

# Commons Hackathon June 2024

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low tech +  
sustainability

LEARNING IN LOW-TECH TO PROMOTE SUSTAINABILITY



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# I. Open basics summary

- **Open documentation:** necessary for you and for others to reproduce and contribute.
  - Open *in practice*: metadata and form depending on the audience & motivation
  - Open *legally*: open licence & format.

# The tragedy of the commons

Garrett Hardin's theory<sup>1</sup>

- **"A resource left free for use will be exhausted very quickly".**
  - Valid in the current paradigm
- **New paradigm with the commons**
  - Need for rules of use
  - and decided together

<sup>1</sup>Garrett Hardin, The Tragedy of the Commons. Science 162, 1243-1248 (1968). DOI:10.1126/science.162.3859.1243

# Elinor Ostrom

- 2009 Nobel Prize in Economics<sup>2</sup>  
"for her analysis of economic governance and, in particular, the common goods"
- Empirical work on **collective methods of exploitation that can be effective, fair and sustainable** <sup>3</sup>.
  - Environmental & democratic requirements



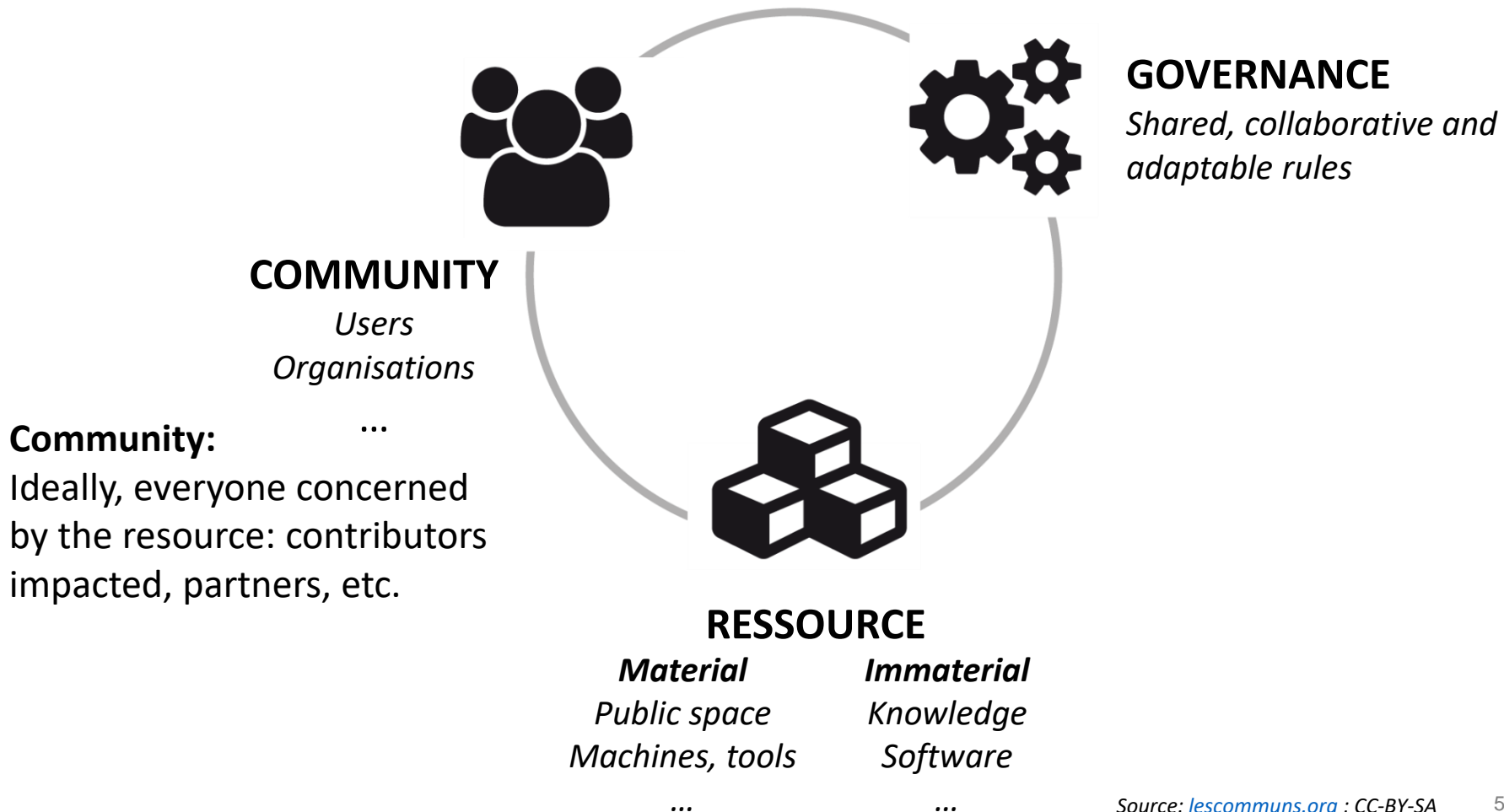
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<sup>2</sup> Elinor Ostrom Prize Lecture <https://www.nobelprize.org/prizes/economic-sciences/2009/ostrom/lecture/>

