

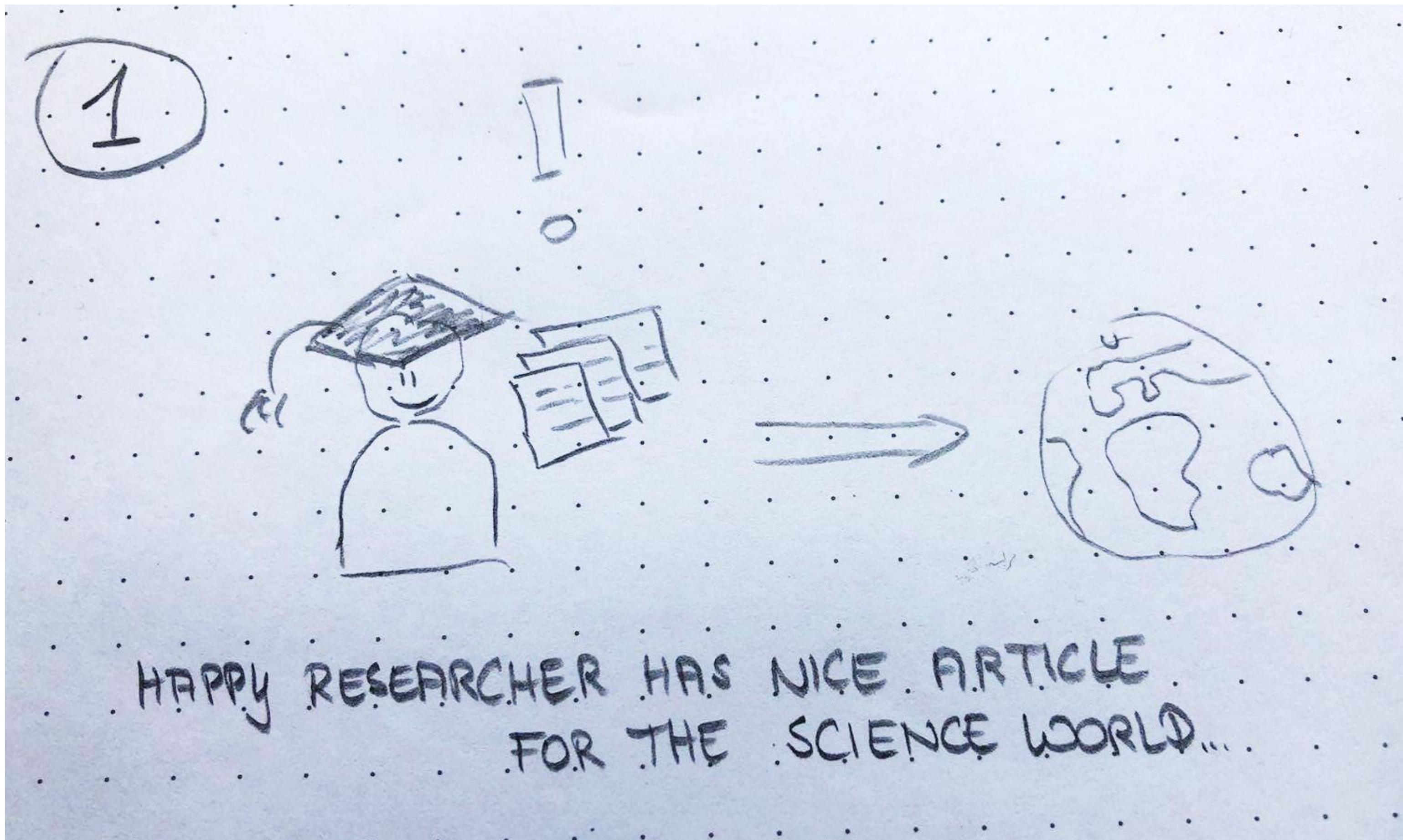
B!SON

**A tool to help identify
a suitable OA journal**

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