

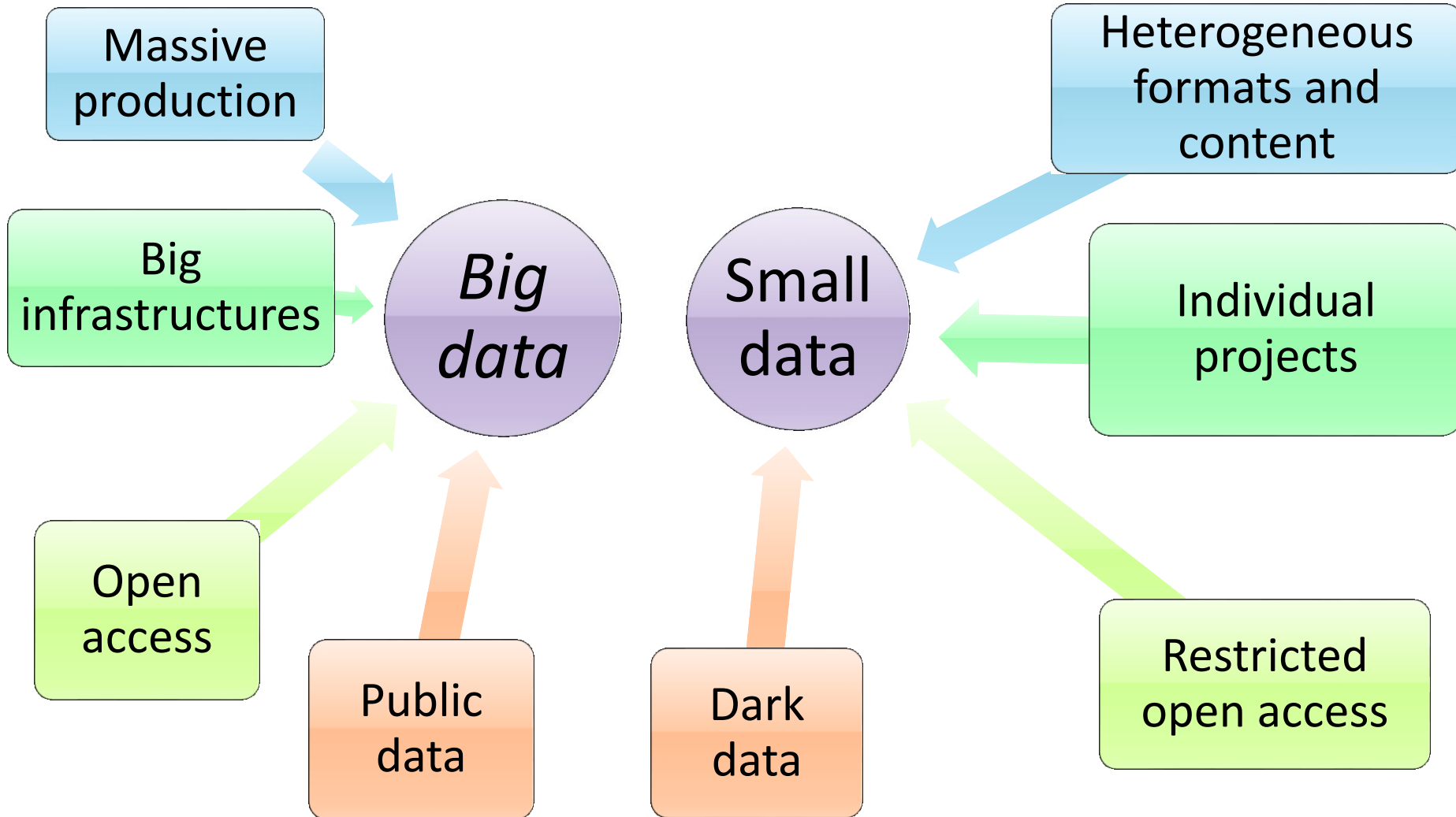
The background of the slide is a detailed illustration of an open book with many pages. A magnifying glass is positioned over the center of the book, and a blue CD or DVD is shown floating in the upper right area. The title text is overlaid on the book.

