

Stepping Stones Towards Open Science

TU Delft Library

Dr. Alenka Prinčič & Anke Versteeg

8 April 2016



Context

Open Science is a development that is influenced by demands from outside TU Delft.

For example:

- Budapest Open Access Initiative in 2002
- Bethesda Statement on Open Access Publishing in 2003,
- The signing of 'Berlin Declaration on Open Access to Knowledge In the Sciences' in 2005

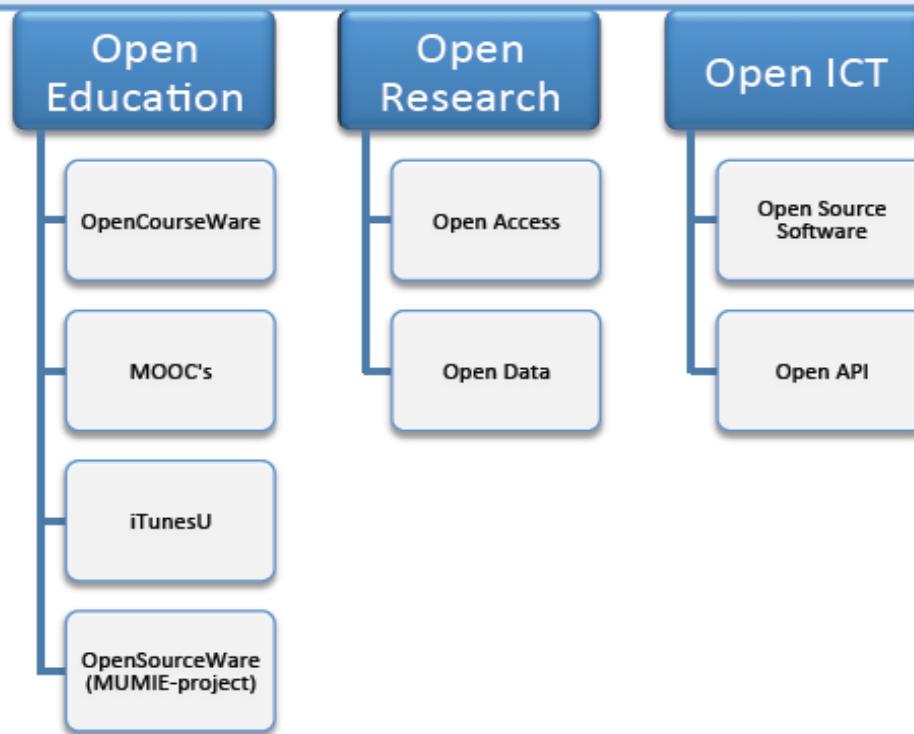
Digitalisation for opening up to broad society, open society.

Open Science is not only an external influence but also an **ideal**.



Goal
easy
access
to the
university's
open
digital
materials

Open.TUDelft.nl





- 2018: 60% publications Open Access
- 2024: 100% publications Open Access

100%
FINISH 2024

BERLIN
Declaration
←

GREEN ROAD



TU Delft Library connections



Member Project group Open Access VSNU
Association of Universities in Netherlands



Ministerie van Onderwijs, Cultuur en
Wetenschap



Member Project group Open Access OCW

CESAER



Chair Working Committee Open Access UKB

Member Taskforce Open Science CESAER

Conference of European Schools for Advanced Engineering Education and Research

Board member DataCite



Member Steering Committee Scholarly
Communication and Research Infrastructures LIBER

TU Delft's mission

"TU Delft is dedicated to making a significant contribution in finding responsible solutions to societal problems, at both national and international level. **Our mission is to deliver Science to Society.**

Open Science is an important way to spread our mission around the world."



