



**Dr. Malika Ihle**

Scientific Coordinator and  
Community Engagement Manager



**LMU Open Science Center**

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Director of the Max Planck for Evolutionary  
Anthropology, Open Science Advisor to the  
president of the **Max Planck Society**

# 15 Institutional Members

## Faculties and Departments

- Department Psychology
- Department Statistics
- Faculty of Biology
- Faculty of Business Admin.
- Faculty of Medicine
- Faculty of Psych. and Edu. Science
- Faculty of Veterinary Medicine

## Centers, Clusters, Service units

- Cluster of Excellence – SyNergy
- Cluster of Excellence – ORIGINS
- Biomedical Center Munich
- Digital Humanities Center
- Leibniz Supercomputing Center
- LMU-ifo Economics & Business Data Center
- Munich Center for Neurosciences
- University Library

# Individual Members



- **100+ Members (Profs., Drs.) from 14 faculties**
- 20+ Fellows (predoc) leading grassroots initiatives
- 500+ mailing list subscribers

# OPEN RESEARCH

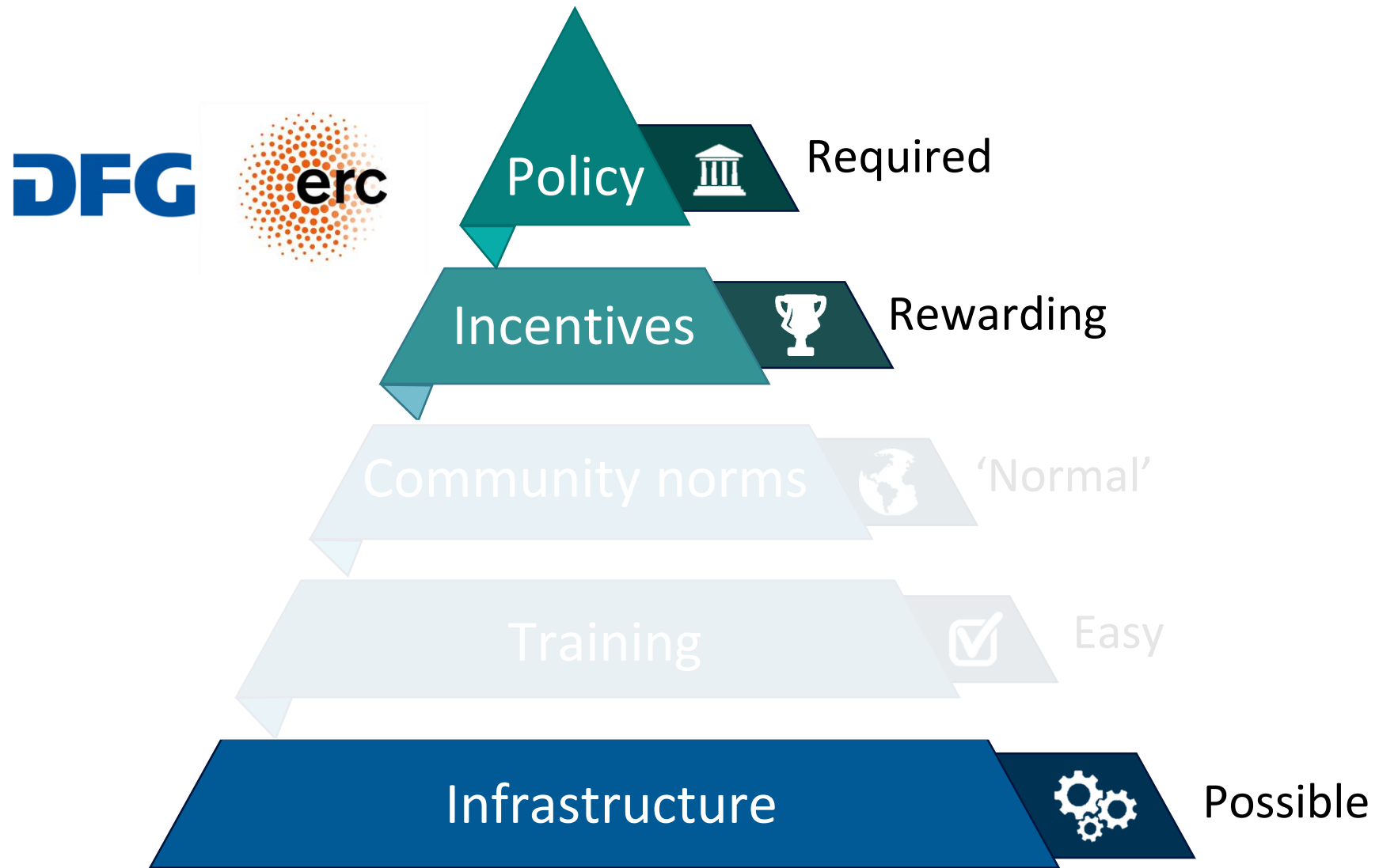


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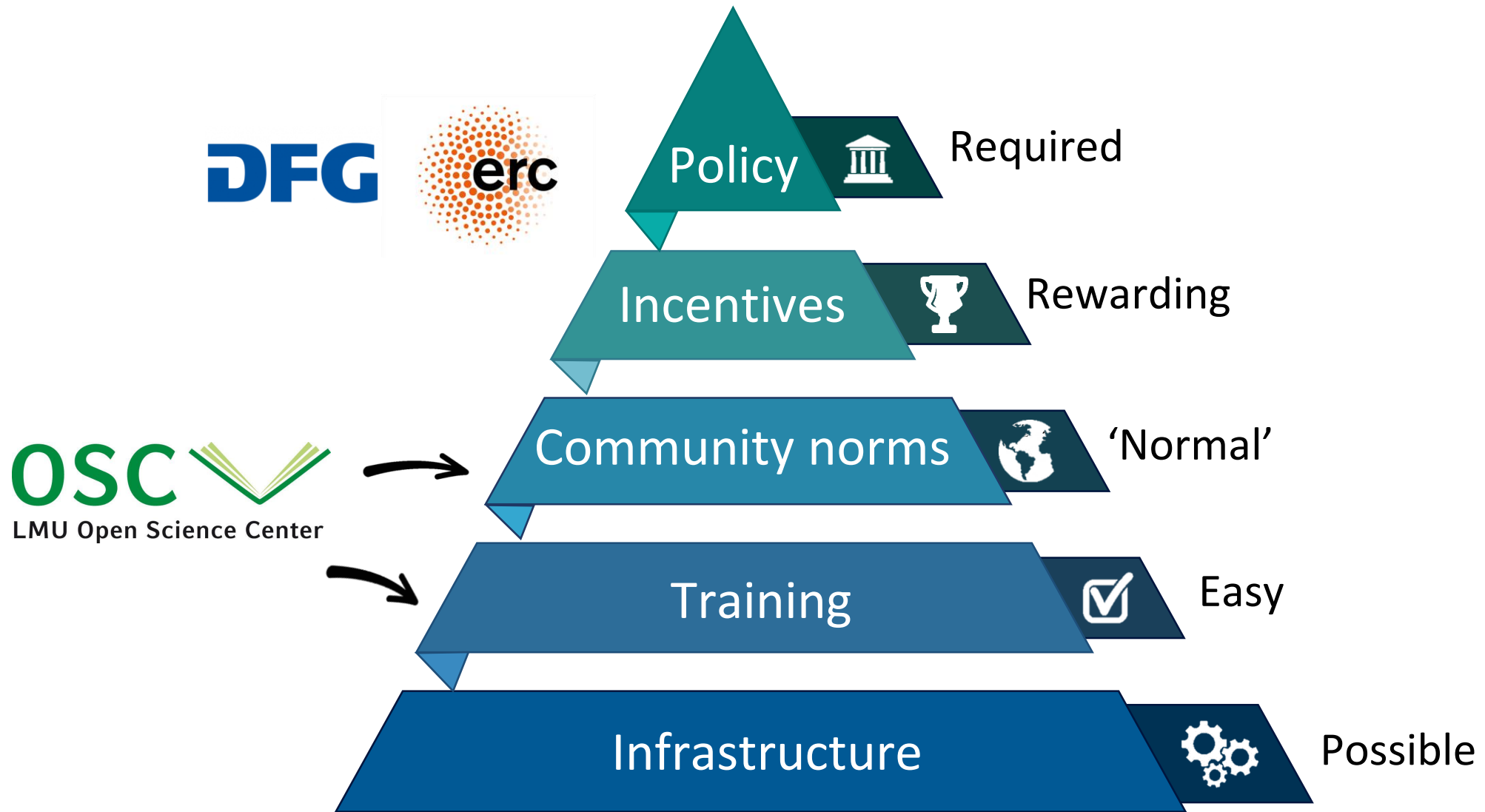


