

Good practices for licences overcoming usage barriers for INSPIRE data

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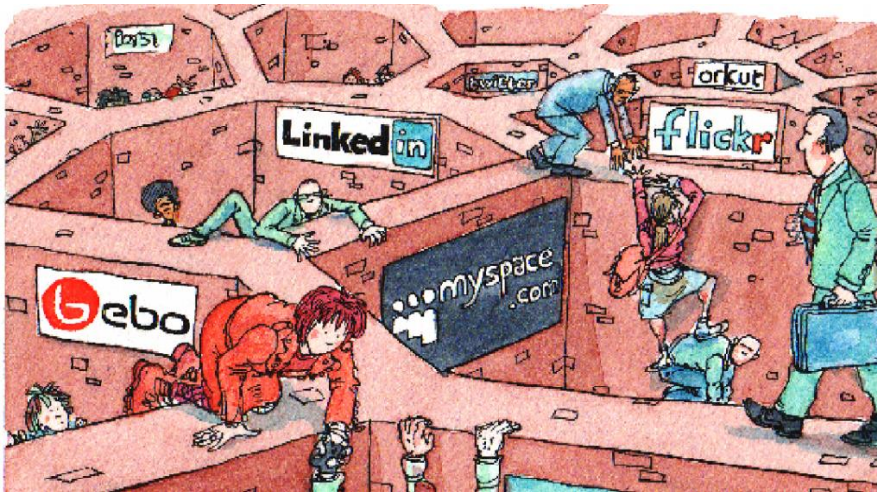
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'Big data' + Big variety of data policies = Data silos

- The volume of (geospatial) data is growing
- Paradoxically, not all this data is necessarily ready/easy to be re-used, especially when combining it with other data sources:
- **Why?**
 - Technological interoperability barriers (formats, access control...)
 - but also, the variety and lack of interoperability of the applicable terms of use

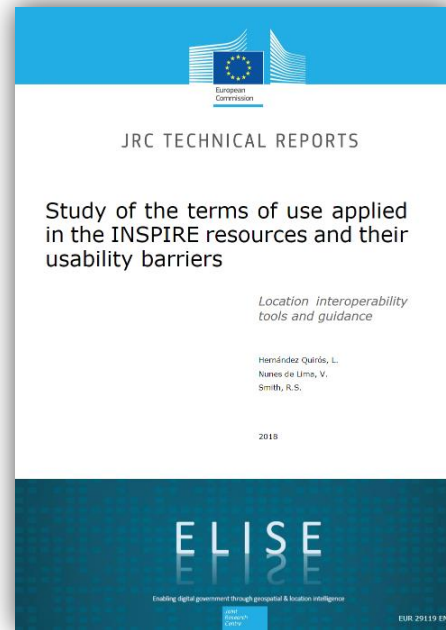


Source: <http://www.ekoob.com/did-you-check-out-the-google-wonder-wheel-9730/>

Assessing the state-of-play for INSPIRE

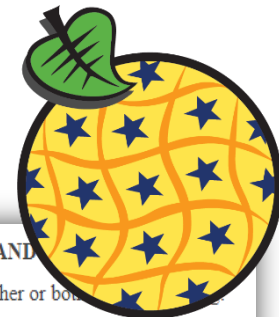
- To assess the INSPIRE data-sharing conditions ARe3NA has performed a 'Study of the terms of use and the usability barriers of the INSPIRE data resources' * to:
 - Provide an **overall picture** of the data-sharing approaches being used with geospatial data and services accessible from the INSPIRE Geoportal
 - **Highlight the users' barriers to data-sharing** as a first step towards possible solutions

Outputs from this Study have been shared with DG Connect, for their review of the PSI Directive.



* <http://publications.jrc.ec.europa.eu/repository/handle/JRC109943>

INSPIRE data sharing principles



- INSPIRE provides several rules and recommendations **to share datasets in harmonised conditions.**
- Regarding data-sharing, the Implementing Rules 1205/2008 on Metadata require two free-text metadata fields to be completed:
 - *Conditions for Access and Use*
 - *Limitations on Public Access*
- However, data providers **can choose the licensing and pricing conditions** applying to their resources.

8. CONSTRAINT RELATED TO ACCESS AND USE

A constraint related to access and use shall be either or both of the following:

- a set of conditions applying to access and use (8.1),
- a set of limitations on public access (8.2).

8.1. Conditions applying to access and use

This metadata element defines the conditions for access and use of spatial data sets as required by Article 5(2)(b) and Article 11(2)(f) of Directive 2007/2/EC.

The value domain of this metadata element is free text.

The element must have values. If no conditions apply to the access and use of the data, the value 'unknown, 'conditions unknown' shall be used.

This element shall also provide information on any fees necessary to access and use the data (URL) where information on fees is available.

