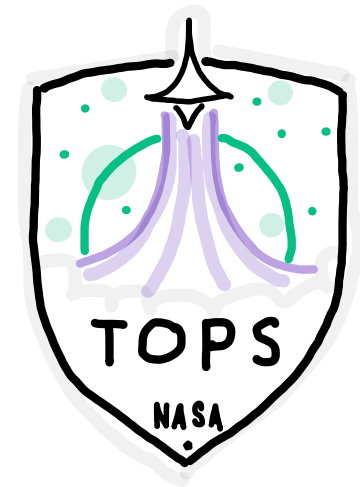
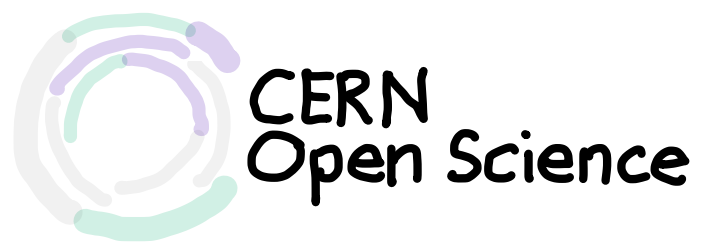


CERN - NASA Open Science Summit

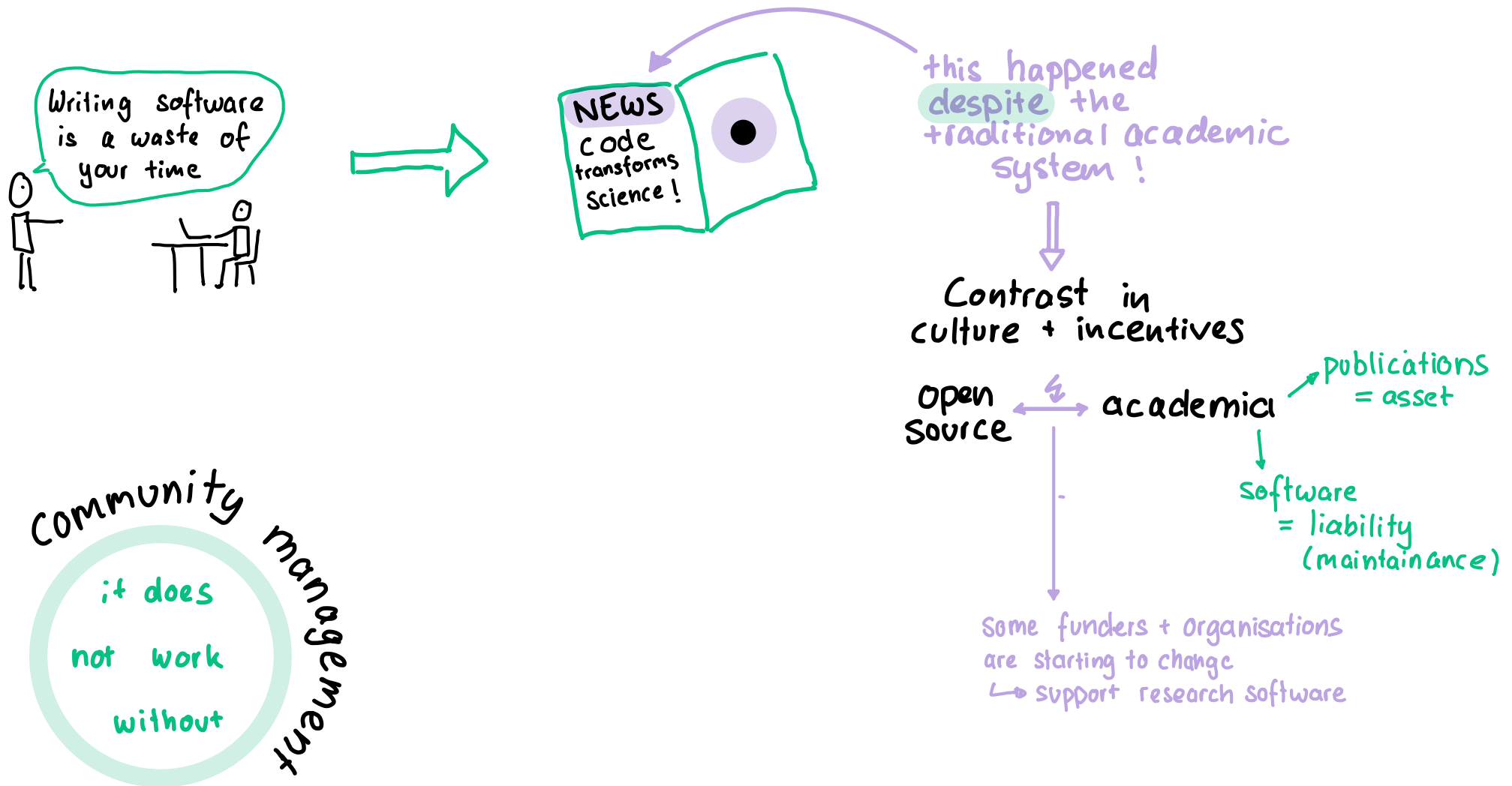
DAY 3

Accelerating the adoption
of Open Science



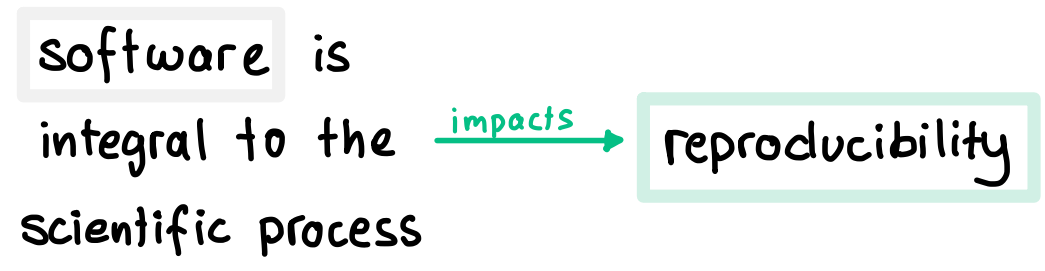
Plenary talk: Open Source today

a story of
IPython & Jupyter



PANEL: OSS POLICY ↔ PRACTICE

Prototype → infrastructure

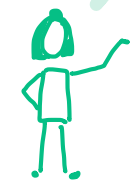


needs ↓

- governance
- + community
- + maintainance
- + resources