MAKING DATA IN PHD DISSERTATIONS REUSABLE FOR RESEARCH

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Hélène Prost
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Research data and PhD theses

Context



How to valorise listed data in the appendices ?

Data in PhD theses at Lille university

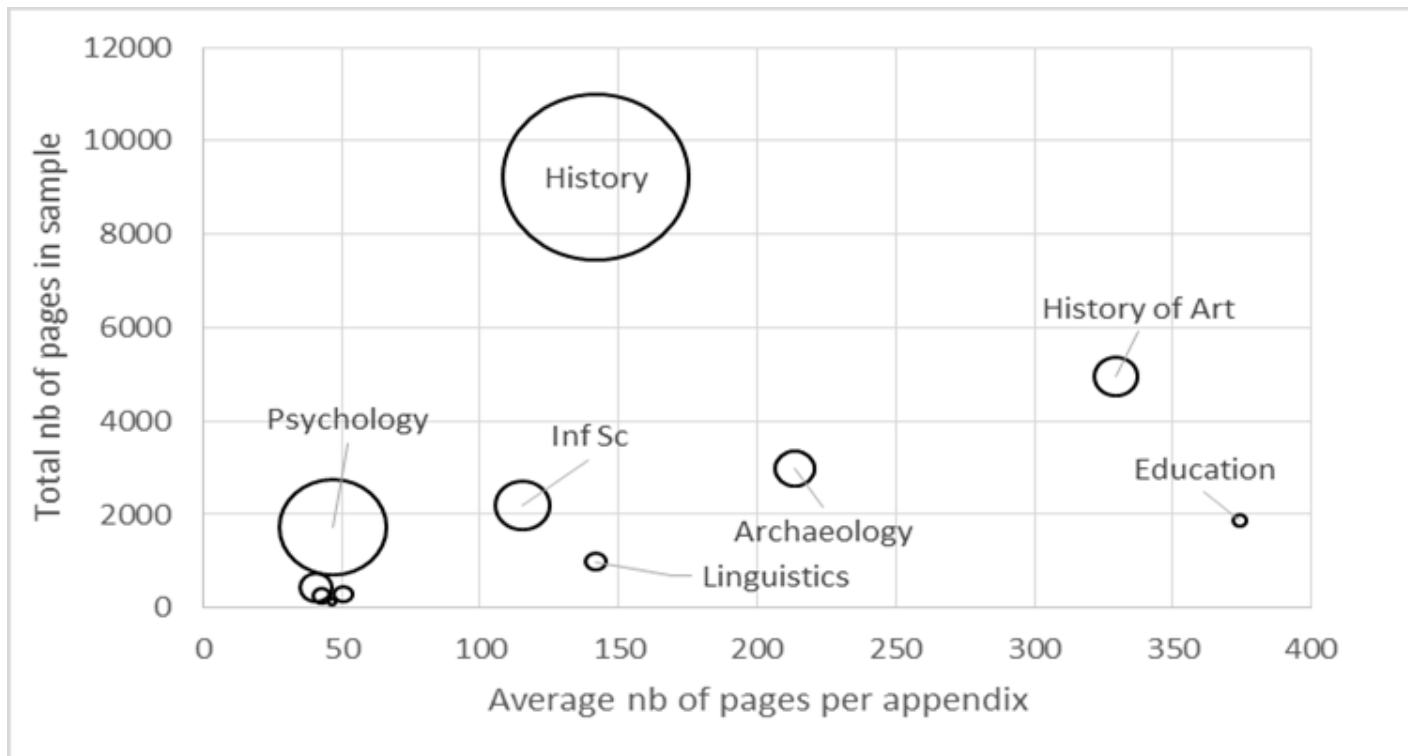
→ Volumetry

Corpus 283 theses

- 31% print
- 69% digital
- 66% with data in appendices