Karel Luyben,
Rector Magnificus



TU Delft Open Science 2016



Open science is Open Access to Publications,
responsible Research Data management, Open
Education and the use of Open Source Software

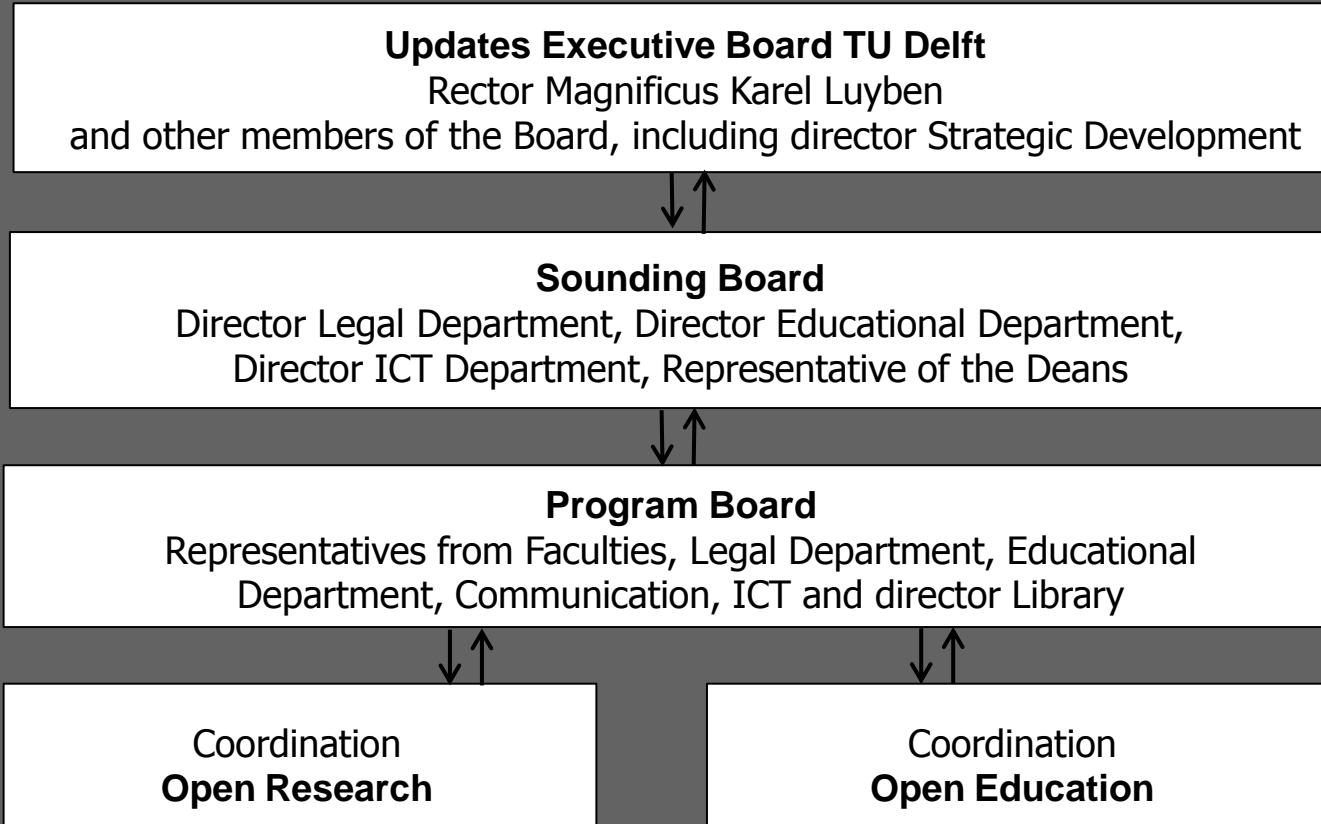
Three focal points of Open Science in Delft

