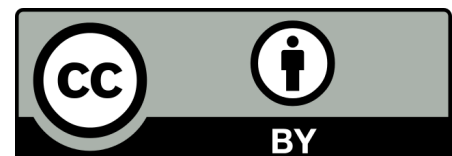


# Open Science: it takes a village...



**Raúl Zurita-Milla**  
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23 Feb 2023, DCC-OSCT networking event



**UNIVERSITY  
OF TWENTE.**

# UNESCO

## Recommendation on Open Science



# UNESCO

## Recommendation on Open Science

**Open science  
increases scientific  
collaborations and sharing  
of information for the benefits  
of science and society**

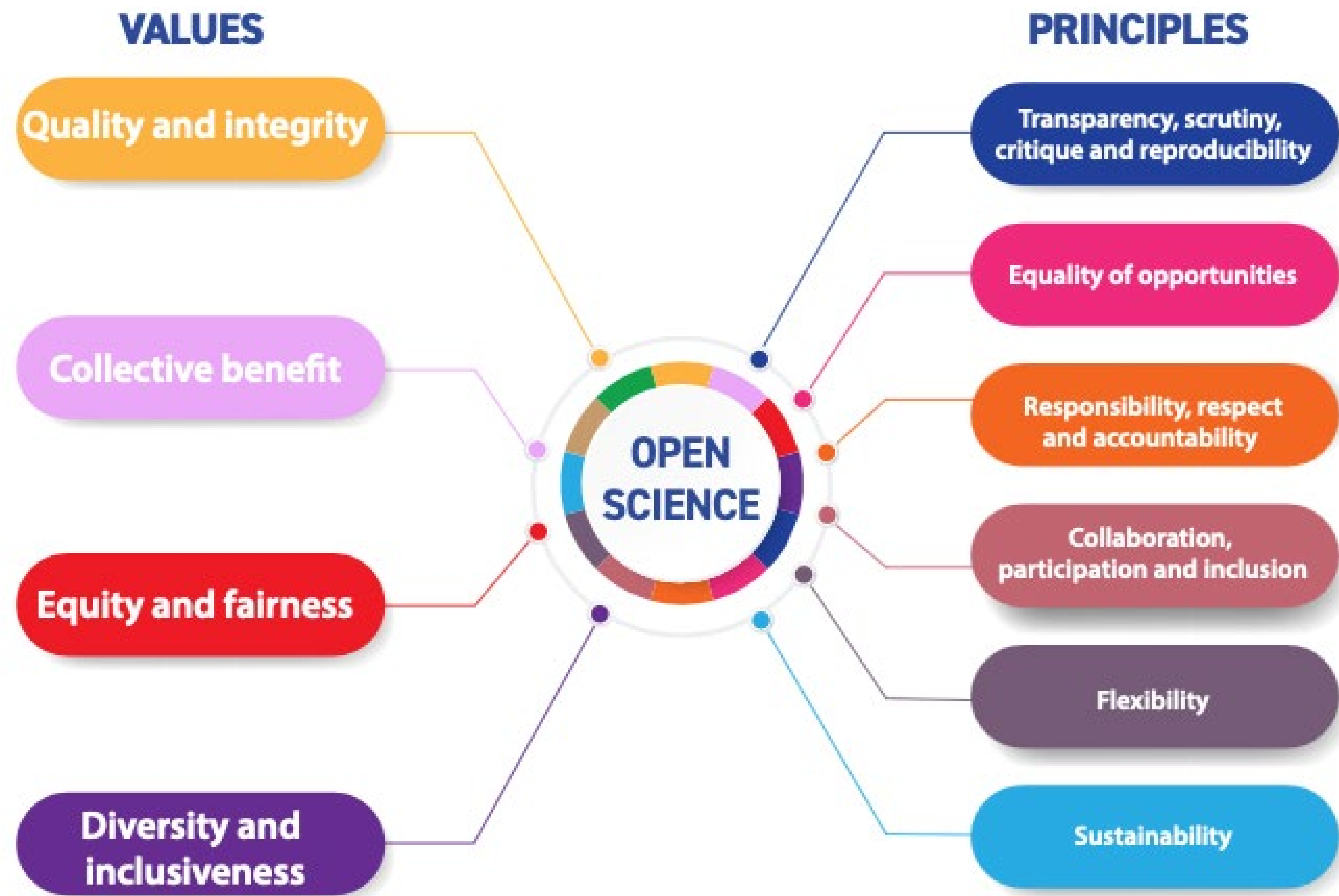
**OPEN  
SCIENCE**

**makes multilingual scientific  
knowledge openly available,  
accessible and reusable for  
everyone**

**opens the processes of scientific  
knowledge creation, evaluation and  
communication to societal actors  
beyond the traditional scientific  
community.**

