

# Using data mining techniques to enhance repository collections

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### Gap analysis background

- Context of RUNE (repository) and UNE
- What is a gap analysis?
- Why we did a gap analysis?

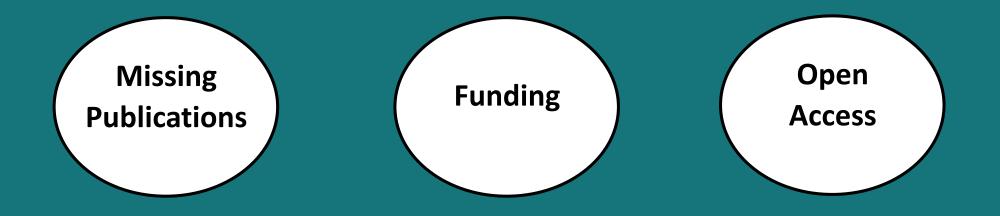
### Gap(s)

#### GAPS?

What is "Missing In Action" (M.I.A.)



### **Gaps UNE Identified**



### Activity 1

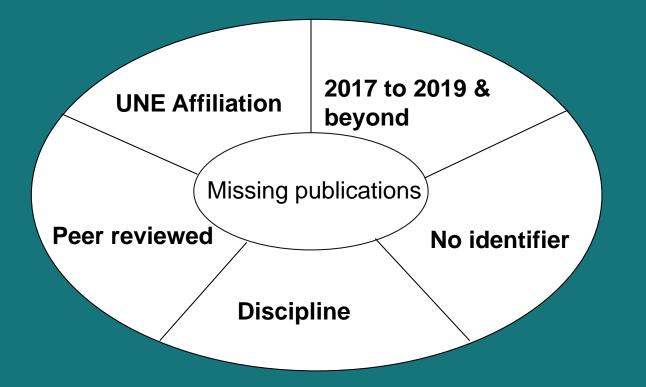
## Working in groups or by yourself, identify a *possible gap* in your repository.

Write this gap in the middle of the mind-map.