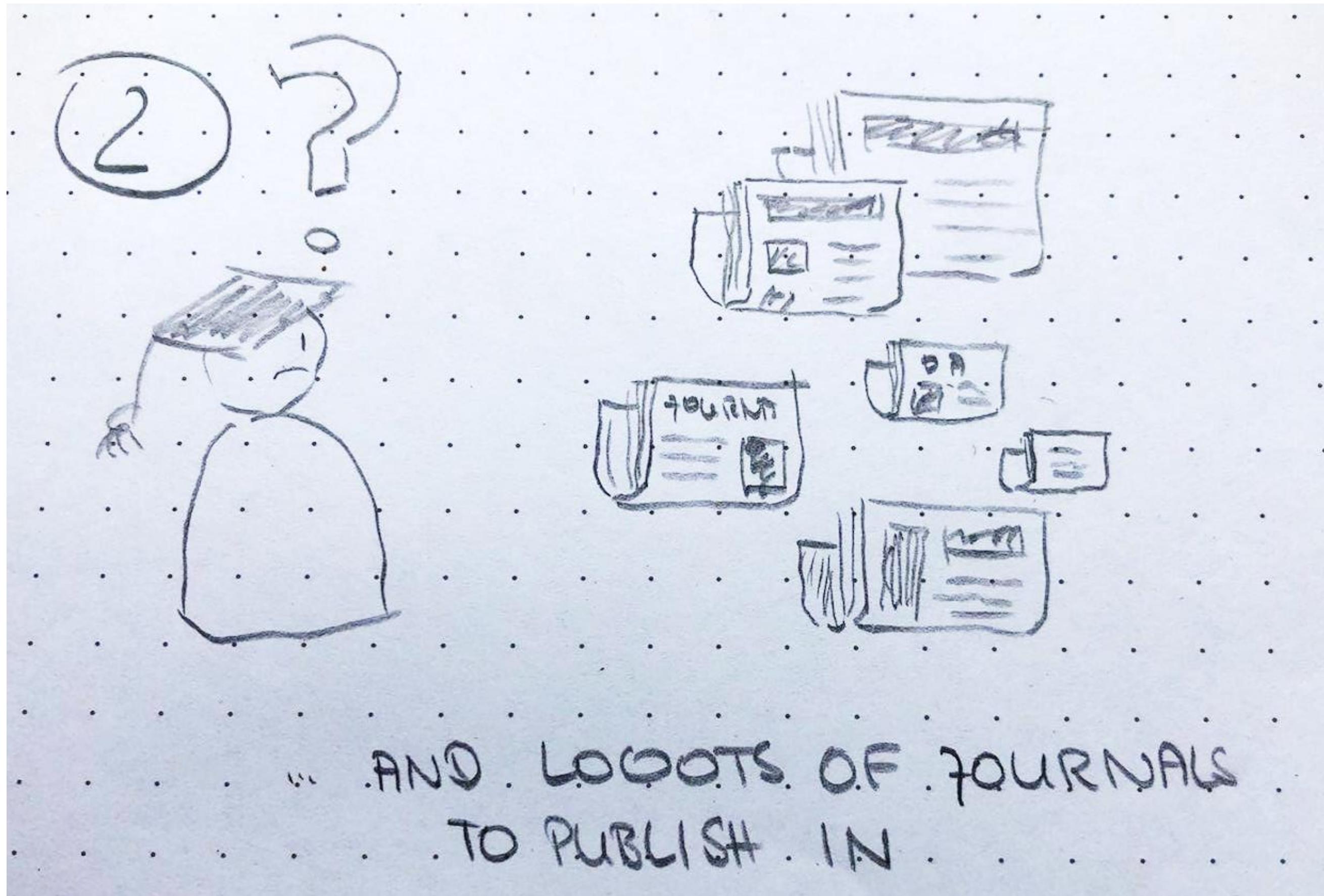
Munin Conference of Scholarly Publishing
November 16-18, 2021

