

CEN Workshop “RBE Assessment System: Climate Risk Evaluation at Building and Neighbourhood scale”

Workshop description form

- PART A – Workshop Summary
- PART B – Project Plan

PART A – Workshop SUMMARY

1	WS details	
1.1.	Organization	<input checked="" type="checkbox"/> CEN <input type="checkbox"/> CENELEC <input type="checkbox"/> Joint with <input type="checkbox"/> CEN lead <input type="checkbox"/> CENELEC lead
1.2.	Title	CEN Workshop “RBE Assessment System: Climate Risk Evaluation at Building and Neighbourhood scale”
1.3.	Scope	Definition of principles, structure and requirements of a multicriteria assessment system for the evaluation of climate-related risks at building and neighbourhood scale.
1.4.	Does this WS stem from an EU Research project?	<input checked="" type="checkbox"/> YES Name of the project: SuPerBE (https://www.interreg-central.eu/projects/superbe/) Grant number: CE0200768 End date 30-11-2026 <input type="checkbox"/> NO
1.5.	Financial support	<input checked="" type="checkbox"/> EU Research project (INTERREG) <input type="checkbox"/> EC/EFTA Grant reference: Type here <input type="checkbox"/> Other Specify, if needed: Type here
1.6.	WS Proposer/Proposed Chair WS proposer	Name: Piemonte Region - Health and Welfare Organization: Directorate /Chair: Andrea Moro (iISBE Italia R&D) Postal address: Piazza Piemonte, 1 Email: sanita.pubblica@regione.piemonte.it Phone: + 390114322317 Webpage: regione.piemonte.it Contact person (name and email): Elena Purpura elena.purpura@regione.piemonte.it
1.7.	WS Secretariat	Organization: UNI Ente Italiano di normazione Postal address: Via Sannio 2, Milano, 20137 Email: uni@uni.com Phone: 02700241 Webpage: https://www.uni.com/ WS Secretary name: Fabio Rossi Email: fabio.rossi@uni.com Phone: 0270024468
1.8.	CEN and CENELEC Management Centre (CCMC) contact	Organization: CEN and CENELEC Postal address: Rue de la Science 23B - 1040 Brussels, Belgium Webpage: https://www.cencenelec.eu/Pages/default.aspx CCMC Project Manager name: Claire Van Thielen Email: cwa@cencenelec.eu Phone: +3225500831 +32478793545
1.9.	Tentative date and place of the Kick-off Meeting	Date: 31st March 2026 Place: virtual

1.10.	Does the proposed Workshop fall within the scope of existing CEN and/or CENELEC Technical Bodies?¹	<input checked="" type="checkbox"/>	YES Specify: CEN/TC 465 “Sustainable and Smart Cities and Communities”	<input type="checkbox"/>	NO
1.11.	Are there other Technical Bodies or Joint Advisory and Coordination Groups potentially interested in the Workshop? ²	<input checked="" type="checkbox"/>	YES Specify: CEN/TC 467 “Climate Change”	<input type="checkbox"/>	NO
1.12.	Are the following aspects affected?	Safety matters	YES ³	<input type="checkbox"/>	NO <input checked="" type="checkbox"/>
		Management system aspects	YES ⁴	<input type="checkbox"/>	7 <input checked="" type="checkbox"/>
		Conformity assessment aspects	YES ⁵	<input type="checkbox"/>	NO <input checked="" type="checkbox"/>
		Security matters	YES ⁶	<input type="checkbox"/>	NO <input checked="" type="checkbox"/>
					NO <input type="checkbox"/>
					8
	Add information/explanations if Management System aspects and Conformity Assessment aspects are affected: Type here				
2	WS Deliverables				
2.1.	CWA #1				
2.1.1	Title	<input checked="" type="checkbox"/>	Same as WS title (1.2)	<input type="checkbox"/>	Other: Type here
2.1.2	Scope		The document provides a harmonised methodological framework, aligned with IPCC (Intergovernmental Panel on Climate Change) risk concept, to identify, assess and prioritise climate hazards, exposures and vulnerabilities, supporting evidence-based decision-making for designing and planning climate adapted buildings and neighbourhoods. It specifies assessment process, criteria, indicators, normalisation and aggregation rules, as well as guidance for data collection, contextualisation and interpretation of results.		
2.1.3	Does the proposed CWA conflict with a published EN	<input type="checkbox"/>	YES Specify: Type here	<input checked="" type="checkbox"/>	NO
			In case the answer is ‘yes’, the development of the CWA shall be stopped		

¹ Part A and Part B of this form shall be sent by the WS secretary to the secretary of the Technical Bodies identified in this section to inform them about the creation of the WS and register any possible objection within 30 days (45 during the holiday period).

