

Open scientific data for all: A legal blueprint

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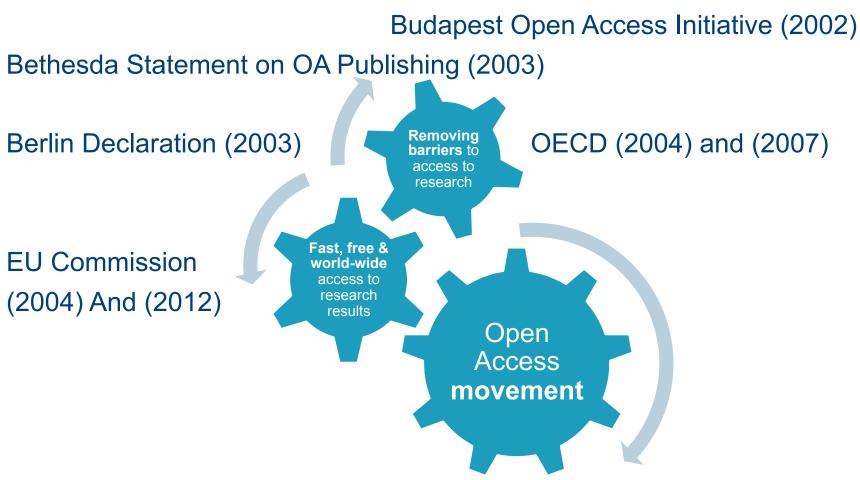
- 1. What is Open Access?
- 2. Scientific Data



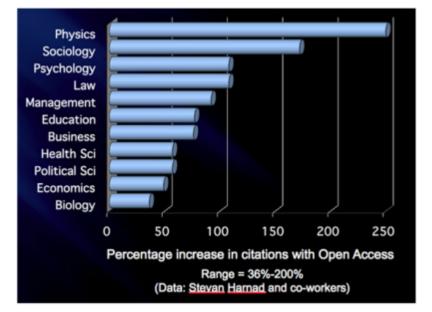
- 3. Legal barriers
 - 1. Privacy and data protection
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Open Access ?



"Open Access (OA) literature is digital, free of charge, and free of most copyright and licensing restrictions"



http://www.openoasis.org/index.php? option=com_content&view=article&id=560&Ite mid=391 (2010)



Benefits

FOR SCIENCE

- Improved and faster access and dissemination
- Avoid duplication of efforts
- Accelerate innovation
- Enhanced opportunities for multidisciplinary research and inter-institutional collaborations
- Citation benefits (2010 Study)

FOR BUSINESSES

- Increasing returns on investment in discovery and commercialization
- New industries built on publicly accessible data

FOR CITIZENS

- "Informed citizen" makes better choices



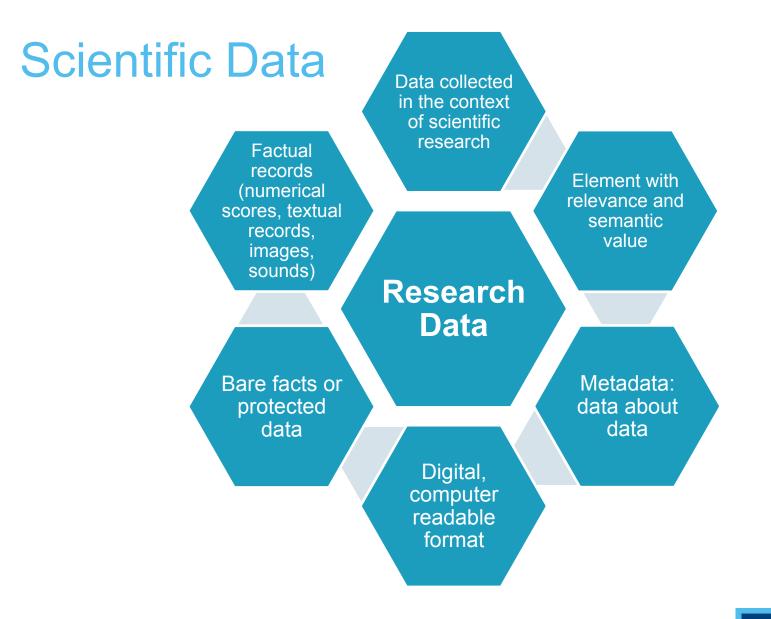
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Barriers to Open Scientific Data

Cultural barriers

Accessibility

Technical barriers

Legal barriers

Ethical issues

Price tag Data Preservation

"MY data" Data management

Awareness

Social barriers

Sustainability

Lack of financial models

"Data-hording" Organizational barriers

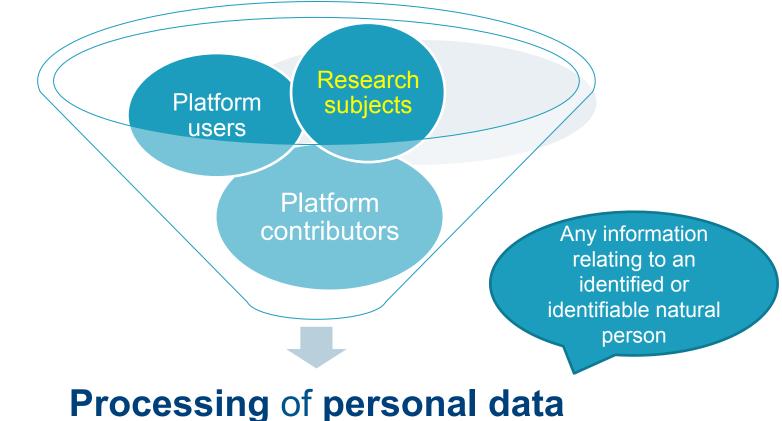
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Privacy and Data Protection

- European Charter of Fundamental Rights
- European Union Data Protection Framework: Directive 95/46



National Data Protection Framework

Privacy and Data Protection

Anonymisation

"Any information relating to a natural person where the person cannot be identified whether by the data controller or by any other person, taking into account of all the means likely reasonable to be used either by the controller or by any other person to identify that individual."