# UNESCO

## Recommendation on Open Science





# Open Science

**With the help of GPT-3**



Open science is a way of doing research that encourages people to be more open about their work. This can mean sharing data, ideas, and resources with the public, as well as making sure that research is free to access and use.

Open science also encourages collaboration and sharing between researchers, so that everyone can work together to make things better.

<https://eli5.gg>

# Challenges for Open and/or FAIR data

## Input from the community

- Costs too much time, my time is limited, not worth the effort
  - Reluctance to change
  - Interoperability
- Open versus Close (e.g. collaborations with industry)
- Exposure, in an unsafe environment (error-culture)
  - Afraid of the wrath of the Open Science Community
- GDPR
  - I might break the law
  - Too much hassle... & what about knowledge security?

Where is the knowledge we have lost in information?

T.S. Eliot (*The Rock*, 1934)



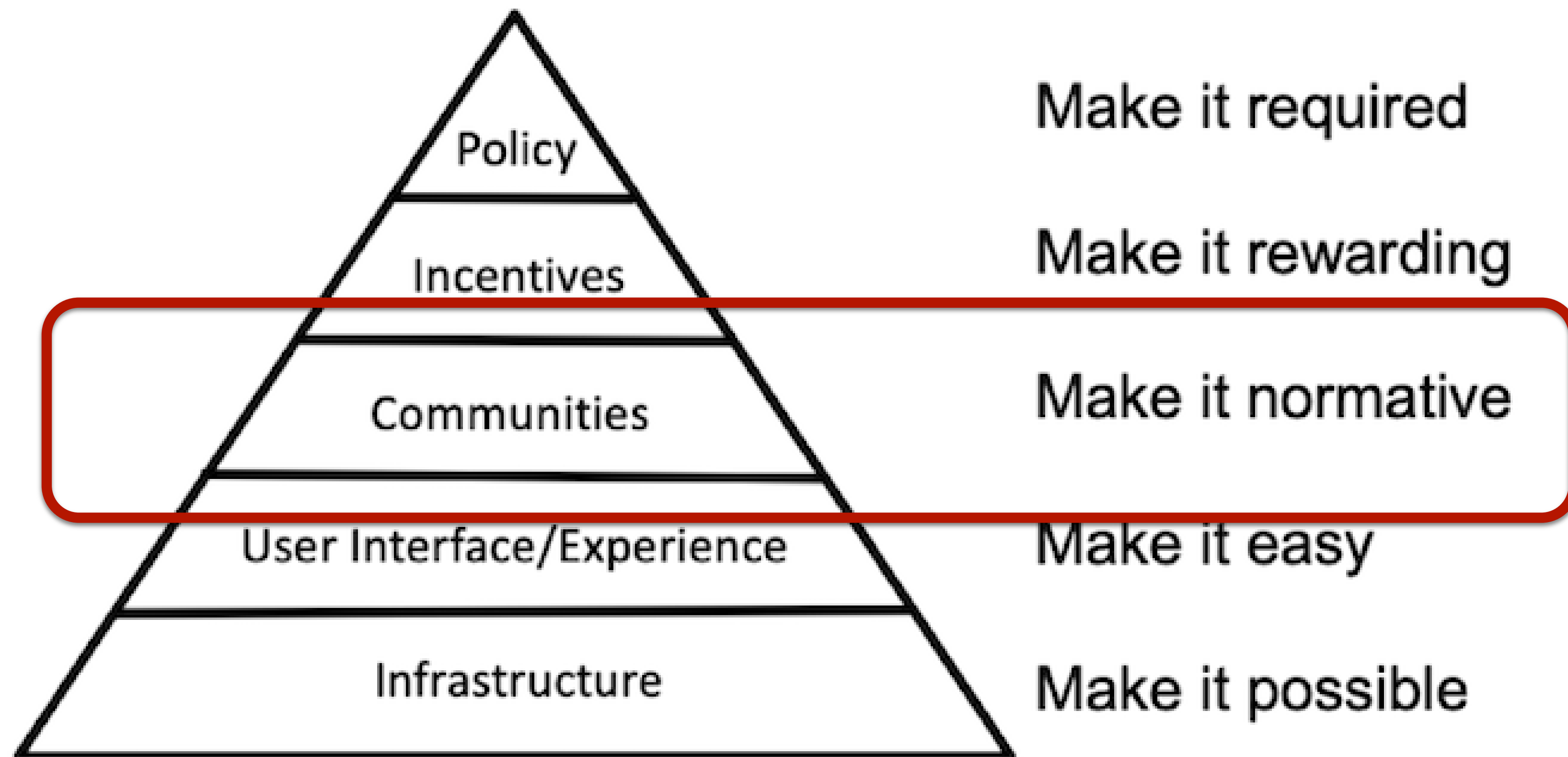
**OPEN SCIENCE:  
JUST  
SCIENCE  
DONE RIGHT**