² Part A and Part B of this form should be sent by the WS secretary to the Bodies identified in this section to inform them about the creation of the WS.

³ Work on the proposed CEN and/or CENELEC Workshop shall not be initiated.

⁴ The CEN and/or CENELEC Workshop proposal shall be submitted to the CEN/CENELEC BT(s) for decision.

⁵ CEN-CENELEC Internal Regulations - Part 3, Clause 33 applies.

⁶ For projects dealing with security matters the security risk analysis provided in Annex I shall be carried out.

⁷ See Note 2 in CEN-CENELEC Guide 29, Clause 3.

⁸ See Note 2 in CEN-CENELEC Guide 29, Clause 3.

PART B – Project Plan

Abstract

This Workshop is initiated to address the growing need for a harmonised, transparent, and operational framework for assessing climate-related risks in the built environment. While climate risk assessment methodologies are increasingly required to support adaptation planning and design, existing approaches remain fragmented, context-specific or insufficiently aligned with standardisation processes. The Workshop will define a novel framework, namely the RBE (Resilient Built Environment) Assessment System, which will provide a shared and harmonised methodological reference for assessing climate risk levels specifically at building and neighbourhood scale.

The CWA will support public authorities, planners, designers, asset managers and other stakeholders in integrating climate risk considerations into urban and building projects, fostering comparability, replicability and informed decision-making across different territorial contexts. The future benefit of the CWA lies in strengthening the uptake of climate-resilient practices and enabling a common language between research, policy and practice.

The Workshop is developed within the framework of the Interreg Central Europe “SuPeRBE” project and is open to a wide range of interested parties. The CWA will not define regulatory thresholds, binding requirements, or detailed technical design solutions, nor will it replace existing standards or legal obligations.

1 Status of the project plan

Draft project plan for public commenting (Version 1.0)

This draft project plan is intended to inform the public of a new Workshop. Any interested party can take part in this Workshop and/or comment on this draft project plan by sending an email to the WS secretary.

All those who have applied for participation or have commented on the project plan by the deadline will be invited to the kick-off meeting of the Workshop on 31st of March 2026.

2 Workshop proposer and potential Workshop participants

2.1 Workshop proposer

Piemonte Region

Piemonte Region has legislative, regulatory and programming tasks in various policy fields. In particular, the Regional Health Directorate (RHD) is responsible for the coordination of the regional healthcare system and proposal of innovative model of care.

Within the framework of the Regional Prevention Plan, Piemonte Region manages and coordinates the actions envisaged by the "Environment, Climate and Health" programme also through a health advocacy role in the policies of other "health in all policies" sectors such as environment, transport, construction, urban planning, agriculture, education. This role makes it possible to intercept and combine public health and environmental

protection objectives, promoting the strengthening of skills and awareness of all community actors on the sustainability goals of the 2030 Agenda for Sustainable Development.

Andrea Moro, Chair, Principal scientist, iiSBE Italia R&D srl – I.S.

Andrea Moro is a senior researcher with over twenty years of experience in sustainable and climate-resilient built environment assessment. He participated in over than 25 European research projects, contributing to the development of harmonised sustainability assessment frameworks at building, neighbourhood and urban scale. His interest in the Workshop stems from the need to translate research-based climate risk methodologies into shared, operational and standardised tools supporting public authorities and practitioners in climate adaptation decision-making. Andrea Moro is the scientific coordinator of the SuPerBE project.

Licia Felicioni, Vice-Chair, PhD, Researcher, Czech Technical University in Prague, University Centre for Energy Efficient Buildings.

Licia Felicioni is a researcher at the Czech Technical University in Prague, with expertise in sustainability assessment, urban resilience and climate adaptation at building and neighbourhood scale. Her work focuses on the development and application of integrated assessment frameworks supporting evidence-based decision-making in the built environment. She has contributed to several European research projects and collaborates actively with academic institutions.

2.2 Potential participants

This CWA will be developed in a Workshop (temporary body) that is open to any interested party. The participation of the following persons/organizations would be helpful and is desired. It is recommended that:

- Public authorities
- Sectorial agencies
- Academic and research institutions
- Universities and research centres
- Climate risk, sustainability and resilience experts
- Standardization bodies and organizations involved in standards application
- Professional associations (architects, engineers, planners)
- Non-governmental organizations (NGOs) active in climate action and sustainability
- Research and innovation networks at European and international level

take part in the development of this CWA.

3 Workshop objectives

3.1 Workshop background

Motivation and need for standardization.

