



**ecs**

european  
citizen  
science

# Citizen science in the dialogue between science and society

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The European Citizen Science (ECS) project has received funding from the European Union's Horizon Europe Framework Programmes for Research and Innovation under grant agreement No. 101058509.

# Is citizen science a new paradigm for science communication?

# Is citizen science something more powerful?

Magalhães J, Leguina L, Elorza A, Lacunza I, Luís C, Navalhas I, Pelacho M, Giardullo P, Citarella MA, Tola E, Arias R. NEWSERA Policy Brief 2. (D5.4), <https://doi.org/10.5281/zenodo.7752561>

# Science

and how it has changed

# Communication

and how it has changed

# Science

and how it has changed

## What is science

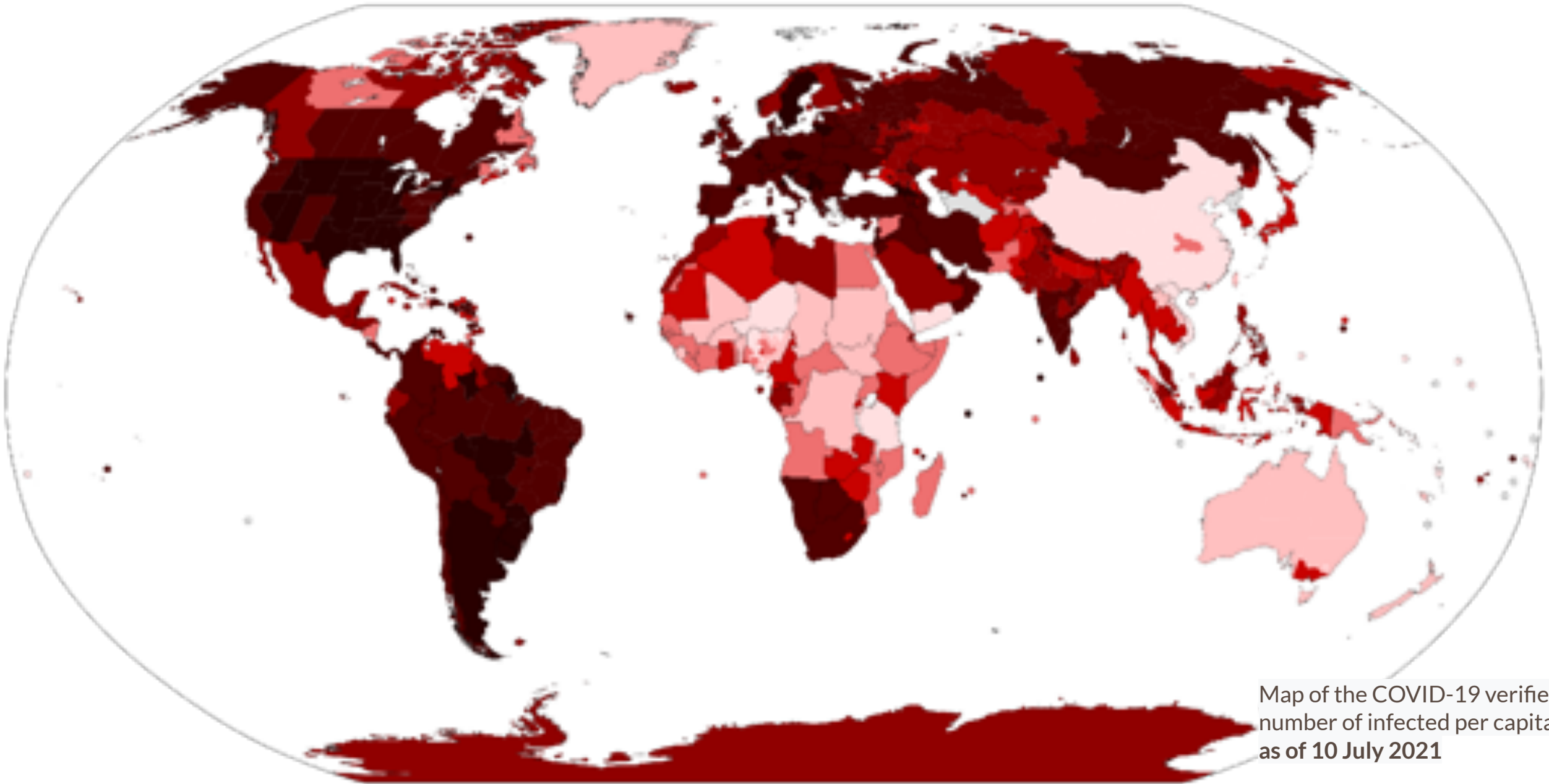


Science is the **pursuit** and application of knowledge and understanding of the **natural** and **social** worlds following a systematic methodology based on evidence.

