

# Maastricht University's Open Science tree

its roots, stem, and how we make it bloom



# How to participate?



[Copy participation link](#)

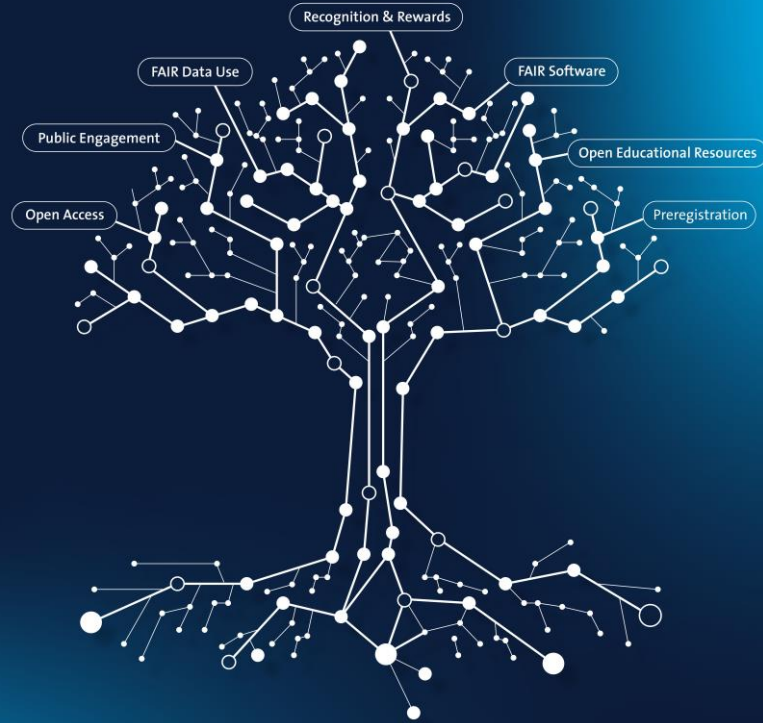


- 1 Go to [wooclap.com](https://wooclap.com)
- 2 Enter the event code in the top banner

Event code  
**LIBSCITALK**



- 1 Send [@LIBSCITALK](#) to **0970 1420 2908**
- 2 You can participate



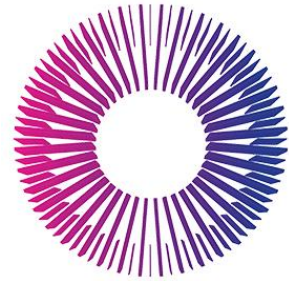
# UM Open Science Connecting open minds



# Why Open Science?



*“Open Science is aiming to make scientific knowledge openly available, accessible and reusable for everyone, to increase scientific collaborations and sharing of information for the benefits of science and society.”*



nationaal  
programma  
**open  
science**

*“Open Science stands for the transition to a new, more open and participatory way of conducting, publishing and evaluating scholarly research. Central to this concept is the goal of increasing cooperation and transparency in all research stages.”*

Two core values: transparency & (academic & societal) impact



# The wider Open Science landscape



# Open Science Communities



International Network of Open Science & Scholarship Communities



<https://vimeo.com/510808878>



# History of Open Science @ UM

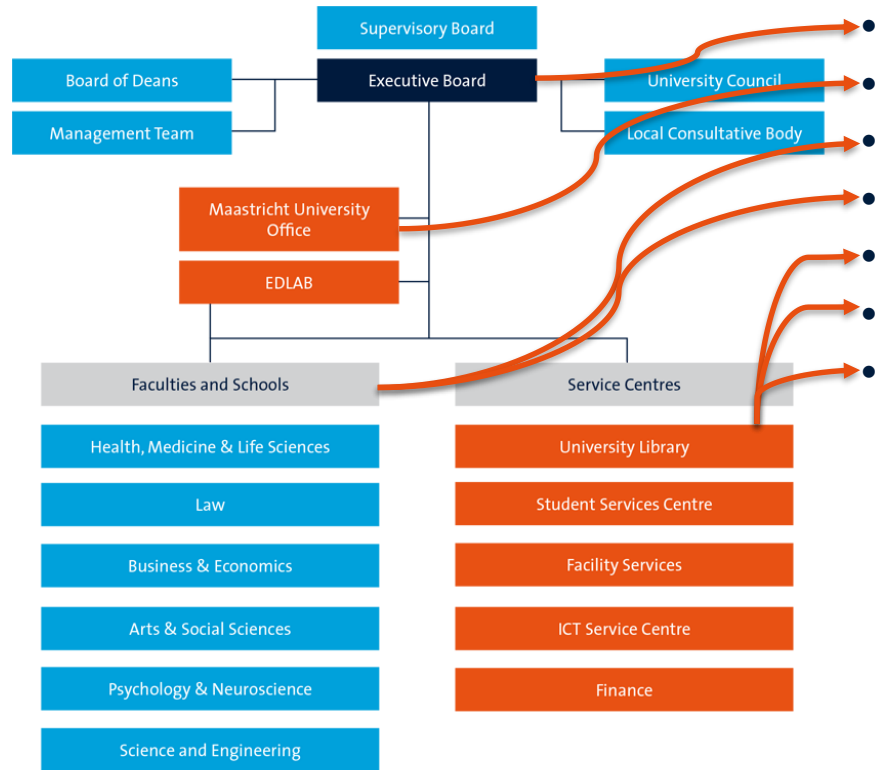
- First UM Open Science policy in 2019
- UM signed DORA in October 2019
- OSCM started in 2020
- Strategic program 2022-2026:

integrity are of paramount importance. **Open Science is the norm**, which entails stakeholder participation, FAIR data principles and data management, open-access publications and other research output, and more. Thanks to this first-class research

- Open Science policy 2022-2026 incorporates all phases of the research cycle



# Organisational structure Open Science @ UM



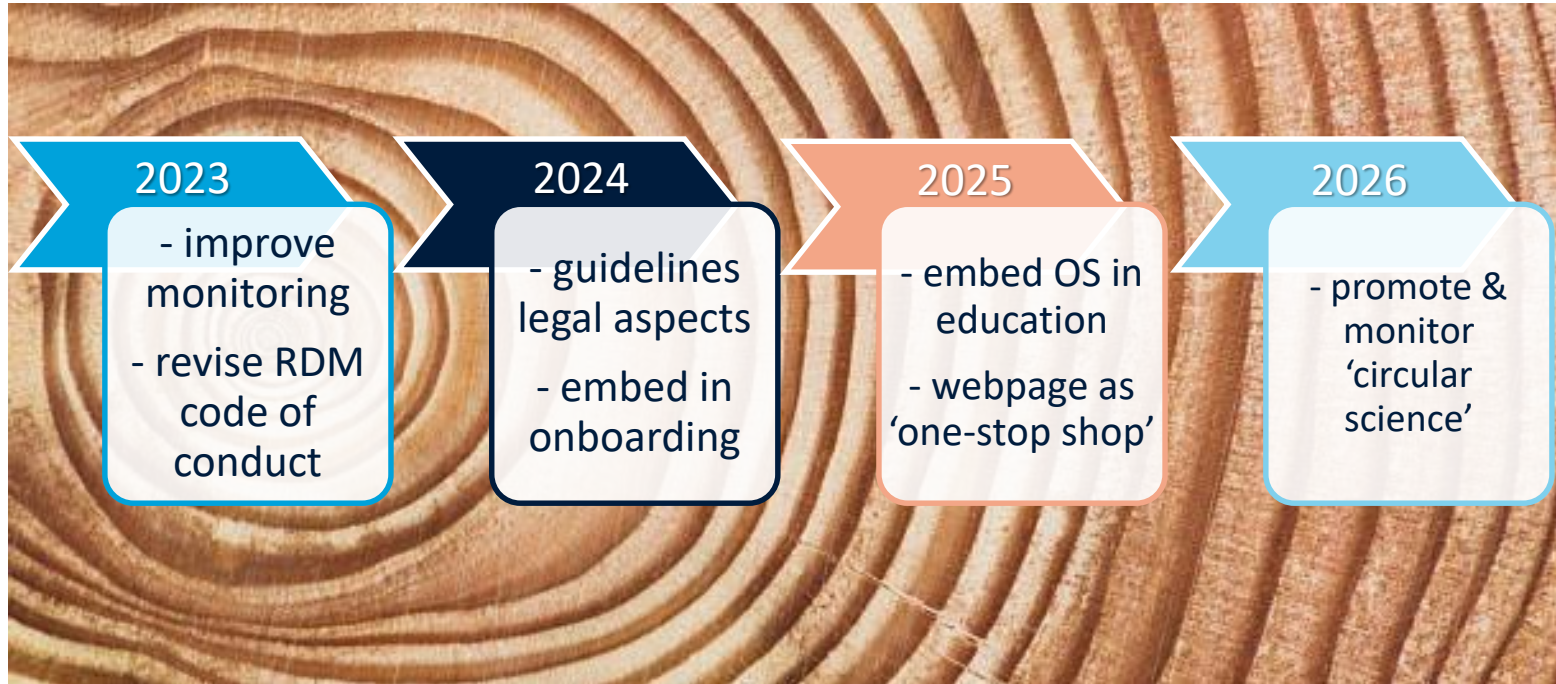
in portfolio Rector Magnificus  
policy advisor Academic Affairs  
professor as 'standard bearer'  
ambassadors OSCM  
Chief Open Science  
Open Science officer  
Expertise & support:

- Scholarly Communication
- RDM
- CRIS
- Research Intelligence
- Open Science in education
- Citizen science





# Open-Science-encompassing actions



**Online module**

Introduction to Research Integrity & Ethics →

**Interactive, multidisciplinary session**

Research Ethics and Integrity →

## Open Science

**Online modules**

Introduction to Open Science →

Introduction to Open Access Publishing →

Research Data Management & FAIR basics →

Open Access Publishing (When you are ready to write your first article) →

**Interactive, multidisciplinary session**

Open Science - Registration →

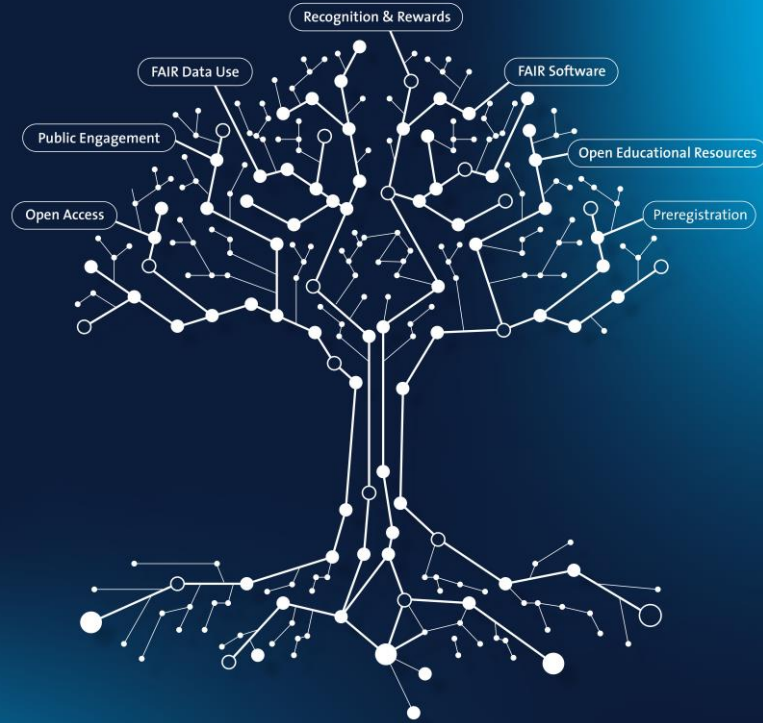
## Science Communication



# Challenges of a university-wide policy

- As open as possible, as closed as necessary
- ‘Science’ ≠ natural sciences or related; all fields/disciplines are targeted
- Acknowledging disciplinary differences in research practices → faculty action plans