Climate-related risks increasingly affect the performance, safety and value of buildings and neighbourhoods. Public authorities, asset owners and practitioners therefore need assessment methods that are transparent, comparable and usable in decision-making, design and planning processes.

While sustainability assessment tools at building and neighbourhood scale are well established (e.g., DGNB, BREEAM, LEED, UNI/PdR 13), dedicated and harmonised climate-risk assessment tools remain limited and are not widely available. Most existing sustainability assessment systems are not designed to determine climate risk levels for buildings and small urban areas, as they typically address vulnerability aspects only. In line with the IPCC risk concept, vulnerability criteria alone are insufficient unless they are systematically combined with hazard and exposure information. Without integrating these three components (hazard, exposure and vulnerability) an assessment tool cannot provide a robust evaluation of climate risks.

At the same time, climate risk assessment methodologies have long been defined and applied at territorial and regional scale, but operational and standardised tools are still missing at neighbourhood and building scale, where adaptation options must be precisely located, prioritised and implemented. This gap is particularly evident in the deployment of local adaptation planning instruments such as SECAPs (Sustainable Energy and Climate Adaptation Plans), which require actionable and comparable evidence to translate strategic objectives into concrete measures on the ground.

The Workshop is therefore initiated to develop the RBE Assessment System, a harmonised framework for consistent climate risk evaluation at building and neighbourhood scale. The CWA will define core concepts, assessment steps, scoring and aggregation logic, and reporting principles to ensure transparency and comparability of results across contexts. It is intended to improve interoperability between research, policy and market practices, facilitate replicability and uptake, and provide a common language for stakeholders involved in planning, investment and climate adaptation prioritisation.

Market environment

The market offers a range of climate services, hazard mapping solutions, vulnerability indices, and consultancy-led risk studies supporting adaptation planning and investment decisions. However, these solutions are often developed for specific clients, territories or asset classes, rely on proprietary assumptions and scoring logics, and produce results that are difficult to compare across providers and geographical contexts. In many cases, tools focus on single components of risk (e.g., hazards or vulnerability) rather than applying an integrated risk concept, and they do not provide a transparent and replicable methodological backbone suitable for broad adoption.

The envisaged CWA addresses this gap by providing a publicly available, consensus-based and standardised reference method for climate risk evaluation at building and neighbourhood scale. It will offer a coherent core structure, covering concepts, assessment steps, data requirements, scoring and aggregation rules, and reporting principles that can be implemented by different actors (public administrations, practitioners, service providers and researchers) and contextualised locally while preserving methodological consistency and comparability of outputs. This will support greater market clarity, interoperability and trust, enabling the consistent translation of climate risk information into prioritised and actionable adaptation measures.

European project origin and funding.

The Workshop stems from the INTERREG Central Europe project SuPerBE (Grant Agreement CE0200768, end date 30-11-2026) and is financed within this framework.

Legal environment

The Workshop responds to EU policy and legislative drivers that accelerate climate adaptation and resilience in the built environment, including the European Climate Law establishing the EU framework for climate neutrality. It also aligns with the EU direction on adaptation set out in the EU Strategy on Adaptation to Climate Change. In addition, building-related requirements and renovation policies under the Energy Performance of Buildings Directive (recast) further increase the demand for robust evidence bases to prioritise actions at building and district scale.

Existing standards and liaison needs

The Workshop will take into account relevant existing standards on climate adaptation and risk assessment, in particular EN ISO 14091:2021 “Adaptation to climate change — Guidelines on vulnerability, impacts and risk assessment”, which provides guidance for assessing risks related to the potential impacts of climate change and supports adaptation planning for present and future risks. The CWA will complement this cross-sectoral standard by specifying an operational, built-environment–focused assessment system at building and neighbourhood scale, including a structured set of assessment dimensions, scoring and aggregation logic, and reporting principles, while remaining consistent with the overall risk assessment concepts. Liaison with CEN/TC 465 “Sustainable and Smart Cities and Communities” will be ensured to avoid duplication and maximise coherence with ongoing and future standardization activities.

4 Workshop programme

4.1 General

The kick-off meeting is planned to take place on 2026-03-31 as virtual meeting.

A total of 4 Workshop meetings (kick-off meeting and Workshop meetings) will be held, during which the content of the CWA(s) will be presented, discussed and approved.

The working language (language of meetings, minutes, etc.) of the WS will be English. The CWA will be written in English.

