This project is co-financed by the European Union and the Republic of Turkey

Bu proje Avrupa Birliği ve Türkiye Cumhuriyeti tarafından finanse edilmektedir

TURKEYin
HORIZON 2020
COOPERATION, INNOVATION, COMPETITIVENESS

Technical Assistance for Turkey in Horizon 2020 Phase-II
EuropeAid/139098/IH/SER/TR

Participatory approaches in R&I
(examples from HORIZON funded projects)

Gorazd Weiss, Centre for Social Innovation (ZSI)

REPUBLIC OF TURKEY
MINISTRY OF INDUSTRY
AND TECHNOLOGY

COMPETITIVE SECTORS PROGRAMME

TÜBİTAK

CONTENTS:

I. **Multi-actor approach in Horizon Europe**

II. **Co-creation/Co-evaluation approaches**

- **Example: Cherries**

- **Example: LIVERUR**

- **Example: CoACT**
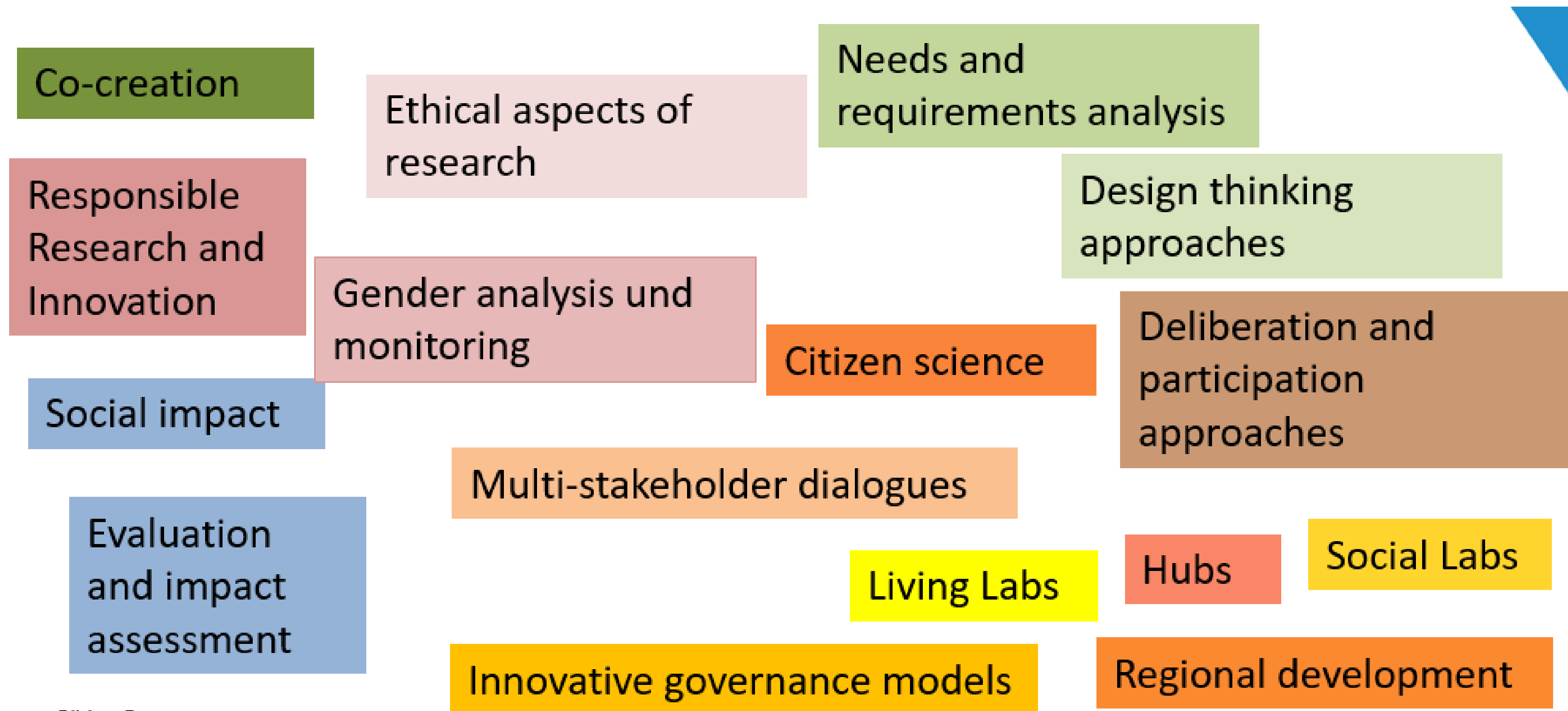
!!! Sources for this presentation:
- Public available information and presentations (including Horizon related Logos and graphics) from official sites of the European Commission/REA/CORDIS.
- Project documentation from EU funded projects Cherries, LIVERUR and CoAct (sources: ZSI team members)
- Please note that **this information included serves only** for **information purposes,** for up-to date information please refer to: https://ec.europa.eu/info/funding-tenders

Multi-actor and citizen Engagement in R&I

Innovation is usaually demand-driven, therefore the involvement of key actors throughout the project implementation is essential!