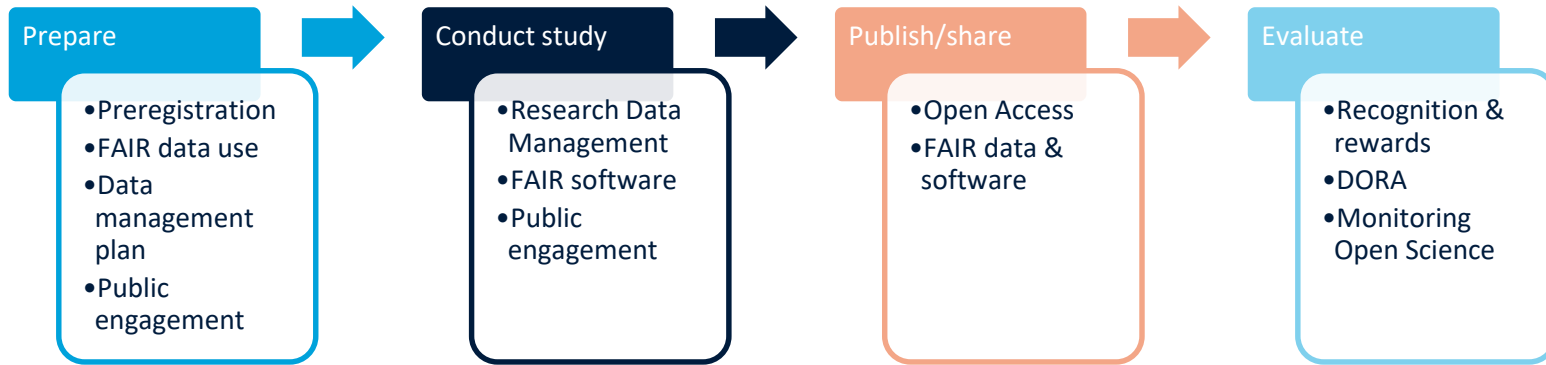




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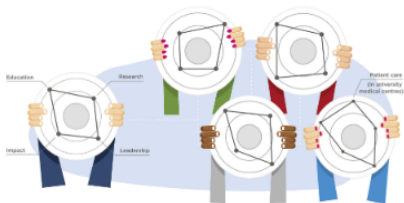


# Open Science throughout the research cycle



# Recognition & rewards

Diversifying and vitalising career paths



Achieving balance between individuals and the collective



Stimulating open science



Focusing on quality



Stimulating academic leadership

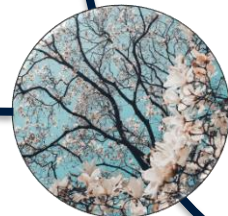


Recognition & rewards

Public engagement

FAIR software

Open Educ. Resources



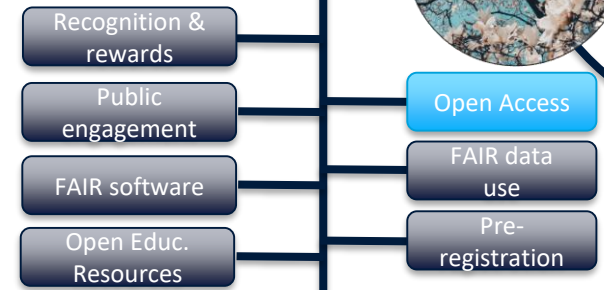
Open Access

FAIR data use

Pre-registration

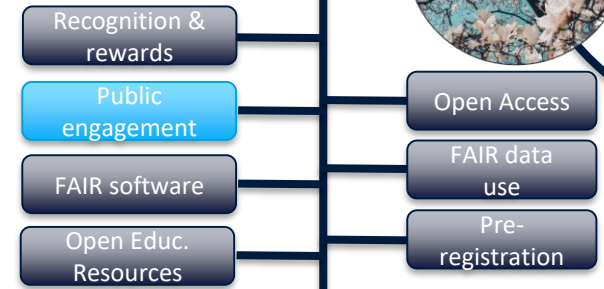
# Open Access

- [OA portal](#)
- Read & publish deals → [journal browser](#)
- Green OA promotion, incl. [Taverne amendment](#)
- Pilot OA books: fund & press
- New arrangement types (Gold & Diamond OA)
- Increase awareness funder requirements & funding opportunities



# Public engagement

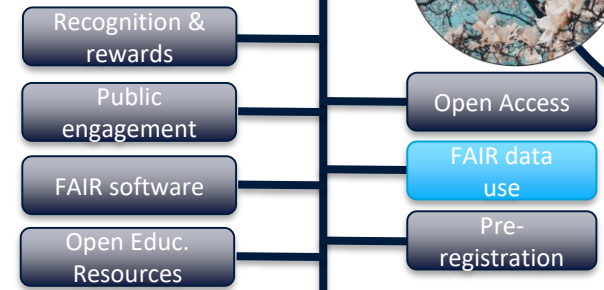
- Library Special Collections as use case
- Exploring best practices, existing connections & needs for support
- Formulate guidelines on types of research for which public engagement is recommended
- Example: [Worlds of wonder](#)





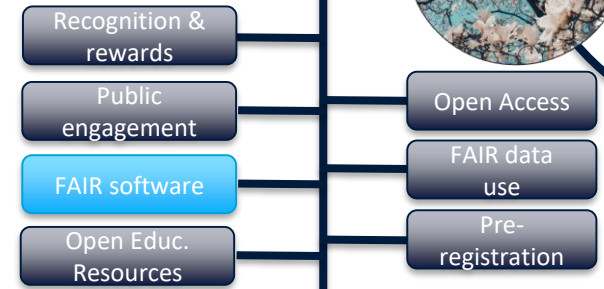
# FAIR data use

- [RDM portal](#)
- Faculty [data stewards](#) 1<sup>st</sup> point of contact
- RDM experts community
- further integration of service domains (Data Stewardship Services, Data Brokership, Data Infrastructure and Data Sciences Services)
- Research Project Services platform