8.2. Limitations on public access

When Member States limit public access to spatial data sets and spatial data services, they shall provide information on the limitations and the reasons for them.

If there are no limitations on public access, this metadata element shall indicate that there are no limitations.

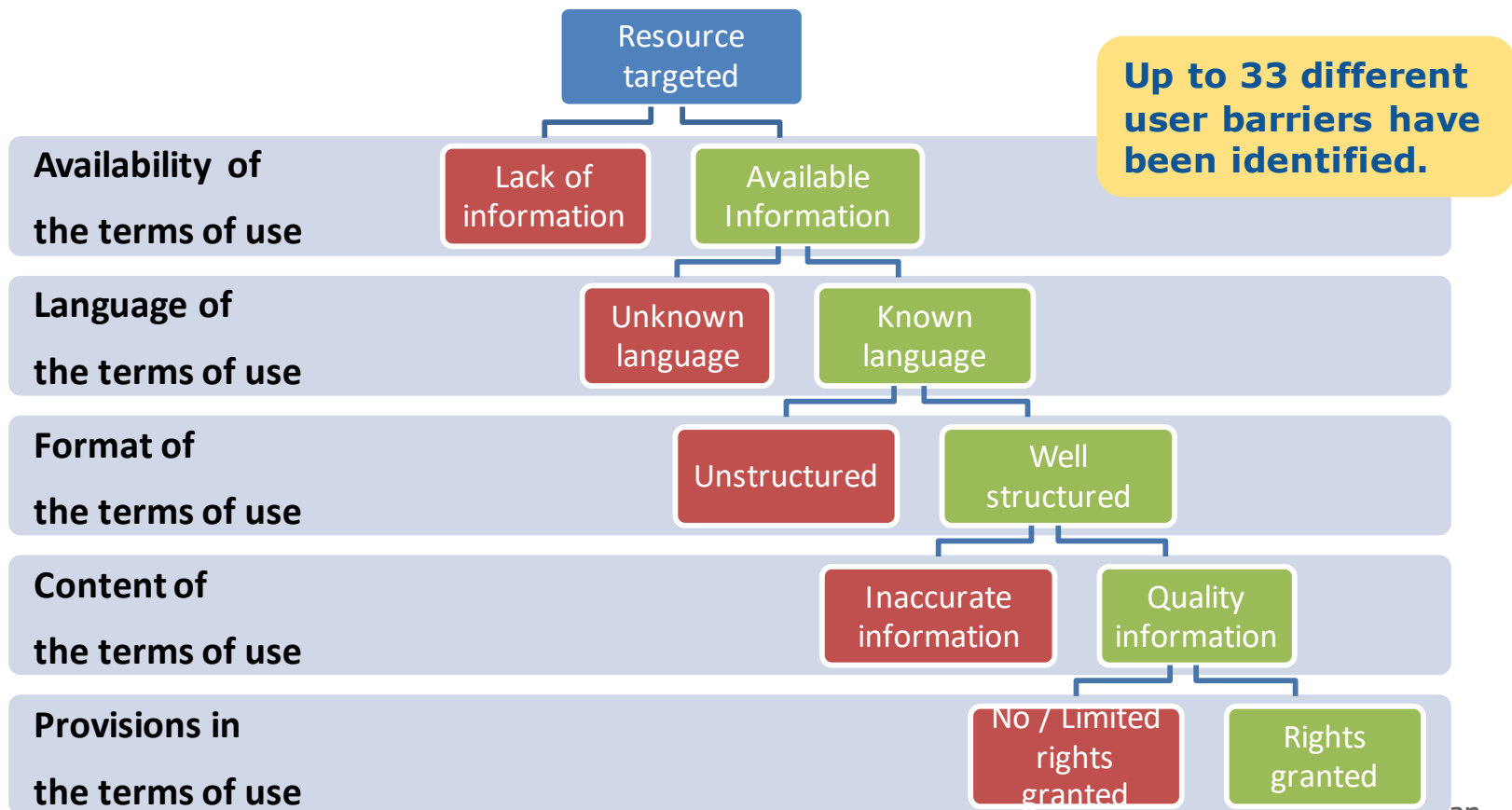
The value domain of this metadata element is free text.

Methodology

- **Desk experiment** where we take the **role of a user**
 - aiming to reuse certain data resources potentially also **for commercial purposes**
 - By **interpreting** the information provided by the **INSPIRE metadata** and complementary information retrieved through the **INSPIRE geoportal**.
- To do this, a structured analysis of the text relating to terms of use was done:
 - At the **metadata level**: availability, completeness...
 - At the **terms of use level**: language, versioning, type and name of license document (if any), format, fees, open data, type of conditions, prohibitions, rights granted...

