



# Publishers and RDM

Seminar: 'The Making of Research Data Management Policy'  
Wageningen, December 1, 2016



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Cartoon by Auke Herrema for the Research Data Alliance Plenary, September 2014, Amsterdam

# Publishers and RDM

- Data journals
  - No narrative but data descriptors
  - Quick and easy
  - Publish negative results
- Data Availability Policy
  - Availability of underlying data (different shades of open)
  - List of (preferred) repositories
  - Options: peer review of data, data accessibility paragraph in manuscript, paragraph on reuse
- Data services
  - Search engines (Data search, Elsevier, )
  - Data citation instruments (Data Citation Index, Thomson Reuters)
  - Cooperation with data repositories
  - Other services like Mendeley for data ...

# Data Availability Policy

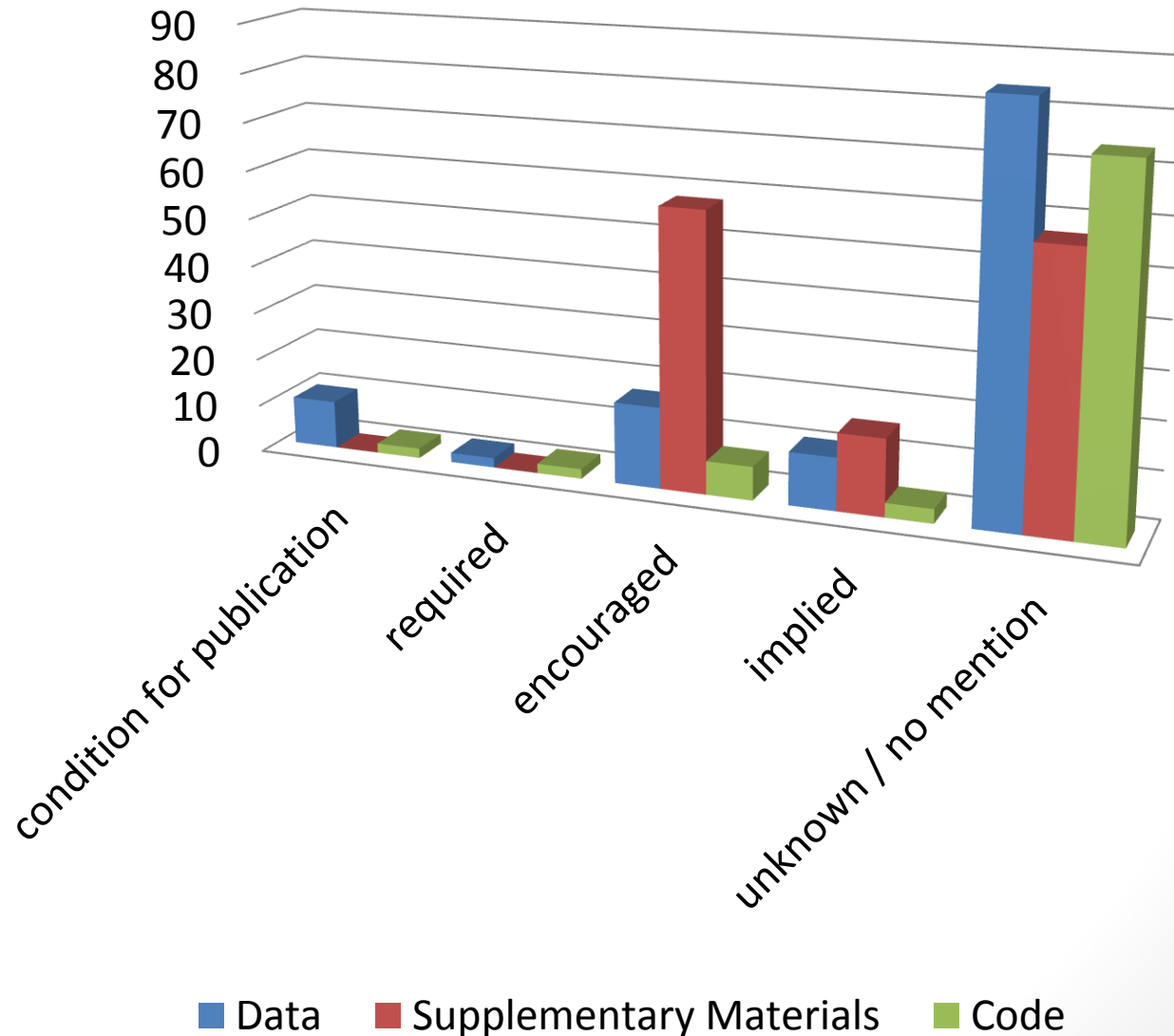


Title list and findings will be available on wiki of the UKB working group Research Data

