

# CO-CHANGE PROJECT OVERVIEW

#COCHANGE2020



CO-create **CHANGE** in Research Funding and Performing



This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 873112.

# WHY CO-CHANGE?

**Our societies are currently facing major challenges that threaten democracies and even human life itself. Research and innovation provide tools to meet these challenges and to support change. Co-Change wants to inspire responsibility-oriented change in research performing and research funding organisations.**

Together, we are co-developing and implementing new practices regarding research ethics, open access, open science, stakeholder engagement, science education and gender equality. Our goals are to improve the transparency and accountability of research and innovation for social, ecological and economic sustainability.

The Co-Change Labs are spaces for experimentation, where we work to better address societal challenges. The lab teams produce customised tools to make research and innovation more responsible. Our cooperation partners operate as a network of research performing, and research funding organisations as well as various societal stakeholders.

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# THE HEART OF THE PROJECT: CO-CHANGE LABS



**We established 8 Co-Change Labs which are organisational spaces for building transformative capacity and leadership in the areas of RRI. They were built at research performing (RPO) and research funding organisations (RFO) and at universities.**

#01 **AIT**

Austrian Institute of Technology

RRI in machine learning  
and artificial intelligence

#03 **TECNALIA**

Fundación TECNALIA Research & Innovation

RRI in technological  
research

#05 **PL**

Council of Tampere Region

RRI in regional  
development

#07 **TUD**

Delft University of Technology

RRI in tackling global  
challenges of delta regions

#02 **VTT**

Technical Research Centre of Finland

RRI in research practices  
for new technology

#04 **WWTF**

Vienna Science and Technology Fund

RRI in funding  
guidelines

#06 **PFNS**

Faculty of Agriculture of the University of Novi Sad

RRI in science education,  
gender equality

#08 **NEN**

Royal Netherlands Standardization Institute

RRI in the standardisation  
process

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#01

**AIT CHANGE LAB**

Austria

The Change Lab of the Austrian Institute of Technology (AIT).

It focuses on chances and challenges of the application of machine learning and artificial intelligence.

The different ways of thinking about these technologies are being investigated in the Lab: the approach of IT researchers and that of social scientists.

Lab members are also working on raising awareness on the challenges and changing practices at their own institute and beyond.



#02

**TECNALIA CHANGE LAB**

Spain

Tecnalia is an applied research centre that aims to develop and strengthen institutional discourses of responsible innovation.

‘SHAPE Lab’ is working on the inclusion of RRI aspects into the organisation’s Technological Departments’ research and development projects and also on the implementation of RRI principles, which will contribute to the development of practices, policies and understanding of the RRI concept.



#03

**VTT CHANGE LAB**

Finland

‘RAAS Change Lab’ is a research, development and innovation ecosystem that assembles leading actors in autonomous systems in Finland and abroad.

RAAS is attaining change in responsibility and ethics awareness in general and integration of responsibility and ethics in activities related to artificial intelligence and in particular autonomous systems.

RAAS has been able to initiate several new projects related to different domains of autonomous systems.



#04

**PFNS CHANGE LAB**

Serbia

‘The RRizing Lab’ of the Faculty of Agriculture (PFNS) of the University of Novi Sad is working on the institutional implementation of the five RRI keys: science education, gender equality, public engagement, ethics and open access.

The keys are to be analyzed, promoted, monitored, and supported at the university.

Examples of good RRI practices shall be presented at the university level so as to also draw other faculties into debates.



#05

**TUD CHANGE LAB**

The Netherlands

The Co-Change Lab of the Convergence Resilience Delta focuses on tackling today's global societal challenges, especially climate change resilience in the delta regions. The Resilient Delta initiative works in an interdisciplinary way in the academic field, collaborating with societal partners to design resilience solutions for the real-world dynamics of our living lab, the Rotterdam delta. TU Delft is providing new RRI tools for the Convergence Resilience Delta which might both enhance the social desirability of their work, and allow them to more effectively address relevant societal challenges through their associated research and innovation.



#06

**NEN CHANGE LAB**

The Netherlands

The Royal Netherlands Standardization Institute (NEN) has initiated and started collaborations in various research projects to explore how standardisation can be developed and refined in order to integrate RRI.

They work together with Delft University of Technology to explore what factors can obstruct and increase the social responsibility of the standardisation process.



#07

**WWTF CHANGE LAB**

Austria

The Change Lab of The Vienna Science and Technology Fund (WWTF).