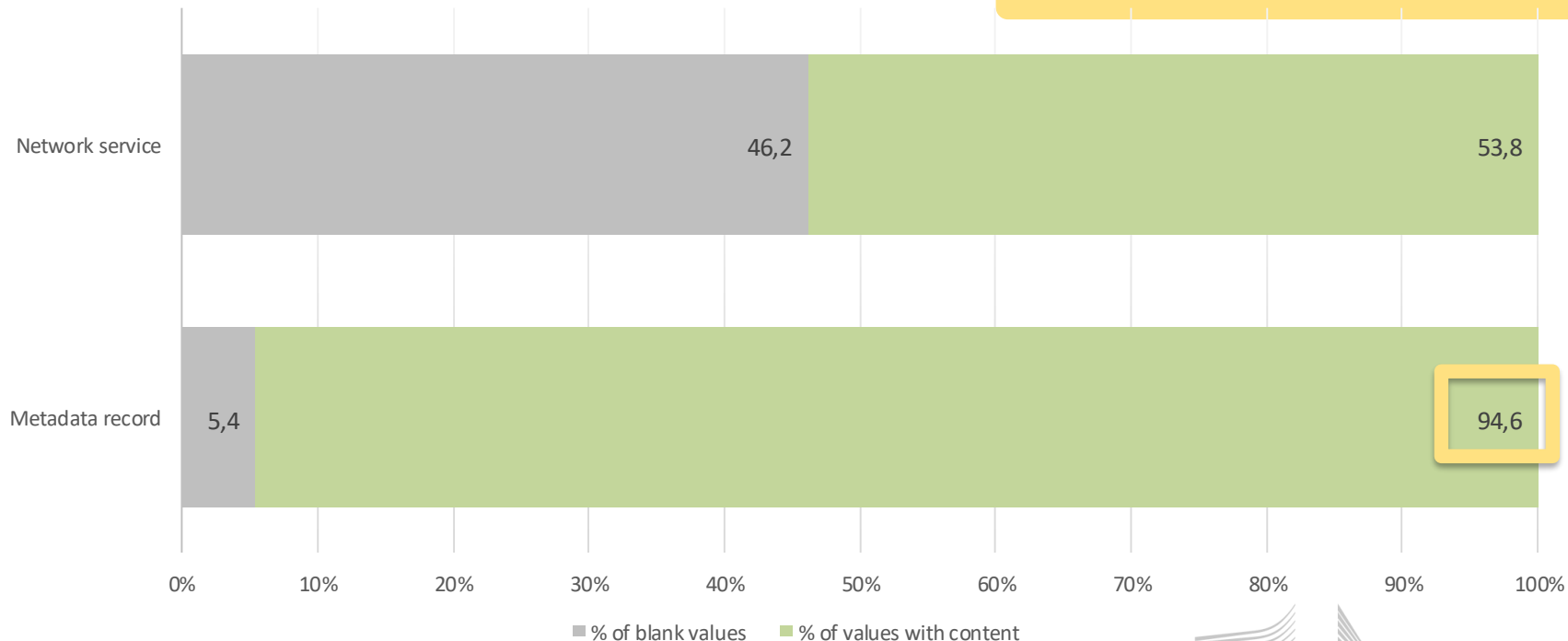
29,876 metadata records collected on the **22/01/2016** from the INSPIRE Geoportal were processed (alongside the ARe³NA study on Access Control).

Findings: User barriers encountered



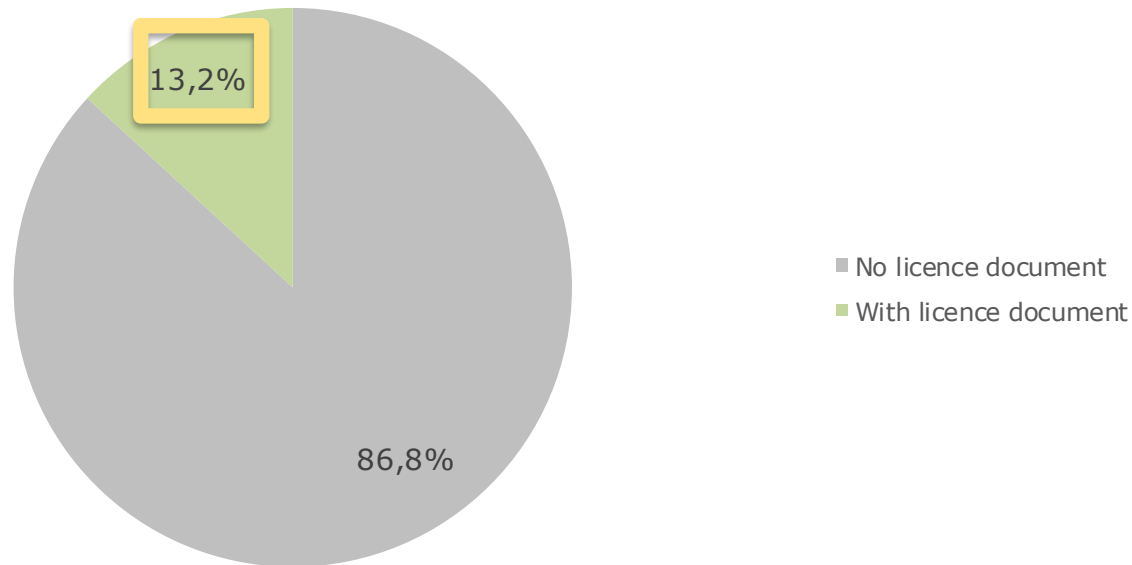
Findings: Availability of information for *Conditions for Access and Use*