#### Factors



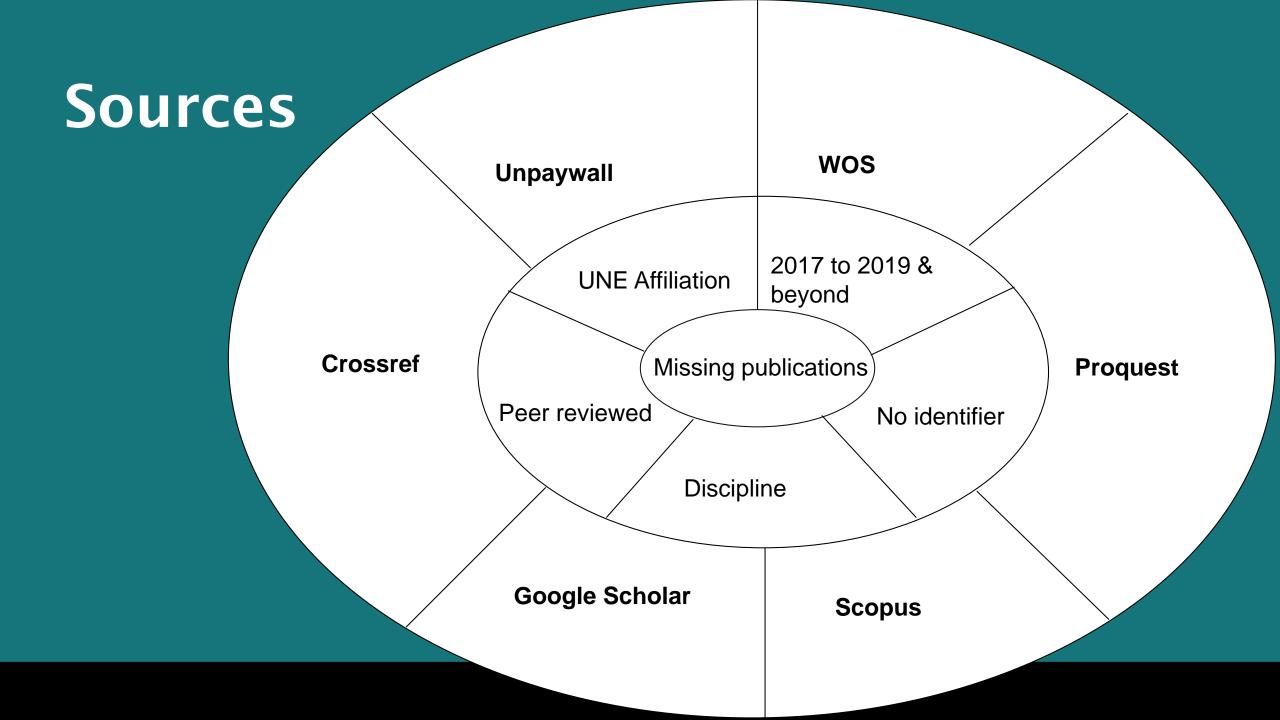


### Working in the same groups, brainstorm different *factors* of the identified gap.

Add potential factors around the second ring.



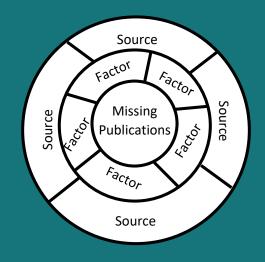




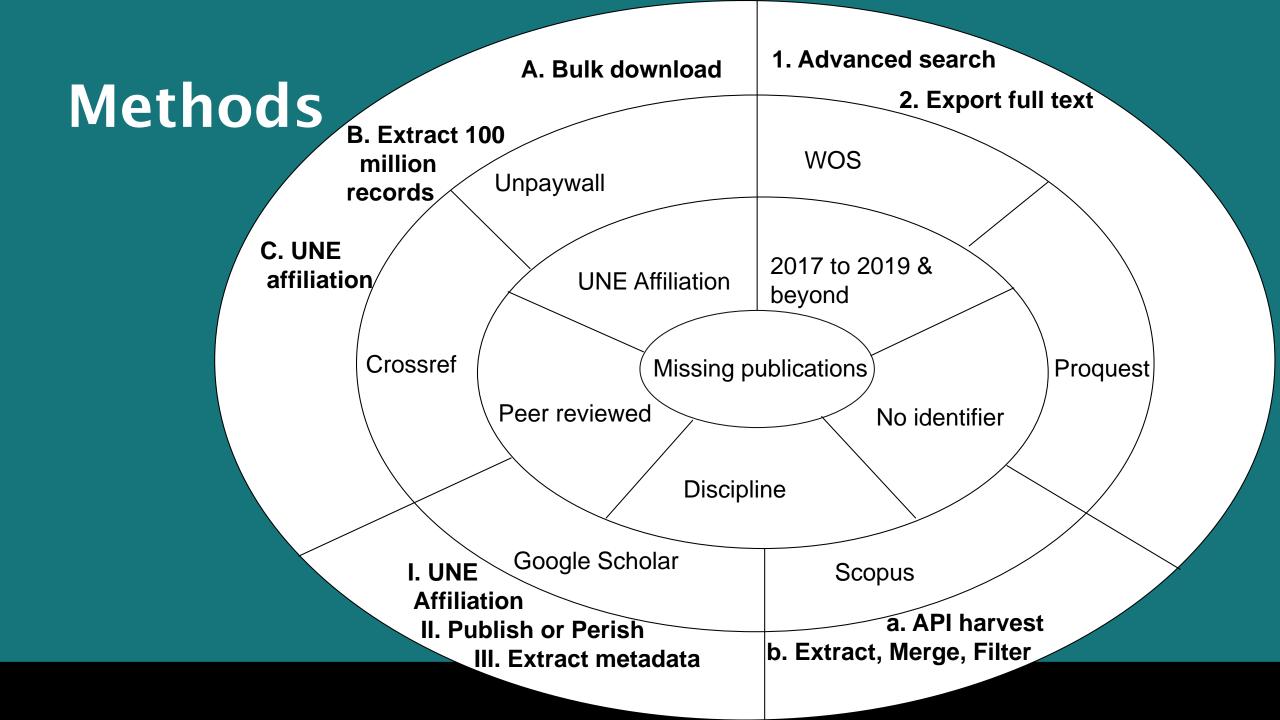


### Working in the same groups, brainstorm ideas for different sources to find data/metadata on the identified factors.

Add potential sources around the third ring.



