

Webinar *The role of universities in fostering high quality citizen science*

UNICA network of universities from the Capitals of Europe

Thursday, 24 September 2020

**Citizen science:**

opening science, learning with society,  
sharing knowledge for democracy and sustainability

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History, Territories and Communities



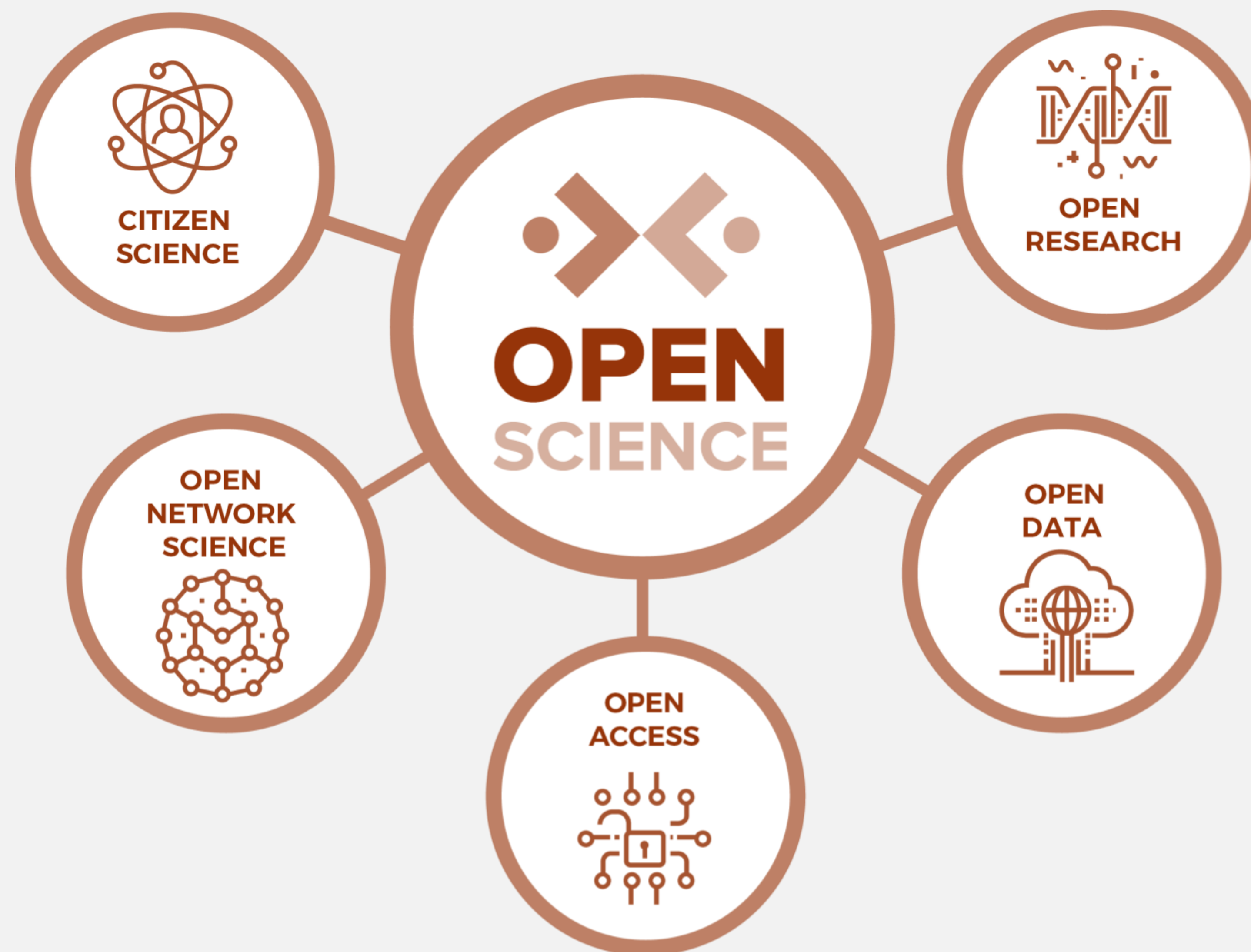
# What's new about citizen science?