Jon Tennant +  
Melanie Imming

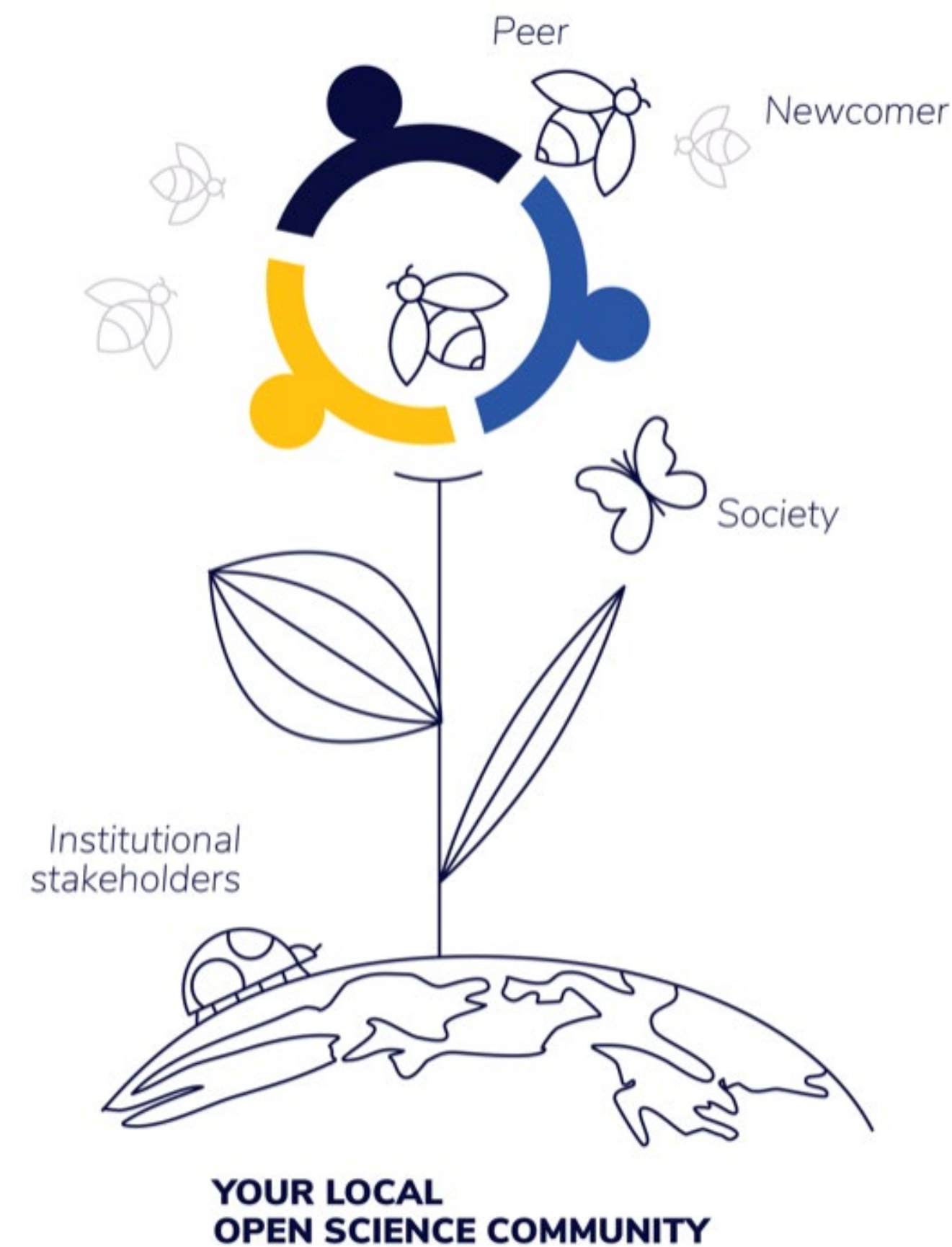


# How to change research culture?

The main challenge now is *social*



# Open Science Communities



## LEGEND



**NEWCOMERS** LEARN FROM EXPERIENCED **PEERS**

- What do you want to learn?
- Presentations, workshops, Symposia, etc.