Registered  
Reports

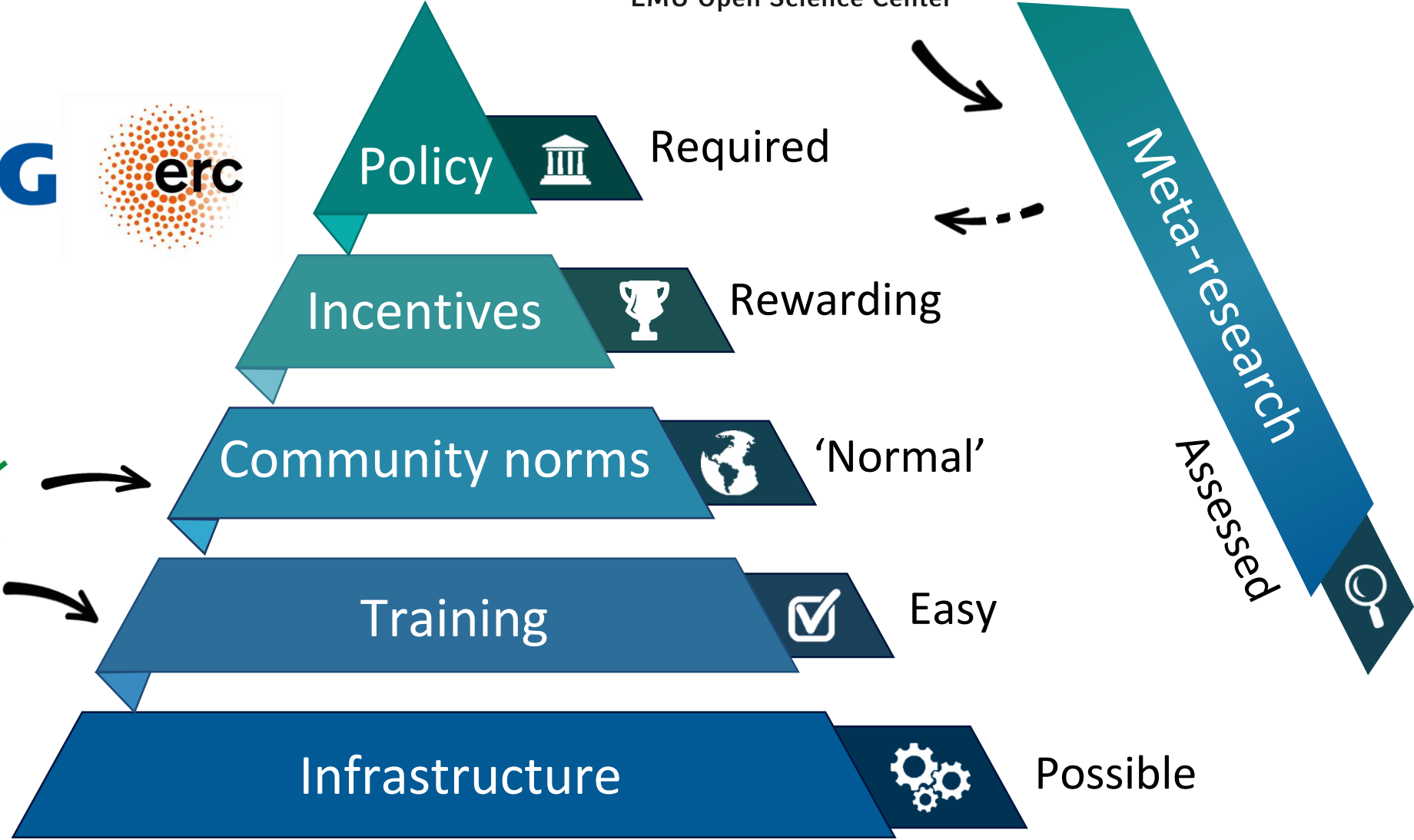
# Changing research culture



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# Areas of activities

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## 5. Liaison with stakeholders

e.g. German Reproducibility Network, Coalition for Advancing Research Assessment

# Upcoming funded programmes

# Open HyFaST

## Open Hybrid-Facilitated Self-paced Tutorials

For an efficient and reproducible workflow !