Awareness - Advocacy and Roadshow

Commitment - Open Science Policy and Program

Action - Projects

Governance Open Science Programme 2016-2018



TU Delft Policy on Open Access Publishing

Effective from 01-05-2016



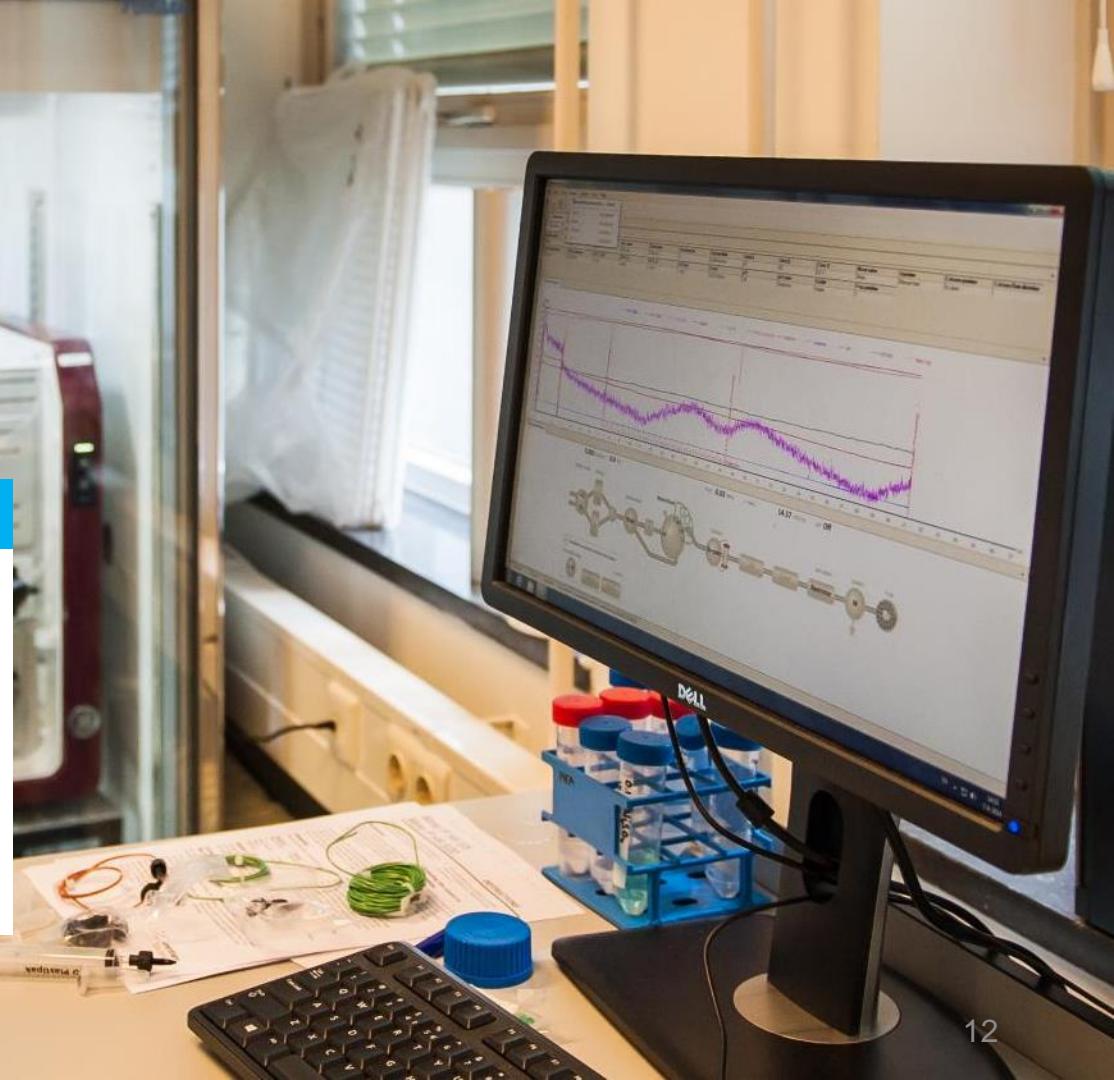
Commitment

“The (co)author must publish at least the final accepted author’s version of a peer-reviewed article with the required metadata in the TU Delft Institutional Repository.”