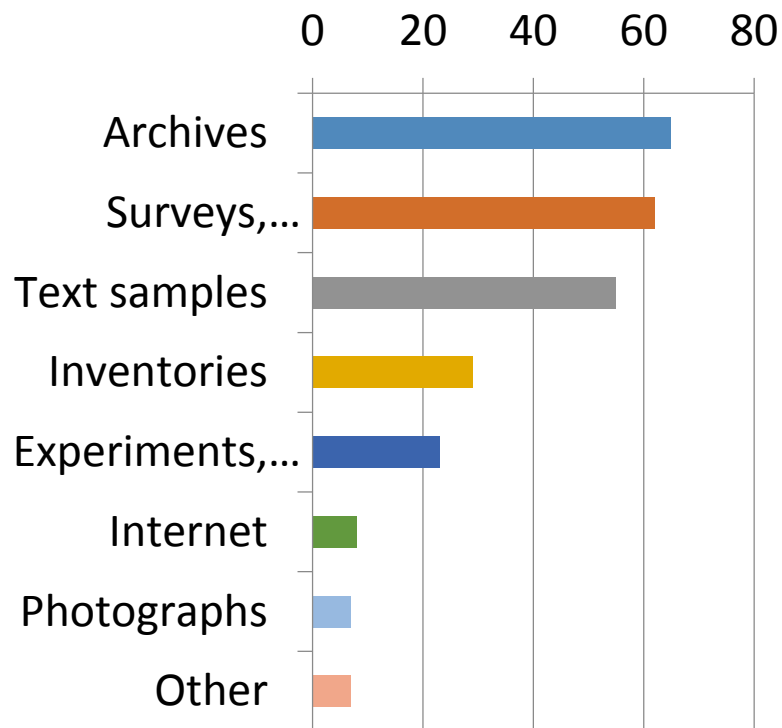
Appendices

- 25 000 pages
- from 5 to 829 pages
- a median of 81 pages

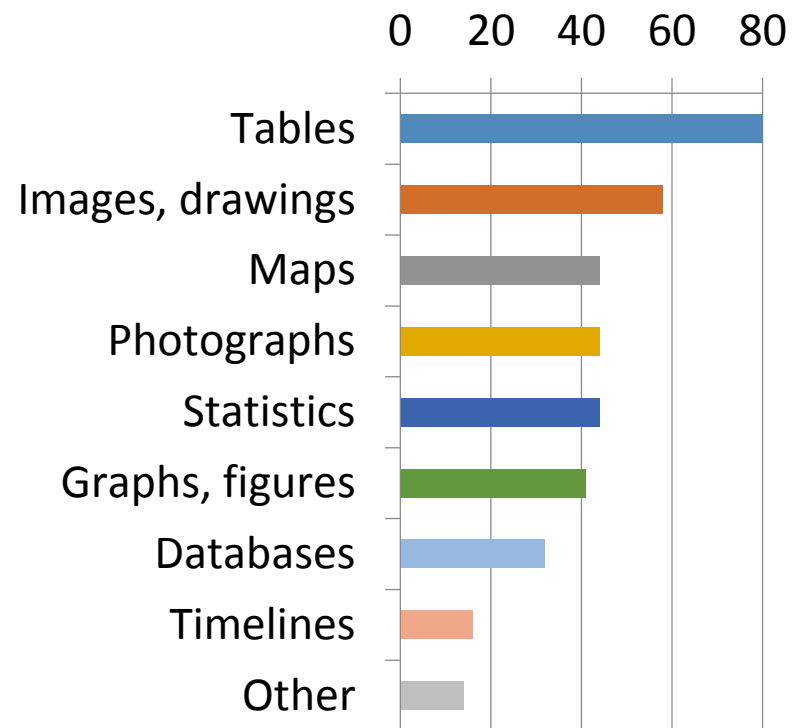


Diversity of research data in PhD

Sources of research data



Typology of research data



Number of relevant theses

The small data

Exemples in PhD theses

Annexe III : approche épigraphique

Figure 71 : Tableau des phylactères compilés par cette étude.

