

Project acronym: BETTER Life

Title: Bringing Excellence to Transformative Socially Engaged Research in Life Sciences through Integrated Digital Centers

Project number: 101071314

Deliverable 5.1

D5.1 Action Plans for SER in life sciences in Europe (EU-wide and specialised)

Description: The Action Plans provide a structured roadmap to support institutions in becoming socially engaged and in embedding Socially Engaged Research into their core activities.

Lead party for deliverable: EDUCONS

Document type: DEC

Due date of deliverable: 30, 06, 2025

Dissemination level: PU

Authors: Danica Mulić









BETTER Life PARTNERS:

CESKA ZEMEDELSKA UNIVERZITA V PRAZE (CZU)

PIC 999912570, established in KAMYCKA 129 SUCHDOL, PRAHA 165 00, Czechia

MARTIN-LUTHER-UNIVERSITÄT HALLE-WITTENBERG

PIC 999871539, established in UNIVERSITÄTSPLATZ 10, HALLE 06108, Germany

UNIVERSITA DEGLI STUDI DI CAMERINO (UNICAM)

PIC 999845737, established in PIAZZA CAVOUR 19F, CAMERINO 62032, Italy

ACEEU GMBH (ACEEU)

PIC 896865008, established in WILHELM-SCHICKARD-STR 14, 48149, MÜNSTER, Germany

EESTI MAAULIKOOL (EMU)

PIC 999857280, established in KREUTZWALDI 1, TARTU 51014, Estonia

DAUGAVPILS UNIVERSITATE (DU)

PIC 999830702, established in VIENIBAS STREET 13, DAUGAVPILS 5401, Latvia

UNIWERSYTET PRZYRODNICZY W POZNANIU (PULS)

PIC 999880463, established in ULICA WOJSKA POLSKIEGO 28, POZNAN 60 637, Poland

HELIXCONNECT EUROPE SRL (HELIXCONNECT)

PIC 893409868, established in 282A CAMERA 1, BUCOVAT 307352, Romania

UNIVERZITET EDUCONS U SREMSKOJ KAMENICI PRIVATNE USTANOVE (EDUCONS)

PIC 973147263, established in VOJVODE PUTNIKA 87, SREMSKA KAMENICA 21208, Serbia























Deliverable Information			
Title	D5.1 Action Plans for SER in life sciences in Europe (EU-wide and specialised)		
Deliverable number	5.1		
WP number	5		
Lead beneficiary	EDUCONS		
Author(s)	Danica Mulić		
Туре	DEC		
Dissemination Level	PU		
Delivery date	30. 06. 2025		

Project information				
Title	Bringing Excellence to Transformative Socially Engaged Research in Life Sciences through Integrated Digital Centers			
Acronym	BETTER Life			
Project no.	101071314			
Type of Action	HORIZON Coordination and Support Actions			
Website (Project)	www.betterlifehorizon.eu			
Website (DCoE)	www.better-life-digital.eu			

History of Changes						
Version Date Comment Revised by						
Version 0.1	04. 06. 2025	First version	Danica Mulić			
Version 0.2	10. 06. 2025	Second version	Lina Landinez			





Version 0.3	17. 06. 2025	Third version	Danica Mulić
Version 1.0	24. 06. 2025		Danica Mulić, Patrik Toula





Table of Contents

List (of Abbreviations	6
1.	Introduction	7
2.	Overview of Achievements and Institutional Mapping	9
3.	Strategic Actions by Outcome	10
3.1	Promoting Awareness and Understanding of SER	10
3.2	Integrating SER into Institutional Processes	11
3.3	Capacity Building for SER	12
3.4	Fostering Sustainable Collaborations	12
3.5	Establishing Monitoring and Evaluation Mechanisms	13
4.	Actions & implementation	15
5.	Conclusion	18
Anne	ex 1: Template for Specialised Action Plans	20
Anne	ex 2: Implementation Measures	24





List of Abbreviations

Abbreviation	Definition	
ECR	Early Career Researcher	
EU	European Union	
HEI	Higher Education Institution	
NGO	Non-governmental organisation	
SER	Socially Engaged Research	
SME	Small and medium-sized enterprises	





1. Introduction

The BETTER Life Action Plan- SER in Life Sciences, developed within the framework of the BETTER Life project, provides a structured roadmap to support institutions in becoming socially engaged (SE) and in embedding Socially Engaged Research (SER) into their core activities. Grounded in relevant research evidence and shaped by tools and practices piloted across diverse European contexts, the plan offers actionable guidance for fostering a research culture that is responsive to societal needs and values inclusive stakeholder engagement.

Key Challenge

Despite growing emphasis from European strategies and public demand for impactful science, many institutions still lack concrete frameworks, tools, and operational pathways to effectively support Socially Engaged Research.

Main Goal

To provide a practical and replicable institutional framework for the promotion, implementation, and sustainability of SER, using validated tools, training modules, digital platforms, and engagement strategies developed through the BETTER Life project.