Citizen Science is not a new thing ...  
what is new is the way we look at it

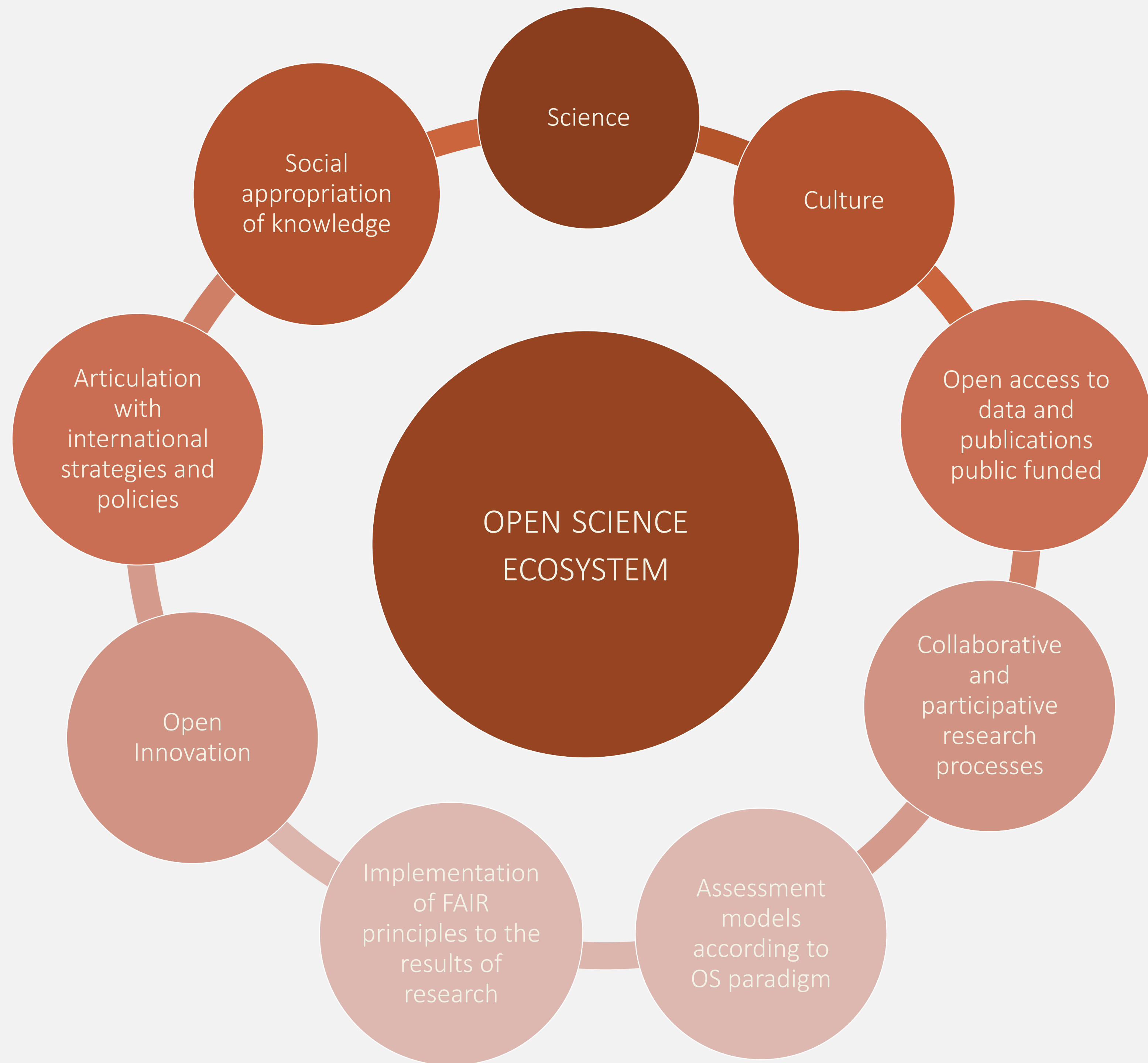
The approach and attention that the scientific and, above all, academic community, and policy makers, among other actors, increasingly grant to citizen science means in some way that the trust, transparency and relevance of science increase when carried out in relation to society and above all, they perceive the ability to stimulate involvement as a way of bringing communities together, creating environments conducive to social, scientific, economic and cultural innovation.

There is a growing recognition that the ability to develop research and the knowledge share, which results from it, is fundamental to social development and to strengthen policies based in scientific evidence.

Open science make scientific research, data and dissemination accessible to all levels of an inquiring society.



# Open science



**Stephen Hawking** hopes that giving free access to his early work will inspire others, not just to think and learn but to share research.

“By making my PhD thesis open access, I hope to inspire people around the world to look up at the stars and not down at their feet; to wonder about our place in the universe and to try and make sense of the cosmos.



## SCIENCE AND SOCIETY

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Knowledge gains value when it is shared and disseminated, when it is created collaboratively between science and society.