4.2 Workshop schedule

Table 1: Workshop schedule (preliminary)



CEN/CENELEC Workshop	M01 (Jan 2025)	M02 (Feb 2026)	M03	M04 (April 2026)	M05	M06	M07	M08	M09	M10 (oct 2026)	M11 (nov 2026)
Initiation											
1. Workshop description form submission and TC response											
2. Open commenting period on draft project plan (mandatory)											
Operation											
3. Kick-off meeting											
4. CWA(s) development											
6. CWA(s) finalized and approved by Workshop participants											
Publication											
7. CWA(s) publication											
Dissemination (see 6)											
Milestones				K		V		V		V	



Legend

- K** Kick-off
- M** Workshop meeting
- V** Virtual Workshop meeting
- A** Adoption of CWA
- P** Publication of CWA
- D** Online distribution of CWA

5 Work already delivered by the Workshop

The Workshop will build on the following available knowledge.

Project Deliverables

Interreg Central Europe SuPeRBE, D.1.2.1 RBE-CE Assessment System

Interreg Central Europe SuPeRBE, D.2.3.1 Local versions of the SuPeRBE Platform

Papers Open Access

RBE-CE: A Cross-Scale Assessment System for Climate Adaptation in Central European Built Environment, Andrea Moro et al 2025 IOP Conf. Ser.: Earth Environ. Sci. 1546 012063

Localization of Adaptation Measures in Urban and Building Scales Using the RBE Method: A Novel Approach to Resilient Urban and Building Design, Andrea Moro 2025 IOP Conf. Ser.: Earth Environ. Sci. 1546 012002

Mainstreaming climate adaptation in urban planning: a case study, A Moro and E Bazzan 2025 IOP Conf. Ser.: Earth Environ. Sci. 1554 012150

Climate Resilient Mediterranean Cities: the ReMED Framework, Andrea Moro et al 2025 IOP Conf. Ser.: Earth Environ. Sci. 1546 012001

6 Resource planning

The Workshop will be financed within the framework of the INTERREG Research Project “SuPeRBE” under Grant Agreement n. CE0200768.

7 Workshop structure and rules of cooperation

7.1 Participation in the Workshop

The Workshop will be constituted during the kick-off meeting. By approving this project plan, the interested parties declare their willingness to participate in the Workshop and will be formally named as Workshop participants, with the associated rights and duties. Participants at the kick-off meeting who do not approve the project plan are not given the status of a Workshop participant and are thus excluded from further decisions made during the kick-off meeting and from any other decisions regarding the Workshop.

As a rule, the request to participate in the Workshop is closed once it is constituted. The current Workshop participants shall decide whether any additional members will be accepted or not.

Any new participant in the Workshop at a later date is decided on by the participants making up the Workshop at that time. It is particularly important to consider these aspects:

- a. expansion would be conducive to shortening the duration of the Workshop or to avoiding or averting an impending delay in the planned duration of the Workshop;
- b. the expansion would not result in the Workshop taking longer to complete;
- c. the new Workshop participant would not address any new or complementary issues beyond the scope defined and approved in the project plan;

- d. the new Workshop participant would bring complementary expertise into the Workshop in order to incorporate the latest scientific findings and state-of-the-art knowledge;
- e. the new Workshop participant would actively participate in the drafting of the manuscript by submitting concrete, not abstract, proposals and contributions;
- f. the new Workshop participant would ensure wider application of the CWA.

All Workshop participants who approved the publication of the CWA or its draft will be named as authors in the European Foreword, including the organizations which they represent. All Workshop participants who did not approve the publication of the CWA will not be named in the European Foreword.

7.2 Workshop responsibilities

The Workshop Chair is responsible for content management and consensus building. The Workshop Chair is supported by the Workshop Vice-Chair (if any) and the responsible Workshop secretariat, whereby the Workshop secretariat will always remain neutral regarding the content of the CWA(s). Furthermore, the Workshop secretariat shall ensure that CEN-CENELEC's rules of procedure, rules of presentation, and the principles governing the publication of CWA(s) have been observed. Should a Workshop Chair no longer be able to carry out her/his duties, the Workshop secretariat shall initiate the election of a new Workshop Chair. The list below covers the main tasks of the Workshop Chair. It is not intended to be exhaustive.

- Content related contact point for the Workshop
- Presides at Workshop meetings
- Ensures that the development of the CWA respects the principles and content of the adopted project plan
- Manages the consensus building process, assesses when the Workshop participants have reached agreement on the final CWA, on the basis of the comments received
- Ensures due information exchange with the Workshop secretariat
- Represents the Workshop and its results to exterior

The Workshop secretariat, provided by a CEN and/or CENELEC Member, is responsible for organizing and leading the kick-off meeting, in consultation with the Workshop proposer. Further Workshop meetings and/or web conferences shall be organized by the Workshop secretariat in consultation with the Workshop Chair. The list below covers the main tasks of the Workshop secretariat. It is not intended to be exhaustive.