Objectives

- 1. Raise awareness and understanding of SER among researchers, university staff, and decision-makers;
- 2. Integrate SER principles into institutional policies, strategies, and daily operations;
- 3. Build capacity of researchers and support staff through structured training and mentorship;
- 4. Foster sustainable collaborations with Quadruple Helix actors (academia, government, civil society, industry);
- 5. Establish monitoring and evaluation mechanisms to track progress and ensure continuous improvement.

This document outlines the concrete measures that should be implemented by any institution wishing to operationalize the above objectives and embed SER principles across institutional





structures. It is designed not only as a record of achievements but also as a practical implementation guide for academic leaders, researchers, and administrative units.

Each thematic area—awareness, integration, capacity building, collaboration and evaluation—is supported by a suite of validated tools, training formats, and engagement strategies developed within the BETTER Life project.

The document is organized into the following sections:

- Overview of Achievements and Institutional Mapping: Summarizes tools, practices, and implementation targets to date.
- **Strategic Actions by Outcome**: Groups tools and practices according to the five SER integration pillars.
- **Actions & Implementation**: Provides a detailed action matrix with timelines, responsible units, and tools.
- **Monitoring and Evaluation**: Brief outline of indicators, feedback mechanisms, and tracking tools for continuous improvement as part of the conclusion.
- **Institutional Commitment**: Describes leadership, budgeting, and governance structures necessary for sustainability.
- A **Table of Contents** is included to guide users through the structure.

This Action Plan is intended as a living document—one that can be revisited, adapted, and scaled as institutional capacity and context evolve.





2. Overview of Achievements and Institutional Mapping

As outlined in the introduction, this Action Plan aims to operationalize Socially Engaged Research through a structured, tool-based approach. To ensure transparency, accountability, and transferability, it is essential to begin with a clear overview of what has already been achieved within the framework of the BETTER Life project.

This section exists to bridge the strategic vision of SER with concrete institutional practices. It provides a snapshot of the methodologies, tools, and outcomes that have been piloted, adopted, or scaled so far. Its purpose is twofold:

- To serve as an internal benchmarking tool for BETTER Life partners,
- And as a replicable template for other institutions interested in adopting SER practices in a structured and evidence-based manner.

Achievements are organized according to the five core outcome areas of the BETTER Life framework:

- 1. Promoting awareness and understanding of SER
- 2. Integrating SER into institutional processes
- 3. Building capacity for SER
- 4. Fostering sustainable collaborations
- 5. Establishing monitoring and evaluation mechanisms

The accompanying table (Annex 2) outlines for each area:

- The methodologies and tools employed so far by BETTER Life partners' institutions,
- Implementation targets reached or in progress,
- The broader institutional impact envisioned.

This mapping provides a solid foundation for the implementation measures that follow and illustrates how BETTER Life is transforming partners institutions' research ecosystem to support a culture of meaningful, socially responsive science. (Annex 2).





3. Strategic Actions by Outcome

This section presents the key tools and approaches through which BETTER Life project is advancing the institutionalization of SER. Organized according to the five core outcome areas of the BETTER Life framework, it illustrates how specific instruments have been implemented to address concrete institutional goals.

Each outcome is supported by a set of tools piloted and adapted during the project. For each tool, the table summarizes:

- How it has been implemented;
- What impact it is expected to generate among researchers, students, and societal stakeholders.

The structure aims to provide a concise yet practical overview of how theoretical commitments to SER have been translated into action. It also highlights the versatility of BETTER Life tools and their potential for cross-sectoral and interdisciplinary application.

3.1 Promoting Awareness and Understanding of SER

Raising awareness about the societal relevance of research is a foundational step toward institutionalizing Socially Engaged Research. At most institutions, this should begin by equipping researchers, students, and staff with accessible entry points into the core values and principles of engagement.

The following tools have been used to foster reflection, experiential learning, and dialogue around SER. Through introductory formats, such as boardgame, mentorship programmes, and immersive events, institutions can start cultivating a culture where academic work is viewed in relation to community needs and broader societal impact.

Each tool presented in the table below plays a specific role in making SER more tangible, relatable, and visible, particularly among early-career researchers and interdisciplinary teams.





Tool	Implementation	Expected Impact		
Boardgame	The game provides an engaging and experiential way to understand SER values. It is used in introductory training for students and staff in Life Sciences.	Increased awareness of community needs and the balance between academic and societal goals.		
Summer Schools	Schools SER principles are deeply explored through immersive Enhanced critical thi learning. Students participate in role-playing and reflection interdisciplinary collaboration activities.			
Mentorship	Mentors help Early Career Researchers (ECRs) understand	ECRs develop better orientation in socially		
Programmes	the purpose and process of engaging society in research.	relevant research design.		
Think Tank	These sessions raise institutional and individual awareness	Foundations for internal SER-related		
Sessions	about SER value.	policy initiatives are established.		
Academic Bridge Municipalities are directly involved in collaborative research planning.		Better connection between Educons and local community priorities.		
Visual Methodologies	Visual tools are used to communicate the collective, co- constructed nature of research.	Researchers reflect on representation and audience diversity.		