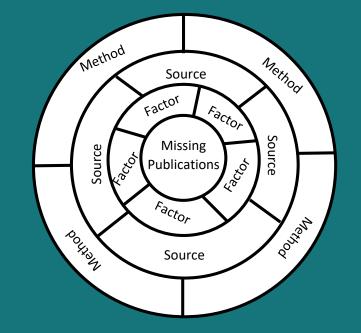






### Brainstorm possible methods to extract data/metadata from the different identified sources.

Add potential methods around the outer ring.



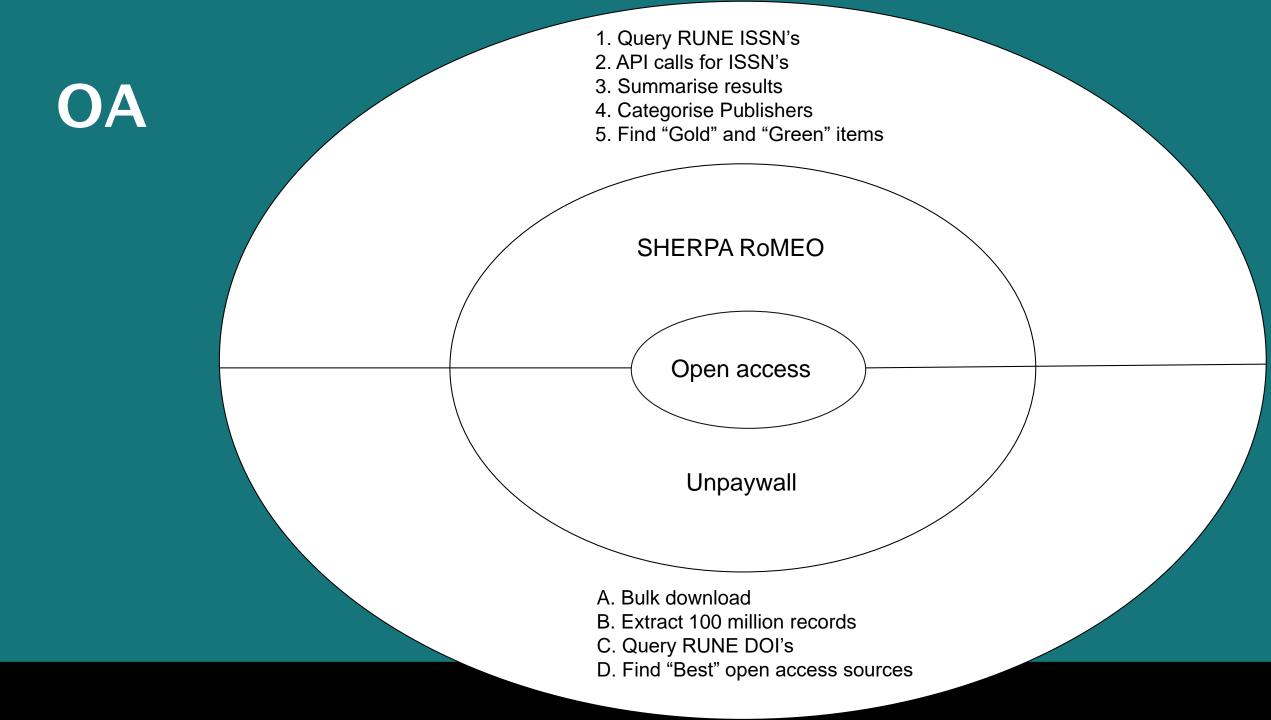


### **Outcomes: Missing Publications**

Year	Scopus	WOS	Proquest	Crossref	Unpaywall	Total
2014	212	55		7		274
2015	204	69	4	4		281
2016	235	89	1	3		328
2017	169	109		8	1	287
2018	256	142	1	10		409
2019	139	110				249