01

### Citizenship

Scientific citizenship and civic citizenship  
Citizen-scientist and scientist-citizen

02

### Co-creation

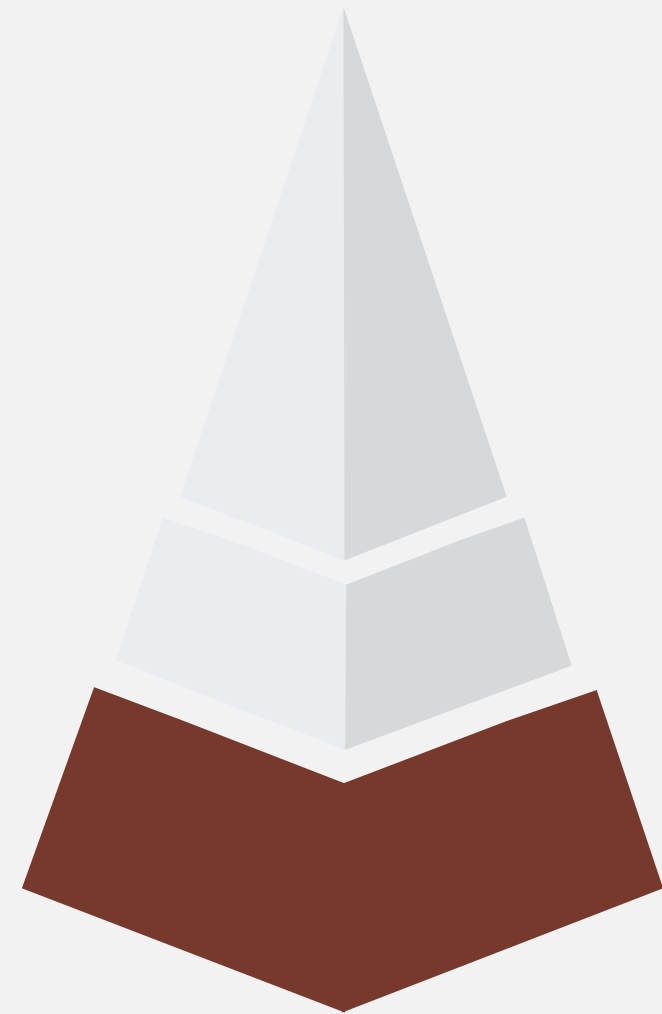
Effective involvement of society / citizens in the knowledge creation process.

03

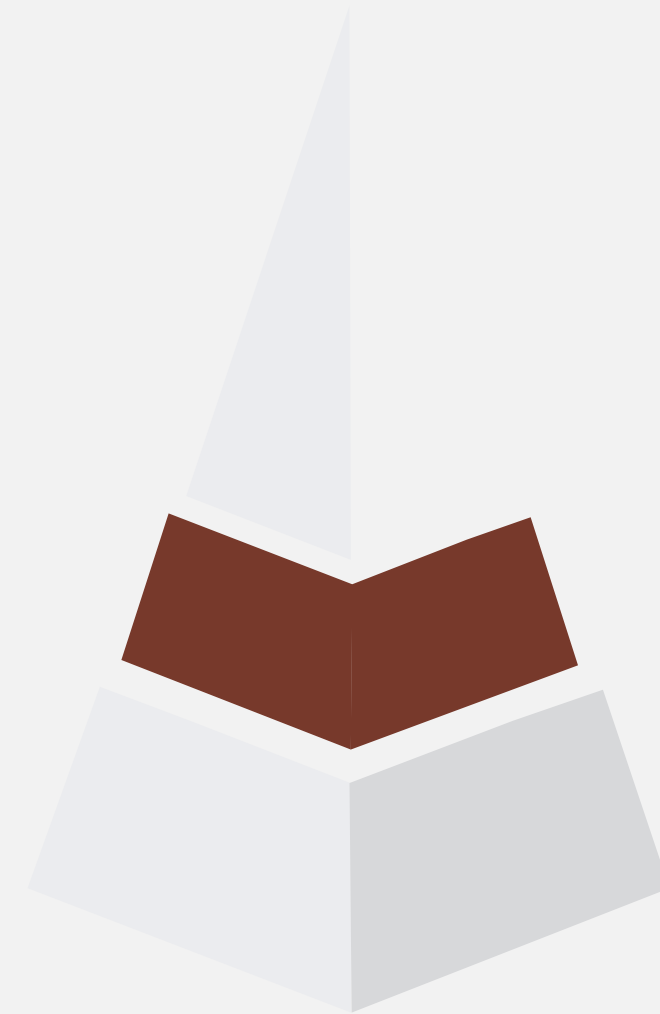
### Appropriation

Effective integration of knowledge in society and the economy.  
Knowledge-based society.

