

B: Data Reproducibility

What are we doing in Singapore,
and what should journals be doing?

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REPRODUCIBILITY:
research integrity but much,
much more



Data Reproducibility & Management

From Policy to Practice to Penalties

Infrastructure & Support

- Provision of storage space for soft data
- Train-the-trainer sessions and faculty on-boarding
- Monthly bulletins (The Compass)
- RI Grant call

Education & Training

- Text and image plagiarism
- Appropriate image treatment
- Training linked to employment
- Comprehensive theses declarations

Governance & Policies

- Data management plans (DMP)
- Data repositories (DR-NTU)
- Electronic lab notebooks (ELN)
- 10 year retention



Compliance & Audit

- Self declarations
- Compulsory plagiarism checking
- Random audits of DMPs
- Whole-of-Singapore approach

Investigation & Discipline

- Whistle-blowing encouraged
- Committee of Investigation
- Committee of Discipline
- Zero tolerance of breaches

“Science, my boy, is made up of mistakes, but they are mistakes which it is useful to make, because they lead little by little to the truth.”

*Jules Verne
Journey to the Center of the Earth*

Thank you