> 800 different terms of use

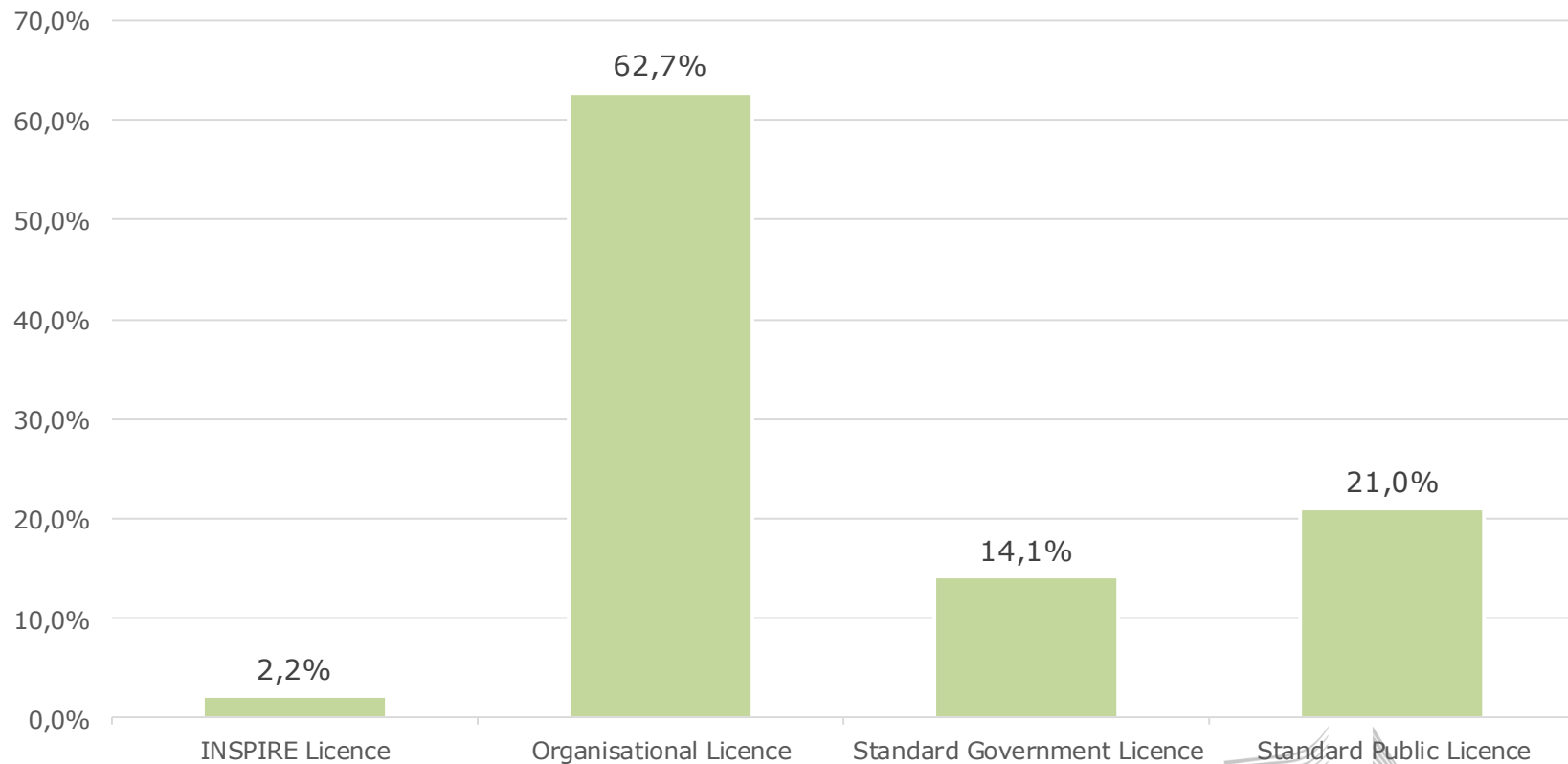


Findings: Resources referring to specific data licence documents