3.2 Integrating SER into Institutional Processes

Beyond raising awareness, the sustainable embedding of Socially Engaged Research requires its integration into the core structures, procedures, and routines of the institutions. This includes aligning engagement principles with policies on evaluation, promotion, research design, and strategic development.

SER can be incorporated into institutional life through a combination of reflection tools, training programs, policy dialogues, and structured partnerships. These interventions aim to establish SER not as an add-on, but as an expected and supported dimension of research practice.

The table below highlights how specific tools can be applied to mainstream SER within the institutions, ensuring that socially engaged approaches become embedded in strategic decision-making, academic evaluation, and cross-departmental collaboration.

Tool	Implementation	Expected Impact		
Bootcamps Training on how to embed SER into policies, evaluation, and curricula.		SER is integrated into university strategic documents.		
Boardgame	Used in training to initiate discussion on institutional and societal priorities.	Common language and priorities identified across departments.		
Self-Reflection Tool (BL-SER)	Enables researchers to evaluate their engagement levels and plan improvements.	SER becomes part of performance review and project planning.		
MentorshipMentors support formal integration of SER into acadeProgrammescareer paths.		Retention and empowerment of socially engaged faculty.		
Academic Bridge	Facilitates long-term partnerships and integration of research in local development plans.	Institutional commitment to regional impact increases.		





3.3 Capacity Building for SER

Developing the skills, confidence, and mindset needed for socially engaged research requires dedicated capacity-building efforts. Training formats should be designed to support researchers—particularly early-career researchers (ECRs)—in acquiring practical competencies related to communication, co-creation, stakeholder engagement, and participatory methodologies.

Through a combination of immersive formats such as summer schools, mentorship programmes, bootcamps, and design thinking toolkits, institutions are creating a supportive environment for building SER-related expertise.

The table below outlines the tools used to strengthen institutional and individual readiness for SER, with a focus on enabling researchers to work across disciplines, connect with non-academic actors, and generate meaningful societal outcomes through their research.

Tool	Implementation	Expected Impact		
Bootcamps	Hands-on training in science communication and co-design.	Increased number of researchers with SER-relevant skills.		
Summer Schools	Fieldwork and interactive exercises foster experiential learning.	Students become SER ambassadors.		
Mentorship	Supports mentees in learning project design and	Higher quality of community-based research		
Programmes	community engagement.	proposals.		
Boardgame	Players gain negotiation, resource balancing, and participatory planning experience.	Strengthened skills for real-world engagement.		
Self-Reflection Tool	Identifies individual gaps and areas for SER growth.	Personal development pathways are created for researchers.		
Promote Your Research Toolkit	ECRs learn how to communicate research impact to stakeholders.	Stronger visibility and uptake of academic research.		
Design Thinking	Introduces empathy-driven approaches for public innovation.	Researchers gain tools for co-creation with end users.		
Shiny R & Urban Perceptions Tools	Used for data visualization and integrating citizens' input in urban research.	Researchers are empowered to produce data-informed, inclusive studies.		

3.4 Fostering Sustainable Collaborations

SER thrives on long-term, trust-based collaboration between academia and societal actors. Moving beyond ad hoc partnerships, institutions are working to build durable and structured relationships with stakeholders across the Quadruple Helix—government, civil society, business, and other knowledge communities.





This section presents tools and formats that facilitate mutual learning, joint agenda-setting, and co-created research. From platforms like the Academic Bridge to participatory labs and think tank sessions, these initiatives aim to embed collaboration into the research process itself, rather than treating it as an external outreach effort.

The tools highlighted below are being used to institutionalize a culture of cooperation, ensure reciprocity, and align academic inquiry with real-world challenges.

BETTER Life recognizes the importance of long-term, trust-based partnerships across the Quadruple Helix (academia, government, civil society, industry). Activities include:

Activity	Description	Expected Impact		
Academic Bridge	Ongoing collaboration with local municipalities for codesigned research agendas.	Strengthened alignment between university research and local needs.		
Think Tank Sessions	Regular dialogue platforms involving external stakeholders to co-define challenges and research priorities.	Shared ownership of research initiatives and increased policy relevance.		
Human Ecosystem Integration Lab	Cross-sectoral simulation spaces for mutual learning and project prototyping.	Stronger interdisciplinary and intersectoral bonds.		

Through these instruments, institutions ensure that socially engaged research does not remain isolated but becomes embedded in a wider network of sustainable partnerships.

3.5 Establishing Monitoring and Evaluation Mechanisms

To ensure the effectiveness, accountability, and adaptability of Socially Engaged Research initiatives, institutions must establish mechanisms for regular monitoring and evaluation. These mechanisms were designed to track both individual engagement efforts and institutional progress over time.