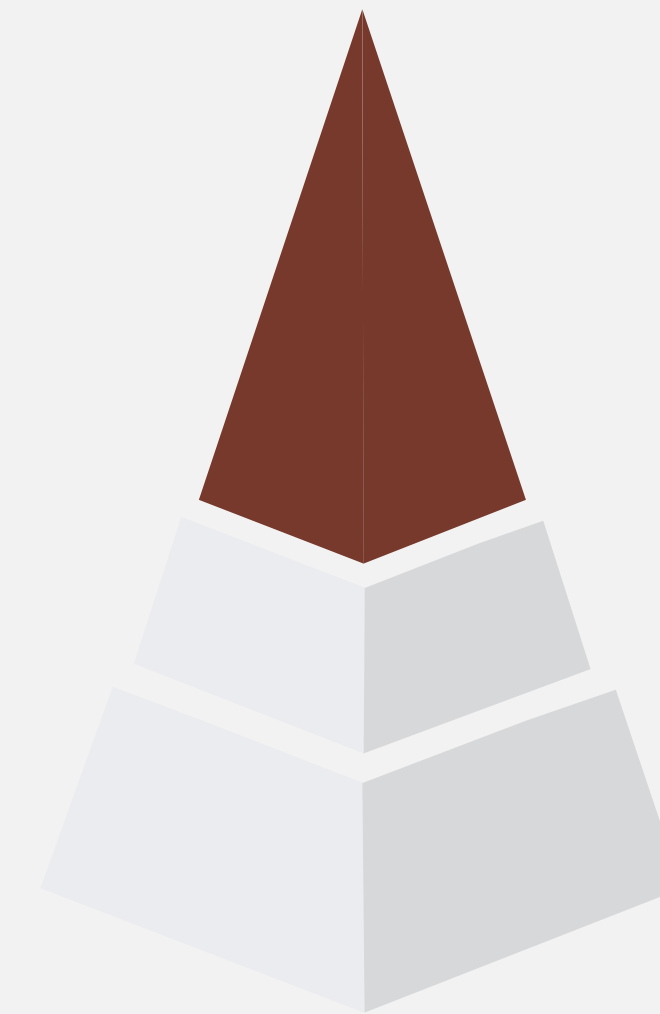
# Collaborative knowledge



 Access

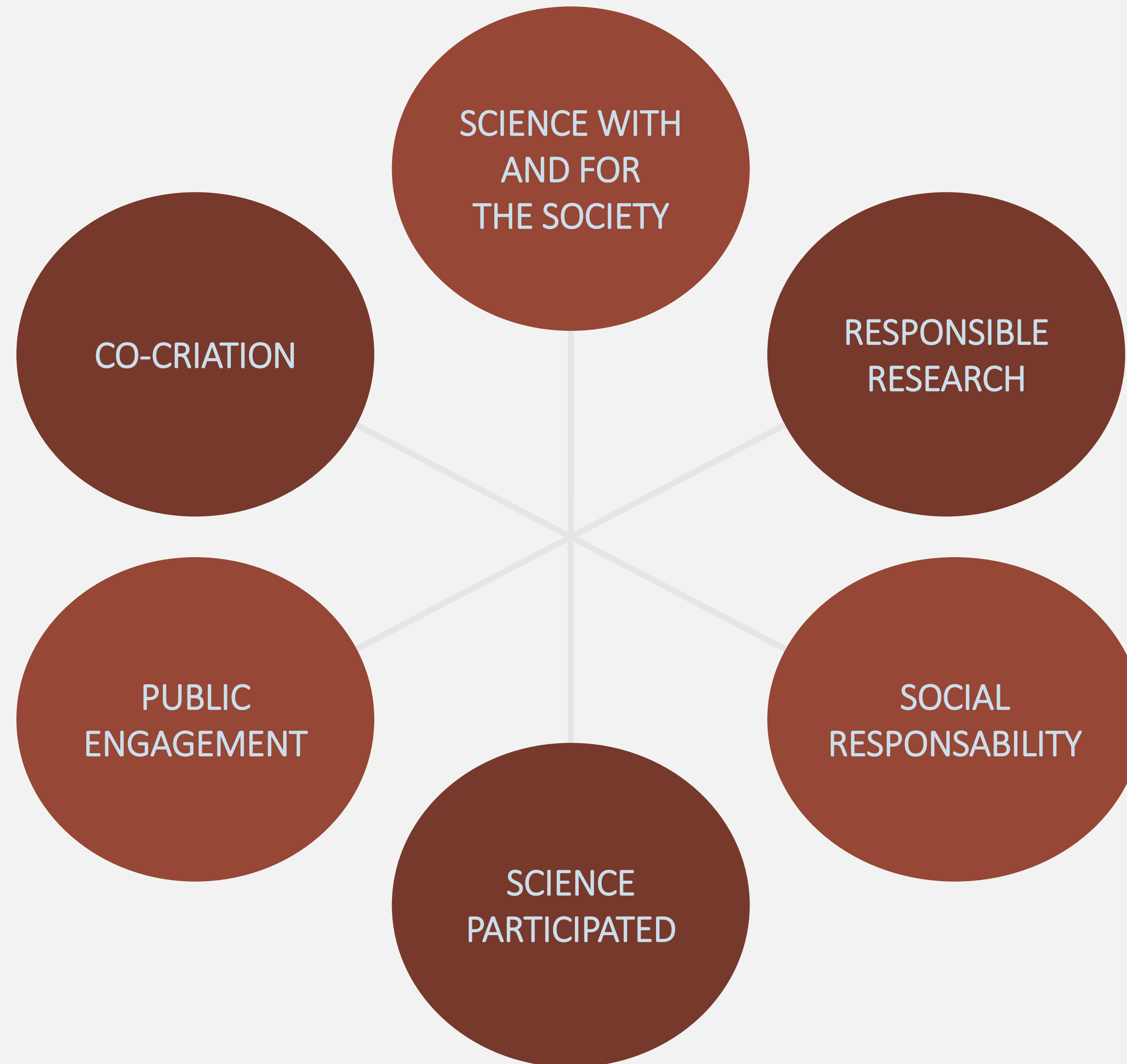


 Co-creation



 Sharing Knowledge

# Concepts



# Paradigm of citizen involvement in science



**01**

Citizens as passive  
observers

**02**

“Public  
understanding of  
science”;

