How to protect your data in an open research culture

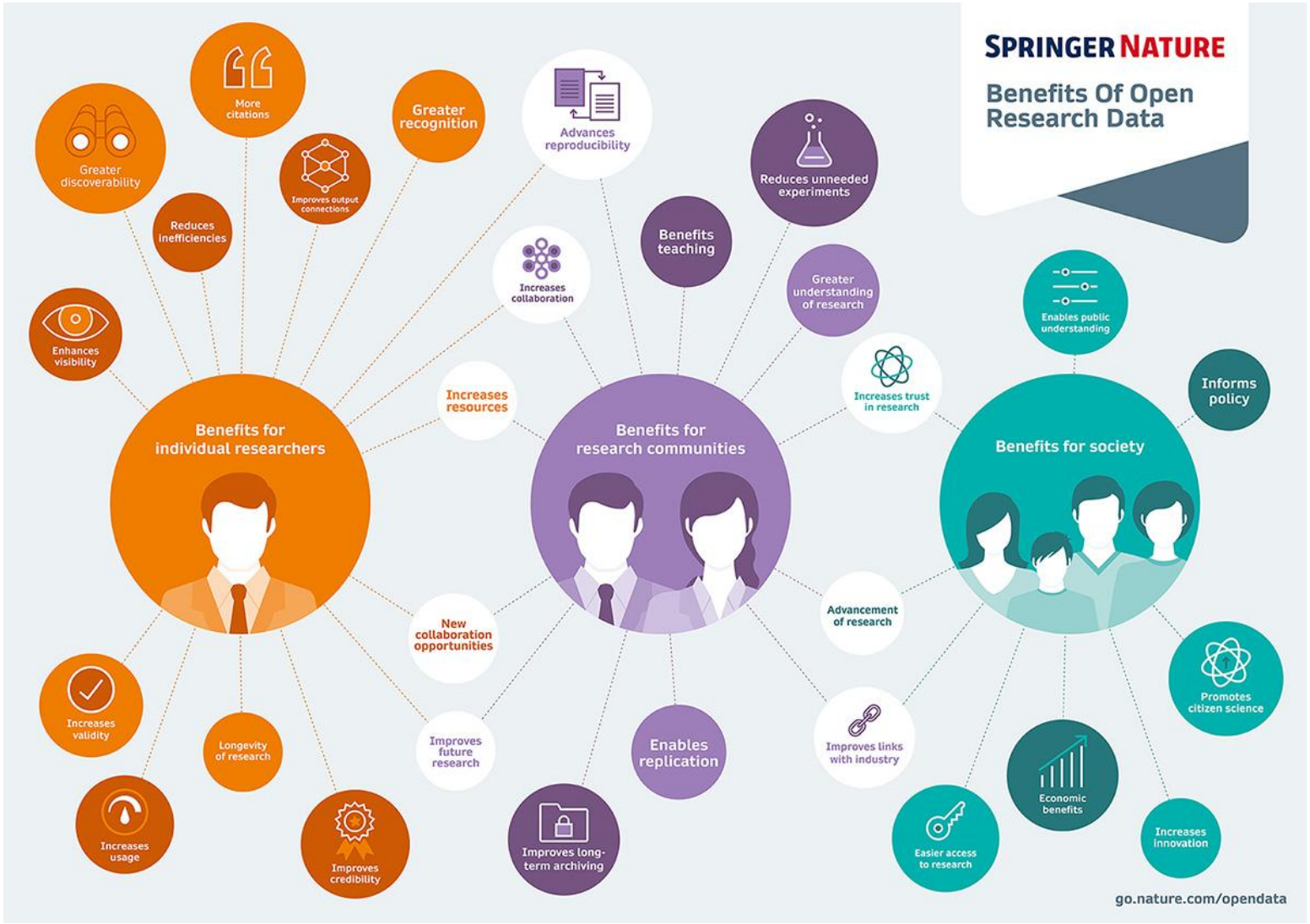
Lindsay Ramage – RIO, Leader of Research Information Management
Lyn Gibson – IS, Repository support

Intro to session

- Why make research data open?
- What is research data?
- What data should/should not be open?
- How do I make data open?
- How do I protect my data
- Open Licences

Why open research data?

