Making open science the new reality

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Overview

- Background (benefits)
- EU / NL
- Open research @tudelft
- Prospect
Before I begin

Two quotes ….

Positive note:
• There is much more possible
• Library can help you a lot
Benefits

• Society:

Universal Declaration of Human Rights (1948) Art.27.1: “Everyone has the right freely to participate in the cultural life of the community, to enjoy the arts and to share in scientific advancement and its benefits.”
Benefits

• Innovation
  – Sharing adds value
  – Accelerating progress

• Science
  – Visibility
  – Efficiency
  – Integrity & Transparency
  – Enlarging knowledgebase
Europe

- Commission on Open Science Policy in Europe
- Open Science Policy Platform (OSPP)
- European Open Science Agenda
- Amsterdam Call for Action (April 2016)
- Competitiveness Council conclusions (May 2016)
  - Every country makes a national plan
“Sharing knowledge as early and open as possible; a new approach to doing research”
Netherlands

- Sander Dekker about Open Access publications (November 2013)
- Roadmap VSNU (Open Access)
- Sander Dekker about Open Science (January 2017)
- National Plan for Open Science (February 2017)
National plan Open Science

• Full open access to publications in 2020
  – Continue the Dutch approach for all Dutch research organisations and research areas whilst recognising their differences and similarities

• To make research data optimally suited for reuse
  – To set clear and agreed technical and policy-related preconditions to facilitate reuse of research data, including provision of the necessary expertise and support (FAIR)
National plan Open Science

• Recognition and rewards
  – To examine together how open science can be an element of the evaluation and reward system for researchers, research groups and research proposals

• To promote and support
  – To establish a ‘clearing house’ for all information regarding all available research support
National plan Open Science
Open Science Programme

- Open.TUDelft.nl + Open Science Guide
- Implementing Data Stewardship at faculty level
- Open Access Monitor
- Establishing Publishing Services
  - Open Access Publishing
  - Toolbox for (Alt)metrics
    - SciVal, AIDA, ORCID, ISBN
    - Start your own OA journal
- Open Science Courses
  - Graduate School
- Year of Open
Open Research: FAIR Data

- Data Management Plans
- Research Data Policy (Generic – Specific)
- Data stewardship within faculties
- Data Labs (on the fly datamanagement)
- Lab Journals (on the fly governance)
- Data Archiving & Publishing (4TU.Research Data)
- Open Data + Authorized access
Why sharing your data?

• Less re-doing of the same experiments
• Some experiments can’t be re-done
  – Meteorology
• Some experiments are too expensive
  – Astronomy, Particle Physics
• Some experiments are less ethical
  – Trials on animals
• In the field of Big Data sharing is already common practice
Open Research: Open Publishing

- **Options are available** – you have a choice
- “Days of the subscription system are numbered”
- “Correct English word is underwrite”
Prospect

• Year of Open
  – **29 May** National Meeting Aula TU Delft
  – Open Access week (October)
  – 2nd lustrum OpenCourseware (November)
  – Open.tudelft.nl/year-of-open

• Strategic framework TU Delft including Open Science
“Possible is more a matter of attitude, 
A matter of decision, to choose 
Among the impossible possibilities, 
When one sound opportunity 
Becomes a possible solution.”

Dejan Stojanovic