Goals of the Lab are the discussion of, experimentation with and implementation of RRI principles and practices in the funding guidelines and procedures.

The central challenge is to include RRI principles in the "Funding Guidelines" of the organisation which specifies funding instruments, funding criteria and selection procedures.



#08

**PL CHANGE LAB**

Finland

The Council of Tampere Region (CTR) Change Lab increases regional competencies on how to include elements of responsible innovation into innovation projects and funding.

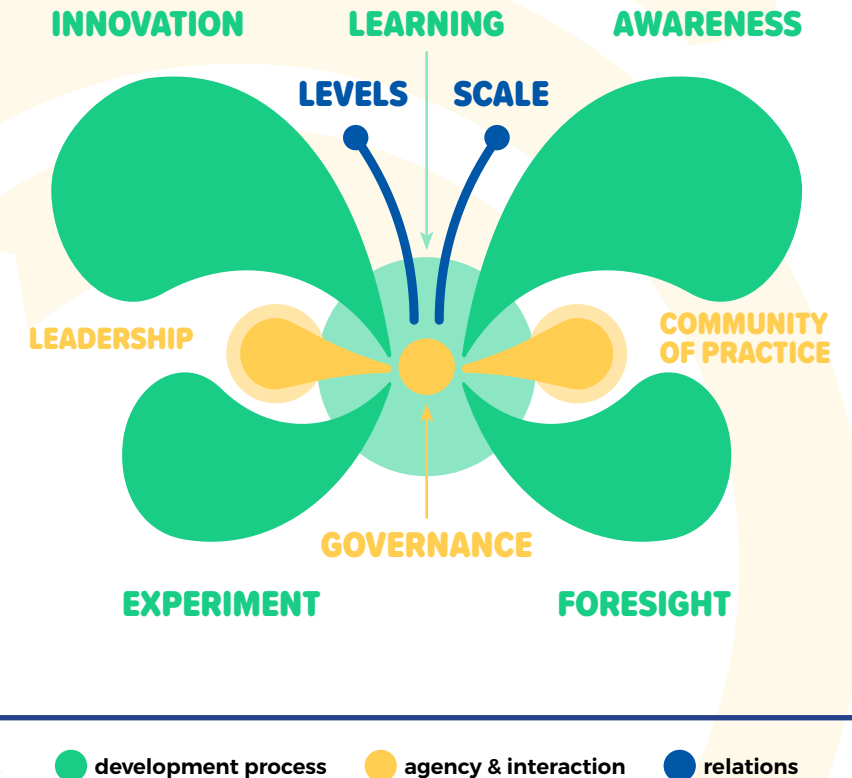
They develop understanding on how elements of RRI can be used in regional development and increase the awareness of responsibility of innovations in different groups and networks of innovation actors.

# HOW TO CO-CHANGE?

**The Co-Change platform supports the Labs in building capacity for sustainable transformation. The collective ability of all actors in an ecosystem to be aware of, to prepare for, initiate and actually perform change at organizational and system levels is the transformation, that enables responsible future development.**

Development work in and across the Labs attends to three main areas:

- » creating a community of practice with leadership and governance (→ agency and interaction)
- » working across levels and scales (→ relations) while observing the main RRI principles of anticipation, reflexivity, inclusion, responsiveness
- » moving along a learning cycle from initial awareness to future outlook, then experiments with promising pilots and eventually embedding these innovations as institutional changes (→ development processes).



# FUTURE VISION

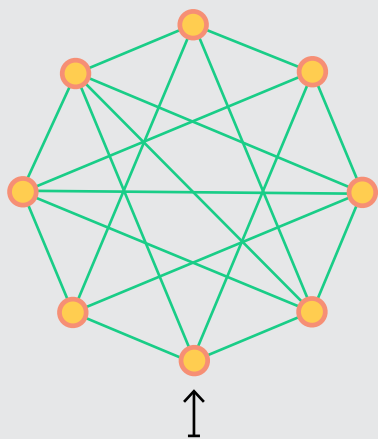
The Co-Change Labs jointly created future visions to which they may contribute with their institutional innovations. These visions are described with four theme groups linked to the topics of the Co-Change Labs: Biogenetics and Agriculture, Autonomous Systems and Vehicles, Digital Humanism, and Artificial Intelligence.

**Based on these visions each Co-Change Lab developed their own roadmaps. Starting from current challenges, they defined the milestones for the years 2023 - 2030 - 2035 with concrete objectives.**

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The project activates **change coalitions** around each Co-Change Lab, paying particular attention to interactions and dependencies of actors in each research and innovation ecosystem.