Literacy

**03**

Public  
engagement;  
Crowdsourcing;  
Consultative  
processes

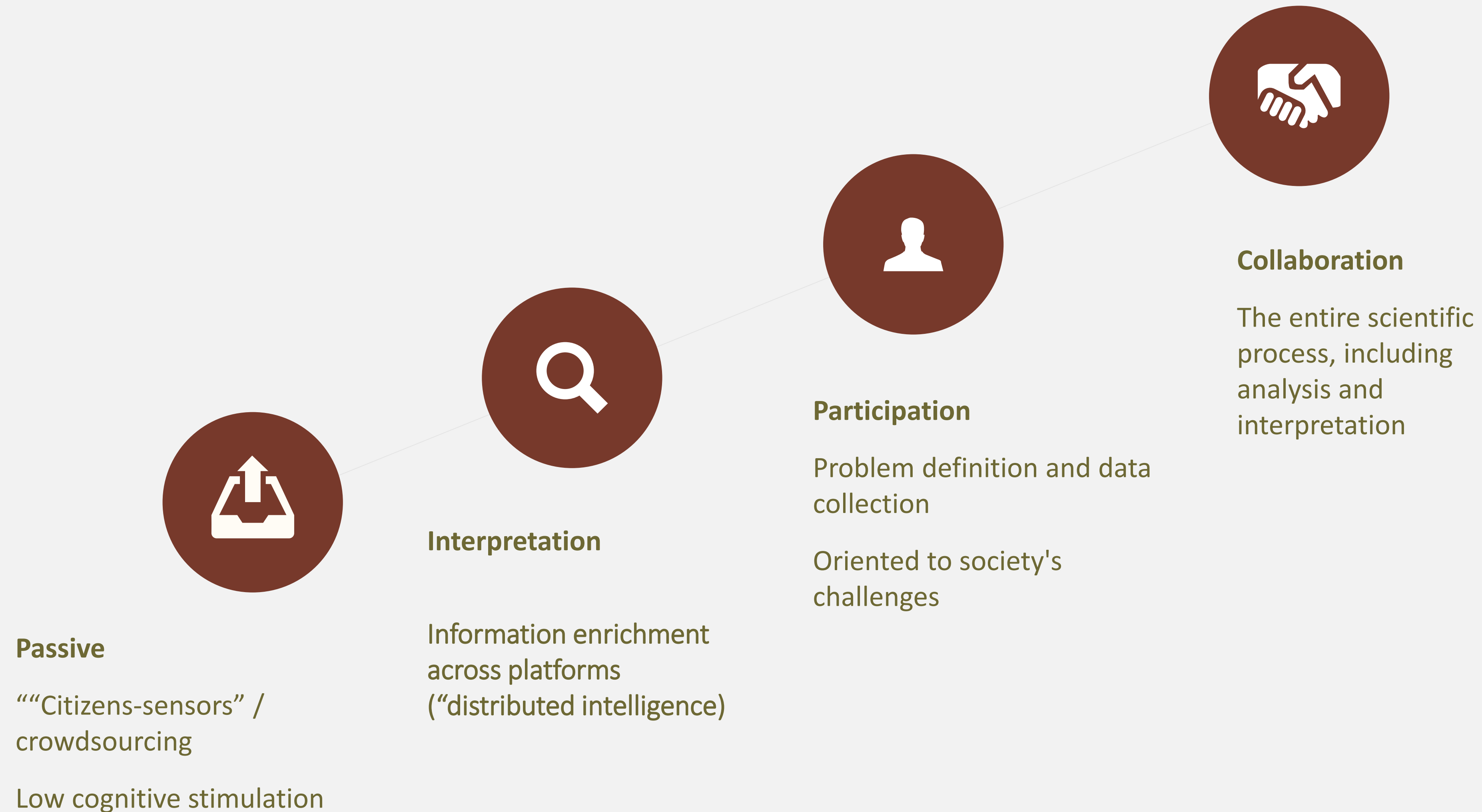
**04**

Responsible research  
and Innovation;  
Citizen Science;  
Participated Science;  
Community basis

**05**

Appropriation of  
Knowledge; Science with  
and for society