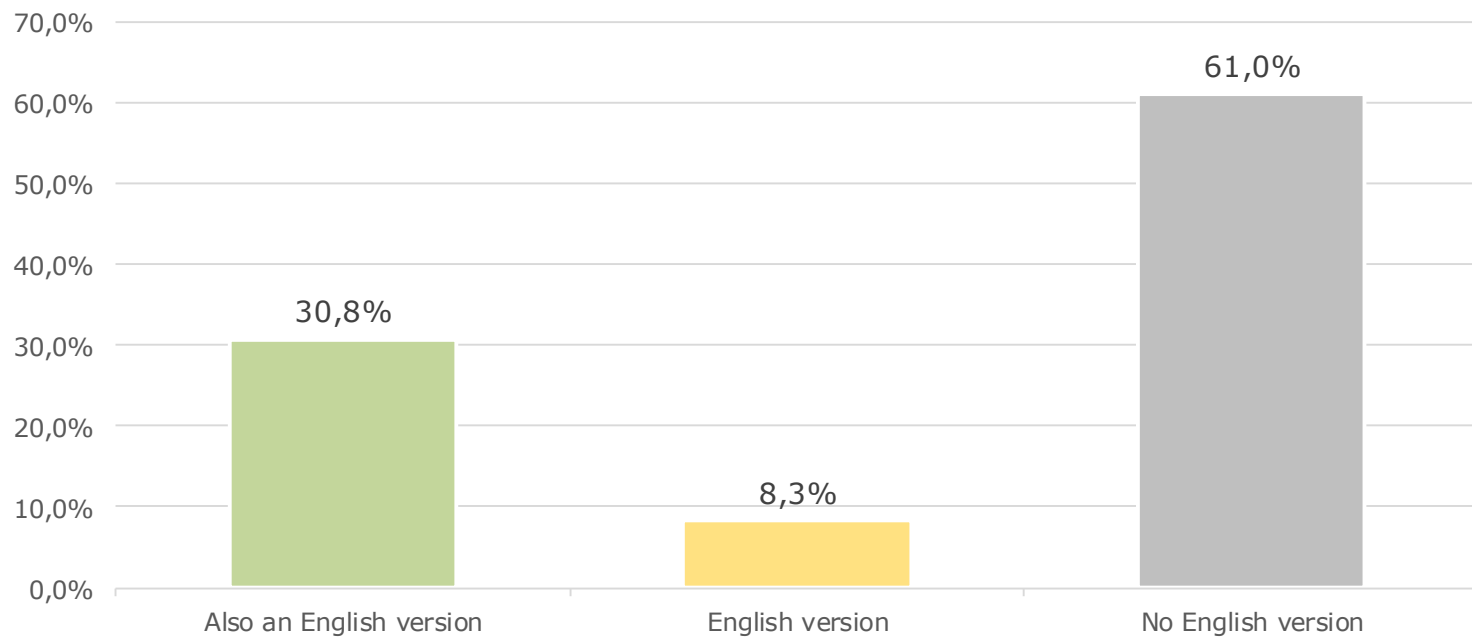
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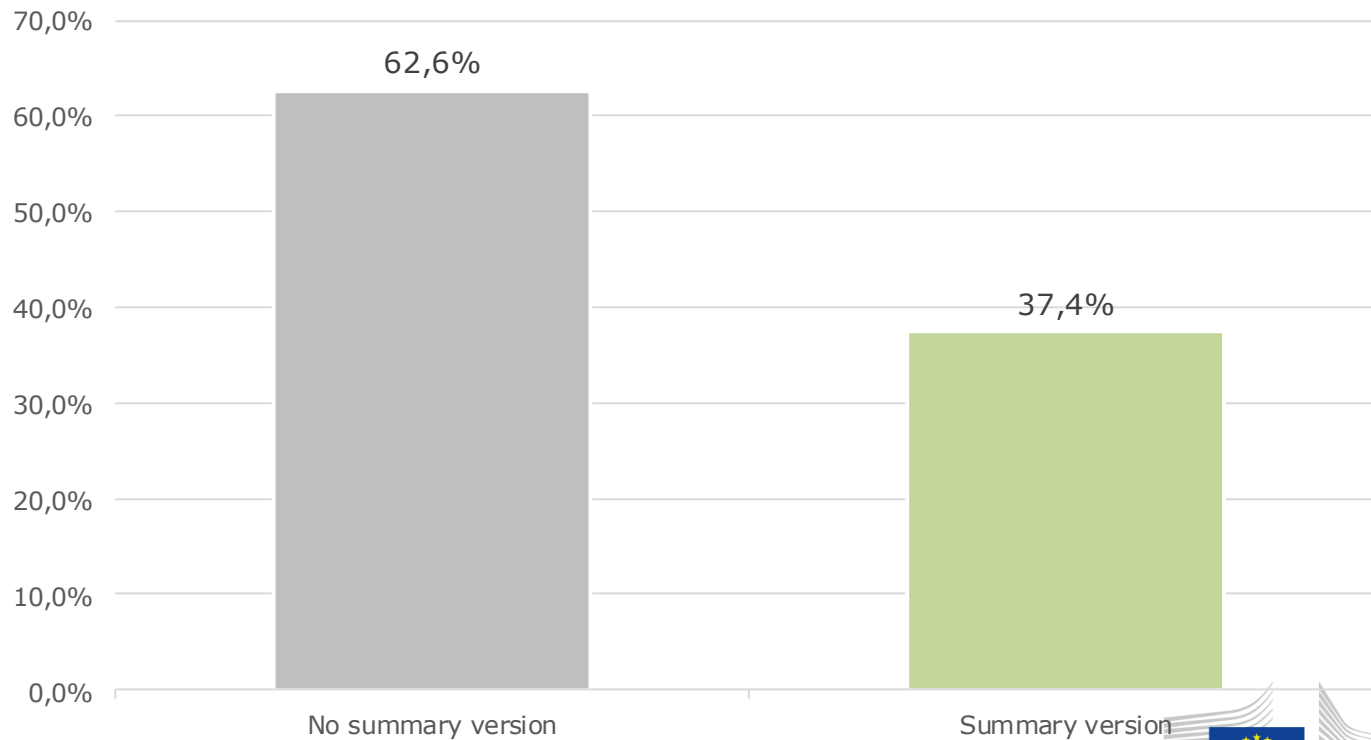
Findings: *Data licence schemes*