Tools such as self-assessment instruments, feedback loops, and data visualization platforms are used to collect insights, measure uptake, and inform iterative improvement. These approaches support a culture of reflection, transparency, and evidence-informed decision-making.

The table below outlines how specific tools are being applied to monitor SER integration and impact. They enable researchers, administrators, and leadership to assess what is working, where adjustments are needed, and how institutional learning can be supported.

To ensure effective implementation and iterative improvement, the following Monitoring & Evaluation (M&E) actions will be introduced:





Mechanism	Description	Purpose		
Self-Assessment	Used by researchers to reflect on their engagement	Encourage continuous self-improvement and		
Tool	levels and track progress over time.	identify support needs.		
Annual Internal	Compilation of SER activities, outcomes, and lessons	Provide institutional feedback and		
Report	learned.	accountability.		
Stakeholder	Civil society and public sector partners evaluate	Validate effectiveness and inform policy		
Surveys relevance and impact of collaboration.		alignment.		
Tool Uptake Quantitative tracking of the use of BETTER Life tools in Metrics curricula and projects.		Measure institutional integration and scaling.		





4. Actions & implementation

This section constitutes the operational core of the Action Plan. It sets out the concrete actions through which institutions will implement its strategic objectives for integrating SER across its structures.

Each action is aligned with one or more of the five outcome areas defined by the BETTER Life framework and is designed to ensure that SER becomes a sustainable, measurable, and visible part of academic and administrative practice.

For each action, the table provides:

- A description of the specific measures being undertaken,
- The key activities and tools used to support implementation,
- A defined timeline or reference period and
- Clearly designated units or persons responsible for delivery.

Together, these measures form a coordinated roadmap for translating institutional ambition into practice. They support cross-departmental ownership, foster accountability, and ensure that the promotion of SER is not only aspirational but actionable.

This implementation matrix is intended as a living framework—one that can be adapted as institutional needs evolve and as new opportunities for engagement emerge.

Action	Measures	Description	Activites	Key Tools	Timeline	Responsible Unit/Person
1. Create a	Communication	-Increase	-Disseminate the	Promote your	Year 1-	Science
Culture of SER	training	communication	"Promote Your	Scince	ongoing	Communications
Awareness		skills for research	Research	Communication		Office, HR Training
		visibility and	Communication"	Tool		Unit
		engagement	guidelines.			
	Interactive	-Use gamified	-Use the BETTER Life	BETTER Life	Year1-	Research Office, QH
	Education	learning to raise	Boardgame to teach	Boardgame	Ongoing	stakeholders
		awareness on SER	collaborative			
		and cooperation	dynamics.			
	Introductory	-Offer onboarding	-Organize institutional	Summer School	Recurring	HR/Training Dept
	SER Training	sessions for ECRs	SER awareness weeks	Tartu; Visual	annually	
		on core SER		Methodologies		
		principles; -				

D5.1 Action Plans for SER in life sciences in Europe (EU-wide and specialised)





			and thematic workshops.			
			- Appoint and train one SER Ambassador per department (staff or students). Their role: promote SER locally, organize engagement events, support the mentoring system.			
2. Integrating SER into Institutional Processes	SER Evaluation Metrics	-Include SER in researcher evaluations and funding schemes	Incorporate the BETTER Life Self-Assessment Tool and BL-SER Self-Reflection Tool into researcher annual evaluations. -Adjust promotion criteria to include SER contributions.	Self-Assessment Tool, BL-SER Tool	Q4 2025 Q2 2026.	Academic Affairs, HR, Research Council
	SER Policy Alignment	-Develop internal guidelines for research engagement	-Develop department- level SER strategies;	Think Tank Outputs; Mentorship Program	Q4 2025 - Q1 2026.	Institutional Evaluation Committee, Rectorate, Legal Office
	Institutional Mentorship Scheme	-Embed structured mentorship support with SER focus	-Implement BL-SER reflection sessions	Mentoring Plan; Bootcamp I & III	Done	Academic Development Office
3. Capacity Building for SER	Tailored Training for ECRs	-Equip young researchers with engagement skills	-Launch an internal mentoring scheme using the Mentoring Plan and Think Tank methodology. -Conduct annual summer schools and training on SER; -Create an Internal SER Certification Program-Design a certification track for researchers, recognizing SER-related competencies (training, community engagement, tool usage).	Summer Schools, Mentoring Plan, Bootcamps I-III;	Ongoing	Research Office, Teaching & Learning Center