# Levels / models of participation



# Some concerns

## Conceptual instability

Everything is Citizen Science  
Self perception  
Scientific recognition  
Scarce theoretical  
development

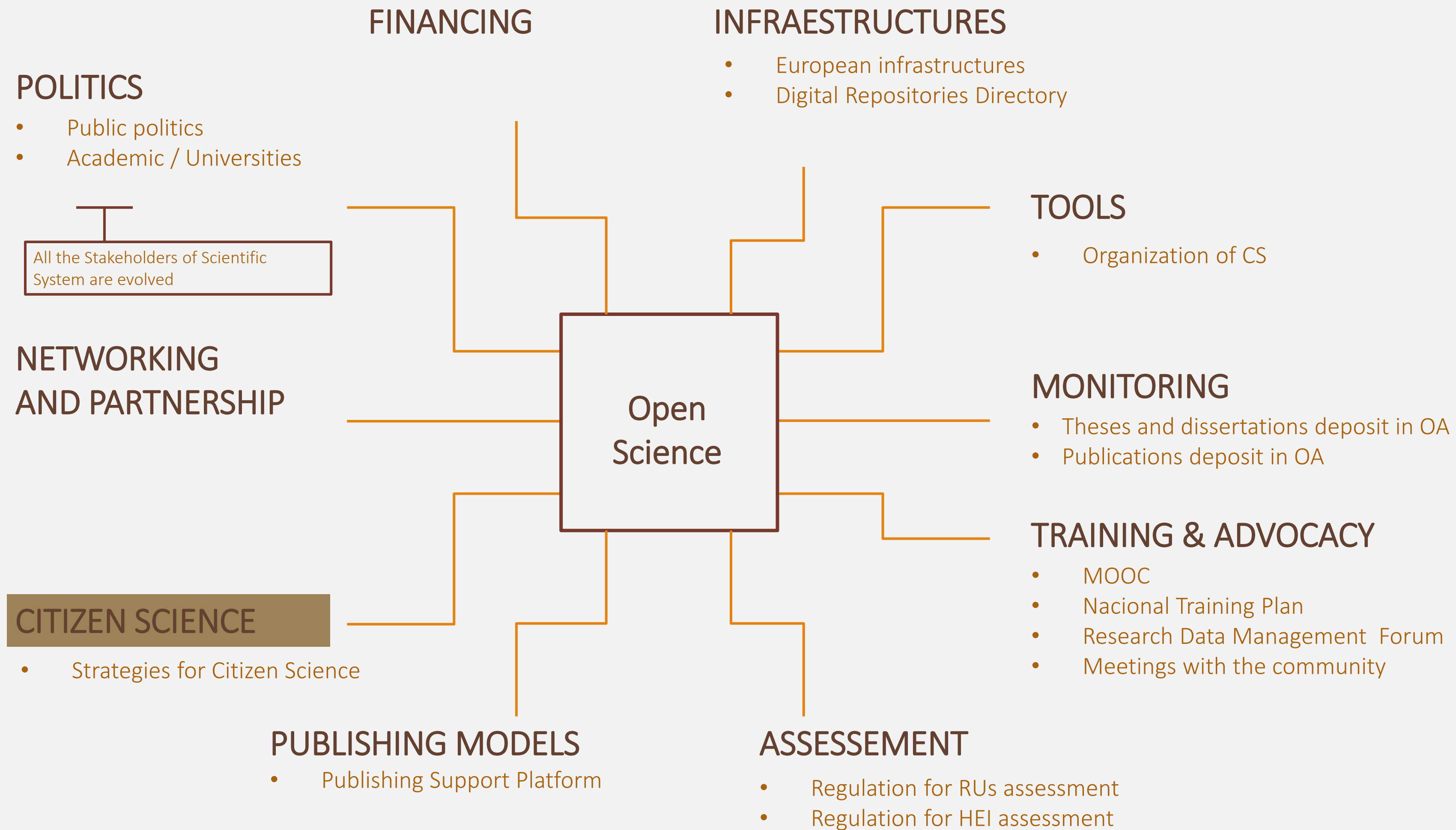
## Instrumentalization of citizens

Information / data providers  
Low intellectual / cognitive  
stimulation  
Intellectual property  
Qualifications / skills gap