# Open Science Communities

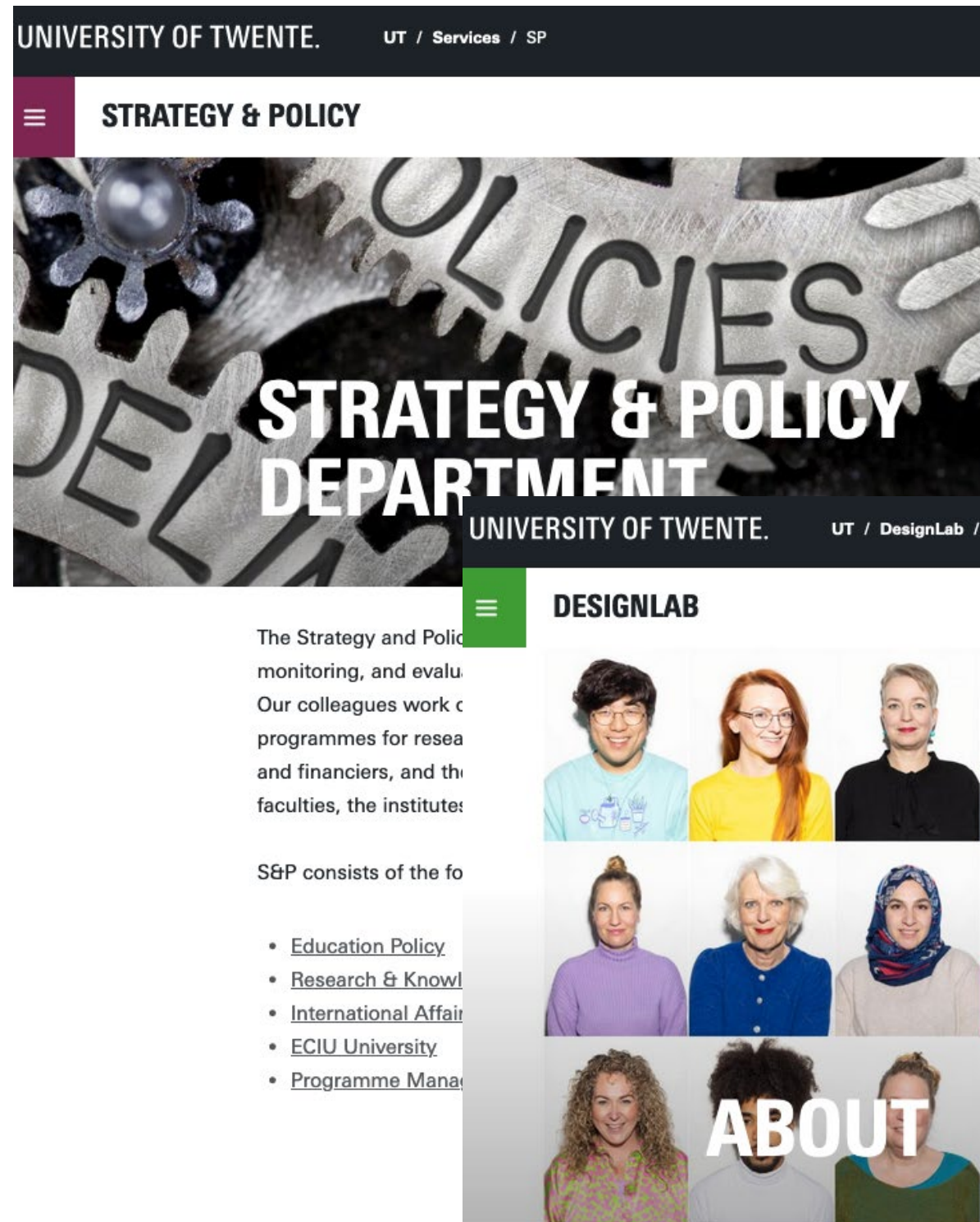
Monthly  
OS Kitchens  
since Jan 2021

Aims	Target audience	Strategies & formats
Reach out and include newcomers to Open Science	Newcomers	Website, newsletter, flyers, merchandise, social media, tone
Increase engagement with Open Science practices	Newcomers & experienced colleagues	Lightning talks, workshops, symposia, mentorship programs, forum
Serve as a breeding ground for Open Science initiatives	Newcomers & experienced colleagues	Member initiatives, collection of established formats
Provide input to policy, infrastructure, and support	Rector, board, deans, librarians, IT specialists	Regular consultancy meetings with stakeholders
Foster interactions between scholars and society	Academics, societal stakeholders, and citizens	Symposia, information meetings, science festivals, online communication



# OSCT

## A few examples



### Feedback on NPOS Rolling Agenda V0.1 on behalf of OSC-NL November 2022

#### Process of OSC-NL feedback

The NPOS Rolling Agenda V0.1 has been distributed amongst the coordinators of all Dutch OSC, who in turn distributed the document amongst the members of their local OSCs. All OSC members have been invited to provide feedback on the document, either asynchronously in a collective google doc, or during an online session organised by OSC-NL. The feedback has been condensed by the OSC-NL board:

- Loek Brinkman <[loek.brinkman@dans.knaw.nl](mailto:loek.brinkman@dans.knaw.nl)>
- Rianne Fijten <[rianne.fijten@maastro.nl](mailto:rianne.fijten@maastro.nl)>
- Raul Zurita Milla <[r.zurita-milla@utwente.nl](mailto:r.zurita-milla@utwente.nl)>
