



# Robotics4EU

Boosting Wider Adoption of Robotics in Europe

36 months

jan 2021 - dec 2023

ICT-46-2020

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101017283



Who we are?  
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# // Who we are?

// Robotics4EU is composed by **7 organisations from 6 EU countries** representing expertise in robotics in four application areas of the project and non-technological aspects of robotics.

// The consortium brings together multiple stakeholders from both public and private sector.

// The specific activities under the project will create the best complementary cooperation possible, by creating collaboration with the civil society and robotics community and strengthening robotics ecosystem capacities.



# The aim of Robotics4EU.

**Robotics4EU** will ensure a more widespread adoption of (AI based) robots in:

- Healthcare;
- Inspection and maintenance of infrastructure;
- Agri-food;
- And agile production.



How will we  
achieve it?

Through the **implementation of responsible robotics principles among the robotics community** that results in **societal acceptance of the robotics solutions in each application area.**

How?  
How?  
How?  
How?  
How?

We will create and empower  
the EU wide responsible  
robotics community by:



**Raising awareness** about non-technological aspects of robotics by organising community building and co-creation events bringing together the robotics community and citizens;



**Advocating** for responsible robotics among all stakeholder groups;



**Developing** a responsible robotics maturity assessment model and bringing the project results to the standardization bodies.

# The Challenges.

Emerging technologies have exponential benefits but also carry several risks and uncertainties.

Robotics4EU will focus on two core challenges:

1. **Reducing the barriers** that prevent a more widespread adoption of robotics in our 4 application areas;
2. **Addressing user needs** safety, ethical, gender, legal, societal and economic aspects, privacy and cybersecurity.



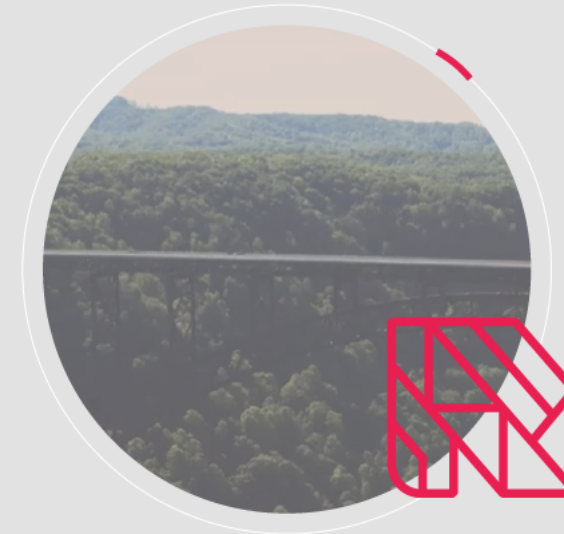


# The focus areas #1.



## Healthcare

Research and innovation in the area of healthcare robotics has seen a significant growth in recent years. Due to demographic changes in many countries healthcare systems will come under increasing pressure as they deliver healthcare to an aging population.



## Inspection and maintenance of infrastructure

Over the next decade, intelligent robotic technologies will have a significant impact on transforming smart infrastructure, inspection and maintenance.

# The focus areas #2.



## Agri-food

The agri-food sector needs to drive productivity, contribute to tackling climate change, address migration, urbanisation and population aging.



## Agile production

Traditional manufacturing was never agile. These days, manufacturing businesses need to react much quicker to changes in the market than they have ever done before and the only way to achieve this is by being agile.

# Our activities

01.

Assessing the needs and developing a responsible robotics maturity assessment model that is a practical tool for the robotics developers and helps them to strategically plan the uptake of the legal, societal and ethical aspects of robotics;

02.

Empowering the robotics community by organising capacity building events in the four focus areas;

03.