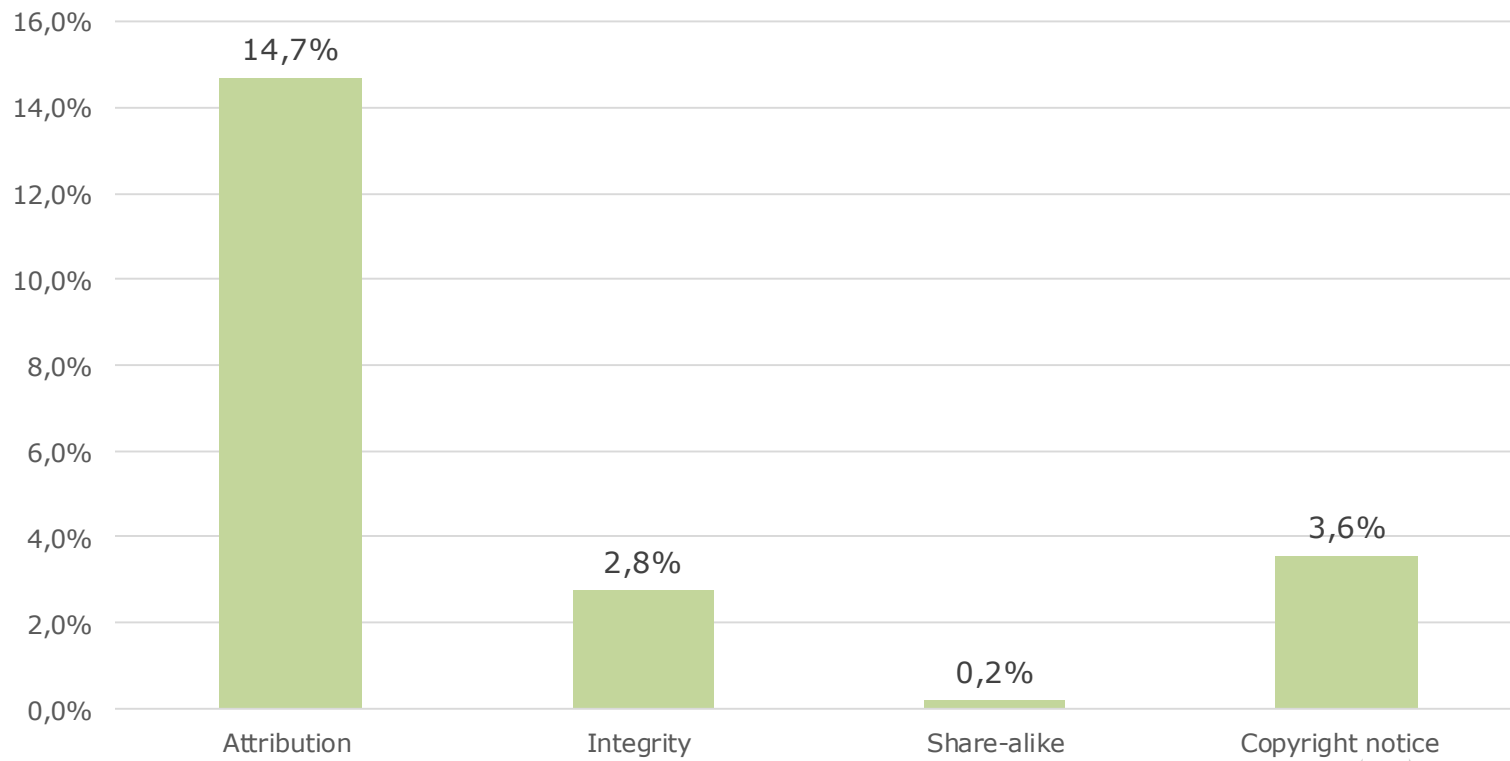
Findings: *Licence by language*