Edinburgh Napier UNIVERSITY



Edinburgh Napier UNIVERSITY

What is data?

"A reinterpretable representation of information in a formalized manner suitable for communication, interpretation, or processing."

Digital Curation Centre

What data is generated in research at this University?

EC definition: ‘Research data’ refers to any information, including facts or numbers collected to be examined and considered for a basis for reasoning, discussion or calculation

In groups/pairs discuss what research data you generate based on DCC and EC definitions– 3-5 mins

Record on post-its/ flipcharts

Research data types:

Statistics, experimental results, measurements, observations, survey results, interview recordings, interview transcripts, images, datasets, databases, diaries, field notes, software, video, audio, Text documents, secondary data (e.g. household survey data), Simulation data & models, biological slides, artefacts, specimens, biological samples, sketches, lab books, social media data, methodology/protocols

What do you need to consider before making research data open?

- Legal requirements – data protection, Intellectual Property ownership
- Funder T&Cs and policies
- University policies and requirements – data management, Open Access, IP, ethics

What is the purpose of your research:

- Do you want to publish?
- Can this be commercially exploited?

Protecting your data

- Cannot be made available – must have justification eg,
  - Ethics/consent; cant anonymise participants, danger to others
  - IP; don't own or want to protect to exploit later

- Open access
  - Unrestricted fully open – use as you want
  - Protected by open data licence – determine how used, attribution

- Commercial and legal protection
  - Commercial licence
  - Patent
  - Copyright http://www.copyrighthub.org/copyright-resources/

Commercial and legal protection at Napier

- 1st point of contact Business Engagement team
  - Assess if data can meets criteria for protection
  - Liaise with you and university lawyers

Open Access Publishing

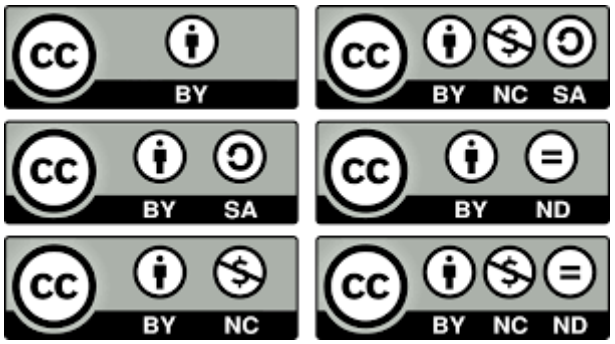
The University and research funders and REF require research publications to be open access. This can be in fully OA journals or by deposit in the repository.

Publishers may require the research data or the publication itself to be under open licence (normally published version is copyrighted by publisher).

You need to be aware of how your data will be used/available once published.

Creative Commons Licences

Most Commonly used Creative Commons licences in Open Access Publishing



- **CC-BY 4.0 –** you must cite the original

- **CC-BY-NC-ND** 4.0 as above but with restrictions -
  - **NonCommercial** — You may not use the material for commercial purposes.
  - **NoDerivatives** — If you remix, transform, or build upon the material, you may not distribute the modified material

Where to find more information

- Creative Commons webpages
  - https://wiki.creativecommons.org/images/6/6d/6licenses-flat.pdf
- Sherpa Juliet: Funder policies about publications
  - http://v2.sherpa.ac.uk/juliet/
- Sherpa Romeo: Individual Journal Policies
  - http://www.sherpa.ac.uk/romeo/index.php
- Open Access blog: Information about open access publishing - http://blogs.napier.ac.uk/open-access/