	Research Methods Enhancement	-Promote use of visual and participatory research methods	-Offer recurring training based on Visual Methodologies, Design Thinking Toolkit, and Summer School formats.	Visual Methodologies; Design Thinking Toolkit	Annually	Research Units
	SER Data Interpretation	-Enable user- friendly data visualization and hypothesis building		R Shiny Tools (Wordclouds, Time Series, Exploratory Analysis)	Year 3 of the BL project	Digital Lab
4. Fostering Sustainable Collaboration	Academic-Civic Matchmaking	-Facilitate partnerships between municipalities and researchers	-Actively use Academic Bridge platform to connect with local authorities.	Academic Bridge; Think Tank Series	Year 2 of the BL project- ongoing	Partnership Development Office, Local Engagement Hub, External Relations
	Stakeholder Ecosystem Mapping	-Broaden reach of QH collaboration, -Foster International Collaboration with SER Networks -Join or engage with international networks.	-Promote ECR visibility via the Human Ecosystem Integration Lab (H-EIL), organize stakeholder engagement events through H-EIL	H-EIL,	Ongoing	
	Community- Driven Design	-Implement participatory urban planning approaches	-Facilitate cross- sectoral collaboration forums	Design Thinking Toolkit;	Annually	Faculty of Urban Studies
Monitoring and Evaluation Mechanisms	Institutional Self-Audit	-Regular evaluation of SER integration	-Set quarterly review mechanisms for SER activities	BETTER Life Self- Assessment Tool	Quarterly	Institutional Quality Assurance Office
Sustainable Collaboration 5. Monitoring and Evaluation	Engagement Tracking System	-Develop dashboards and scorecards for SER metrics	-Use R Shiny apps to visualize SER-related data. -Include indicators from the Mentoring Plan and Communication Toolkit in annual reporting. -Track word cloud results and self-assessment scores over time.	R Shiny Tools, Word Cloud Generator, Self- Assessment System	Q3 2025- Q2 2026.	IT & Research Office
	Stakeholder Feedback Loops	-Formalize external feedback processes	-Mentorship Evaluation; Bootcamp Feedback		Continous	Institutional SER Taskforce





5. Conclusion

Through the strategic use of BETTER Life tools, institutions are embedding Socially Engaged Research as a pillar of their identity. This action plan reflects a commitment to not only fostering academic excellence but also contributing to the societal good. The approach serves as a model for other institutions aiming to achieve sustainable and participatory research ecosystems.

This Action Plan provides a structured framework for raising awareness, embedding engagement into institutional policies, building researcher capacities, fostering sustainable partnerships, and establishing systems for ongoing evaluation and improvement.

Rather than approaching SER as a temporary initiative or parallel activity, this plan positions engagement as an integral part of research culture, grounded in public value, interdisciplinary collaboration, and responsiveness to societal challenges.

The implementation roadmap, supported by the BETTER Life tools and methodologies, ensures that actions are measurable, accountable, and adaptable. Each strategic area is accompanied by clear activities, responsible units, timelines, and key performance indicators to facilitate coordination and institutional learning.

To support long-term sustainability, institutions should commit to:

- Formal endorsement of this Action Plan by the University Senate or equivalent governing body
- Nomination of departmental SER coordinators to ensure implementation across units
- Allocation of financial and human resources for training, digital infrastructure, outreach, and mobility
- A review and update cycle every two years to reflect institutional learning, stakeholder input, and evolving policy environments

Through this Action Plan, institutions position themselves not only as a center of academic excellence, but also as a proactive societal actor—deeply connected to its community, responsive to change, and committed to producing knowledge that matters





Monitoring and Evaluation

To ensure that the institutionalization of Socially Engaged Research (SER) remains not only aspirational but measurable, institutions should monitor progress through a set of clearly defined indicators aligned with strategic actions and outcome areas. These indicators will serve as tools for internal learning, quality assurance, and continuous refinement of SER practices.

By embedding monitoring methods into the implementation process—such as training records, feedback loops, usage analytics, and periodic self-assessment—the institution creates a feedback-driven environment that supports transparency, accountability, and sustained impact.

Institutional Commitment

Leadership commitment is essential. Institutional endorsement of this action plan should be formalized through a strategic resolution by the University Senate or equivalent governing body. Each department should nominate SER coordinators to support implementation.

Budget & Resources

Institutions are encouraged to allocate funding for:

- Training and capacity development programs
- Technical infrastructure for digital tools (Self-Assessment Tool, H-EIL, R Shiny)
- Communication and outreach
- Mobility and partnership-building initiatives

Review and Update Cycle

The Action Plan shall be reviewed every two years to assess progress, address emerging challenges, and revise objectives and tools accordingly.

Contact: For support in implementing this plan, please contact the BETTER Life team. (https://www.better-life-digital.eu)





Annex 1: Template for Specialised Action Plans

NAME OF THE INSTITUTION Action Plan

This document sets out the concrete actions through which "THE INSTITUTION" will implement its strategic objectives for integrating SER across institutional structures.

Each action is aligned with one or more of the five outcome areas defined by the BETTER Life framework and is designed to ensure that SER becomes a sustainable, measurable, and visible part of academic and administrative practice.