Texte du phylactère	Traduction	Référence biblique/liturgique	Référence date funéraire en Bourgogne	Nombre d'occurrences
<i>misere mei Deus secundum magnam misericordiam tuam</i>	Prenez pitié de moi, Seigneur, dans votre grande miséricorde	Psaume 51 (50) verset 3,4	Ancellet Mouillard, 1491 ; Yvroux Moncon, 1502 ; Jean Berthoud, Vixit sabbat ; Renaud Lemaire, 1482 ; Dom-Gabriel Morin, 1518 ; Jehan Lingrand, s.d. ; Guillaume Miffet, 1486 ; Thomas d'Anjou	8
<i>misere mei Deus / Domine</i>	Prenez pitié de moi, Seigneur	Psaume 51 (50) verset 3	Pierre Tisserand, 1544 ; Charles de Maymont, 1515 ; Claude Mesnager, 1479 ; Guyot Goudron, 1471 ; Henry de Sadeau, Jean Vurry, 1480 ; Nicolas Denoux, 1554	7
<i>O mater Dei memento mei</i>	O mère de Dieu, souviens-toi de moi	Carrique populaire Ave Maria, Virgo Serena	Pierre Tisserand, 1544 ; Catherine Fevre, 1479 ; Etienne Gouffier, 1529 ; Garnier Maloube, 1502 ; Jeanne des Potots, 1477 ; Jean de Belligny, 1501	6
<i>In manus tuas domine committit spiritum meum</i> ; <i>Ita vult peccator</i>	Dans tes mains Seigneur, je remets mon âme ; car tu es le Seigneur / car tu es le Seigneur	Lut (XXX, 46)	Humbert de Poligny, 1468 ; Pichnot de Harnassay, 1502 ; Jehan Lingrand, s.d. ; Jean de Beaune, 1439	4

Databases

DCO	NTK	NH4
kg	mg/L	kg
4660553	47	365217
4535603	31	347360
4814508	38	369005
14010664	1081581	6231
4670221	39	360527
139703	8	11560

Experimental results

si vous êtes retraité(e), celle du chef de famille si vous êtes étudiant(e), celle du (de la) conjoint(e) si vous êtes inactif (inactive).

☐ Agriculteur ☐ Commerçant, artisan

☐ Cadre, Profession intellectuelle supérieure

☐ Profession intermédiaire ☐ Employé ☐ Ouvrier

2. La case correspondant à votre catégorie socio-professionnelle est :

☐ Classe dite populaire ☐ Classe dite moyenne ☐ Classe dite supérieure

3. Quel est votre sexe ?

☐ Masculin ☐ Féminin

4. Quel âge avez-vous ?

☐ Moins de 25 ans ☐ De 25 à 45 ans ☐ De 46 à 60 ans ☐ Plus de 60 ans

5. Portez-vous du parfum ?

☐ Non

6. Si si

Surveys

0,2634.60,100.00,595.20,104215.60,111000.00, ral load where vl[i] is the log viral load : the log viral load for the second sample, e!

```
asetl_raw.csv",header=T)
setl_Boolean.csv",header=T)
```

Codes

de Metz par G. Bruns, dans *Critiques Obris Terrarum*, 1575, Volume II, plan n°15 (Plan conserve aux Archives Départementales de la Moselle, CP 1299)



