



**Co-funded by
the European Union**

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Education and Culture Executive Agency (EACEA). Neither the European Union nor EACEA can be held responsible for them.



Sustainable Accessible Future Environments

T 2.6

Publish the toolkit



SAFE

SUSTAINABLE, ACCESSIBLE FUTURE ENVIRONMENTS

The course is a collaboration between five European Universities

UNIVERSITY OF LJUBLJANA (UL)
LAUREA-AMMATTIKORKEAKOULU OY (LAUREA)
FACHHOCHSCHULE KIEL (Kiel UAS)
UNIVERSIDAD DE GRANADA (UGR) and
WYŻSZA SZKOŁA GOSPODARKI Z SIEDZIBĄ W BYDGOSZCZ UCZELNIA NIEPAŃSTWOWA (WSG)

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Education and Culture Executive Agency (EACEA). Neither the European Union nor EACEA can be held responsible for them.

T2.6 Publish the toolkit

Digital toolkit

The SAFE Digital Toolkit is a collection of practical, field-tested tools designed to support work in planning safer, more accessible, and inclusive urban environments. It provides a set of concrete tools that can be used by planners, students, service providers, municipalities, businesses, and community organisations. Each tool promotes evidence-based decision-making and helps users better understand and respond to the diverse needs of people in urban space. Together, the tools address key aspects of safety, mobility, accessibility, communication, and urban design. They are intentionally created as simple, adaptable materials that can be applied independently or integrated into wider research, teaching, or development activities.

Each tool included is also presented on the **project website** (<https://eusafe.fa.uni-lj.si/>) under the button **Digital toolkit**. Every tool is presented in a clear, user friendly format and has a description how it is designed and how to use it. This ensures that the visitors who may be encountering these topics for the first time can easily understand the purpose, structure, and application of each tool.



Figure 1

Screenshot of the buttons for the study module on the webpage. The marked button indicates the digital toolkit.

The tools included in Digital Toolkit are:

1. Behavioral Mapping Tool

This tool supports the systematic observation of the urban space. It enables users to document spatial patterns, identify areas where safety risks occur, and recognise behavioural or environmental barriers faced by vulnerable groups. The tool is particularly useful for fieldwork and situational analysis, because it provides a structured approach to record actual use of urban space. By revealing how people actually experience urban space, it forms a valuable basis for improving accessibility, safety, and spatial qualities.

2. Travel Safety Tool

The tool helps individuals and professionals prepare for safe, independent, and predictable movement through the urban space. It offers practical guidance on recognising risks, planning safe routes, understanding the built environment, and responding to challenging situations. The tool can be used as a checklist or planning aid, allowing users to consider different types of hazards, communication needs, physical barriers, and personal safety strategies. It is relevant for users with varying levels of mobility or cognitive ability, as well as for organisations that provide support during travel.

3. Evacuation Planning Tool

This tool provides a structured framework for creating evacuation plans for individuals or specific groups. It includes steps for identifying hazards, evaluating a person's abilities and support needs, selecting appropriate routes, and preparing communication strategies. The tool also outlines behavioural patterns during emergencies and offers clear principles for decision making in evacuation scenarios. It is well suited for institutions, service providers, and community organisations that develop personalised safety procedures or need to improve emergency preparedness in public or semi public environments.

4. Accessibility Tool Package for Businesses

The accessibility tool package supports businesses in assessing and improving the accessibility, usability, and safety of their services and physical environments. It contains practical checklists, evaluation forms, and guidance materials covering mobility barriers, communication aspects, customer experience, and spatial quality. The tool encourages businesses to adopt a more inclusive approach to service provision and helps them identify concrete improvements based on user needs. It is particularly relevant for SMEs, hospitality services, retail spaces, and other customer oriented environments aiming to create more welcoming and barrier free spaces.

5. Training Materials for Businesses and Target Groups

The training materials provide guidance on accessible communication, inclusive customer interaction, and the development of clear information for diverse users. The tool helps staff and organisations recognise the needs of vulnerable users and adapt their communication practices accordingly. The materials can be used as standalone training content or as part of workshops, seminars, or internal education processes. It contributes to a broader understanding of inclusive communication and supports organisations in raising their overall accessibility standards.

6. Urban Design Applications

This component of the toolkit presents a selection of digital applications that support urban analysis, spatial planning, modelling, data collection, and community engagement. The list includes tools for mapping, 3D modelling, collaborative street design, mobility analysis, and location-based information management. These applications help users visualise ideas, analyse spatial conditions, prepare scenarios, and present proposals. Although some tools require subscriptions or licences, the selection reflects widely used and effective software options that support various stages of urban design and learning.

7. Interviewing Users of Urban Services

This tool provides a structured interview guide for gathering first hand informations from people who use selected urban areas and services. It helps identify how different users perceive the space, its safety, accessibility, and overall quality. The interview is organised into key sections covering impressions of the area, feelings of safety, accessibility of services and the built environment, and expectations for future development. The tool is useful for understanding everyday user experiences that are not always visible through observation alone. It can be applied with residents, visitors, customers, workers, or other local stakeholders. Its combination of open questions and simple rating scales allows for both descriptive and comparable results, supporting more inclusive and user centred urban planning.

Digital Toolkit

Behavioral Mapping Tool

Travel Safety

Evacuation plan

Accessible businesses

Urban Design applications

Training materials for businesses and target groups

Interviewing Users of Urban Services

Behavioral Mapping Tool

The **Behavioral Mapping Tool** is a practical framework for observing and understanding how people use public spaces. It helps identify movement patterns, accessibility barriers, safety perceptions, and the interaction between people and the built environment. By combining simple fieldwork techniques with visual documentation, it provides valuable insights for improving the quality and inclusiveness of urban spaces.

You can download the full tool as a PDF at the bottom of this page

How the tool is designed

The tool is organised as a step-by-step handbook that includes 12 complementary methods for analysing public space. Each method explores a specific aspect of human behaviour and spatial functionality, such as:

- preliminary research and data collection
- mapping and site analysis
- urban and safety walks
- morphology and traffic connectivity
- open public spaces and programming
- accessibility assessment
- behaviour observation and safety evaluation

Each sub-tool follows a clear structure: **definition**, **usefulness**, **how it works**, **example**, and **layout**. Users can apply the full set of tools or select only those relevant to their specific project or research context.

How to use

- Start by selecting a public space or urban area you want to analyse.
- Use the preliminary research step to gather background information.
- Choose one or more of the 12 methods depending on your goal (e.g. safety, movement patterns, accessibility).
- Follow the instructions and field layouts provided in the handbook during on-site observations.
- Document findings using maps, notes, sketches, or photos.
- Compare results and identify opportunities to improve spatial quality, safety, and inclusiveness.
- Apply findings to support planning decisions, community discussions, or educational activities.

DOWNLOAD

PDF – Behavioral Mapping Tool

Figure 2

Each tool is presented in a clear, user-friendly format, including a description of its design and instructions for use. A download button is also provided at the bottom of each tool's page.



T2.6 Publish the toolkit