For each action, the table provides:

- A description of the specific measures being undertaken
- The key activities and tools used to support implementation
- A defined timeline or reference period
- Clearly designated units or persons responsible for delivery

Together, these measures form a coordinated roadmap for translating institutional ambition into practice. They support cross-departmental ownership, foster accountability, and ensure that the promotion of SER is not only aspirational but actionable.

This implementation matrix is intended as a living framework—one that can be adapted as institutional needs evolve and as new opportunities for engagement emerge.

Action	Measures	Description	Activities	Key Tools	Timeline	Responsible
						Unit/Person
1. Create a	Communication	-Increase	-Disseminate the	Promote your	Year 1-	Science
Culture of SER	training	communication	"Promote Your	Science	ongoing	Communications
Awareness		skills for research	Research	Communication		Office, HR Training
		visibility and	Communication"	Tool		Unit
		engagement	guidelines.			





	I					
	Interactive Education	-Use gamified learning to raise awareness on SER and cooperation	-Use the BETTER Life Boardgame to teach collaborative dynamics.	BETTER Life Boardgame	Year1- Ongoing	Research Office, QH stakeholders
	Introductory SER Training	-Offer onboarding sessions for ECRs on core SER principles; -	-Organize institutional SER awareness weeks and thematic workshops. - Appoint and train one	Summer School Tartu; Visual Methodologies	Recurring annually	HR/Training Dept
			SER Ambassador per department (staff or students). Their role: promote SER locally, organize engagement events, support the mentoring system.			
2. Integrating SER into Institutional Processes	SER Evaluation Metrics	-Include SER in researcher evaluations and funding schemes	-Incorporate the BETTER Life Self- Assessment Tool and BL-SER Self-Reflection Tool into researcher annual evaluations.	Self-Assessment Tool, BL-SER Tool	Q4 2025 Q2 2026.	Academic Affairs, HR, Research Council
			-Adjust promotion criteria to include SER contributions.			
	SER Policy Alignment	-Develop internal guidelines for research engagement	-Develop department- level SER strategies;	Think Tank Outputs; Mentorship Program	Q4 2025 - Q1 2026.	Institutional Evaluation Committee, Rectorate, Legal Office
	Institutional Mentorship Scheme	-Embed structured mentorship support with SER focus	-Implement BL-SER reflection sessions	Mentoring Plan; Bootcamp I & III	Done	Academic Development Office
3. Capacity Building for SER	Tailored Training for ECRs	-Equip young researchers with engagement skills	-Launch an internal mentoring scheme using the Mentoring Plan and Think Tank methodology.	Summer Schools, Mentoring Plan, Bootcamps I-III;	Ongoing	Research Office, Teaching & Learning Center
			-Conduct annual summer schools and training on SER; -Create an Internal			
			SER Certification Program- Design a certification track for			





			researchers,			
			recognizing SER-			
			related competencies			
			(training, community			
			engagement, tool			
			usage).			
	Deceases	Duamanta usa af		Vieuel	Ammundlu	Research Units
	Research	-Promote use of		Visual	Annually	Research Units
	Methods	visual and	training based on	Methodologies;		
	Enhancement	participatory	Visual Methodologies,	Design Thinking		
		research	Design Thinking	Toolkit		
		methods	Toolkit, and Summer			
			School formats.			
	SER Data	-Enable user-		R Shiny Tools	Year 3 of the	Digital Lab
	Interpretation	friendly data		(Wordclouds,	BL project	1 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -
	interpretation	visualization and		Time Series,	DE project	
				·		
		hypothesis		Exploratory		
		building		Analysis)		
4. Fostering	Academic-Civic	-Facilitate	-Actively use Academic	Academic Bridge;	Year 2 of the	Partnership
Sustainable	Matchmaking	partnerships	Bridge platform to	Think Tank Series	BL project-	Development
Collaboration		between	connect with local		ongoing	Office, Local
		municipalities	authorities.			Engagement Hub,
		and researchers				External Relations
	Stakeholder	-Broaden reach of	-Promote ECR visibility	H-EIL,	Ongoing	
	Ecosystem	QH collaboration,	via the Human			
	Mapping	(Ecosystem Integration			
	Марритв		Lab (H-EIL), organize			
		-Foster	_			
		International	stakeholder			
		Collaboration	engagement events			
		with SER	through H-EIL			
		Networks				
		-Join or engage				
		0 0				
		with				
		international				
		networks.				
	Community-	-Implement	-Facilitate cross-	Design Thinking	Annually	Faculty of Urban
	Driven Design	participatory	sectoral collaboration	Toolkit;		Studies
		urban planning	forums			
		approaches				
5. Monitoring	Institutional	-Regular	-Set quarterly review	BETTER Life Self-	Quarterly	Institutional
and	Self-Audit	evaluation of SER	mechanisms for SER	Assessment Tool	- Lancerty	Quality Assurance
Evaluation	Jeli-Addit		activities	Assessment root		Office
	Engage: ::: :	integration		D Chinn T I	02 2025 02	
Mechanisms	Engagement	-Develop	-Use R Shiny apps to	R Shiny Tools,	Q3 2025- Q2	IT & Research
	Tracking System	dashboards and	visualize SER-related	Word Cloud	2026.	Office
		scorecards for	data.	Generator, Self-		
		SER metrics		Assessment		
			-Include indicators	System		
			from the Mentoring			
			Plan and			
			Communication			
			Toolkit in annual			
			reporting.			