Multi-actor engagement: actors/stakeholder representing different dimensions of R&I: HEI, ROs, businesses/Industry/SMEs, polica makers & public authorities, CSOs, NGOs…

SSH Topics & possible Approaches (selection)

Co-creation

Responsible Research and Innovation

Ethical aspects of research

Needs and requirements analysis

Design thinking approaches

Gender analysis und monitoring

Social impact

Citizen science

Deliberation and participation approaches

Multi-stakeholder dialogues

Evaluation and impact assessment

Living Labs

Hubs

Social Labs

Innovative governance models

Regional development

Responsible Health

- Pressures on healthcare systems due to ageing populations, chronic diseases, comorbidities etc.

- Pressure to reduce costs while improving quality. Thus innovation is a critical factor for organisations within the healthcare system

- Healthcare innovations rarely achieve widespread uptake even when there is robust evidence of benefits

- Demand-oriented approaches, co-creation and RRI approaches could mitigate these issues
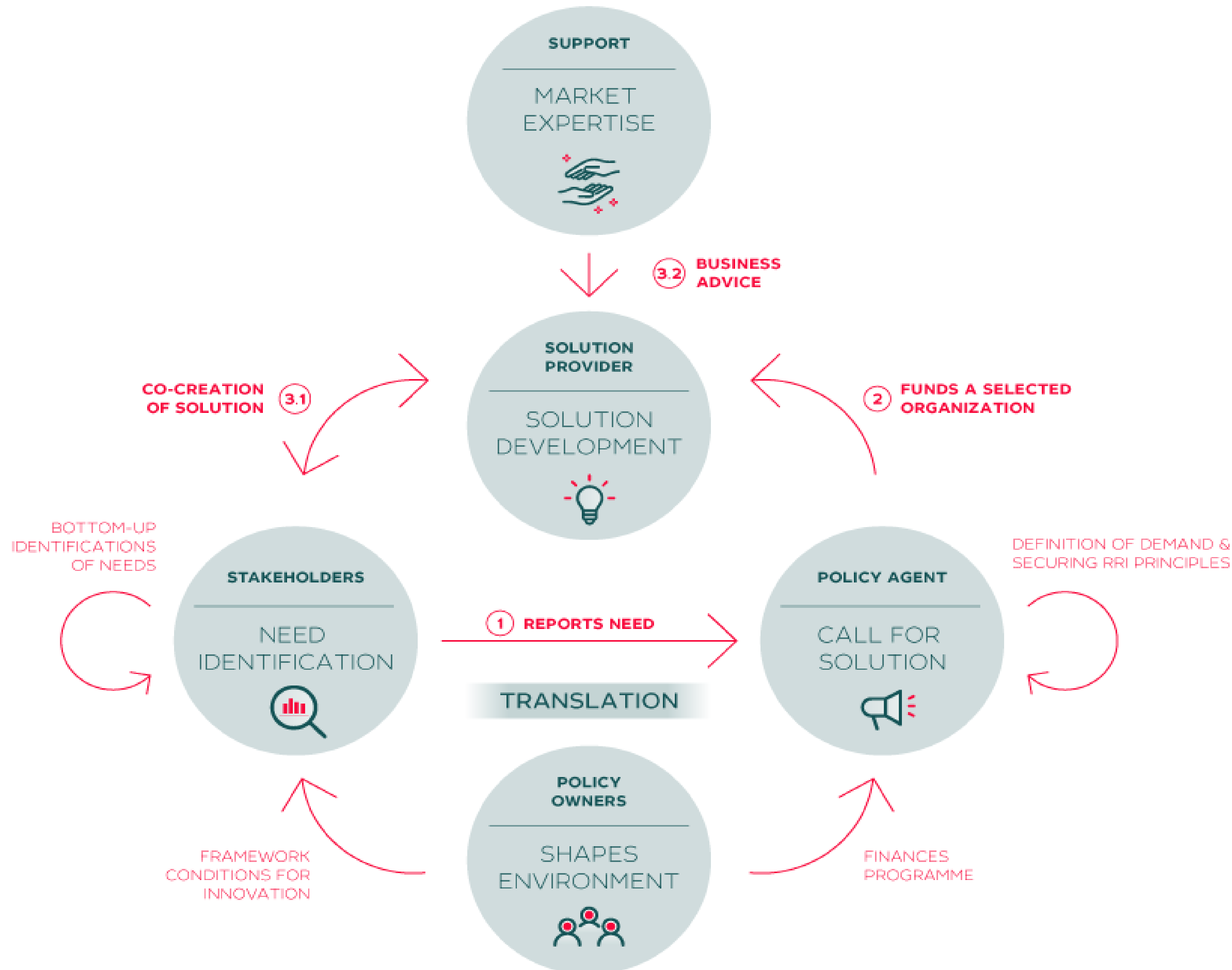
CHERRIES
RESPONSIBLE HEALTHCARE ECOSYSTEMS
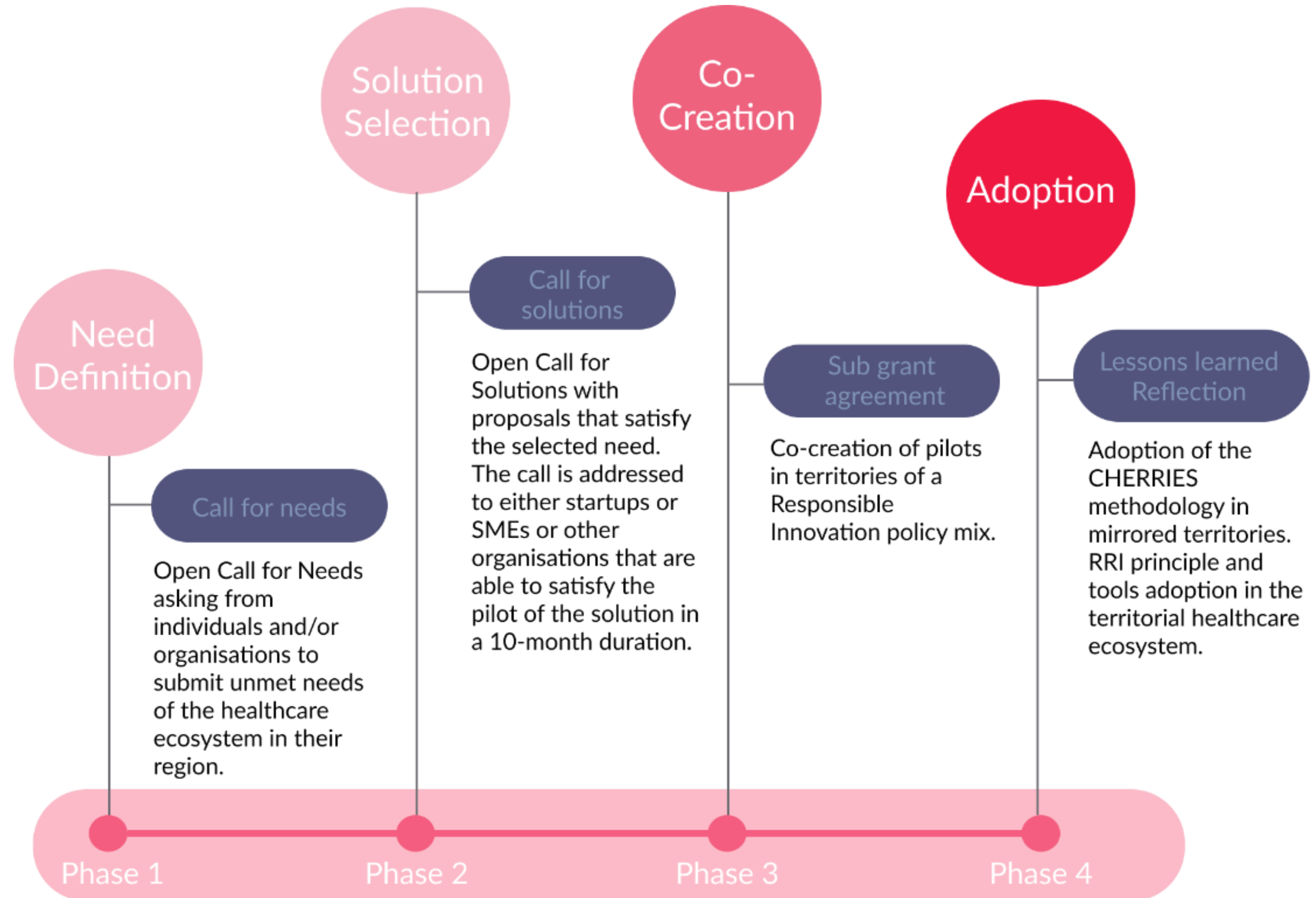
• **The CHERRIES Model...**