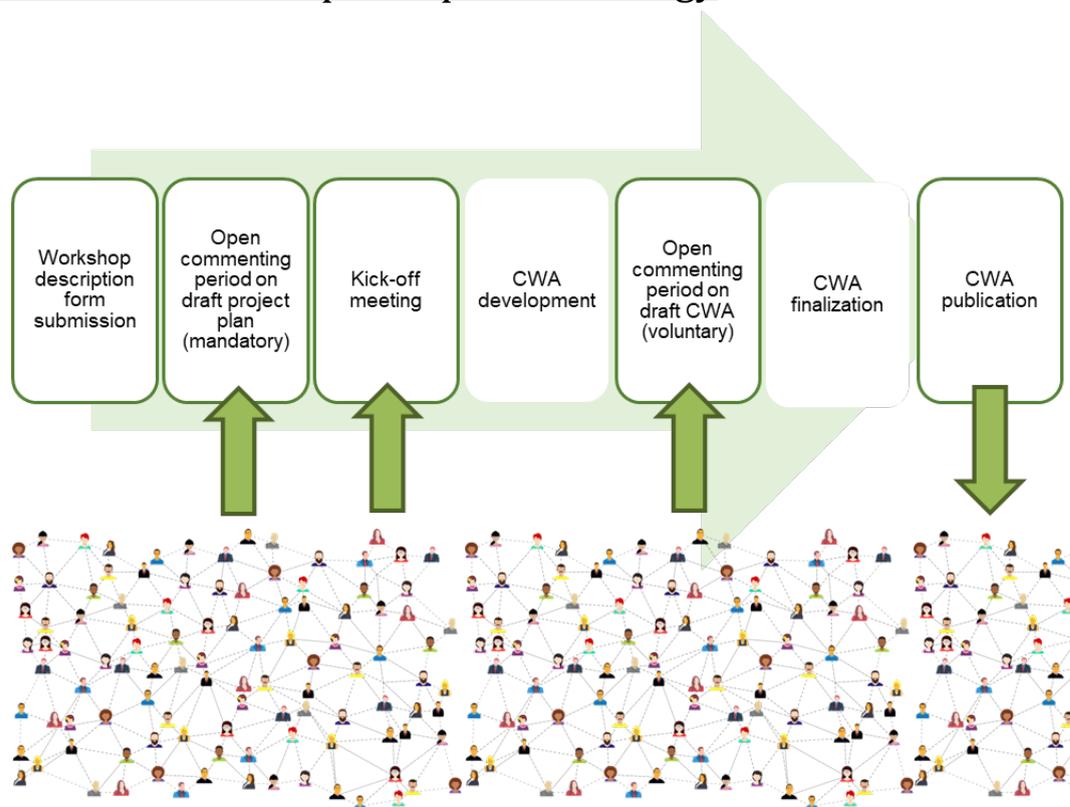
- Administrative and organizational contact point for the Workshop
- Ensures that the development of the CWA respects the principles and content of the adopted project plan and of the requirements of the CEN-CENELEC Guide 29
- Formally registers Workshop participants and maintains record of participating organizations and individuals
- Offers infrastructure and manages documents and their distribution through an electronic platform
- Prepares agenda and distributes information on meetings and meeting minutes as well as follow-up actions of the Workshop
- Initiates and manages CWA approval process upon decision by the Workshop Chair
- Interfaces with CEN-CENELEC Management Centre (CCMC) and Workshop Chair regarding strategic directions, problems arising, and external relationships
- Advises on CEN-CENELEC rules and brings any major problems encountered (if any) in the development of the CWA to the attention of CEN-CENELEC Management Centre (CCMC)
- Administrates the connection with relevant CEN or CENELEC/TCS

7.3 Decision making process

The CEN and/or CENELEC Workshop Chair is responsible for ensuring that the development of the CWA follows the principles and content of the project plan described in this document and the requirements of CEN-CENELEC Guide 29. The CEN and/or CENELEC Workshop Chair may take decisions on the conduct of the CEN and/or CENELEC Workshop on the basis of the comments expressed by the participants and of CEN-CENELEC Guide 29.

Decisions shall be taken based on consensus of the WS participants.

8 Dissemination and participation strategy



Potential participants identified in section 2.2 and potential interested stakeholders identified in Part A should be informed of the open commenting phase, if any, and of the publication of the CWA.

In addition to the CCMC website, the final CWA might be advertised on:

- sector specific newsletter
- social media, such as
 - LinkedIn
- Research Gate
- EC Newsroom