Maps



Archives



Photos videos sounds

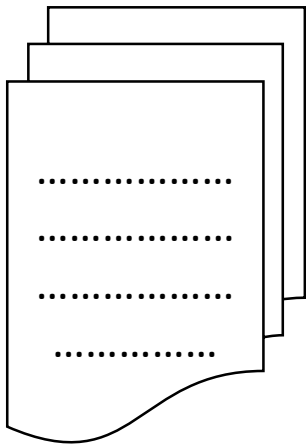


Graphs

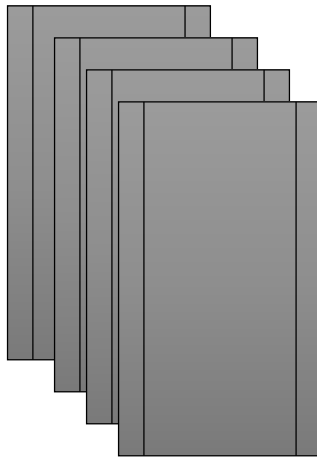
Corpus exploration

→ Structure & presentation (1)

- Exemple : « The œiconography of Saint Anne in Spain at the end of the Middle Ages » from Alfonso de Salas (2010)



A main volume with text and classification plan



A volume of appendices including catalog with 179 notices

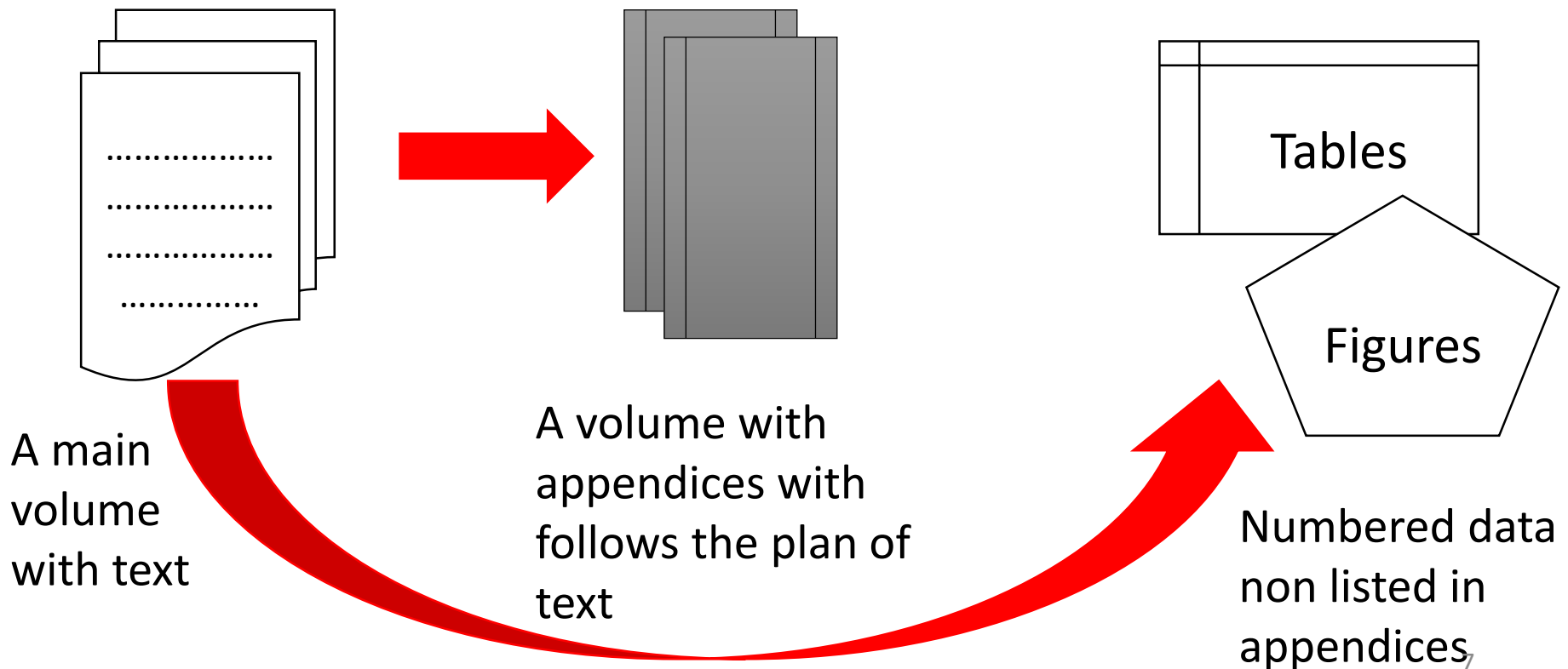


A volume of illustrations with 1581 images⁶


Corpus exploration

Structure & presentation (2)