- + ...

Sustainability (challenges)

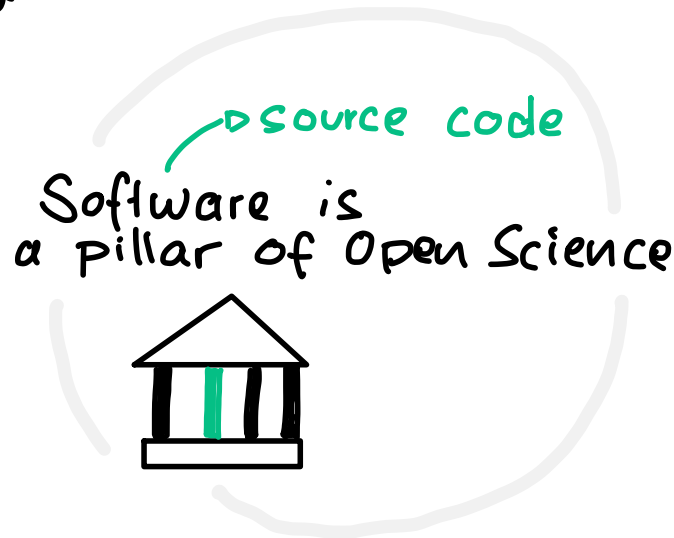
open source is no antonym of commercial, but of proprietary



Policies can help to set sensible defaults + add service to answer questions

PLENARY TALK · TOWARDS A SOFTWARE PILLAR FOR OPEN SCIENCE

software is eating the world
open source is eating the software world



A crisis of reproducibility + maintainability in academia ⇒ recognition needed!

movement in

- UNESCO
- EOSC
- DFG
- ...