How open is Open Science?

*“Open if possible,
closed if necessary”*



Awareness, Commitment and Action

Open Research

Open Research Projects

- Open Science 'How to' Guide
- Open Access Monitor
- Data Stewardship
- Open Research Training
- TU Delft Open

Open Research Ideas

- Publishing services
- Incentives / Academic Visibility

Open Education

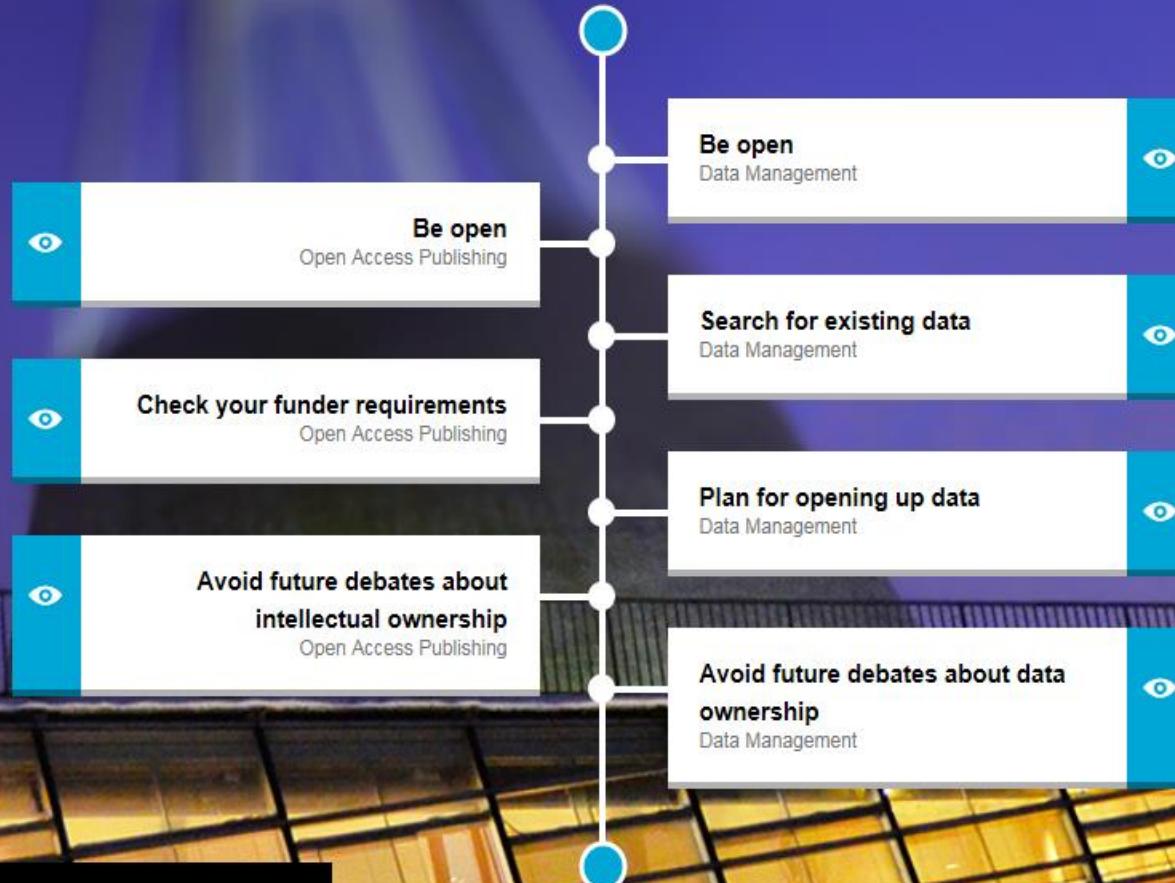
Open Education Potential Projects

- Copyrights & Open Licenses
- Open Textbooks
- Content Curation

Open Education ideas

- Online Hospitality
- Community Online Education
- Enrich Online Learning

Planning research



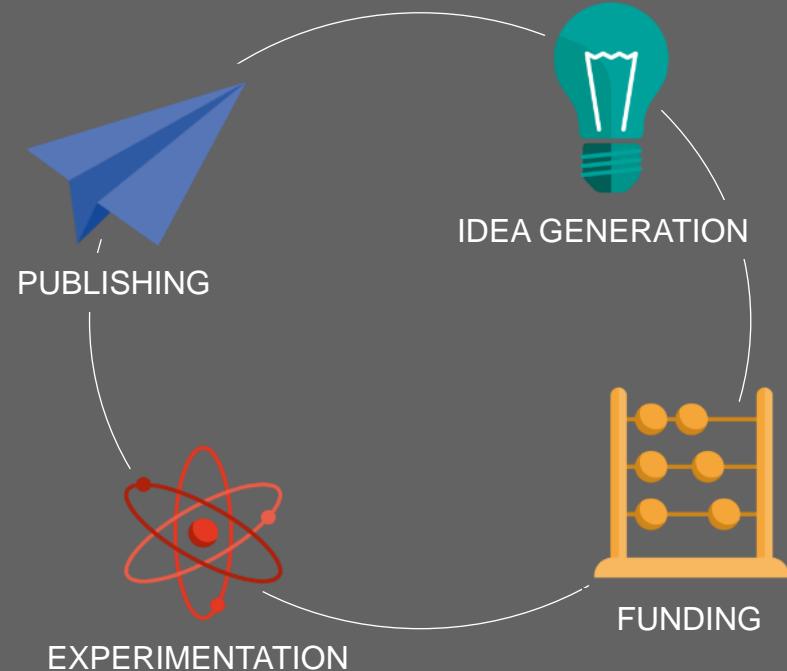
Data stewardship at TU Delft

Responsible

Research Data Management

is part of the research cycle

and Open Science



Data stewardship at TU Delft

- Each faculty assigns a **Faculty Data Coordinator**
- Faculties articulate concrete **policy** and working methods
- Faculties decide whether they **enforce** or **stimulate** data stewardship by PhD students



WHAT'S NEXT?

Awareness, Commitment and Action

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- Data Stewardship
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Open Education

Open Education Potential Projects

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Open Education ideas

- Online Hospitality
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- Enrich Online Learning



Amsterdam Call for Action on Open Science

6 April 2016

2016

Removing barriers to open science

1. Change assessment, evaluation and reward systems in science 8
2. Facilitate text and data mining of content. 10
3. Improve insight into IPR and issues such as privacy 12
4. Create transparency on the costs and conditions of academic communication 14

Developing research infrastructures

5. Introduce FAIR and secure data principles. 16
6. Set up common e-infrastructures. 18

Fostering and creating incentives for open science

7. Adopt open access principles. 22
8. Stimulate new publishing models for knowledge transfer. 23
9. Stimulate evidence-based research on innovations in open science. 26