- Exemple : « Coping strategies by athletes » from Annie Carton-Caron (2004)



Barriers to open data



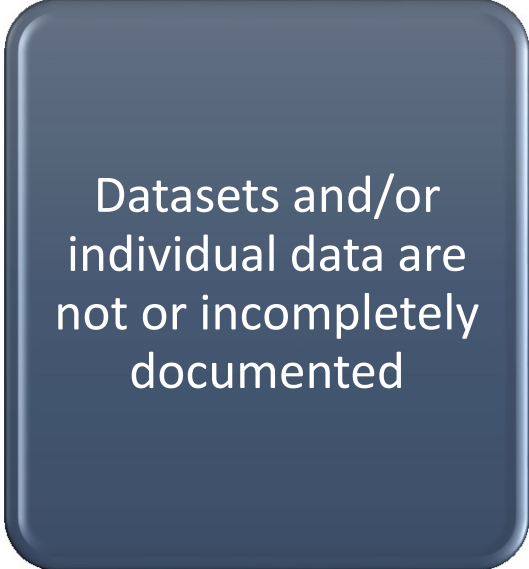
Incomplete,
inadequate
or missing
description



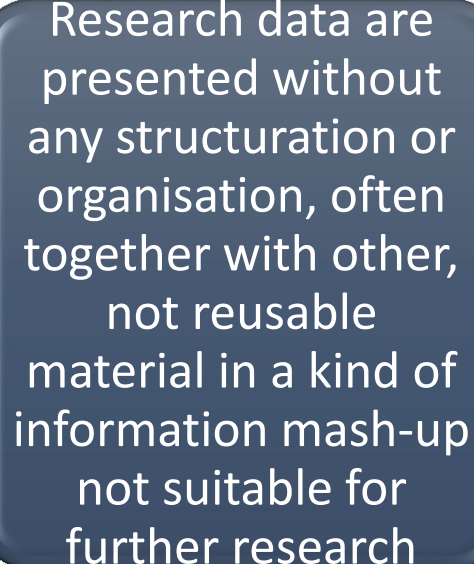
Missing
organisation



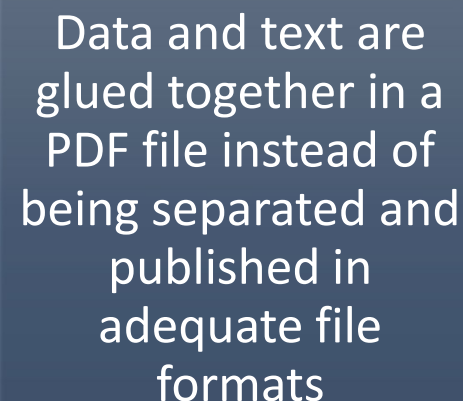
Inadequate
format



Datasets and/or
individual data are
not or incompletely