### Programming

For reproducible data wrangling and analysis



### Version control

Track changes in your code without saving multiple copies of a file



### Literate programming

Alternate natural language with code and write reproducible manuscript



### References management

Manage your bibliography automatically and reproducibly



### Reproducible computational environment

Keep track of your software and packages version

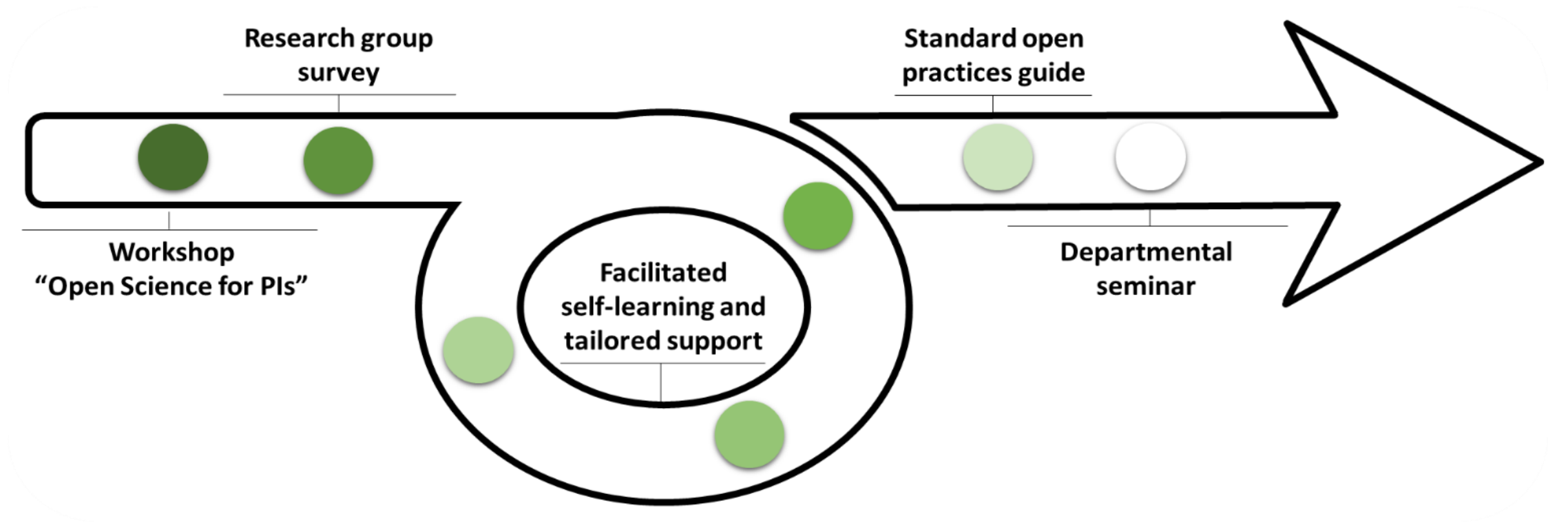


### Software publishing

Document, licence, wrap, and publish your code along your manuscript



# Switch-to-Open



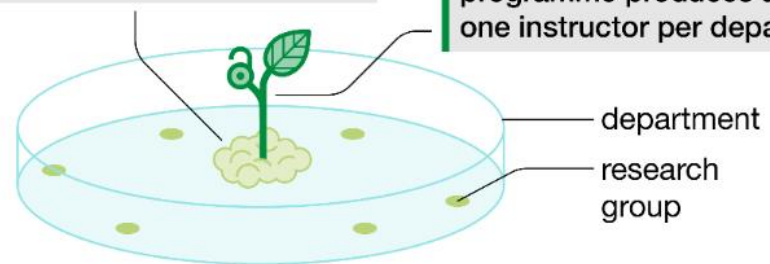
# Train-the-Trainer



Framework for Open and Reproducible Research Training, FORRT <https://forrt.org/>

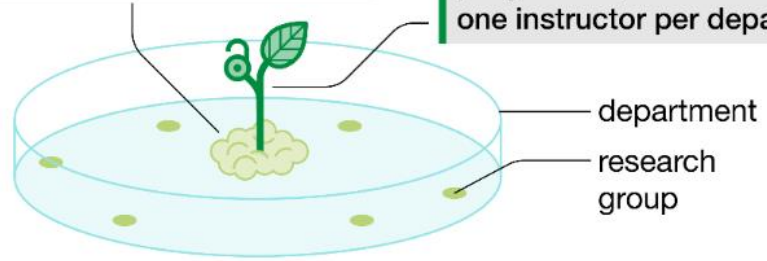
The 'switch-to-open' programme supports a research group to develop a standard open research practice guide for their daily workflows

The 'train-the-trainer' programme produces at least one instructor per department