- Vera Heininga <[v.e.heininga@rug.nl](mailto:v.e.heininga@rug.nl)>
- Anita Eerland <[anita.eerland@ru.nl](mailto:anita.eerland@ru.nl)>
- Anna van 't Veer <[a.e.van.t.veer@fsw.leidenuniv.nl](mailto:a.e.van.t.veer@fsw.leidenuniv.nl)>
- Alexandra Sarafoglou <[alexandra.sarafoglou@gmail.com](mailto:alexandra.sarafoglou@gmail.com)>
- Daan Rutten <[D.Rutten@tilburguniversity.edu](mailto:D.Rutten@tilburguniversity.edu)>

In general, the responses of members of the Dutch Open Science Communities (OSC) to V0.1 of the NPOS Rolling Agenda were very positive. We appreciate the way the strategic goals are operationalised in actions and the balance between the actions across requirements. We'll start with **general feedback** which is most important to us, and follow-up with more **specific feedback**.

# Open 2030 in the Netherlands

## NPOS2030 Ambition Document and Rolling Agenda

Version 1 | December 7, 2022

DOI: 10.5281/zenodo.7433767

In citizen science, citizens and researchers join forces to make a societal positive impact. Part of the University of Twente's mission is to strengthen society by providing sustainable solutions to current problems. To this end, scientists and students collaborate with citizens, civil society organizations, governments and companies.

Citizen science is a type of science where citizens and civil society organisations are actively involved in research themes that are relevant to them. These may include good health, sustainable energy, and a safe and accessible digital world. Citizen science aims to bring about improvement for individual citizens and for society as a whole, both in the Twente region and beyond.

