discussion of Phase E.

PL - translations prepared by PP08 Poznań University of Life Sciences. The “Checklist PL” includes the above-mentioned checklist (annex 6. in “Methodology” folder) translated in Polish provided by PP09 and translated by PP08 in preparation for the workshop. The “co-design workshop methodology presentation_PL” includes the above-mentioned presentation (annex 2. in “Methodology” folder) translated in Polish that was presented to the participants during Phase B. Deconstruction of the workshop. The “Informed consent form_PL” includes the above-mentioned form (annex 3. in “Methodology” folder) translated in Polish that was filled in by the participants before the beginning of the workshop. “Part B poster_PL” and “Part C poster_PL” include the posters that were printed and collect the results of the discussions and negotiations during the workshop per group. The “ReBioClim toolkit_PL” showcases the front page of the toolbox used by the participant in Phase C. Reconstruction in Polish. Lastly, the “workshop evaluation form_PL” includes the abovementioned form (annex 4. in “Methodology” folder) translated in Polish and filled out by the participants with the completion of Phase C. Reconstruction and before the plenary discussion of Phase E.

Method of analysis

The data collected from the workshops (posters, observation notes and summaries) will be analyzed by PP9 in Period 3 using a Computer-Assisted Qualitative Data Analysis approach in ATLAS.ti following a three-stepped process: open, axial and selective coding to reveal patterns across design solutions provided by the participants within a case-specific workshop and across cases.

The analysis of the workshop data has two objectives:

- **Refine the workshop methodology** based on the observed use of the toolkit and the data from the evaluation forms. This information will be used for the revision of the co-design workshop methodology to be run in the last case (Poznan) in September 2025. The updated methodology will be included with the workshop report in D2.1.2.
- **Extract design principles for urban stream restoration** from the solutions proposed by the groups in the posters and based on observation notes and summaries made by the workshop organizing team, including PP9 and the local partners. The results will be used for the definition of design principles (D3.1.1).