Archive
Reference
Describe
Credit

⇒ Policies

⇒ Global Approach → UNESCO Software Heritage
collect + preserve all source code

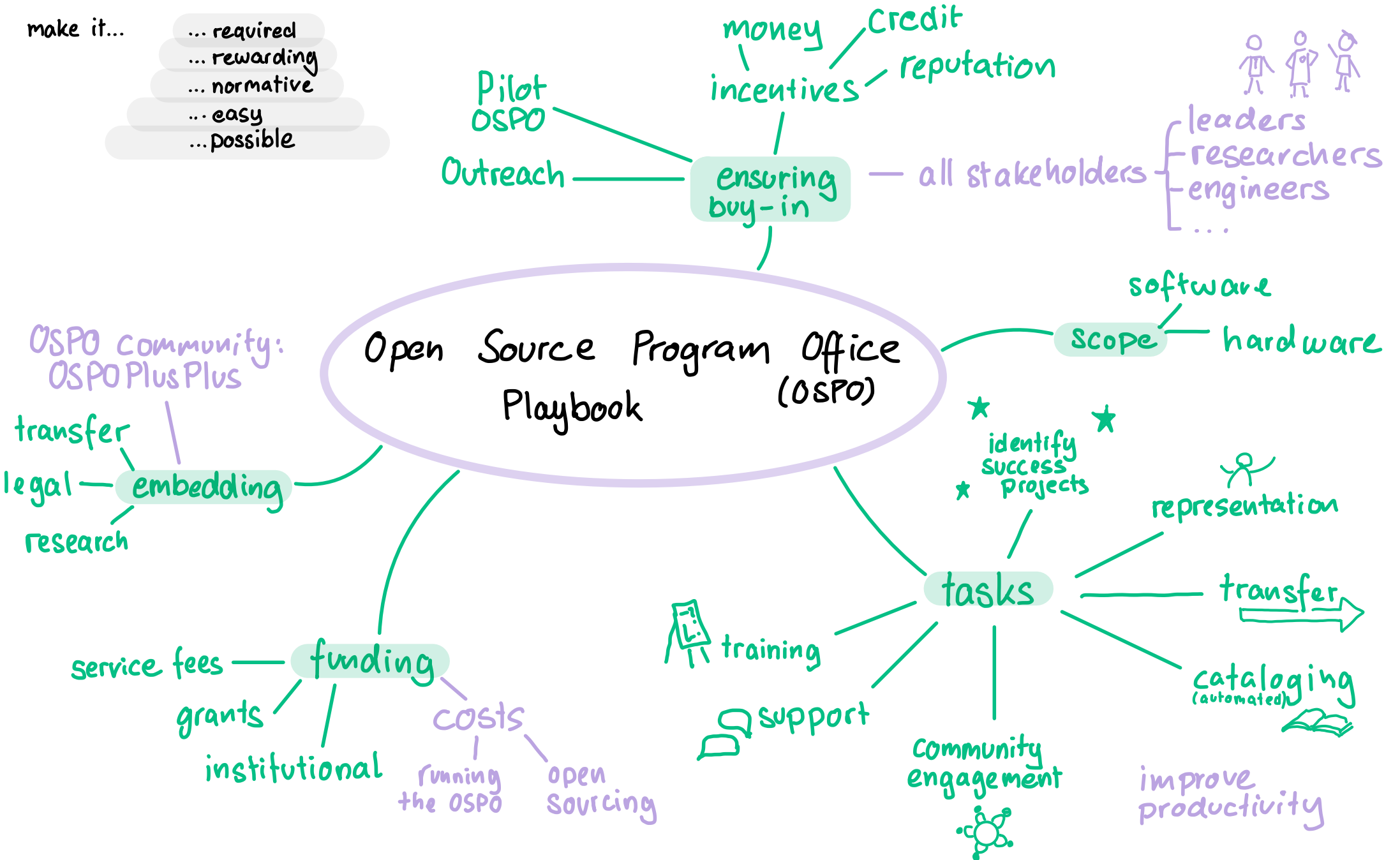
PANEL: OPEN SOURCE (SOFTWARE +) HARDWARE



Clinic 3 STRATEGIC ACTION PLAN FOR OPEN SOURCE

make it...

- ... required
- ... rewarding
- ... normative
- ... easy
- ... possible



CLINIC REVIEW

Bottom up ↑
or
top down? ↓

We need **data** about
OSS usage + production

Hardware is
a blank slate



Needs more **visibility**

Community
OSPO?

We need an

OSPO
Open Science
Program Office

playbook

How to
manage costs?

What's the cost
of keeping closed?

Strategic Action
Plan: Open Source

HARDWARE

FAIR Hardware?
repairable

View hardware like $\left\{ \begin{array}{l} \text{software} \\ \text{data} \end{array} \right. ?$

Meet people
where they
are

Define
archetypes

How to avoid
getting trapped
into your own
assumptions