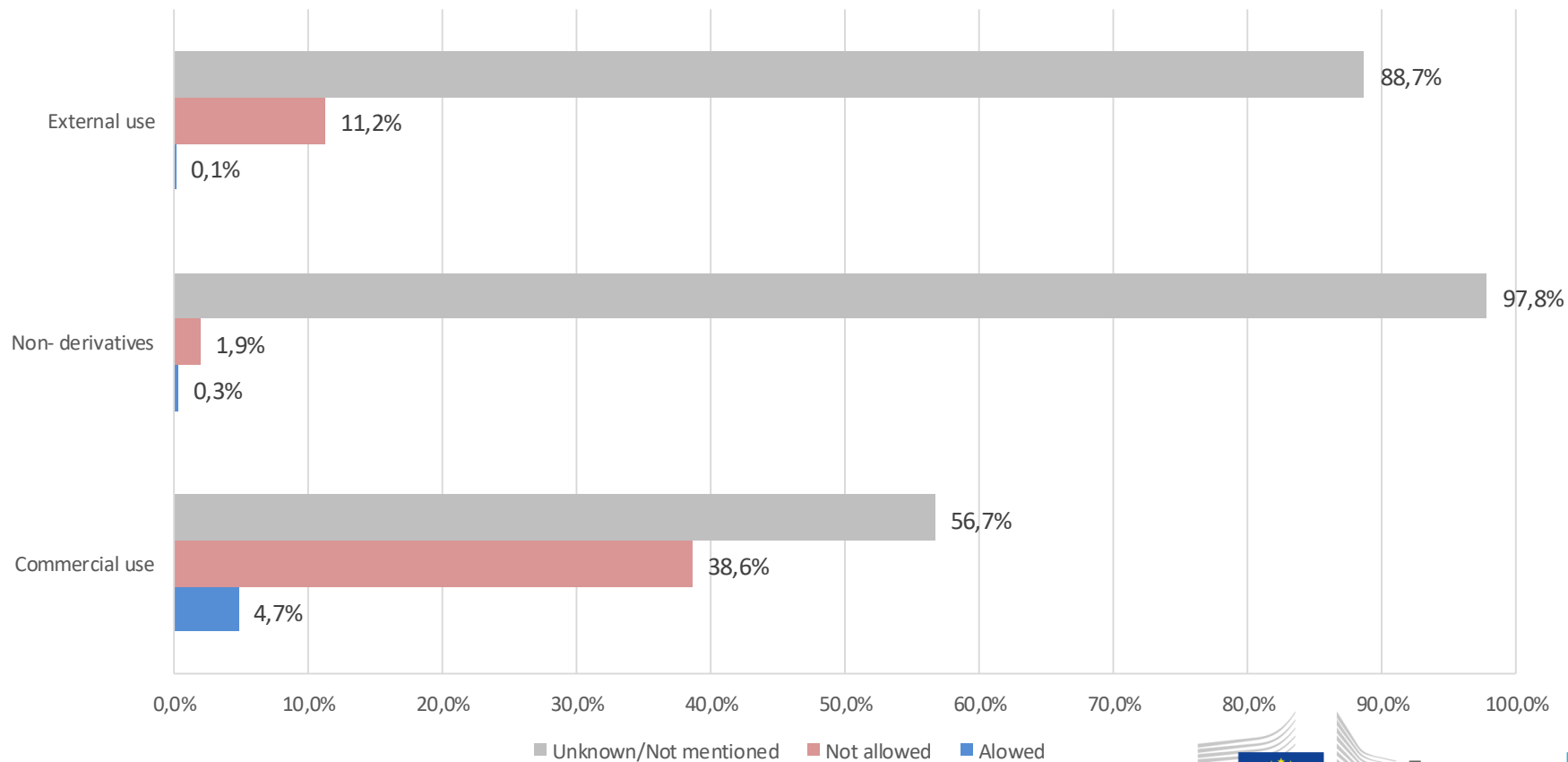
Findings: *Summary version on those with licences*