documented

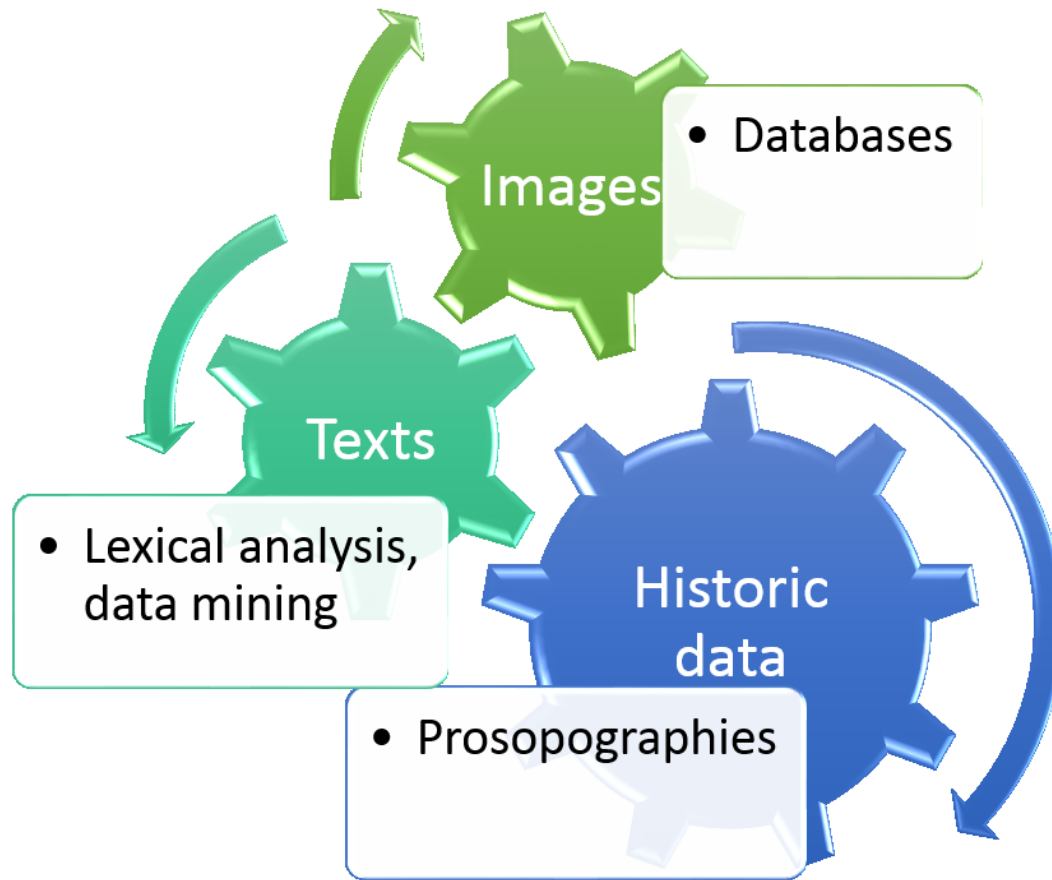


Research data are
presented without
any structuration or
organisation, often
together with other,
not reusable
material in a kind of
information mash-up
not suitable for
further research



Data and text are
glued together in a
PDF file instead of
being separated and
published in
adequate file
formats

