

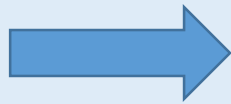
Managing research integrity at an institute: a challenge

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Research Integrity (RI)

Conducting research in such a way that others can **trust** the methods used and results generated.



A study is **reproducible**



Violations of RI

	Local impact	Worldwide impact
Misconduct: Fabrication Falsification Plagiarism	Large	Small
Sloppy Science	Small	Large



Results of sloppy science

Most published research findings are false.

(Ioannides, 2005. PloS Medicine 2, DOI: 10.1371/journal.pmed.0020124).

More than 85% of research investments are wasted due to correctable problems.

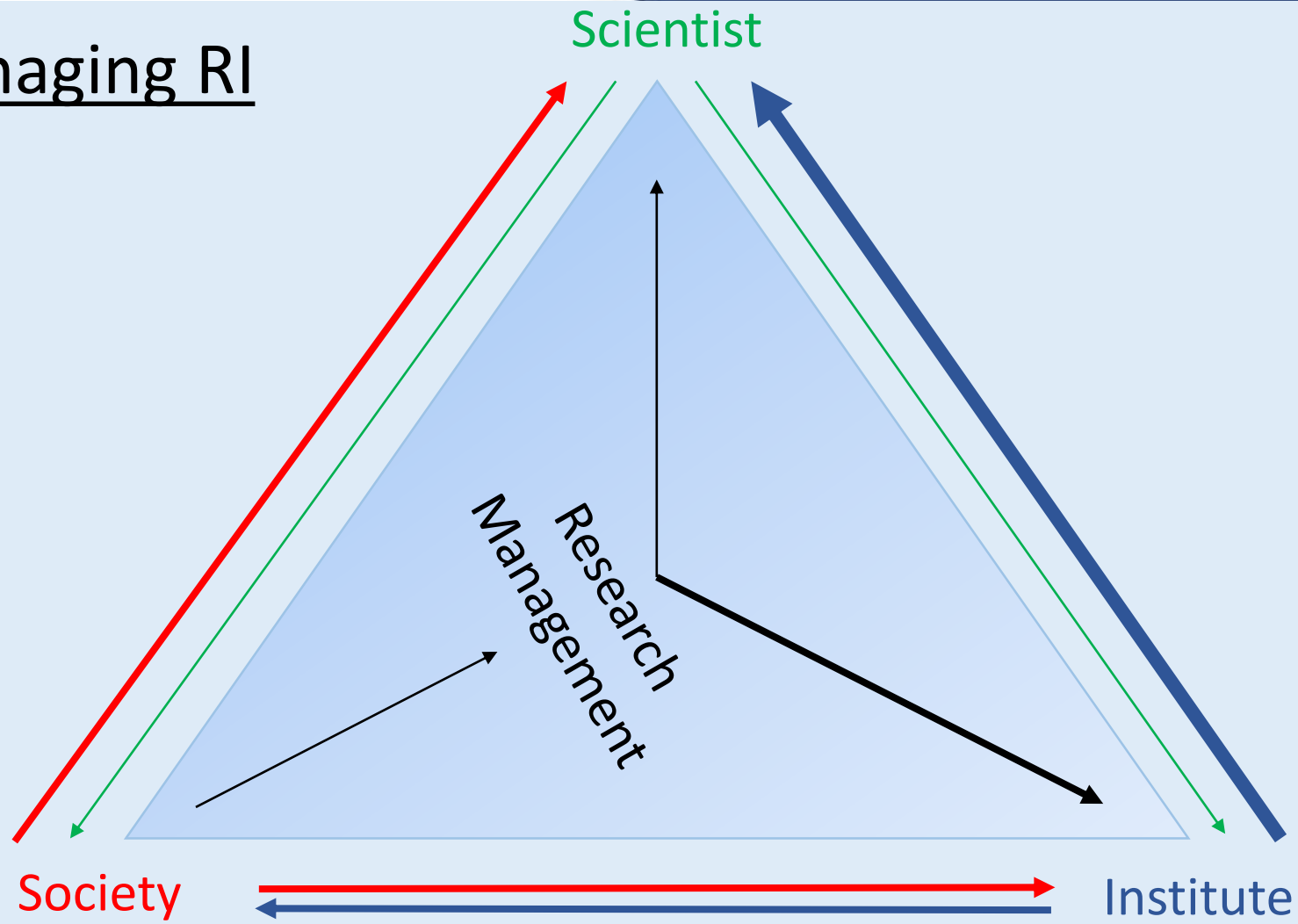
(Chalmers & Glasziou, 2014. Lancet 374: 86-89)



Reproducibility crisis



Managing RI



Bonn-Statement

Forsberg *et al.*, 2018. Working with research integrity—guidance for research performing organisations: the Bonn PRINTEGER Statement.

Science and Engineer Ethics 24: 1023–1034

DOI: [10.1007/s11948-018-0034-4](https://doi.org/10.1007/s11948-018-0034-4)



Bonn-Statement, 2

- Result of the Horizon 2020-project PRINTEGER
- Consortium of Radboud University and 7 other partners
- Signed by consortium plus representatives of EARMA and ALLEA



Bonn-Statement, 3

Addresses 13 topics, re-arranged in 4 major subjects for a management strategy here :

- (1) FAIR data / open science;
- (2) Employment policy;
- (3) Coaching & training;
- (4) Misconduct-handling.