Ensure citizen acceptance of robotics and assessing robotics ideas and applications provided by the industry with end users;

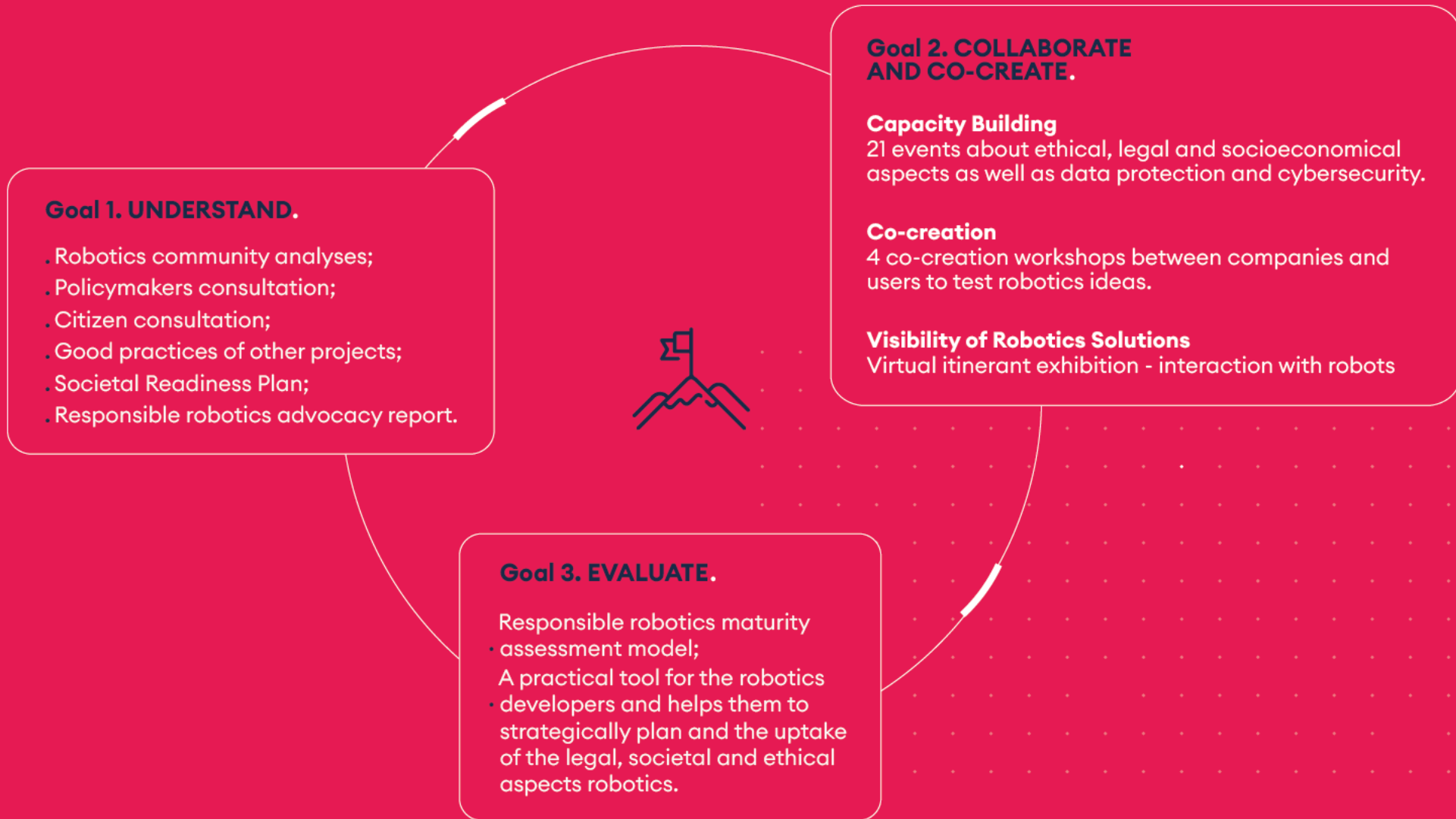
# Our activities

04.

Reaching out to the policy makers by compiling a responsible robotics advocacy report and organising a high level policy debate;

05.

Integrating AI4EU and Robotics4EU platforms that enable access to technological and non-technological tools and ensure high visibility and added value to end users from robotics community.