Potential use & valorisation of data



Data management : practices & needs

Survey at Lille 3

9/10

store their data on local



83% on private computer

49% on professional computer

97%

declare themselves responsible for data backup

An area of storage and archiving

General advice

Technical advice

Legal advice

Advice- citations publications

Technical assistance

Assistance in preparing DMP

Advice - ethics

Others - no need

54%

52%

49%

48%

43%

40%

29%

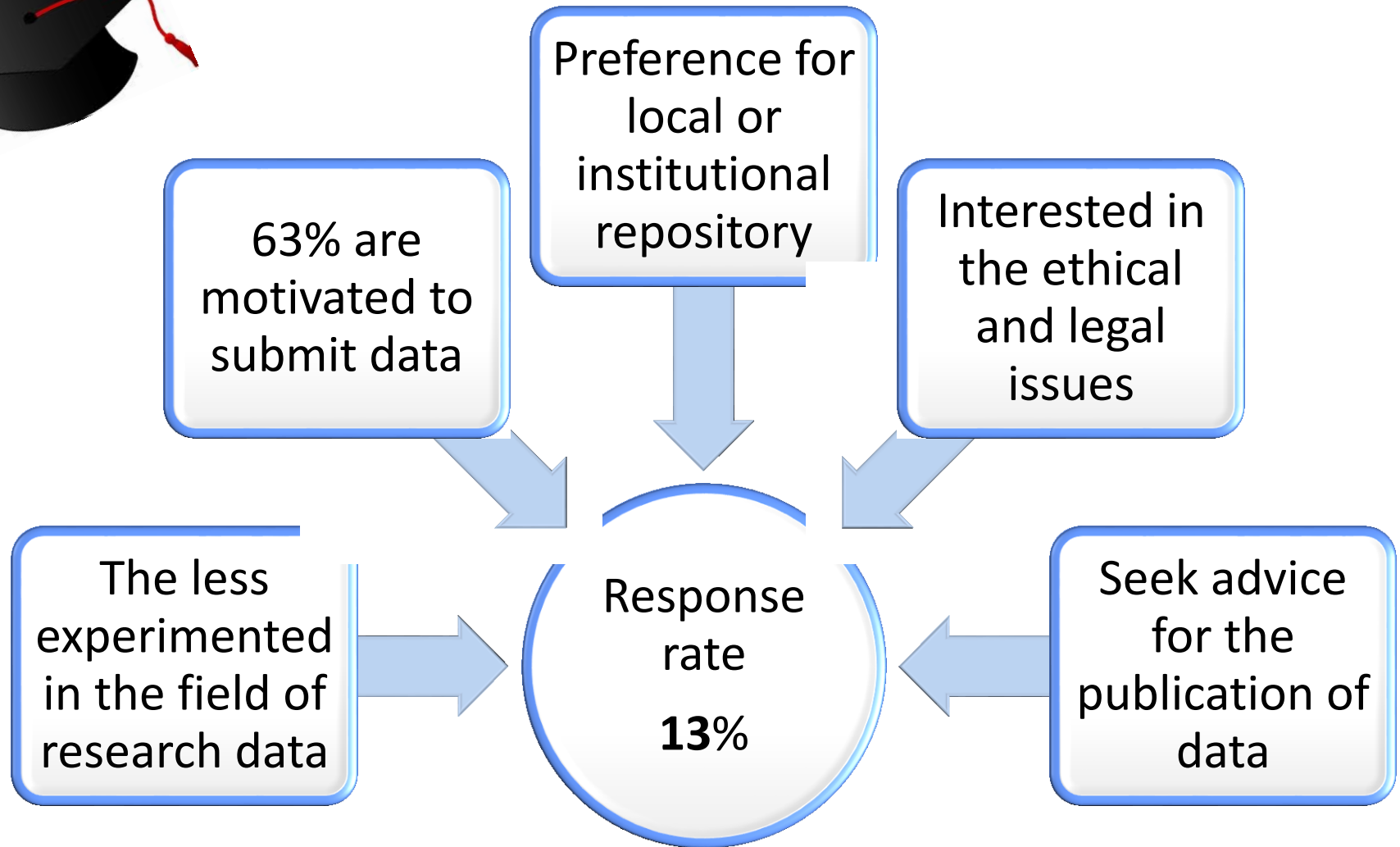
24%

10%

Expressed needs

Data management : practices & needs

→ The PhD students



Recommendations

Clear separation of text and data. Digital research data must be submitted in different and separate files

Separation

Structuration of the research data, with a detailed and organized tagging (markup) of the datasets

Structuration

The data must be described in a standard language and format, with sufficient detail for retrieval and data mining

Metadata

Deposit in open and original format to facilitate long-term preservation and reuse

Format

Clearing of privacy and copyright issues

Copyright

Research data support at university

Services

- Seminars, conferences, training
- Online resources (guidelines, FAQ...)
- Alert service

Education



- Legal and technical help (data management plan)
- Technical assistance for deposit
- Liaison with laboratories

Advice,
assistance



- Mediation for deposit
- Partnership with networks and repositories
- Development of tools on the campus

Infrastructures



Data management at university

Principles

1

A discipline-specific approach

2

An integration into the doctoral education

3

A proposal of data management plans

4

Incentives for the digital deposit of research data

5

A contribution to the preservation and dissemination of data



THANK YOU FOR YOUR ATTENTION

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