



Data management @EUR

**Fostering professionalism
and integrity in research**



Paul Plaatsman, 10 September 2014



Assignment and Mandate

The Taskforce Scientific Integrity has been established with the objective to raise awareness for and to develop proposals to help maintain scientific professionalism and integrity.

The Taskforce formulated many recommendations, some addressing the topic of research data management.



Area	Project	Deliverables	Chapter	Working group members (groupleader in bold)
Research data management		<ul style="list-style-type: none"> - Inventory of user requirements for storing and archiving research data - Recommendations for data management protocols, workflows and platforms 	3	Maarten van Dijck (ESHCC), Monique van Donzel (ABD), Gert Goris (UB), Rikard Juttmann (EMC), Freddy van der Veen (FSW), Finn Wynstra (RSM/ERIM), Marjan Grootveld (DANS, projectleader) , Roel Otten (UB), Gerrit Jan de Bie (EBL)
Training	PhD and faculty training	<ul style="list-style-type: none"> - Research ethics course templates 	4	Bauke Visser (ESE/Tinbergen), Irene van Staveren (ISS), Annet van der Veen (ESL),
Dilemma game		<ul style="list-style-type: none"> - Ready-to-use group-based dilemma-game 	5	Monique van Donzel (ABD), Geske Dijkstra (FSW), Muel Kaptein (RSM), Finn Wynstra (RSM/ERIM)
Pledge-taking		<ul style="list-style-type: none"> - Recommendations scope and format pledge-taking ceremony 	6	Ingrid Robeyns (FW), Annet van der Veen (ESL)
Organised feedback	Seminars	<ul style="list-style-type: none"> - Overview of possible seminar forms, especially to support early feedback 	7	Sonja Meeuwssen (iBMG), Erik Schut (iBMG)
	Process and output of PhD projects	<ul style="list-style-type: none"> - Recommendations for additional checks and balances in PhD process, to increase early feedback 	8	Irene van Staveren (ISS), Maria Grever (ESHCC), Bauke Visser (ESE/Tinbergen)
External relations	Contract research	<ul style="list-style-type: none"> - Recommendations regarding regulation of data ownership and protection academic independence 	9.1	Geske Dijkstra (FSW), Sonja Meeuwssen (iBMG), Erik Schut (iBMG), Sadjie Theeuwes (ABD)
	Media relations	<ul style="list-style-type: none"> - Revised guidelines for researchers how to communicate with formal media 	9.2	Finn Wynstra (RSM/ERIM), Sandra van Beek (SMC)
Monitoring	Integrity coordinators	<ul style="list-style-type: none"> - Clarified task descriptions of local integrity coordinators 	10	Riëtte te Lindert (ABD), Finn Wynstra (RSM/ERIM)

Research data management: Governance

- The Rector Magnificus and the Executive Board
- The deans and directors of research
- University Library and ICT

Executive Board

- Appoint a central research support data officer
- Draft a covenant to the extent that the deans of research or research directors and – at Erasmus Medical Centre – the heads of department embed and evaluate research data management in their institute. They should have room to describe how they will fulfil the data management minimum.

The Faculties

- Socialise young researchers into responsible ways of working. Research data management is not something extra; the attitude should be that responsible data management is integral to professional research.
- A discussion is facilitated on **guidelines for data collection**, and that these address the following integrity risks: replicability, verifiability, independence of data, fairness to subjects, professionalism in the use of data collection methods, fairness to researchers.





The Library and ICT

- Provide **training and advice on research data management**
- Develop the library's virtual desk into a **front office** for researchers, as a central point of expertise in research data management. This includes training and collaboration with long-term archives (the back office). Close collaboration with the Research Support Office (currently under development) is foreseen.
- Develop and maintain an **activating data support website** and select/develop relevant courses/workshops.
- Create **safe storage and backup facilities** for individual researchers, as well as safe ways to share and collaborate on research data.
- Maintain and **offer expertise** to make research staff aware of advantages and risks of particular storage platforms and media, in collaboration with the front office.

Lessons learned

- The proces: *from mere awareness to an actual RDM praxis* is complex
- The basics (standard back up and storage of research data) are not in place yet for researchers
- Appoint a single *central coordinator* and a *clear governance*

Lessons learned, continued

In general:



Knoster.T.(1991) Presentation in TASH conference. Washington DC



Wrap up

- To prevent the frustration, given the limited resources, more **collaboration** between universities is required.
- NWO is in the unique position to **facilitate the implementation of proper research data management in the Netherlands**, in co-operation with the universities, SURF, DANS and 3TU.



Further reading

- <http://www.eur.nl/english/eur/publications/integrity/scientificintegrity/>
- <http://www.eur.nl/fileadmin/ASSETS/ieb/integriteit/dilemmagame-mrg.pdf>