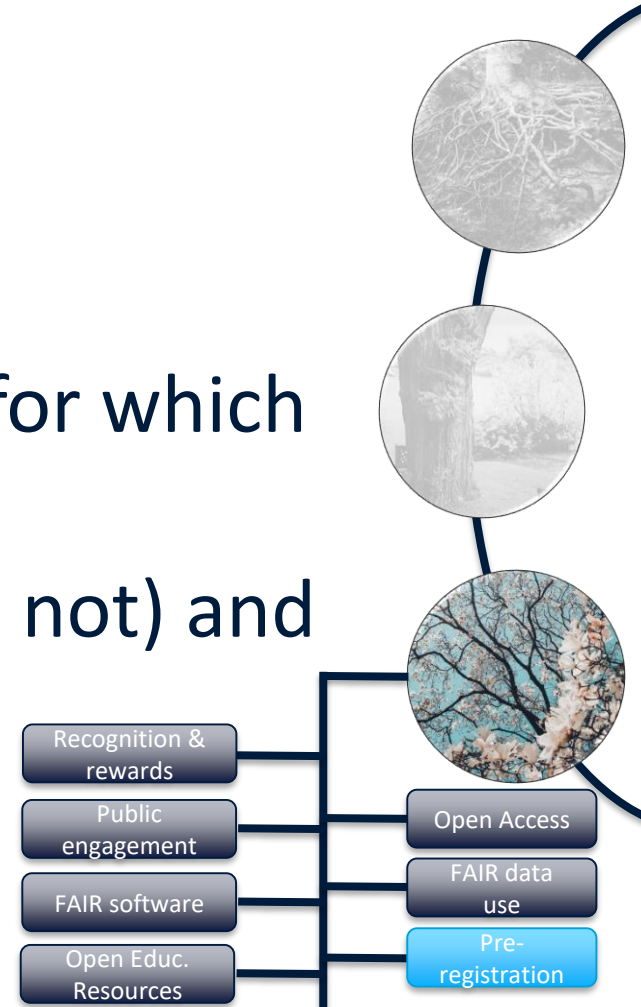
# FAIR software

- Identify gaps in awareness, knowledge and/or support
- Adapt services and tooling, centralize where possible or desirable
- GitLab as tool for versioning
- Basic skills for data stewards
- Software management part of RDM



# Preregistration

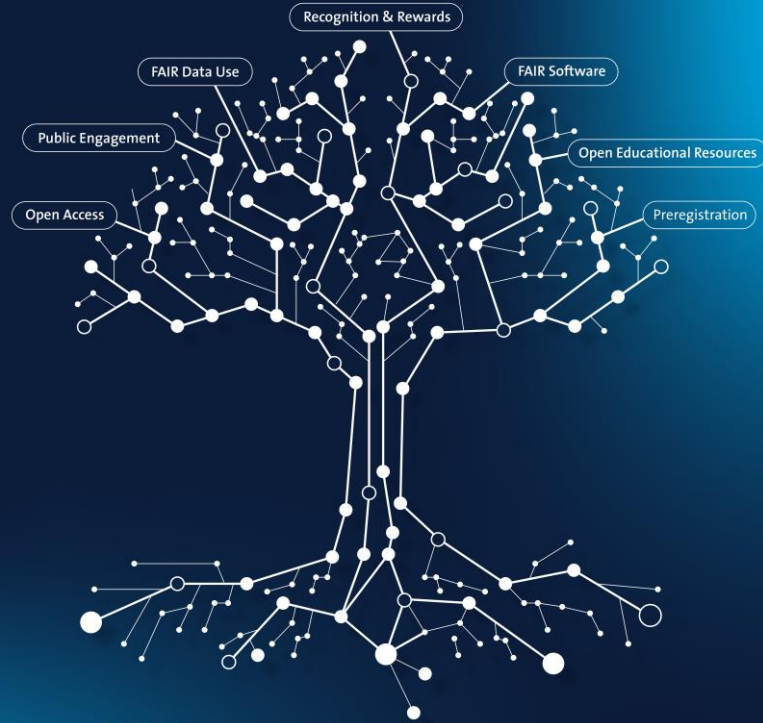
- Inventory current practices
- Basic skills for data stewards
- Guidelines on types of research for which preregistration is recommended
- Guidelines on where (and where not) and how to preregister
- Data processing agreements?



# Open Educational Resources

- Broad definition, incl. OA publications
- Investigate current use of OER
- Offering an OER collection
- Library staff development
- Stimulating (re)use of OER





# UM **Open Science** Connecting **open minds**





*Questions?*

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