CHERRIES – the Model

RRI experiments in healthcare sector based on open-innovation approaches tackling the sector's needs

Co-creation approaches for the development of new solutions with at least one pilot action per region

The sectoral R&I systems are being analysed, the experiments are monitored and evaluated

Recommendation for the design of a responsible and demand-oriented regional innovation policy mix

CHERRIES Methodology step-by-step

Pilot action to meet the demand of the territorial healthcare sector through co-created solutions with a focus on Responsible Research Innovation

Need Definition

Call for needs

Open Call for Needs asking from individuals and/or organisations to submit unmet needs of the healthcare ecosystem in their region.

Solution Selection

Call for solutions

Open Call for Solutions with proposals that satisfy the selected need. The call is addressed to either startups or SMEs or other organisations that are able to satisfy the pilot of the solution in a 10-month duration.

Co-Creation

Sub grant agreement

Co-creation of pilots in territories of a Responsible Innovation policy mix.

Adoption

Lessons learned Reflection

Adoption of the CHERRIES methodology in mirrored territories. RRI principle and tools adoption in the territorial healthcare ecosystem.

Phase 1   Phase 2   Phase 3   Phase 4

The Needs

SE

Breaking and Preventing involuntary loneliness among elderly

Identified by Private citizen

CY

Provision of medical services to the Cypriot citizens that live in rural and remote areas and do not have easy access to healthcare services and prescribed medicines