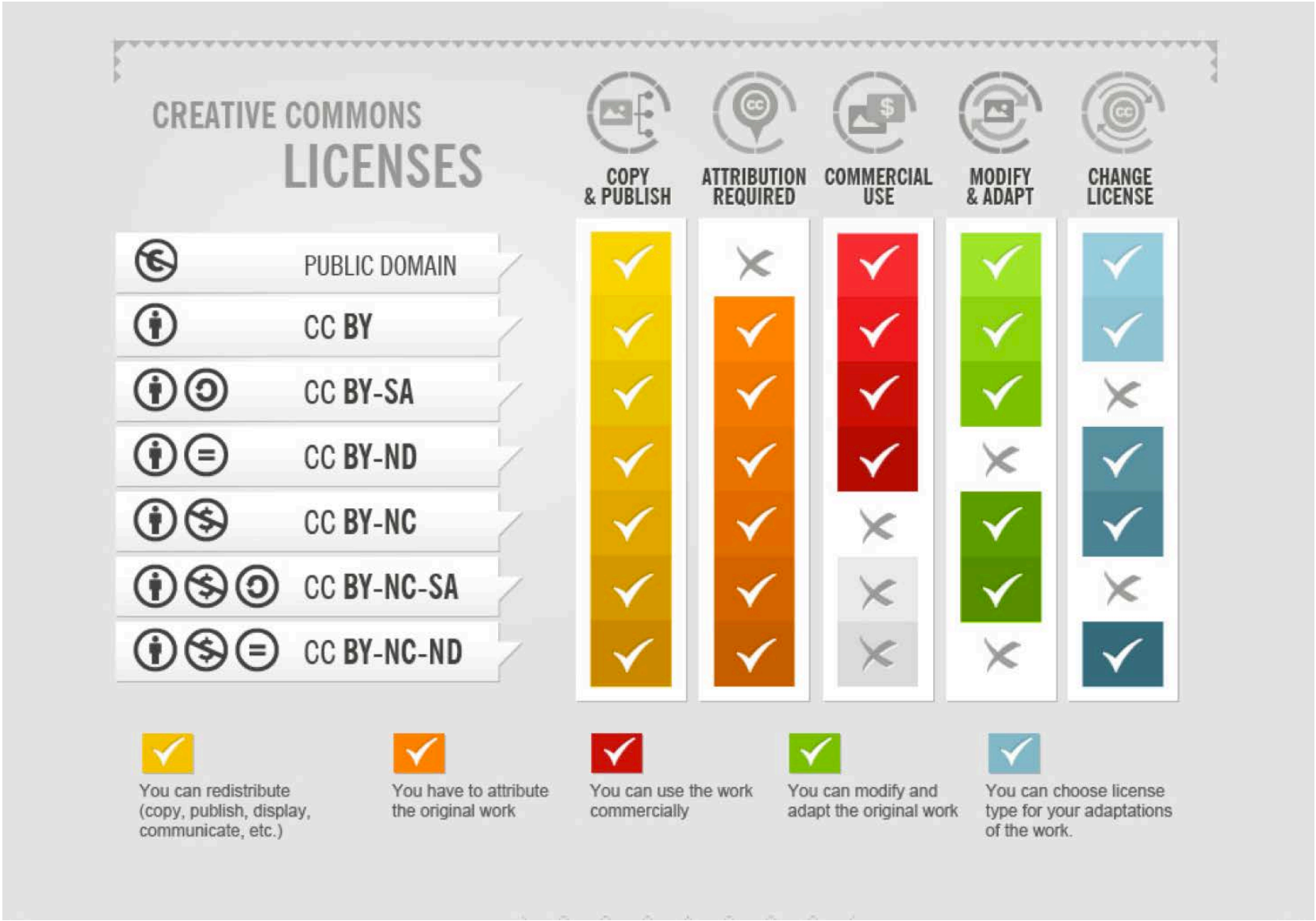
Types of open data licence

- Creative commons
  - https://creativecommons.org/share-your-work/licensing-considerations/
- Open government licence
  - http://www.nationalarchives.gov.uk/doc/open-government-licence/version/3/
- Open source licence
  - https://opensource.org/licenses