British Council, <https://sciencecouncil.org/about-science/our-definition-of-science>

# climate emergency



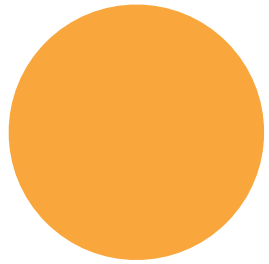


Map of the COVID-19 verified number of infected per capita as of 10 July 2021

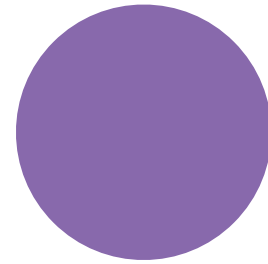
# artificial intelligence

## Getting Started with Auto-GPT

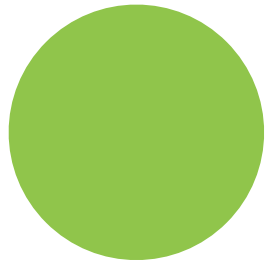
# Common features



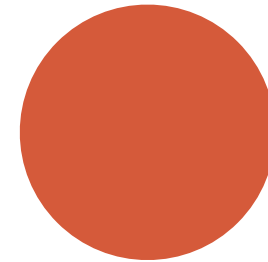
**interdisciplinary**



**complex**



**multidisciplinary**



**uncertain**



# Communication

and how it has changed

## What is science communication

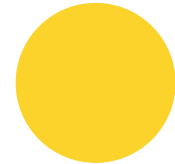


Everything that has an **effect**, change or benefit to the economy, society, culture, public policy or services, health, the environment or quality of life **beyond academia**.

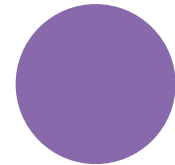
London School of Economics – Public Policy Group | [https://issuu.com/amymollett/docs/phds\\_preparing\\_for\\_impact\\_final](https://issuu.com/amymollett/docs/phds_preparing_for_impact_final)