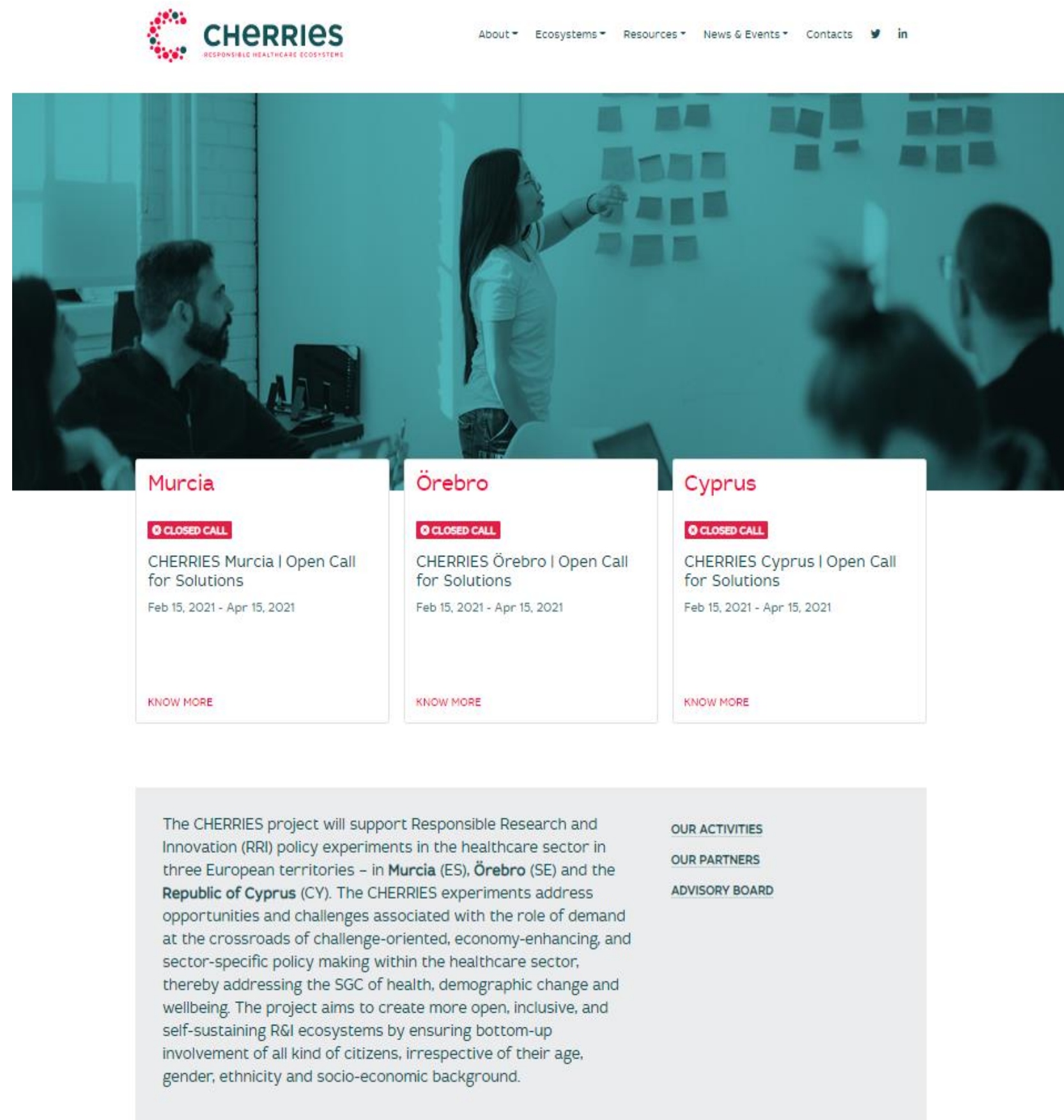Identified by Healthcare Professional, Patient Association

ES

Early Detection of the progression of Multiple Sclerosis

Identified by Patients, Patient association, health professionals (Neurologists and nurses), University researchers

Collection of Proposals

26 eligible proposals

Up to **50.000 €** to develop each solution

+ 30 Evaluators

Healthcare, Patients Associations, IT, Business, Research, Social Innovation

Criteria

Excellence, Impact, Work plan viability, Team experience, Business sustainability & RRI

The selected Solution Provider

ES

SE

Name of the awarded proposal: Seniors leading seniors to a more meaningful and healthier everyday life in Laxå municipality.

Organization: Laxå Municipality

Country: Sweden

Methods for outreach activities, where lonely elderly people are identified and reached, and offer a wide range of activities to counteract loneliness among the elderly

CY

Name of the awarded proposal: Doctors Hello

Company: Doctors Hello

Country: Greece

A peer-to-peer ecosystem, which provides innovative telemedicine services developed to support real-world healthcare based on real-time distributed data.

ES

Name of the awarded proposal: MS Care – Multiple Sclerosis Care

Company: PULSO EDICIONES

Country: Spain

Technological solution: ICT e-health Platform and kinetic algorithm to detect the progression of the Multiple Sclerosis

CHERRIES
RESPONSIBLE HEALTHCARE ECOSYSTEMS

Co-creation of an innovative solution

- Regular Meetings
- Interactions
- Collaborative Platform
- Focus groups

- Solution Providers
- Healthcare Professionals
- Patients/Users
- CSOs
- Innovation experts
- Researchers
- Business Experts
Policy Makers

10 months of co-creation

Multi-stakeholders teams to co-design the solutions

Prototypes / **Process** to be tested and validated

Monitoring and Reporting

- Requirements
- Testing with patients/users
- Monitoring and Feedback for validation

- Evaluation
- Communication & Dissemination
- RRI
- Ethics
- IPR

CHERRIES
RESPONSIBLE HEALTHCARE ECOSYSTEMS

13

- ... and institutional change?