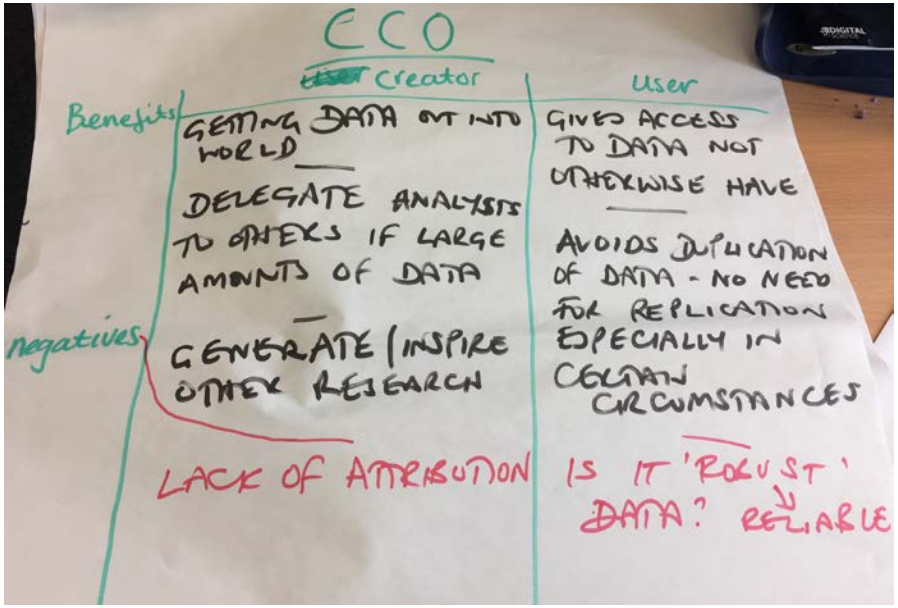
- Review licence details – on handout/ poster
- Capture pros/cons for sharer and user on post-its & flip charts
- 20mins

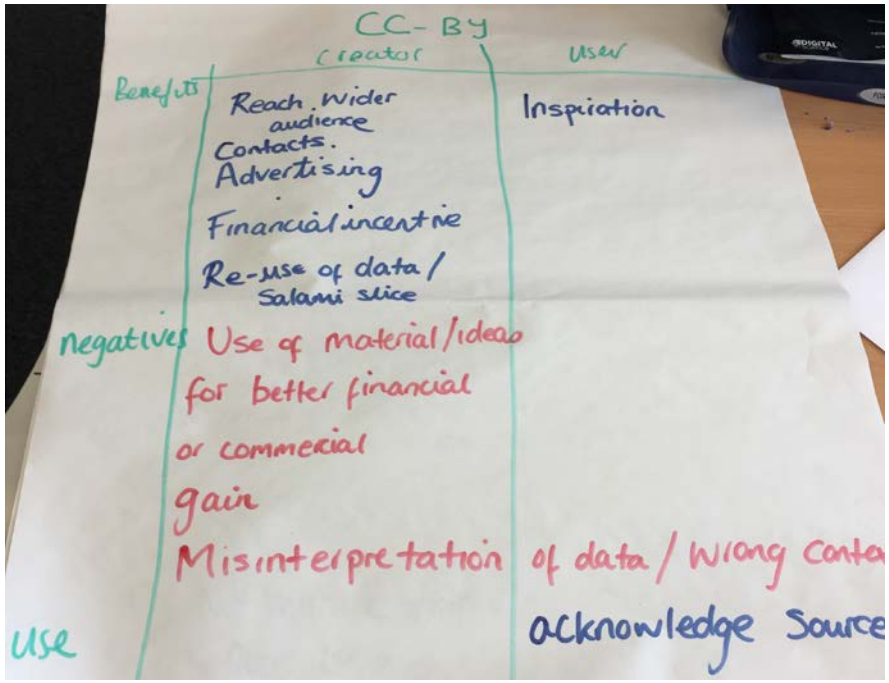
- Collect feedback from groups and discuss

Edinburgh Napier UNIVERSITY



Thoughts on Licences - 1





Thoughts on Licences - 2