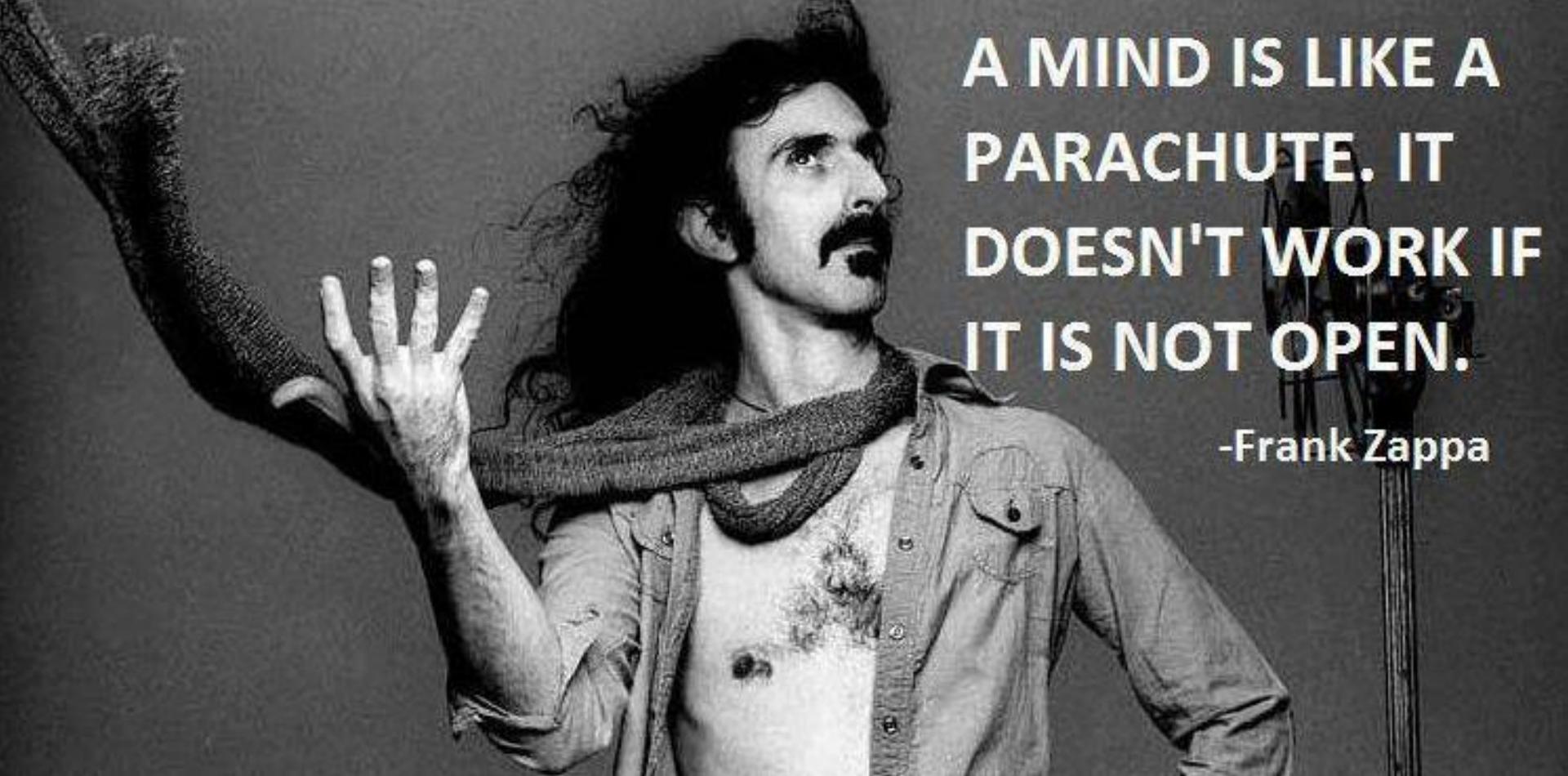
Mainstreaming and further promoting open science policies

10. Develop, implement, monitor and refine open access plans 30

Stimulating and embedding open science in science and society

11. Involve researchers and new users in open science 32
12. Encourage stakeholders to share expertise and information on open science 34



A black and white photograph of Frank Zappa. He is shown from the chest up, wearing a light-colored button-down shirt over a white t-shirt. He has a dark mustache and is looking upwards and to the right with a thoughtful expression. His hands are raised in front of him, palms facing outwards, as if he is gesturing or holding something. The background is dark and textured.

A MIND IS LIKE A
PARACHUTE. IT
DOESN'T WORK IF
IT IS NOT OPEN.

-Frank Zappa