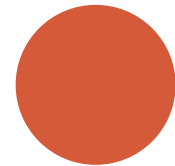
# deficit model



**top-down**



**public ignorance and  
technical education**

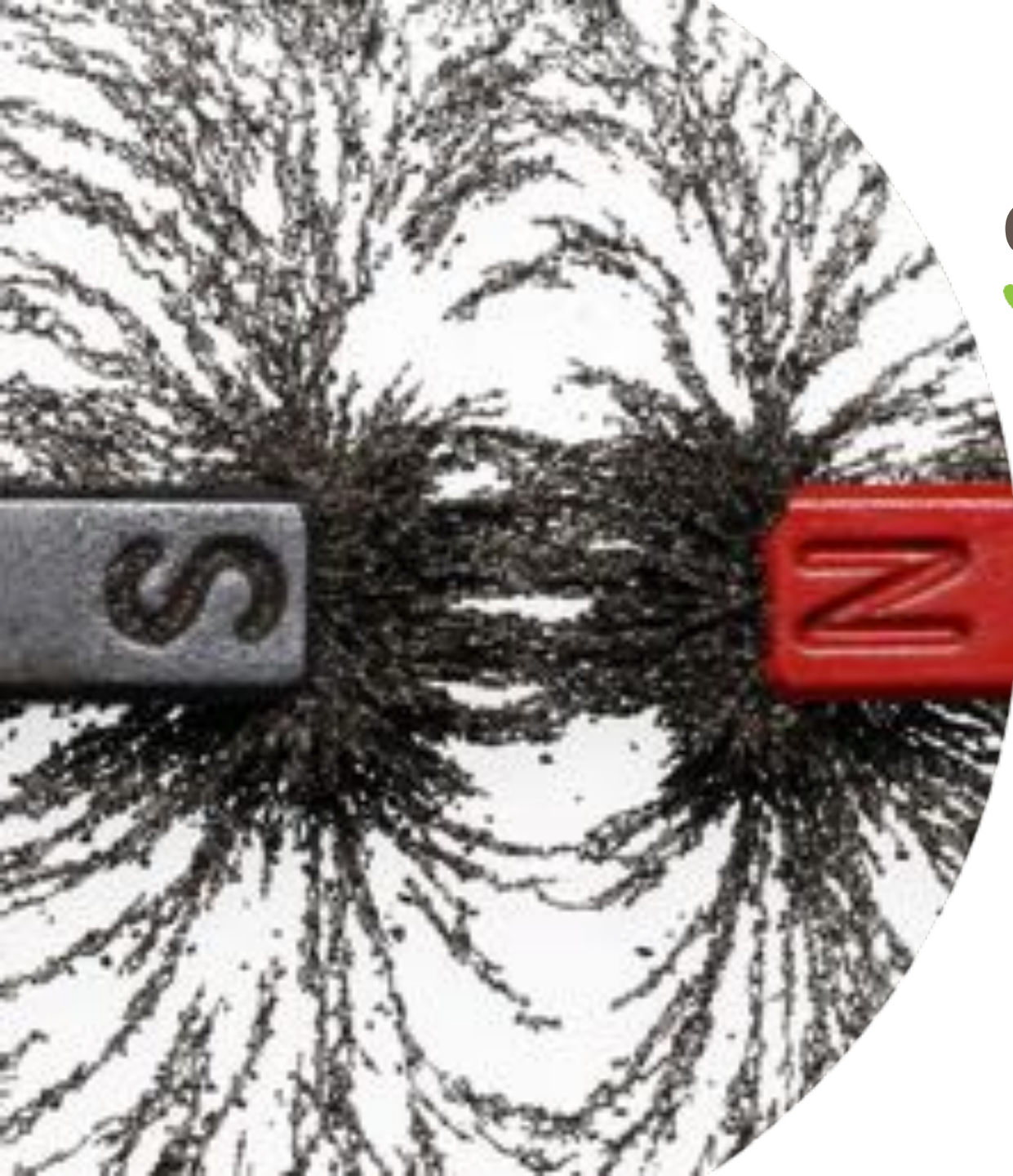


**science-led, science  
and politics kept apart**

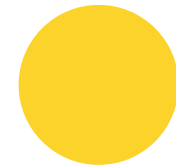


**transferring knowledge**

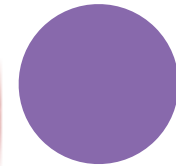




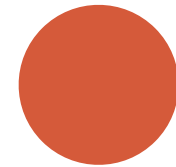
# dialogue model



**two-way**



**dialogue, engagement,  
transparency, trust**

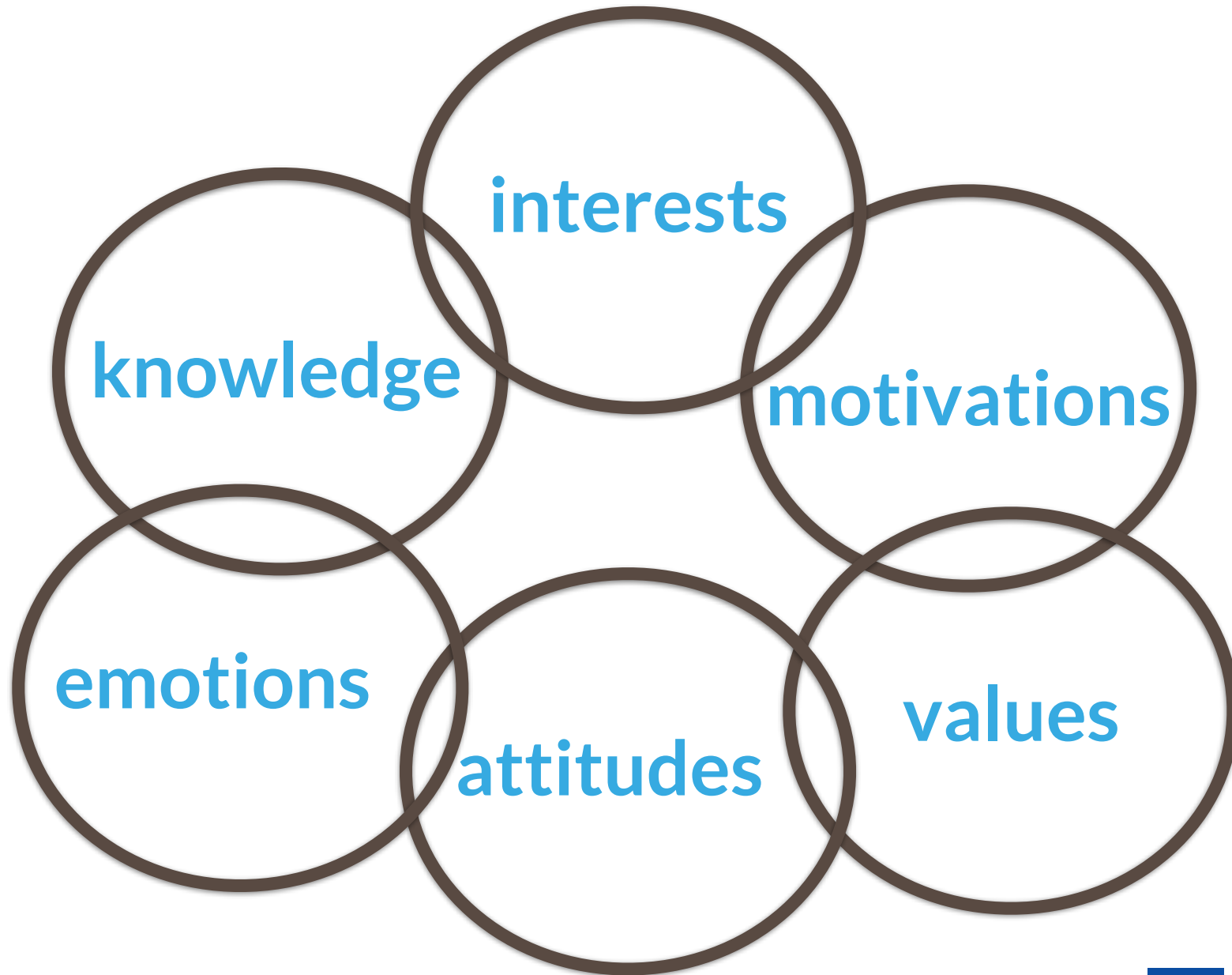


**establishing broad  
societal consensus**



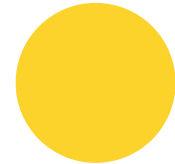
**discussing implications of research**



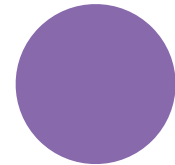




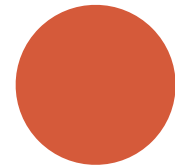
# participative model



**multiple stakeholders,  
multiple frameworks**



**direction, quality and need for  
sociotechnical change**



**heterogeneity, conditionality and  
disagreement as a societal resource**



**setting the aims, shaping the agenda  
of research**



# citizen science

is any activity that involves the public in scientific research and thus has the potential to bring together science, policy makers, and society as a whole in an impactful way.

## EU-Citizen.Science

# citizen science

creates a world where people are  
**empowered** to make a positive change  
through science.

**makes science and research open, accessible  
and valuable for everyone.**

# citizen science and participation



## build trust

“setting the aims,  
shaping the agenda of  
research



## create knowledge

“both in science and  
society



## build connections

“multiple stakeholders,  
multiple frameworks



## create long lasting bonds

“working together



# citizen science promotes change



**in science**

“more open and democratic”



**in society**

“more aware and better prepared”