### CO-CHANGE NETWORK

Change labs  
Advisory board  
Sounding board  
International good practices

GOVERNMENT



UNIVERSITY



ECOSYSTEM ACTORS FROM  
THE QUADRUPLE HELIX

CHANGE COALITION

WITHIN RPO/RFO

gender expert  
research funding  
controlling  
business development  
others

CHANGE LAB

IN RPO/RFO

Co-lead

domain experts  
RRI experts from RPO/RFO partner org.

Change lab team

scientists  
engineers  
experts  
others

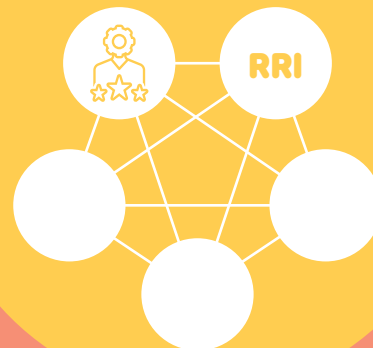
INDUSTRY



CIVIL SOCIETY



CHANGE LAB  
IN RPO/RFO





# OBJECTIVES



#01

**initiate and implement institutional changes** in the areas of research ethics, citizen engagement, gender equality, open access and science education



#02

**build change coalitions:** by implementing Co-Change Labs in their ecosystems, generate transformative capacity for change in terms of practices, procedures, rules and norms at the individual, organisational and system levels



#03

**co-create and test** RRI-related **practices** for institutional change in research funding and performing organisations within consortium member organisations and associated partner organisations



#04

**make the impact** of innovation **on society** a part of consortium member organisations' daily routines



#05

**align** both the project process and its outcomes **with the values, needs and expectations of society**

# CONSORTIUM AS A WHOLE

 **Austria, Estonia, Finland, Hungary, Italy, the Netherlands, Spain, Serbia**



## 8 PARTNERS

### 4 research performing organisations

Austrian Institute of Technology (AIT) - consortium leader  
Environmental Social Science Research Group (ESSRG)  
Fundación TECNALIA Research & Innovation  
Technical Research Centre of Finland (VTT)

### 2 universities

The Faculty of Agriculture of the University of Novi Sad (UNS)  
The Delft University of Technology (TU Delft)

### 2 research funding organisations

The Vienna Science and Technology Fund (WWTF)  
Council of Tampere Region (PL)



## ADVISORY BOARD

5 experts from industry, government, universities  
and research funding organisations - provide advice  
on engagement and dissemination



## SOUNDING BOARD

5 RRI experts - focuses on the cooperation with  
other RRI projects



## 6 ASSOCIATED PARTNERS

### 3 national research funding organisations

Academy of Finland  
Estonian Research Council  
Austrian Research Promotion Agency (FFG)

### 1 governmental partner

The Royal Netherlands Standardisation Organisation (NEN)