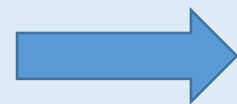
1. FAIR data / open science

Institutional data repository

Conditions of data use

Support FAIR-ification of data

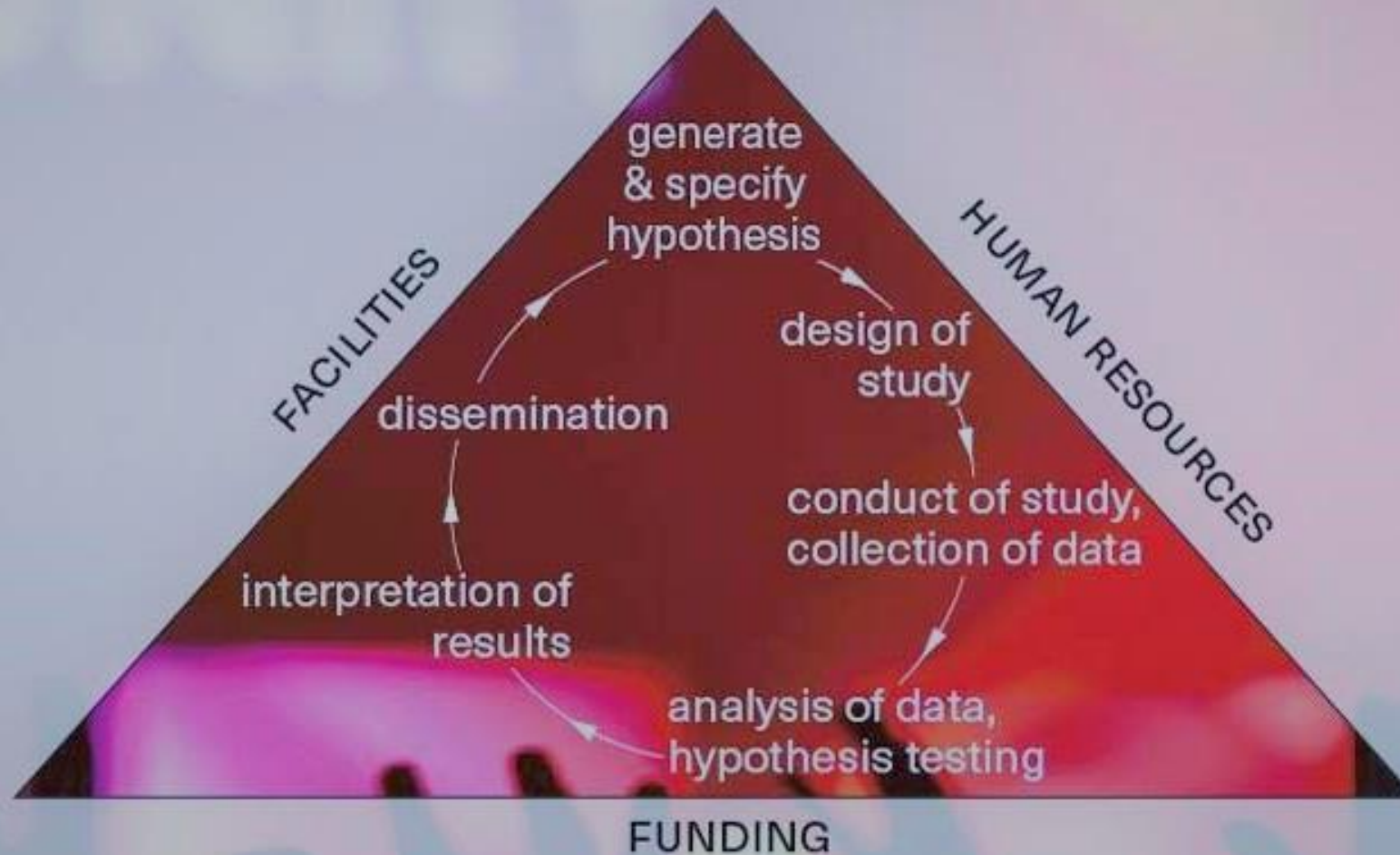
Data quality system based on openness



FAIR turns into FAIR-R(eproducible)



INTELLIGENT OPEN SCIENCE



Intelligent Open Science, 2

Excellence and business of institutions
determined by FAIR-R data in future

Long-term, tailor-made, strategy required

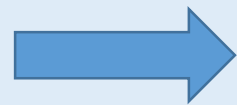


2. Employment policy

Teamwork

Data stewards

Focus on skills and experience
(in stead of publications and grants)



Change of rewards



3. Coaching & training

Teamwork

Intelligent open science

Research integrity
(implementation of codes of conduct)



4. Misconduct-handling

Ghost of the past:

- Ombudsman
- Research Integrity Committee

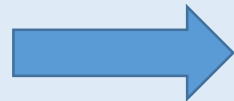


My conclusions

Research integrity is an institutional challenge

Intelligent open science is an opportunity

Institutional research manager is the pivot



Our responsibility



Thanks!

Open for discussion and questions,
now, or, at the dinner tonight