Doing RRI

- Reflexive approach with high level of participation
- Inclusive approach based on needs of patients and healthcare professionals
- Piloting and experimentation as a means of developing new care settings
- Establish new roles and social relations between actors of regional eco-systems
- Integrate co-creation in the regional innovation tool-box

CHERRIES
RESPONSIBLE HEALTHCARE ECOSYSTEMS

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EXAPLE 2

LIVING LAB RESEARCH CONCEPT IN RURAL AREAS

https://liverur.eu/

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 773757.

LIVE RUR

General Presentation of LIVERUR

LIVERUR : A project that has received funding under the H2020 research and innovation programme
Call: H2020-RUR-2017-2 - Topic: RUR-09-2017. *Business models for modern rural economies.*
Type of action: Research and Innovation Action (RIA)

- Small and Medium Enterprises are the engines of economic growth in rural areas in Europe.

- The LIVERUR project is part of the EU's drive to develop innovation in rural areas and to identify new value-creating opportunities.

EU Contribution
100%
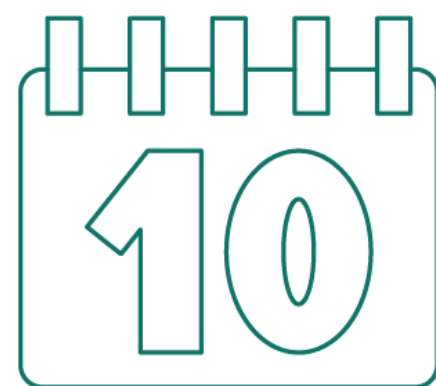
Start date
1 May 2018

End date
30 April 2021

Project Budget:
4.107.005 €

Coordinator

UCAM
UNIVERSIDAD
CATÓLICA DE MURCIA

#LIVERUR · #investeuresearch · www.liverur.eu

General Presentation of LIVERUR

Environment & Resilience

Ressource Efficiency

Competitiveness of small and medium enterprises

New technologies New markets

LIVERUR Piloting Areas

Name	Partner	Country
Living Lab in agro-tourism and selling of niche products from the farm	UHLAVA	Czech Republic
Living Lab in organic farming and agro-ecology framework Slovenia	UL	Slovenia
Living Lab in Cultivation activities (Mediterranean climate) with short supply of water and technological penetration	ADRI & UCAM	Spain
Living Lab in Social Farming Specific aim: Deployment of IoT & Blockchain technologies in the food traceability system	TRA	Malta
Living Lab in raising production and transition from traditional to modern business models	ZEKA	Turkey
Living Lab in Lake Trasimeno ecosystem	SOG & UCT	Italy
Living Lab in the production of fruits and vegetables	ZSA	Latvia
Living Lab in Short supply chain in agriculture	RMB	Austria
Living Lab in the West of France for the livestock production chain improvement	CRAPDL & CEA	France
Living Labs in Environment and Resilience - Resource efficiency and management - Competitiveness of SMAEs & rural value chains	CRAB	France
Living Lab in boosting exportation of high quality products; social inclusion framework	E35	Italy
Azores Living Lab: Quality and Sustainable production	FRCT	Portugal
Living Lab in traditional craft sector: circular handmade Berber carpet production	DAR	Tunisia

#LIVERUR · #investeuresearch · www.liverur.eu
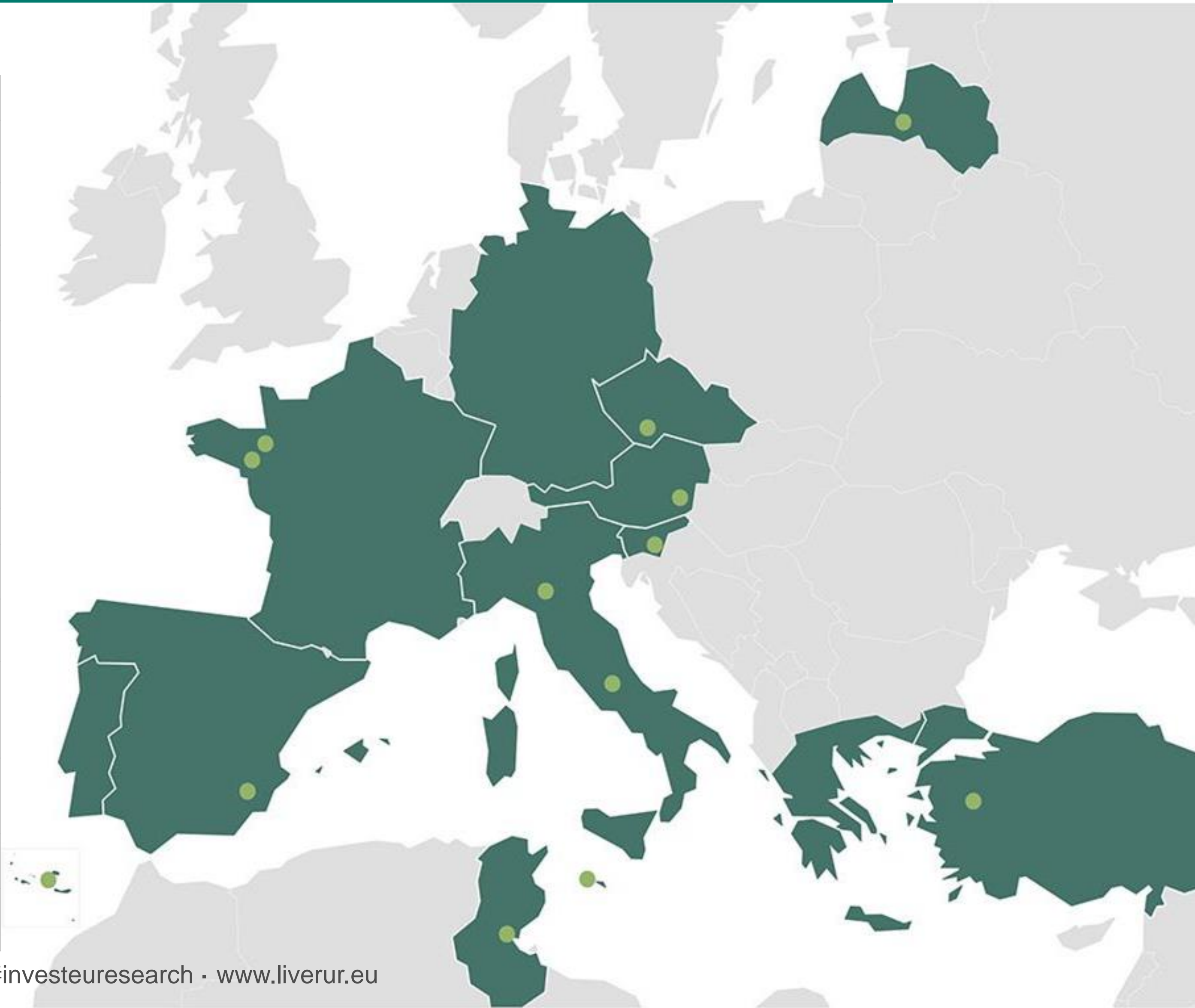
EXAPLE 3