		-Track word cloud results and self- assessment scores over time.			
Stakeholder	-Formalize	-Mentorship	Continuous	Institutional	
		'	Continuous		
Feedback Loops	external	Evaluation; Bootcamp		Taskforce	
	feedback	Feedback			
	processes				





Annex 2: Implementation Measures

	Established methodologies with best practices				Tools										
BetterLIFE outcomes	Bootcamps	Summer Schools (live/online)	Mentorship programmes	Think tank sessions	Boardgame	BL-SER Self-Reflection	Academic Bridge	Promote your Research	Shiny R	Visual Methodologies for Landscape Observatory		Integrating Citizens' Perceptions of Urban Environmental Quality into Inclusive City Planning Processes	Human ecosystem integration LAB	Empowering growth through guided connections	BETTER Life Self- Assessment Tool
Targets			2000												
Promoting Awareness and Understanding of SER	- Key SER concepts were introduced, raising awareness among EORs and EMs about the societal rice of science.	- In-depth exploration of SER principles was provided through lectures, roundtables, and hands on case studies. Participants gained a deeper undestsanding of how research can address societal and environmental challenges.	-Mentors are suppose to guide ECRs in understanding the core values and practices of SER, helping them reflect on the societal relevance of their research. Awareness should be raised through one-on-one mentoring and group sessions.	of research in society. Real-life examples and personal experiences	- The game provides an engaging and experiential learning environment in which players learn about the dynamics of collaboration, stakeholder roles, and the societal impact of research through simulation.	- The tool guides ECRs through key engagement areas, helping them understand what it means to conduct SER and how to reflect on their own efforts.	- By directly involving municipalities in collaborative research, the platform increases awareness of the societal value of academic work and demonstrates how SER can address real local issues.	- The guidelines help researchers understand the value of communicating their work beyond academia and how public engagement supports transparency, accountability, and societal relevance of research.	- The apps support ECRs in better understanding how data can be used for effective engagement and communication with stakeholders, especially in life sciences.	-The awareness of research as a collective, community-oriented process by using visual tools to make scientific ideas and planning concepts more accessible to the public is being fostered.	- The toolkit introduces Design Thinking as a participatory, human- centered approach, reinforcing the role of research and planning as collaborative and socially responsive processes.	-The guidelines raise awareness about the importance of citizen involvement in urban ecosystem planning, helping researchers and planners better understand societal perspectives and ecological sensitivities.	- By involving Quadruple Helix stakeholders in dialogue and abstract sharing, the platform fosters a broader understanding of the societal relevance of life science research.	- Through structured guidance and regular reflection, the plan introduces mentees to the reference of SER within scientific careers.	- The tool raises researchers' awareness of what SER ratals by prompting them to refle on their own engagement practices and alignment with SER principles
Integrating SER into Institutional Processes	- Bootcamps adressed how SER can be embedded in institutional strategies (e.g. through open science and transdisciplinary approaches).	- The role of institutions in embedding SER into research practice, particularly through the presentation of BETTER Life tooks and Digital Center of Excellence strategies was emphasised. Case studies and discussions fostered institutional reflection.	institutions supportive of SER, mentees are being	- The sessions laid the foundation for the institutional Mentorship Program, aligned with SER principles. They mobilized faculty, researchers, and external actors, promoting SER integration across academic structures and networks.	- By using the game as part of training sessions or academic workshops, institutions can promote SER-oriented thinking and stakeholder engagement among students and staff.	institutions in embedding	The platform facilitates structured partnerships between academic institutions and local governments, embedding SER into research agendas and institutional outreach practices.	By encouraging structured communication practices and outreach strategies, the tool supports the institutional culture of openness and public engagement within research institutions.	NA NA	By positioning visual communication as part of spatial research and planning, institutions are encouraged to adopt participatory, interdisciplinary, and engagement-focused methodologies.	- By offering structured methodologies and templates (e.g., Empathy Map, Stakeholder Map), the toolkit encourages institutions to adopt participatory frameworks within research and urban planning workflows.	By proposing a decision-making framework and participatory strategies, the tool supports integration of inclusive and citizen-driven approaches into urban planning potics and research agencies.	encourages regular cross-sectoral engagement, making	- The plan supports formalization of mentoring as part of institutional support structures, embedding engagement-oriented goals such as outreach and ethics into career development.	- Institutions can adopt the tool as part of evaluation or development programs, supporting systemic integration of SER standards in academic environments.