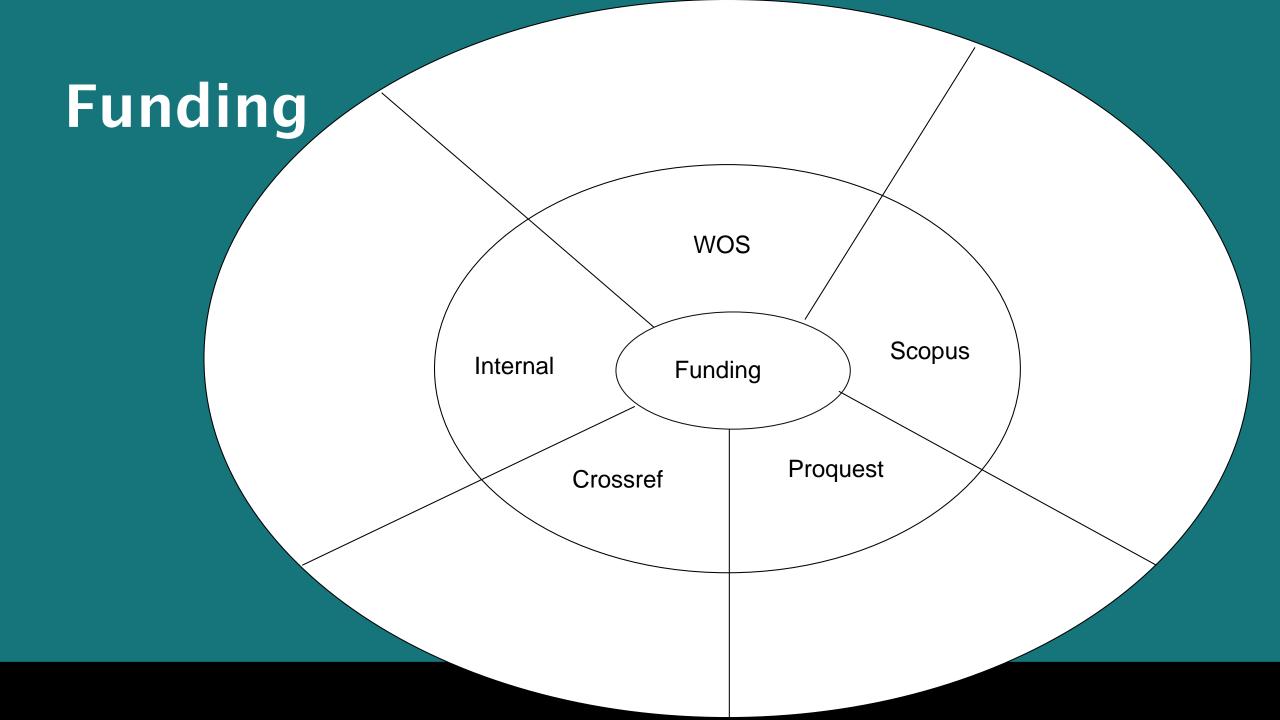
#### Outcomes: Lessons

- Remaining gaps
- Capturing transient UNE researchers
- Information Explosion
- Open Access

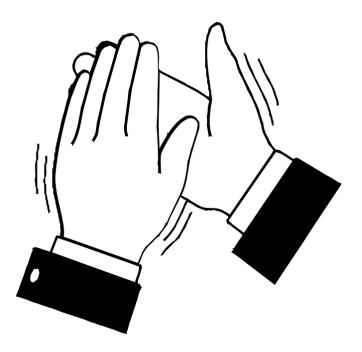


#### **Future Directions**

- Repeating gap analysis
- Capturing processes
- Additional sources
- Remaining gaps Funding



### Applause



### Questions



Image Source: kmicican https://www.needpix.com/photo/836507/question-questions-the-question-mark-question-mark-ask-asking-multidirectional-wonder-choice

### Thank you to...

- Project team: Allison Brown, Gilbert Meyns, Kristal Spreadborough and Matt Watts
- Library: RUNE team, Leadership team and other staff for their support
- Research Services and UNE researchers





UNE R Group – <u>https://github.com/rgroupune/</u>

Sharing code: <u>20190712 crossref metadata analysis</u>