Co-designing Citizen Social Science for Collective Action

Project Overview

- H2020 SwafS Citizen Science project
- 3 years: 01/2020-12/2022

- 8 consortium partners: HEIs, RPOs, NGOs and global networks of open science and open data activism

ZENTRUM FÜR SOZIALE INNOVATION | CENTRE FOR SOCIAL INNOVATION
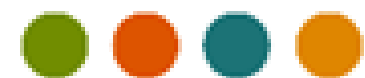
Objectives

O1. To generate new ground-breaking and open scientific outcomes by means of Citizen Social Science (CSS)

O2. To engage citizens in a vulnerable situation and local CSO groups in R&I initiatives and to place them at the centre of the R&I cycle

O3. To produce scientific evidence-informed reactions and thereby create new policies and to improve existing ones

O4. To build a common and validated transdisciplinary CSS methodological framework for a variety of end-users

O5. To promote Open Science and scientific research integrity in methods and data

O6. To create and validate a robust and inclusive R&I evaluation framework

O7. To increase scientific literacy, skills, competences and public awareness regarding science

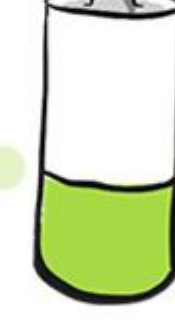O8. To disseminate CoAct results and build a global sustainable CSS community of practice
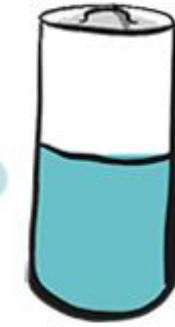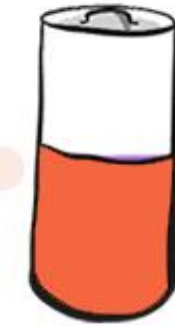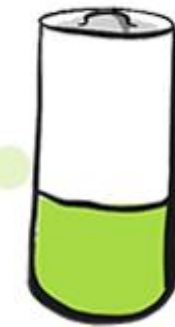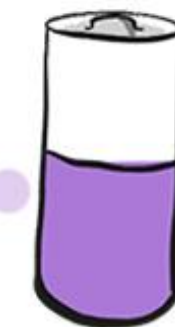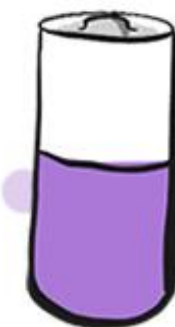
Citizen Social Science

Participatory research co-designed and directly driven by citizen groups sharing a social concern.
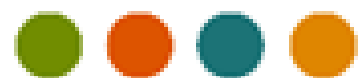
Participation ?

