



**SOCIETAL ENGAGEMENT  
WITH KEY ENABLING TECHNOLOGIES**

### **Sharing transformations induced by KETs, and developing value through co-creation**

Key enabling technologies are defined as knowledge and capital- intensive technologies, pervasive and with a systemic relevance for all industrial and economic sectors. They are expected to have an impact in creating high quality jobs, improving people's lives and supporting sustainable development. They have the potential to transform existing modes of production, and thus change relationships along all the value chain of product development, from manufacturers, to suppliers, business, users, policy makers, and citizens and society.

Co-creation, as a form of collaborative innovation aiming to the joint development of new value, could help to shape KETs-based innovation toward the needs of all stakeholders and for the benefit of society.

### **Technology, stakeholders and citizens**

SocKETs involves six European partners with the aim to test and develop methods and tools to align the development of innovations based on Key Enabling Technologies with societal values and needs.

The project will facilitate co-creation amongst industry representatives, researchers, authorities and policy makers, end-users, civil society representatives and citizens, with the final goal to develop innovative ideas for KET-s based innovation, and make available a toolbox with good practices and methods for co- creation, and showcase a set of living exhibitions that enables technologies to be developed in dialogue with citizens and society.

### **Six test cases on industrial automation, circular economy and e-health**

SocKETs is realizing six test cases across Europe, coordinated by SocKETs partners with their local networks, and focusing on the application of key enabling technologies toward a diversity of innovation and societal challenges:

- Circular by design processes for the re-use and recycling of materials, toward sustainable consumption and production (Italy, Estonia)
- Electronic health applications (Denmark, Bulgaria, Serbia)
- Industrial Automation systems, toward decent work and better industry, innovation and infrastructures (Spain)

We will run a series of co-creation activities, experimenting different forms and ways of interaction between stakeholders and citizens to explore priorities, expectations, concerns on R&I in the fields of the case studies, developing and co-creating product, design suggestions and shaping social-innovation strategies responsive to societal needs and challenges.

When working with co-creation, in SocKETs we explore and take into account the socio economic and cultural contexts in which the case studies are taking places, that play a key role in how stakeholder collaborate and the way innovation are developed.

### **Free co-creation tools: good practices, and methods**

We will experiment co-creation practices and tools, develop prototypes, evaluate and use the experiences of the case studies to make an online toolbox with inspiration for more dialogue and linkages between technology development and societal needs, to make co-creation more widely used.

## Interactive exhibitions at European science centres

The results and work process of SocKETs will be showcased through living exhibitions displayed in science museums in at least four European countries. This exhibition will be based on a two-way dialogue where viewers can interact and engage with the KETs based solution devised in the project.

## Ambition

The project partners believes that its participatory and interactive approach will contribute in enhancing public understanding of cutting-edge technologies and their diverse applications; and it will demonstrate how to engage citizens in dialogue and co-creation on priorities, expectations and concerns for realising the potential of KETs for societal benefit.

## Partners

- DBT, Danish Board of Technology, DK
- DTI, Danish Technological Institute, DK
- Airi, Italian Association for Industrial Research, IT
- Tecnalia, Fundacion Tecnalia Research & Innovation, ES
- VU, Vrije Universiteit Amsterdam, NL
- ECSITE; The European Network of Science Centres and Museums, BE  
(Third parties)
- CRA - The Centre for Research and Analysis, BG
- AHHA, Science Centre, EE
- CPN, Centre for the Promotion of Science, RS.
- MUST, Museo Nazionale della Scienza e della Tecnologia Leonardo da Vinci, IT

## More information

[sockets-cocreation.eu](https://sockets-cocreation.eu) (under construction)



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