### 2 industrial partners

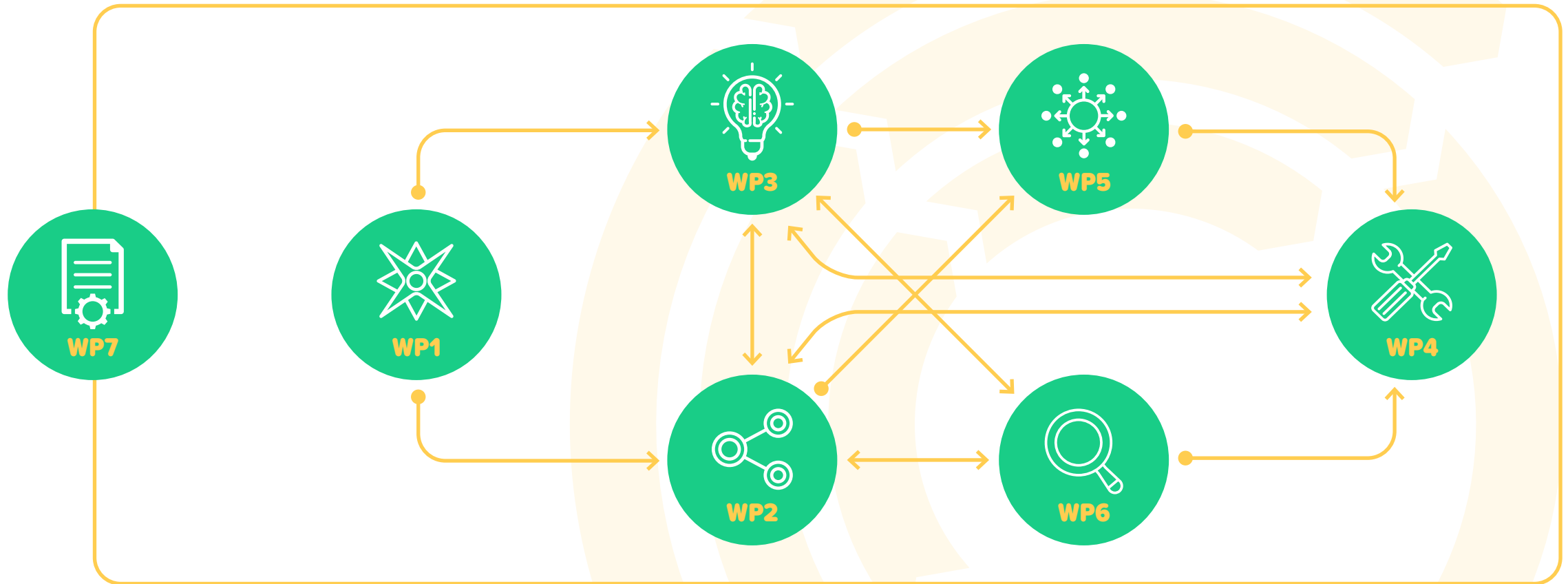
QiArrow  
Laboratori Archa

**The Co-Change project is coordinated by Dr. Peter Biegelbauer, Austrian Institute of Technology.**



# STRUCTURE

**WP1** Stocktaking   **WP2** Co-Change Platform   **WP3** Co-Change Labs   **WP4** Toolbox   **WP5** Dissemination   **WP6** Monitoring   **WP7** Project Management



# THE PROJECT IN NUMBERS

*Timeframe*

**1 February 2020 –  
31 January 2023**

*Budget*

**€ 1.498.833,75**

*Partners*

**8 partners**

*Coordinated by*

**Austrian Institute  
of Technology  
GmbH**

*H2020 grant  
agreement*

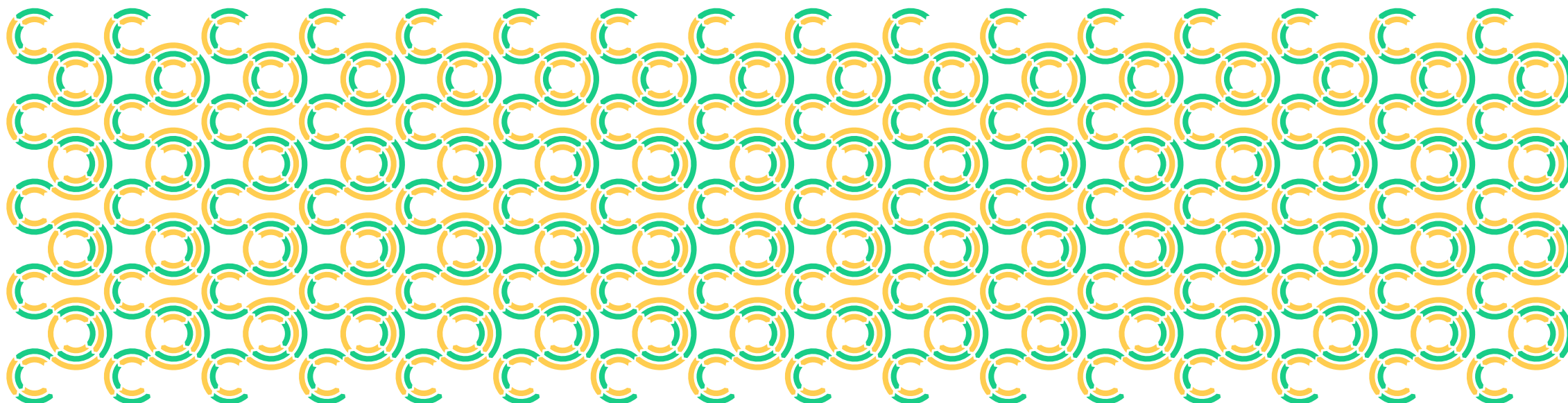
**No 873112.**

*Project*

*communication*

**ESSRG**

(Environmental Social  
Science Research Group)



[www.cochangeproject.eu](http://www.cochangeproject.eu)

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