Contributory citizen science
(Majority of early online citizen science projects)

Scientist as project designer + Participatory technology or strategy ▶ Citizens as data gatherers
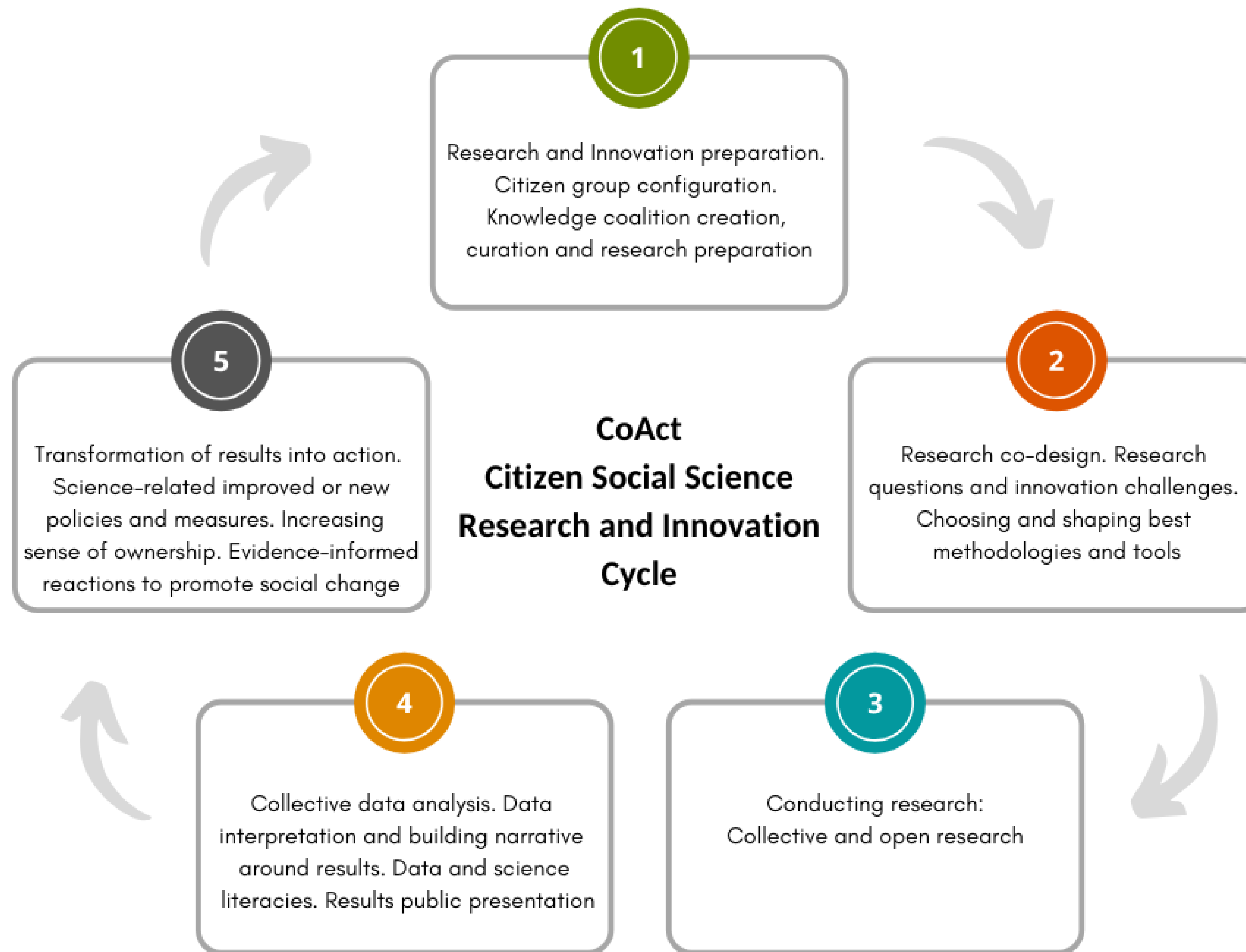
VS.

Co-creation & participatory approaches
(Citizen social sciences, AR, science shops)

Citizens' & CSOs' real-world problems + Scientist as co-designer and facilitator ▶ Shared, open, and reflexive research process

Senabre Hidalgo E., Perelló J., Becker F., Bonhoure I., Legris M., Cigarini A. (2021) Participation and Co-creation in Citizen Science. In: Vohland K. et al. (eds) The Science of Citizen Science. Springer, Cham. https://doi.org/10.1007/978-3-030-58278-4_11

CoAct
Citizen Social Science
Research and Innovation
Cycle

1 Research and Innovation preparation. Citizen group configuration. Knowledge coalition creation, curation and research preparation

2 Research co-design. Research questions and innovation challenges. Choosing and shaping best methodologies and tools

3 Conducting research: Collective and open research

4 Collective data analysis. Data interpretation and building narrative around results. Data and science literacies. Results public presentation

5 Transformation of results into action. Science-related improved or new policies and measures. Increasing sense of ownership. Evidence-informed reactions to promote social change

Co-Evaluation Steps

Adapted from https://civitas-sunrise.eu/

- co-design of evaluation strategy
- monitoring: tools for continuous observation and discussion
- interpretation: feedback cycles, adaptations, reporting and structured analysis
- valuation: assessing the value of the outcomes and lessons learned

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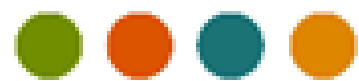
Thinking about the impact of research should be integral to any research, not an afterthought!
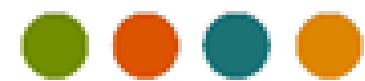
Co-Evaluation

- participatory evaluation
- initiating the conversation on expectations, objectives and impact already at the start of the project
- when the research design is co-created with different stakeholders OR
- when the participation of actors is negotiated
- involves participants in the decision on project goals and evaluation instruments

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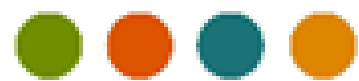
Co-Evaluation: Learning from Participatory Evaluation