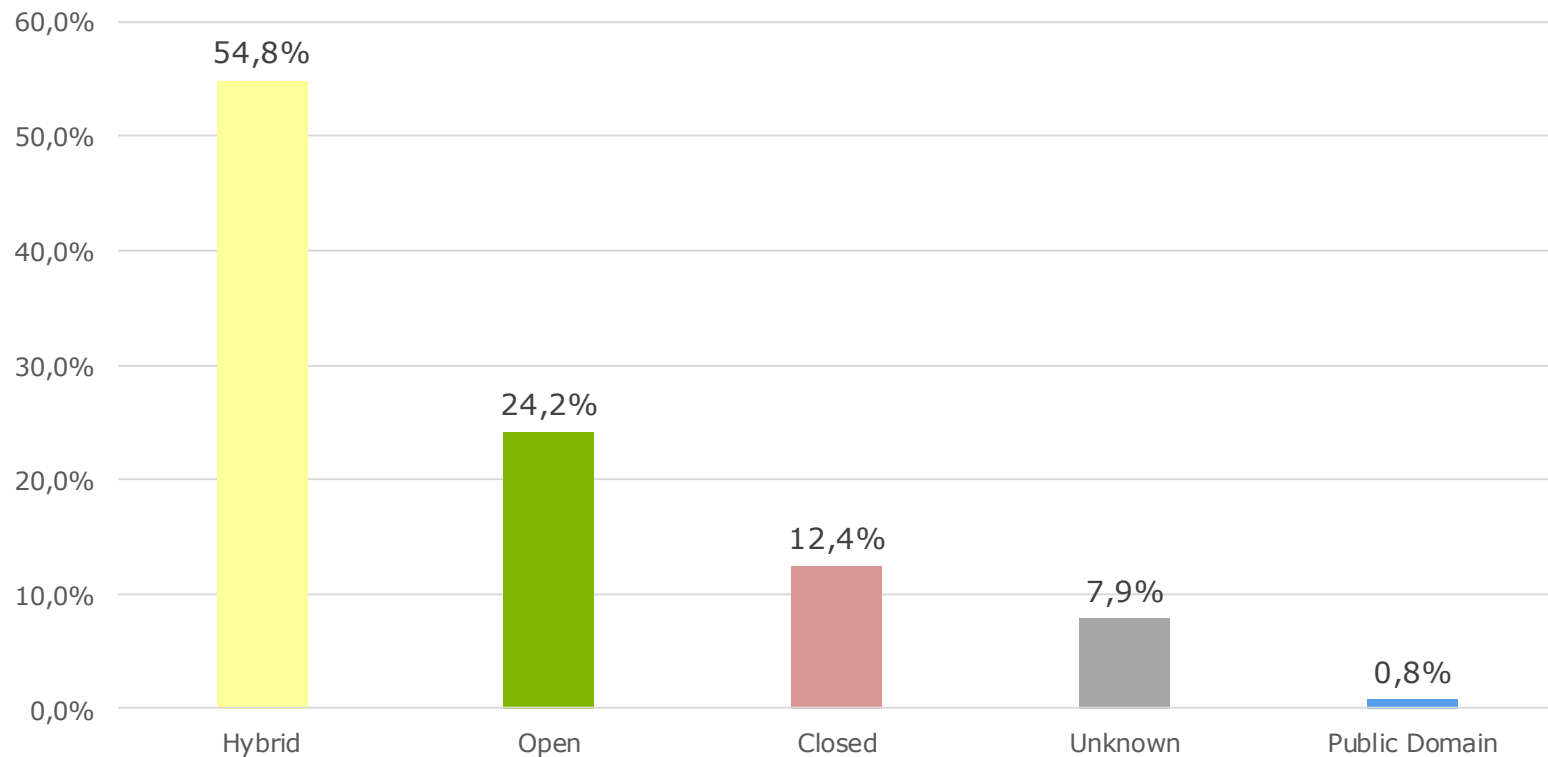
Findings: Conditions required



Findings: Other conditions / prohibitions

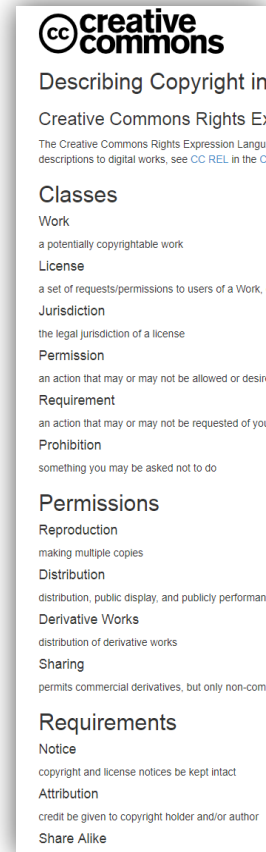


Findings: *Perceived* degree of openness



Future work?

- To reduce the complexity of the data policy landscape, consider :
 - Harmonise licences (challenging)
 - Harmonise the semantics of the terms of use
- For the latter, we could consider the creation and reuse of new registers and code lists
 - Licence Register
 - Digital Rights register: reusing some vocabularies such as CC REL, ODRS



Screenshot of the CC REL vocabulary

Thank you

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