# communication is key



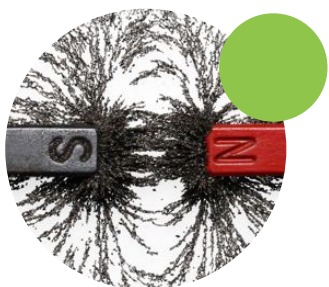
## 95% of citizen science is communication

“Communication is a vital aspect of citizen science. It is a necessary part of the process of recruiting, engaging and keeping participants motivated.”

Veeckman, C., Talboom, S., Gijssels, L., Devoghel, H., Duerinckx, A. (2019).  
Communication in Citizen Science. A practical guide to communication and engagement in citizen science. SCIVIL, Leuven, Belgium.



# training and capacity building in communication



**draw from the experience in science  
communication**

“Move from the deficit model approach to a real  
dialogue and participative model”

# calls to action



european citizen science



The European Citizen Science (ECS) project has received funding from the European Union's Horizon Europe Framework Programme for Research and Innovation under grant agreement No. 101058509.

# call to action 1

## join the fishbowl



take part in the discussion after the presentations



# call to action 2

## join ECSCA



**A globally connected, inclusive and strong citizen science community for societal change in Europe.**





European  
Citizen Science  
Association

**become a member**

**join the working groups**

**subscribe to the newsletter**

**follow us**



@EuCitSci



@ECSAcommunity

<https://ecsa.ngo/>



# call to action 3

## Join the European Citizen Science project



### ECS goal

**Widening and strengthening the European citizen science community through capacity building and awareness**







**ecs**

europa  
citizen  
science

**join and explore eu-citizen.science**

**take part in the co-design sessions**

**follow us**



@EUCitSciProject

<https://eu-citizen.science/>



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