Citizen Science at  
the University ...  
Larger Positive  
Impact  
Contributing  
Actions or Ideas  
UT Projects





<https://osc-nl.com>

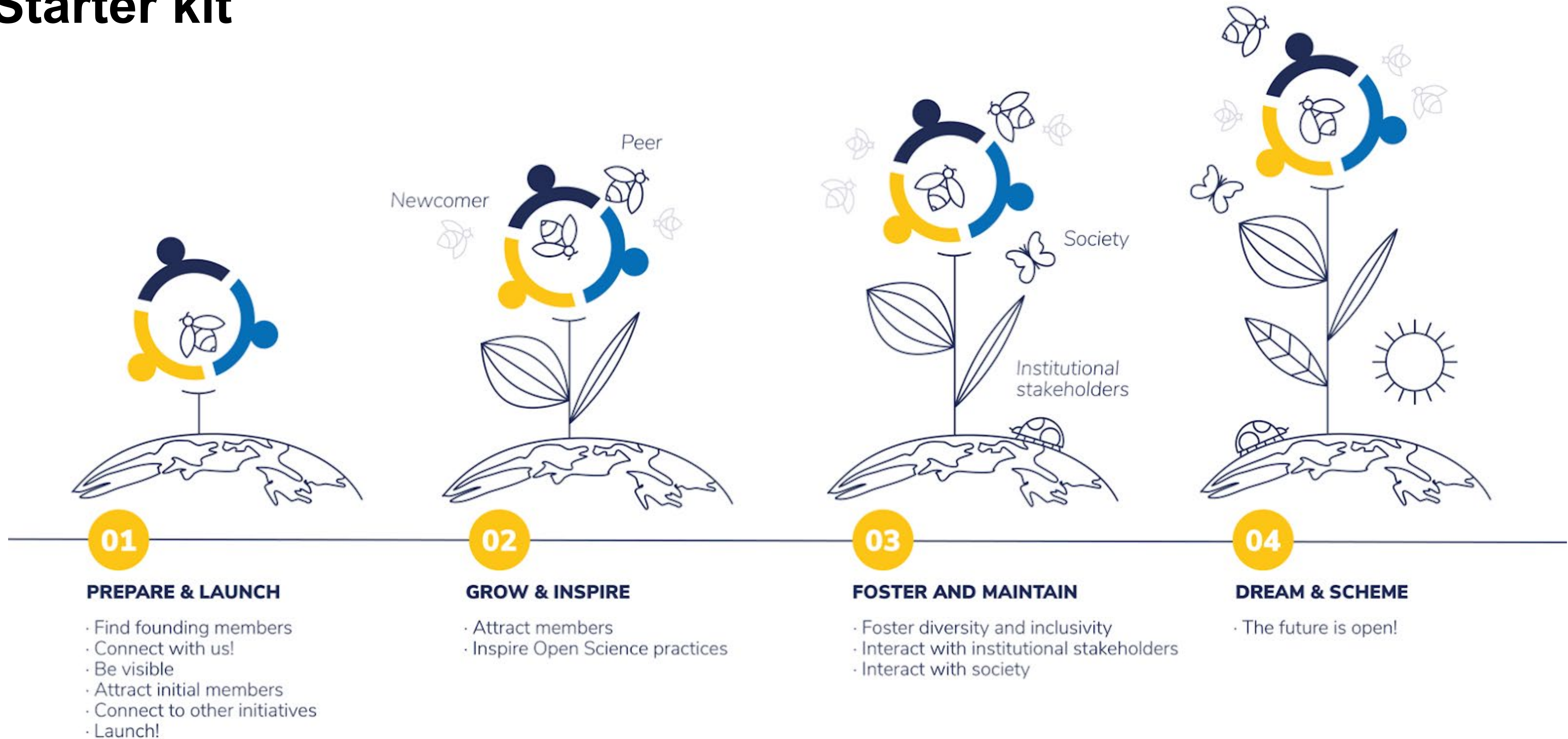


<https://osc-international.com>



# Developing an OS community

## Starter kit







# What can you do?

- Get involved in shaping policy, infrastructure, support, etc.
  - Join the community. Needs and Expertise
  - Talk with your colleagues. Talk with us
  - Help to make Open Science the norm!

# Open science is a human right

## Article 27

- 1. Everyone has the right freely to participate in the cultural life of the community, to enjoy the arts and to share in scientific advancement and its benefits.
- 2. Everyone has the right to the protection of the moral and material interests resulting from any scientific, literary or artistic production of which he is the author.

<https://www.un.org/en/universal-declaration-human-rights/>



# Acknowledgements

- All OSCs (INOSC) for the inspiring discussions and (mostly voluntary) work that all members put to support the Open Science movement.
- OSC Utrecht for starting the network of OS communities
- Loek Brinkman for sharing his knowledge and a few [OSC slides](#) with me
- OSCT coordinators and supporters (past and current) for all the energy they put in our community.