

OUTPUT FACT SHEET

Tools

Version 2

Project index number and acronym	CE1578 CWC
Output number and title	O.T2.1.1 CWC transnational online handbook on circular urban water management and use
Project partner	PP6 E-institute
Project website	https://www.interreg-central.eu/Content.Node/CWC.html
Delivery date	May 2022

Summary description of the key features of the tool (developed and/or implemented) and of its transnational added value

To comprehensively tackle the challenges of circular water management and use in urban areas, a Transnational online handbook on circular urban water management and use", was developed. Online handbook is a decision-support toolkit, containing information about smart planning, governance, engineering, and digital solutions for water saving and water reuse. It consists of four thematic catalogues and was developed in two stages.

In first stage, four project partners, together with the support of stakeholders, prepared the content of the following catalogues:

In the first thematic catalogue "Smart tools for assessing the potential of urban water use", an assessment tools that can help decision-makers in planning future investments in urban circular water measures are presented.

The basic goal of the assessment tools is to establish mechanisms and measures that can be used in the process of planning potential new investments and ensure compliance with the principles of circular water management. It is essential that the tool allows the identification of technical, environmental, economic, and social impacts of the future investment.

The second thematic catalogue "Innovative engineering and nature-based solutions for circular water consumption" contains information on state-of-the-art technology for sustainable rainwater and grey water management. The purpose of the catalogue is to support decision-makers in moving towards a more decentralized approach to water resources management and achieving sustainable development goals.

The third thematic catalogue "Promoting smart water management tools" presents an overview of possible smart approaches to water management in five intervention areas: recycling and reuse of wastewater, increasing water use and distribution efficiency, ensuring good water quality, water retention if possible, on site, promoting water reusability and water sustainability, conserving water bodies.

The fourth thematic catalogue "Novel digital tools promoting water efficiency among citizens/consumers" contains an overview of digital tools and solutions that promote water efficiency and awareness of water saving, rainwater harvesting, wastewater use, waste-free lifestyle.

In the second, final stage of development, after the finalization of project's pilot investments, an Annex of the first thematic catalogue was added, "Lessons learnt and conclusions from the "city water circle" project pilot investments".

NUTS region(s) where the tool has been developed and/or implemented (relevant NUTS level)

NUTSO Countries: Germany - DE, Hungary - HU, Italy - IT, Slovenia - SI, Poland - PL and Croatia - HR.

Expected impact and benefits of the tool for the concerned territories and target groups

Online handbook is a decision-support toolkit for CE municipalities, containing portfolios of decentralized water efficiency and RW & GW reuse solutions, smart planning, management & governance methods supporting circular urban water use and implementation of tools into practice, into 5 PP FUAs. It is built up from the four thematic catalogues and presenting experience of pilot actions.

Key target groups included and addressed are: local public authority, regional public authority, national public authority, sectoral agency, infrastructure and (public) service providers, interest groups including NGOs, higher education and research, international organization, EEIG under national law, general public.

Sustainability of the tool and its transferability to other territories and stakeholders

Sustainability and transferability are ensured via relevant networks of project partners and associated partners to stakeholders beyond CWC. Project partner also prepared national version of On-line handbooks, translated into national languages. Project partners, Poliedra, FBR, EZVD, ISD, GWP CEE (AP) transferred findings to international floor & scientific audiences, with presentations on conferences and articles.

References to relevant deliverables and web-links
If applicable, pictures or images to be provided as annex

Handbook is available here: <https://www.interreg-central.eu/Content.Node/37.html>

Connected deliverables:

- D.T2.1.1 Framework concept for co-creating the 4 thematic CWC Catalogues as collections of various Tools*
- D.T2.1.2 Concept, functional and visual design of the thematic CWC Catalogues*
- D.T2.1.3 Blueprint of the transnational online Handbook comprising of the 4 CWC Catalogues*
- D.T2.1.4 Finalized CWC transnational online Handbook also including the pilot showcases and Conclusions*
- D.T2.1.5 Concepts on adapting the transnational online Handbook to national characteristics and Needs*
- D.T2.1.6 Tailored CWC online handbooks in national languages*
- D.T2.2.1 Content design for Thematic Catalogue 1: smart assessment tools' collection*
- D.T2.2.2 Content design for Thematic Catalogue 2: innovative implementation tools' collection*
- D.T2.2.3 Content design for Thematic Catalogue 3: smart governance tools' collection*
- D.T2.2.4 Content design for Thematic Catalogue 4: water efficiency promoting digital tools' Collection*
- D.T2.3.1 Thematic Catalogue 1 of smart assessment tools for potentials' mapping of urban water reuse systems*
- D.T2.3.2 Thematic Catalogue 2 of innovative engineering & nature-based solutions for circular water usage*
- D.T2.3.3 Thematic Catalogue 3 of smart governance tools fostering circular urban water usage*
- D.T2.3.4 Thematic Catalogue 4 of novel digital tools promoting water efficiency among citizens/ consumers.*