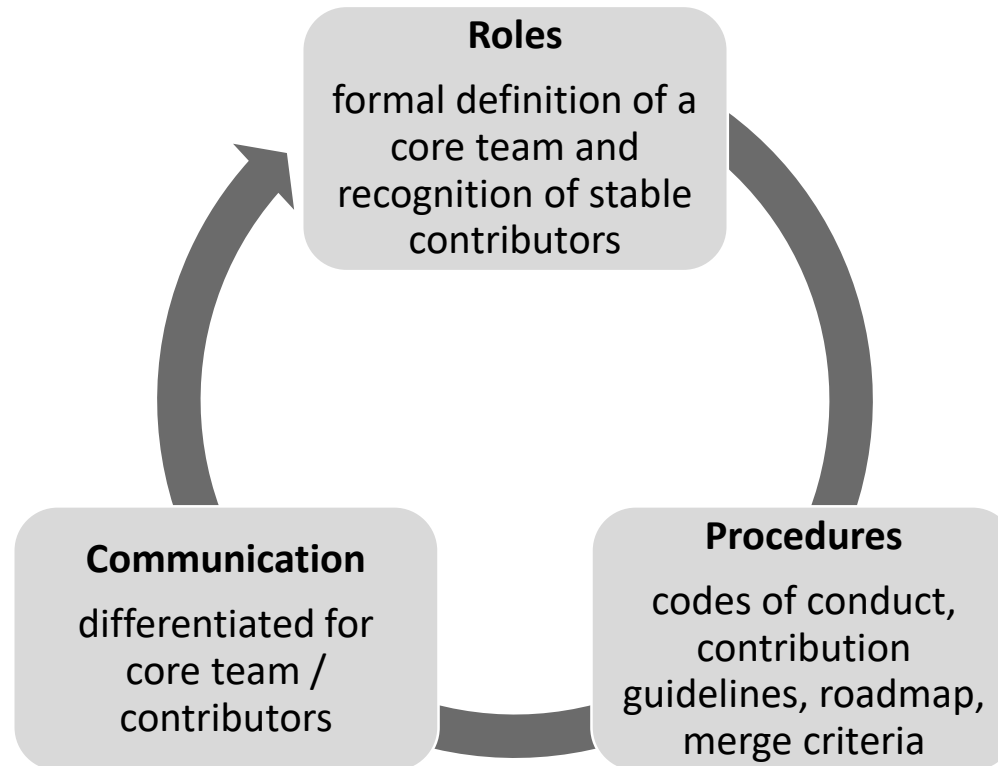
<sup>3</sup> Governing the commons: The evolution of institutions for collective action. Cambridge university press

# Commons

Collective exploitation mode can be efficient, just and sustainable <sup>3</sup>



# Governance



# Governance

- **Examples of governance models**



## Circles

Units called Circles have the ability to decide and act on matters in their domains, which their members agree on through a Council.

Values   Membership   Council   Delegation   Lazy consensus



## Consensus

Decisions that affect the group collectively should involve participation of all participants.

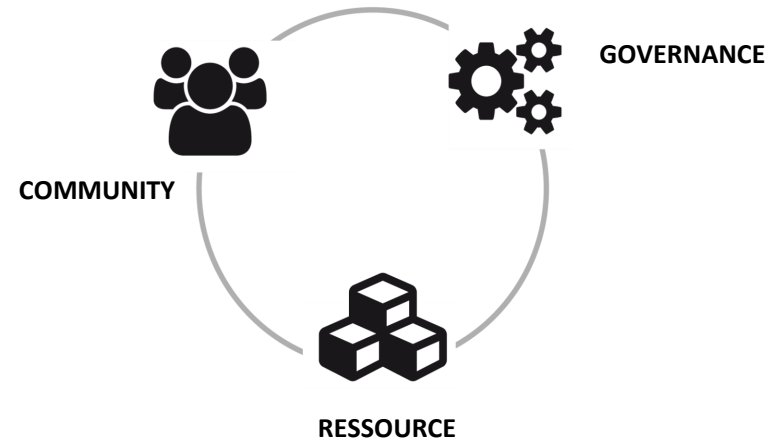
Values   Membership   Exclusion   Consensus   Deliberation   Do-Ocracy

<https://communityrule.info/templates/>

# Activity: describing my project as a common

## Dissemination of your productions

- What is produced in your project (i.e. resources: items, documentation)?
  - Form, type, use
- Community?
  - Type of person or organisation
- How it is managed (i.e. Governance)?
  - Roles, procedure, communication
  - Access, degree of openness, licence





# Acknowledgements

- This open educational resource has been developed as part of the Erasmus+ project LT4Sustain.
- It is mainly based on the lesson “Open Science & Commons” developed by Sacha Hodencq (Low-Tech Lab – ENSE3) and Emmanuel Laurent (MYNE) from 2021 for master II engineering students in Grenoble INP (France).
- It also includes lessons from TU Berlin lesson on open hardware developed by Robert Mies, Sacha Hodencq & Julieta Arancio in 2023.
- It uses CC0 resources from the [Open Science Training Handbook](#) of the european project FOSTER.

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