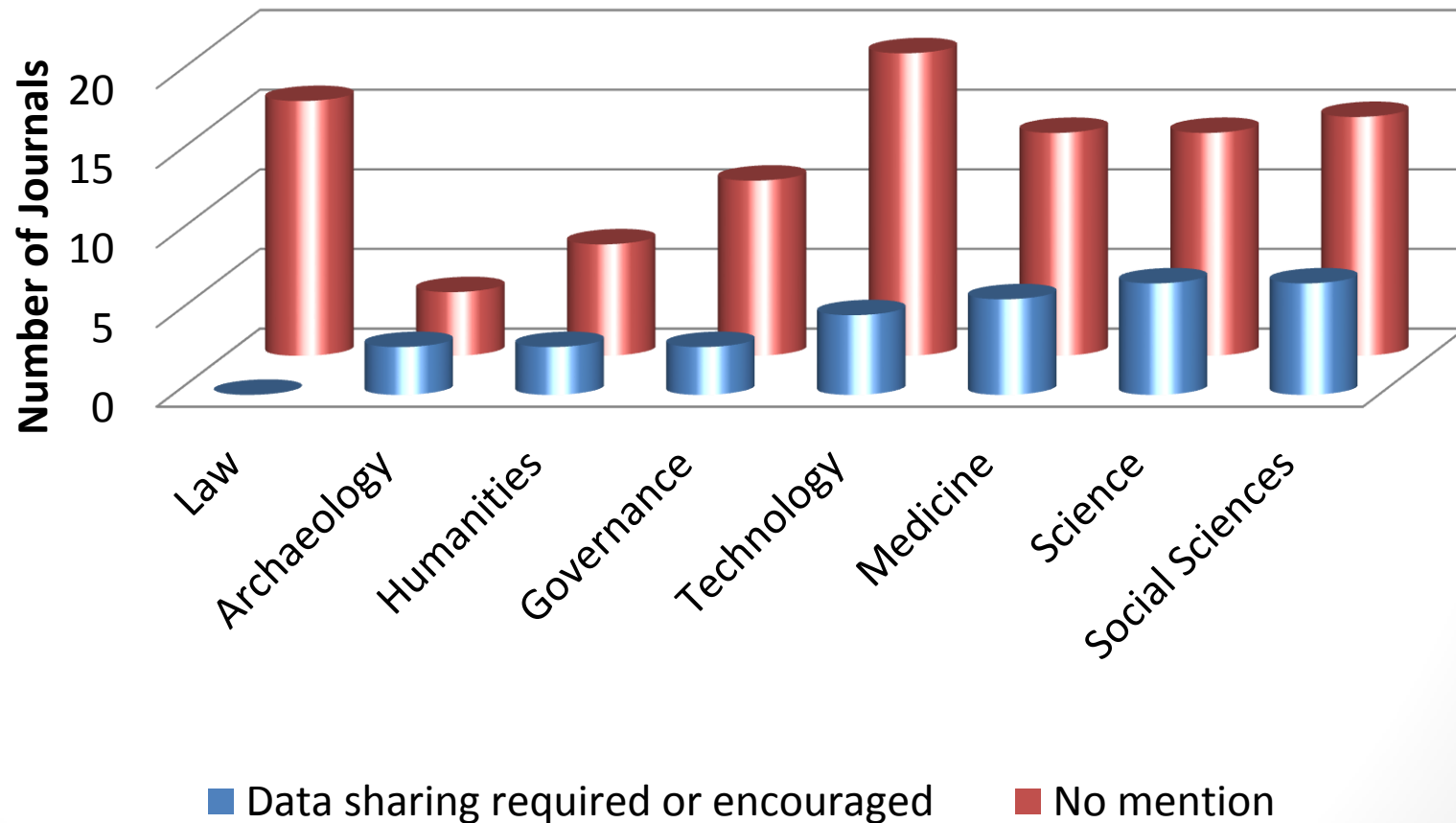
# Data Availability Policy

Sharing is...

n = 128



# Data sharing per discipline



# Example: Elsevier

“ Elsevier supports the principle that "Raw research data should be made freely available to all researchers" and authors should be free to publically post their raw research data”

- Open data pilot
  - upload data as supplementary materials in Science Direct, available for download under a CC BY user license
- Mendeley data
  - authors upload their data in Mendeley, get a DOI, and choose a license

<https://www.elsevier.com/books-and-journals/enrichments/open-data>





# Example : Springer / Nature

“ The journal research data policy landscape is currently too complex and a major effort to harmonise standards across thousands of journals is long overdue. We want to create greater awareness and, where possible and appropriate, action on research data sharing – while recognising some research communities are more ready than others to introduce strong requirements to share data.”

<http://blogs.nature.com/ofschemesandmemes/2016/07/05/promoting-research-data-sharing-at-springer-nature>

## Policy Types

### Type 1

Data sharing and data citation is encouraged

### Type 2

Data sharing and evidence of data sharing encouraged

### Type 3

Data sharing encouraged and statements of data availability required

### Type 4

Data sharing, evidence of data sharing and peer review of data required

# What's the problem?

Too many journals have 'type zero' policy:  
no policy at all or data seen as 'traditional' supplementary materials

- X Data is unavailable after publication
- X Data is behind pay walls
- X Formats (pdf, word) prevent reuse of the data
- X No persistent links to the data
- X Data can not be cited
- X Only part of the data is available

# What publishers can do:

- Require all relevant data to be publicly available in sustainable, reusable formats
- Promote use of certified / sustainable data repository
- Link the article to the data in the repository
- Organise peer review of data

Briefly: adopt type 3 or type 4 policy from Springer / Nature

# What data archives can do:

- Enable peer review before publication of study
- Make it easy to cite data
- Make it easy to link to the publication
- Track citations of the data

# What libraries can do:

- Inform researchers about Data Availability Policies and guidelines in their discipline
- Advise researchers on best way to make data underlying a publication available
  - Conversation will be easier if researchers are used to publications with supplementary materials?
- Help researchers deposit data in a sustainable repository
- Create (international) tool for registration of Data Availability Policies?

# Statement

- For the sake of research quality, institutions must make sure that all data underlying the publications of their researchers are publicly available in a sustainable manner.