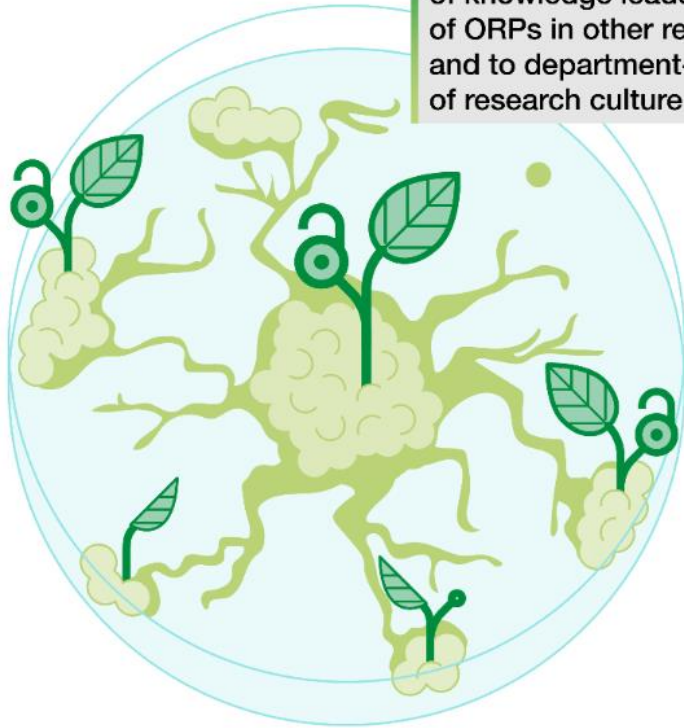


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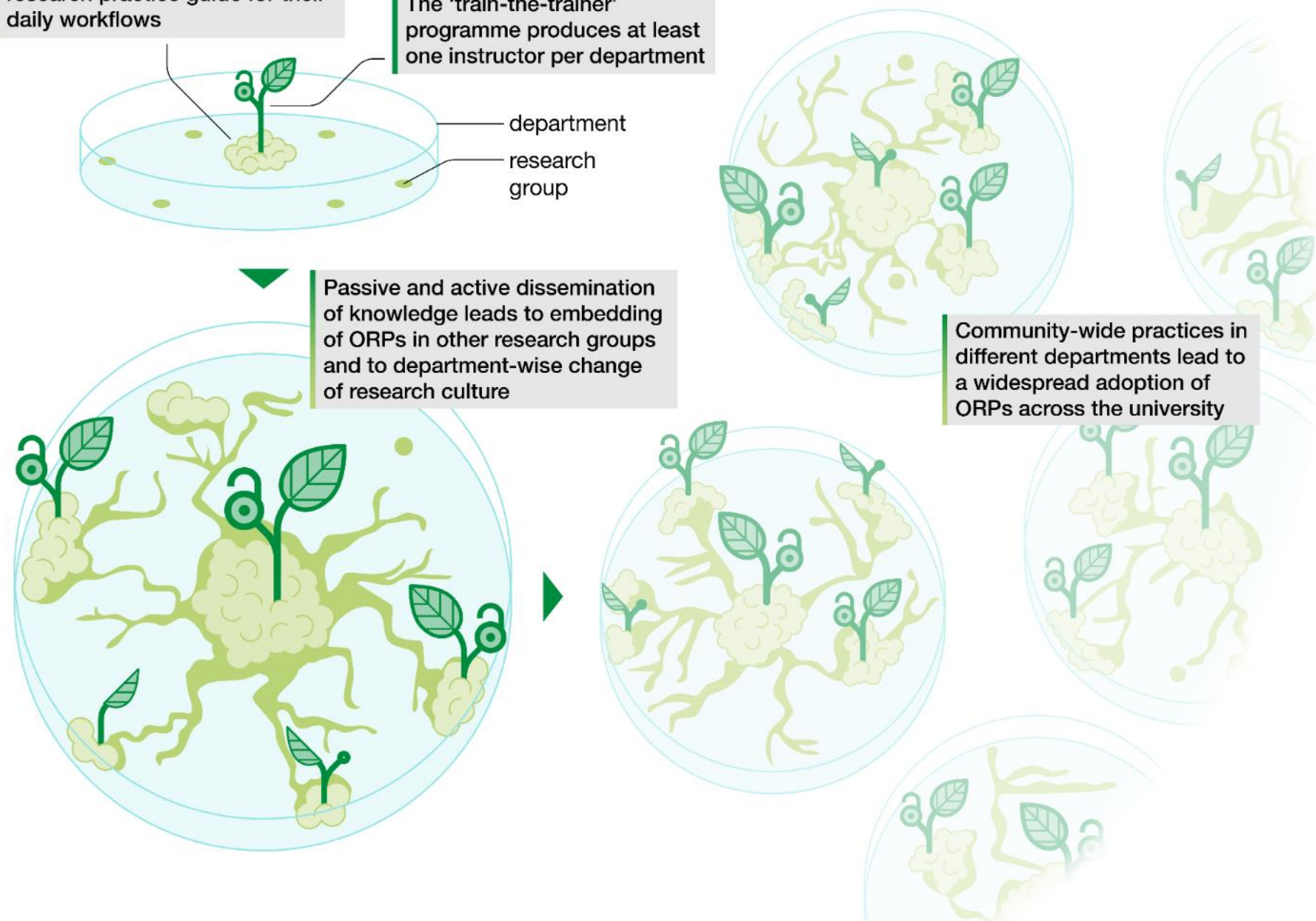
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## From local to systemic implementation: Embedding open research in institutional practices

department  
research group

Passive and active dissemination of knowledge leads to embedding of ORPs in other research groups and to department-wise change of research culture

Community-wide practices in different departments lead to a widespread adoption of ORPs across the university







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