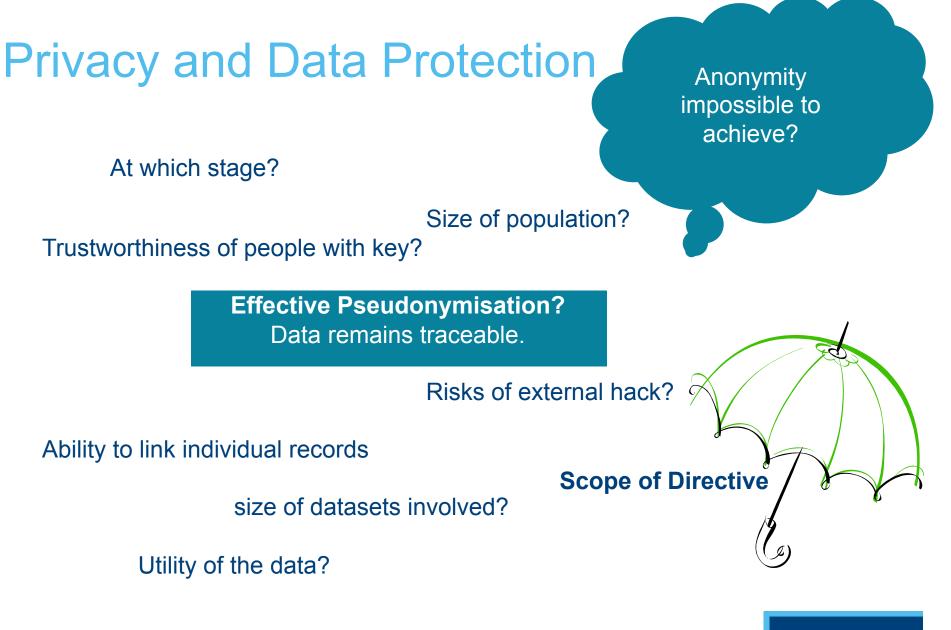
Re-identification

Jig-sawing identification : the phenomenon where clever adversaries –with the help of powerful search technology and increased computing power- can re-identify or de-anonymize the data subjects hidden in the database

Pseudonymisation

The direct identifier is removed, but the individual is still indirectly identifiable, e.g. by linking different sets of data or by using corresponding lists for identifiers and their pseudonyms or two-way encryption algorithms.





Intellectual Property Rights

- Copyright regime Directive 96/9
 - Originality in structure, selection and wording of data
 - Copyright holder
- Sui Generis Database protection Directive 96/9
 - Substantial investment in obtaining, verification or presentation of its contents
 - Database right holder

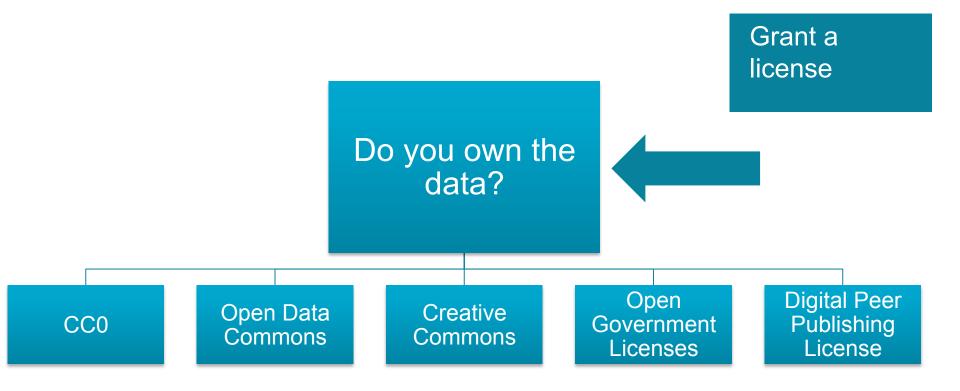
On a case by case basis



Copyright for selection, arrangement and organization Database right for substantial investment



Licensing Framework



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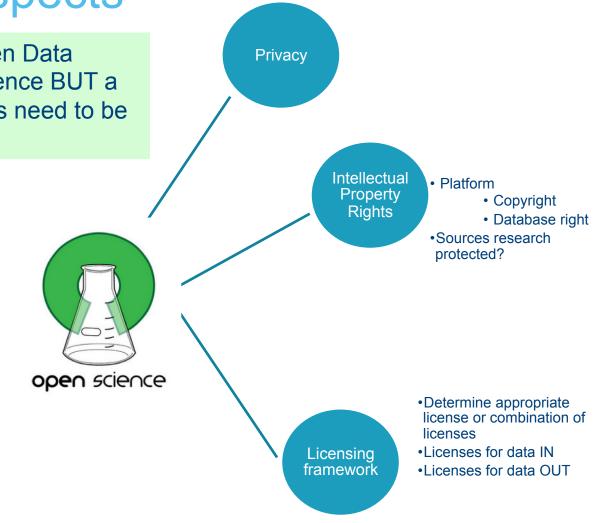


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Legal aspects

Concept of Open Data gaining prominence BUT a myriad of issues need to be resolved





Contact

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