Research Integrity and Data Management @ERIM

Organisation and Personnel Management, RSM

Miriam Braskova, 29.10.2019
Topics for today

• What and Why
  – Research integrity (RI)
  – Data management (DM)

• Tools, expertise & policies available

• What future holds
What and Why RI
• **active** adherence to the ethical **principles** and professional standards essential for the responsible practice of research [1]

• conducting research in a **way** which allows others to have **trust and confidence** in the methods used and the findings that result from this. Within the University, conducting research with integrity also means meeting the professional standards [2]
“Research in the sciences and the humanities derives its status from the fact that it is a process governed by standards” [3]
Honesty

Responsibility

Transparency

Independence

Scrupulousness
Netherlands Code of Conduct for Research Integrity

2018

Training and supervision
Research Culture
Data Management
Publication and Dissemination
Ethical Norms and Procedures
What and Why DM
Data

Back-up

Data v2

Published dataset

Metadata

Identifiers

Processed data

Documentation

Raw data
Why DM

• Internal benefits
  – Current - effective research design, data collection, analysis and publishing
  – Future – FAIR (Findable-Accessible-Interoperable-Reuseable) data

• External benefits
  – Transparent/open
  – Identified, cited, tracked
  – Reproducible and replicable
  – Meeting international standards
  – Compliant with polices (e.g. funder, journal)
Tools and Expertise
Tools available

• Data transfer - **SURFfileSender**
• **Working storage** - SURFDrive, Dropbox
• DMP template
• Data publication - **ERIM/EUR data repository**
  – DOI + authorship
  – Citable and trackable
  – for all types of research outputs (data, SW, schema, protocol, case study, ...)

Erasmus University Rotterdam
Expertise available

• Data Steward
  – consult and support your data management needs during whole research lifecycle:
    • Funding
    • Preparation
    • Analysis
    • Publication
    • Archiving
  – Liaison with other relevant parts of organisation and represent your voice and DM needs
• Other expertise - Legal Counsel, Software Engineering & Consulting, Privacy Officer
Policies available

• Netherlands Code of Conduct for Research Integrity
• ERIM polices
  – TOP 10 to DO Basic Privacy and Security for Your Data
  – Basic Principles for Responsible Research Data Management
  – Personal Data and Privacy Impact Assessment in Research
RI/DM for PhDs

**Preparation**
- Welcome day teaser(s)
- Scientific Integrity course
- Research data management workshop

**1st year assessment**
- Research data management plan – prepare, review, submit

**Mid-term evaluation**
- Research data management plan – review, re-submit
- Privacy assessment report – if applicable
- Ethical review approval – if applicable

**Research outputs**
- apply FAIR (Findable, Accessible, Interoperable, Reusable) principle
- Be in line with journal policies
- Manage research towards reproducibility
- Strive for open science – open access publishing (RePub), open research data (EUR data repository)
What future holds
Future Plans & Ideas

• DM introduction presentations
• DM survey/interviews
• Any DM challenge? Speak up!
Have a DM question? Get in touch!

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