- research process based on partnership
- between evaluators, actors of the research process, and those who put results into practice
- to determine the benefits and impact of a project
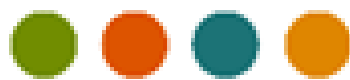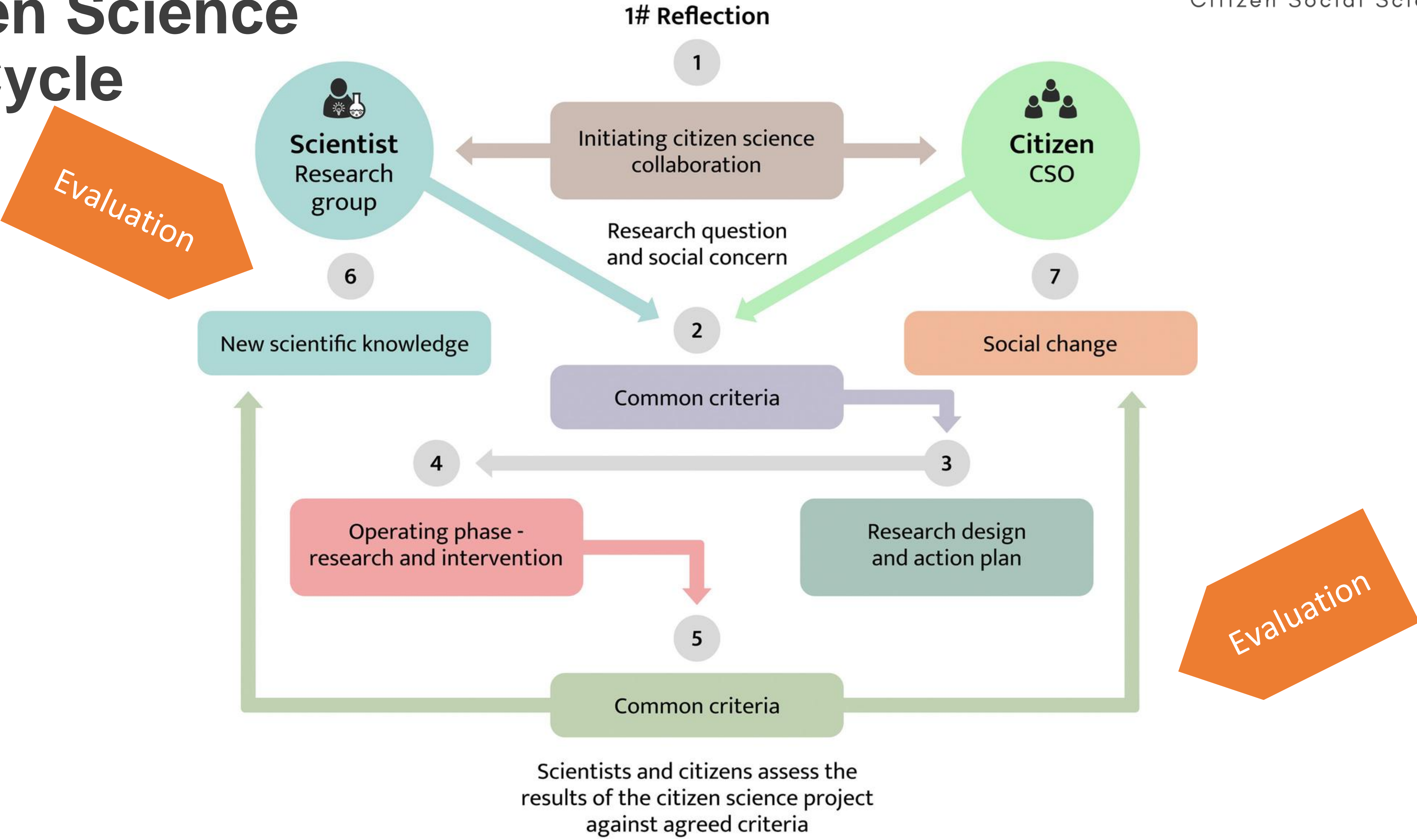- to initiate and facilitate learning
- focuses on the processes themselves

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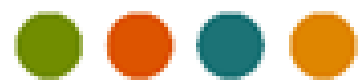
Co-Evaluation Principles

Participant ownership	Evaluation is oriented to the needs of the participants in an inclusive and balanced way. Participants take certain actions and responsibilities for project outcomes and their assessment.
Openness and reflexivity	Participants meet to communicate and negotiate to reach a consensus on evaluation results, solve problems, and make plans for the improvement of the project, evaluation approaches, and impact measures; input should be balanced and representation should be guaranteed for all involved stakeholders
Transformation	Emphasis is on identification of lessons learned, improvement of benefits and wellbeing, for all participants.
Flexibility	Co-evaluation design is flexible and determined (to the extent possible) during the group processes. The mix of formats and methods used should reflect the project aims and potentially empower marginalised perspectives.
Documentation and transparency	Whenever possible and ethically desirable, evaluation procedures should be documented and made accessible to participants, or even the wider public.
Timing	Co-evaluation has to start as early as possible, but latest during the negotiation of research questions and design of methodology.

Main characteristics of co-evaluation, adapted from (Patton, 2008)

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Evaluation Opportunities in the Citizen Science Research Cycle

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