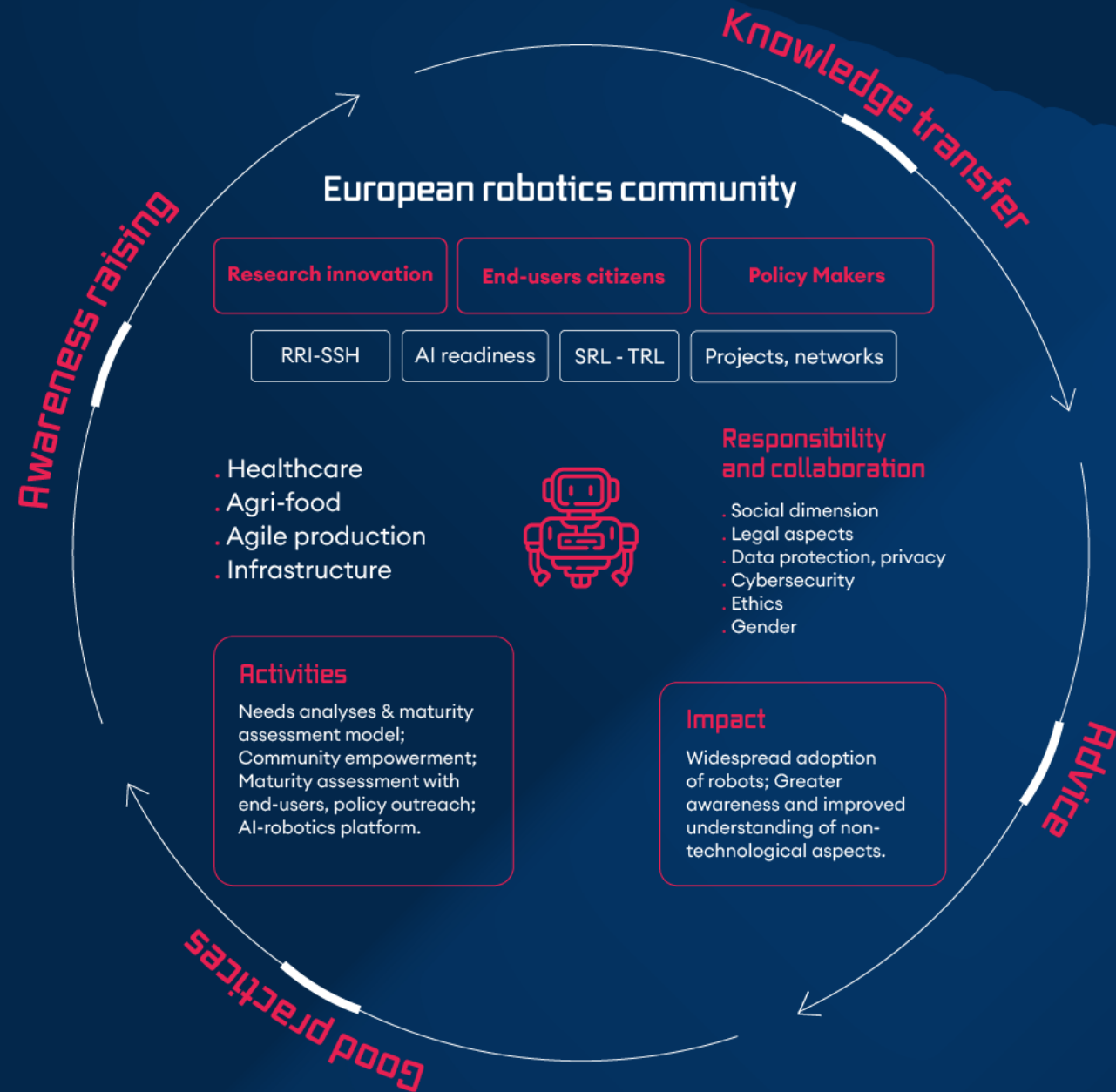


# To Whom

- Robotics Community
  - Industry and Researchers;
- Citizens;
- Policy makers.



# Project Overview



thank  
you



# consortium

CIVITTA

robotex  
International

LOBA®

LABORATOIRE  
NATIONAL  
DE MÉTROLOGIE  
ET D'ESSAIS **LNE**



AgriFood **DIH**  
Lithuania

 **NTNU**  
Norwegian University of  
Science and Technology

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@robotics4eu



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