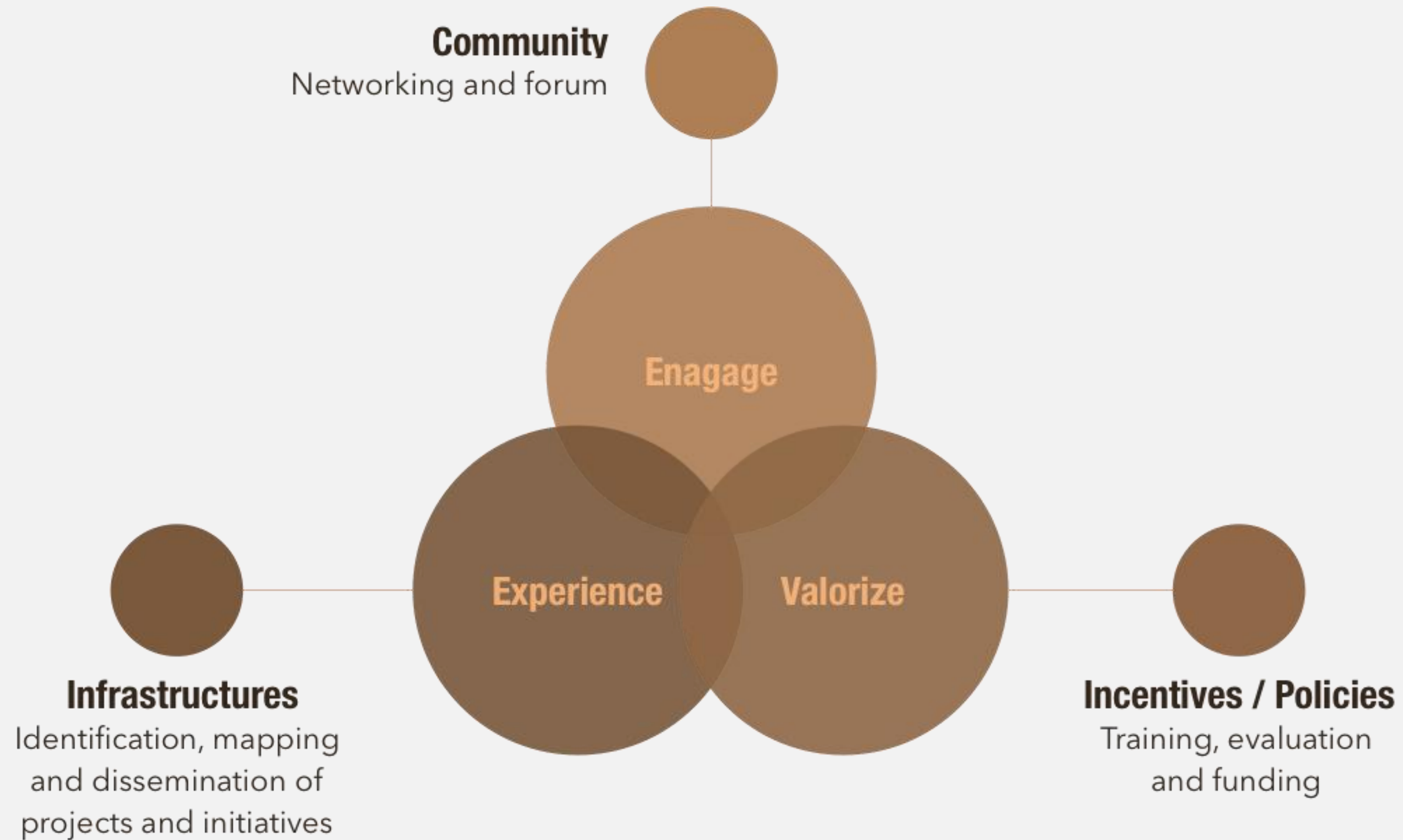
## Research data management

Interoperability  
Semantics  
Transparency  
Reproducibility  
Preservation





# Citizen science







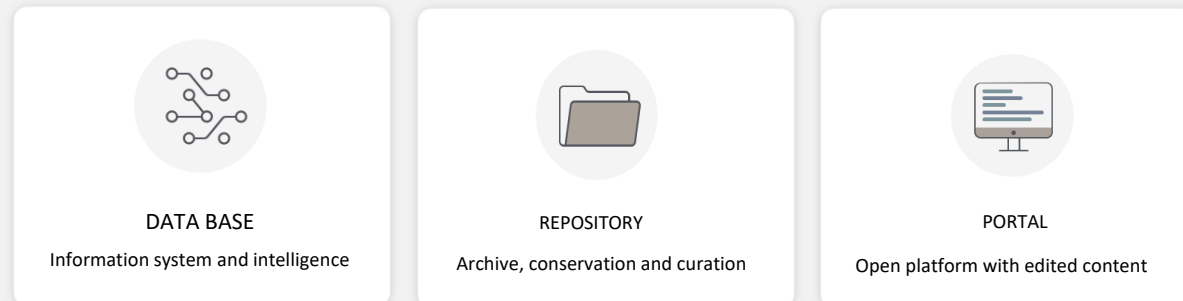
www.memoriaparatodos.pt

# MEMÓRIA PARA TODOS MEMORY FOR ALL

Collaborative research and education programme dedicated to studying, organizing and sharing Portugal's historical, cultural and technological heritage.

## GOALS

- ▶ Raising awareness towards the importance of memory and heritage in **community building** and human development;
- ▶ Summoning all citizens to share their individual and family stories, **contributing to a common good**;
- ▶ Producing and sharing knowledge and creating new sources for research;
- ▶ Fostering new social dynamics for memory construction, as a key element for the definition of identity;
- ▶ Assuring digital content curation and validation.



## TEAM



Professor Fernanda Rollo



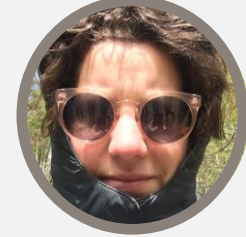
Professor Helena Freitas



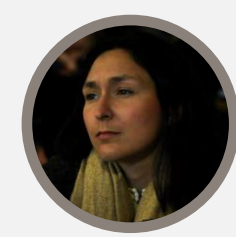
Inês Queiroz



Filipe Silva



Inês Castaño



Luísa Seixas

**Memories of the 1st Republic**  
Collection of oral testimonies, documents and objects related to the instauration of the Portuguese Republic (1910).



2012-2014

**Memories of the Revolution**  
Following the 40 of the 1974's Revolution, Collection Days and other events were organised.



2015 and on

**Memories of Freedom and Resistance**  
Recording oral testimonies and memorabilia related to the fight for democracy and incarceration experiences.



2016

**Memories of the Ollaio Factory**  
Collection of oral testimonies related to the work conditions and design development at Fábrica Ollaio.



2017

**Memories of the Opera**  
Together with the TNSC the project registers oral testimonies, documents and objects related to the History of Opera music in Portugal.



2018

**Cortadoria Nacional de Pêlo**  
Studying, organising and sharing the 75 years of this unique industrial unit in Portugal, including the memories from workers.



2019