Capacity building for SER	Hands-on trainings in related fields like science communication, media interaction, and public engagement skills were provided.	- Through fieldwork, interactive exercises, and direct engagement with real- world issues (e.g., national parks, local communities), participants developed practical skills to implement SER in diverse contexts.	- The program should enhance mentees' competencies in SER through tailored guidance, skill building assignments, and feedback on real research projects, promoting confidence and expertise in engaging with society.	identified essential skills and knowledge for SER. The dialogue between mentors and mentees helped define training priorities and	- Players develop skills in negotiation, resource management, compromise, and systems thinking— essential for real-world socially engaged research and multi-actor collaboration.	targeted recommendations, the tool helps researchers build competencies needed for meaningful	, - Municipal employees gain exposure to research processes and evidence- based methodologies, while researchers and students develop skills in stakeholder communication and applied problem-solving.	-The tool builds ECRs' skills in stakeholder communication, impact monitoring, and content creation tailored for different audiences, improving the ability to engage with society.	The tools help ECRs develop basic data interpretation and visualization skills, supporting early stages of hypothesis development and stakeholder communication.	- Participants (researchers, planners, administrators) develop sidlis in visual storytelling, community dialogue, and inclusive research communication, enhancing their ability to conduct context-sensitive and impactful research	- Users gain concrete skills in empathy-driven problem-solving, stakeholder engagement, ideation, prototyping, and impact evaluation—key competencies for conducting socially engaged, applied research.	citizens) with methods to recognize, classify, and respond to urban ecosystem disservices, enhancing their ability to mediate conflicts and co- create nature-based	- ECRs gain opportunities to present their work, receive feedback, and connect with diverse actors, which supports skill development in communication, networking, and societal impact.	- It enhances mentees' competencies in communication, public engagement, ethical research, and networking—essential skills for meaningful skills for meaningful	- By offering personalized feedback and practical recommendations, the tool guides researchers in improving their engagement skills and planning future SER activities.
Fostering sustainable collaborations	Bootcamps facilitated dialogue between academia, industry, and policymakers, building cross-sectoral partnerships.	- Both schools connected researchers from over 10 countries, encouraging intercultural dialogue and establishing networks among academia, politymakers, and local actors. These collaborations support long-term exchange and co-creation.	- Long-term mentor- mentee relationships should promote cross- generational and cross- institutional collaboration. Mentors should encourage mentees to connect with external stakeholders fostering a collaborative mindset.	- The sessions connected actors from academia, government, NGOs, and the private sector.		NA NA	- Academic Bridge is built around long-term, mutuall beneficial partnerships between municipalities and academia, creating a platform for continuous collaboration and shared impact.	- By reaching	- By enabling researchers to present data in accessible and engaging ways, the tools can facilitate clearer dialogue and mutual understanding with non-academic partners.	public administration are	- The co-design process promoted by the toolkit facilitates long-term partnerships between researchers, planners, communities, city administrations, and SMEs, grounded in mutual trust and shared goals.	- Encouraging dialogue between oflizens, city officials, environmental groups, and researchers, the tool creates opportunities for lasting cooperation rooted in shared urban challenges and solutions.	- (H)EIL functions as a digital meeting point for academia, government, business, and civil society, enabling sustained, inclusive cooperation based on shared interests.	- By encouraging relationship-building across disciplines and sectors, the plan facilitates long-term collaboration, particularly between jurnor researchers and experienced professionals.	- Partially applicable. While not directly a networking tool, the increased SER awareness can lead researchers to seek broader collaborations with non-academic stakeholders.
Establish monitoring and evaluation mechanisms	- Each boolcamp included feedback tools, reflection tasks, and follow-up activities to assess learning and engagement impact.	- Participants actively tested and provided feedback on BETTER Life tools during the programs. Reflections, presentations, and peer input served as informal mechanisms for evaluating SER implementation and tool effectiveness.	These tools allow both mentors and coordinators to monitor growth, provide feedback, and assess the	contributed to designing the feedback and evaluation structure of the	- Not directly applicable. However, post-game debriefings can be used to reflect on collaborative behaviors and group dynamics, offering qualitative insights for engagement strategies.	over time, offering structured data for tracking personal growth in engagement and		- The tool includes guidance on how to monitor communication impact and assess visibility, supporting continuous improvement of engagement efforts.	NA NA	- Partially applicable. Visual methods support qualitative feedback, enabling researchers to collect stakeholder insights and community responses, which can serve as informal evaluation tools.	strategies, and document results throughout the co-	- Partially applicable. The use of the decision tree and stakeholder feedback mechanisms allows users to evaluate perception and adapt strategies for urban ecosystem management over time.	- Partially applicable. The submission and profiling features can generate data for mapping engagement levels and tracking participation trends over time.	-The plan includes regular meetings, goal setting, and feedback cycles, allowing for continuous monitoring of progress and adjustment of mentoring strategies.	and external evaluation