**Portuguese Emigration Communities**  
Celebrating the 25th anniversary of the DGACCP\* will record, organise and study the oral testimonies, documents and objects related to the Portuguese emigration from 1950s onwards.



2019/2020

2010



**Memories of WWI**  
First Collection days to be held in Portugal and creation of the platform [www.portugal1914.org](http://www.portugal1914.org).

2014



**Memories of the Avenues**  
Recording oral testimonies and memorabilia on the History of this Avenidas Novas (Lisbon), together with a group of local citizens and institutions.

2016 and on



**Memories of the Police**  
Collaborating with the Police Museum, the *Dias das Memória* (collection days) took place.

2016



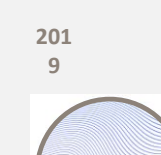
**São Domingos de Benfica**  
The collected content gave way to an exhibition integrating the oral testimonies and memories of those living in this urban area (Lisbon).

2018



**Lagoa de Óbidos**  
Collection days to gather content from the communities living and working around the Óbidos Lagoon.

2019



**Portuguese Villages**  
Recording memories and memorabilia related to the life at Talhas, Paradela and Rio de Onor.

2019



**Gorongosa**  
Recording oral testimonies from the communities living and working around the National Park of Gorongosa (Mozambique) celebrating its 100<sup>th</sup> anniversary (1920-2020).

## PRINCIPLES

- ▶ Mapping, knowing, organizing and keeping tangible and intangible heritage;
- ▶ Promoting public engagement and **collaboration** in knowledge production;
- ▶ Granting access to information following the FAIR norms;
- ▶ Promoting open science and **democratic access to knowledge in its different stages of production and accessibility.**



+ INFO

For more information contact us at: [participe@memoriaparatodos.pt](mailto:participe@memoriaparatodos.pt)

The Programme is developed by Centro República and the Institute of Contemporary History at the NOVA FCSH  
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# Thank you

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