Scenario 1/3



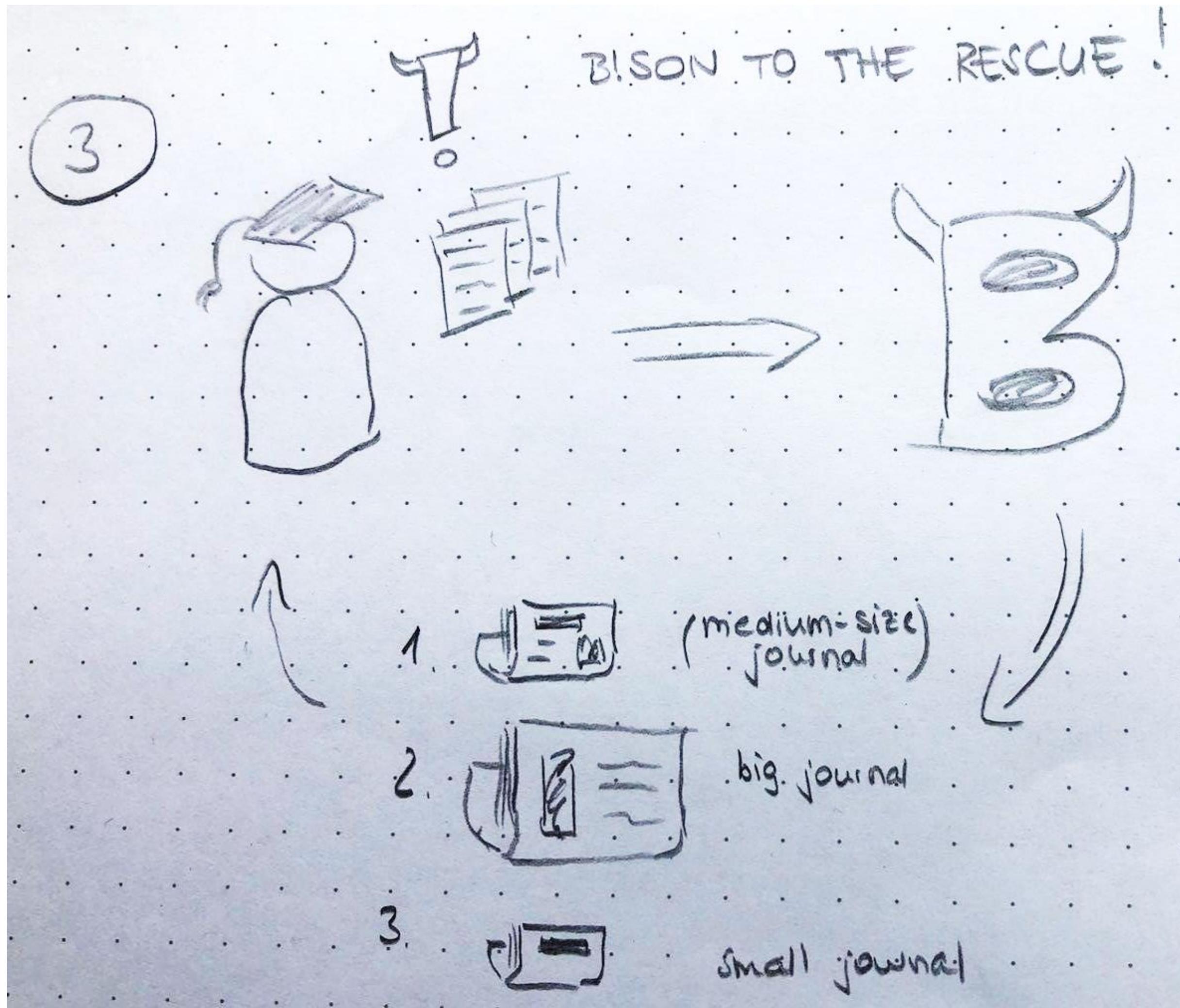
Graphic: Anett Hoppe

Scenario 2/3



Graphic: Anett Hoppe

Scenario 3/3



Graphic: Anett Hoppe

Draft of input screen

B!SON
<short description>

1. Add Titel

Switch language
(de/en)

2. Add Abstract

3. Add References/cited works
(ideally with DOIs)

Submit

Tooltip:
Allowed
formats

Draft of results screen

Filter
e.g.:

- * APC < x EUR
- * Plan S compatible
- * Mirror Journal?
- * License
- * Language
- * Peer Review type
- * DOI

Sort
best match due to...

- * Keywords
- * Titel
- * Abstract
- * References

<

Best matches - similar articles appeared in the following OA journals:

Journal #1
80% similarity
<link to journal fact sheet w/ URL>

Journal #2
82% similarity
<link to journal fact sheet w/ URL>

Journal #3
74% similarity
<link to journal fact sheet w/ URL>

> Adjust input:

Title

Abstract

References

Keywords

Methods 1/2

Processing user inputs – similarity analysis
combining two methods:

1. Machine-learning method for **semantic similarity**

based on DOAJ's article metadata:

- approx. 17,000 journals (curated)
- approx. 6,600,000 articles
- JSON format
- import to Elasticsearch

2. Bibliometric similarity based on OpenCitations'

COCI:

- approx. 1,200,000,000 citations
- DOI ↔ DOI
- import to PostgreSQL



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Methods 2/2

- Display and refinement of results:
 - Relevance/similarity ranking/measure
 - Filters
 - Journal fact sheets (DOAJ journal data)
- Regular updating schedule
- Support of different languages (?)
- API for advanced customization, local implementation



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„Bibliometric and Semantic Open Access Recommender Network“

- **Development of an open source recommendation tool for finding suitable, high-quality OA journals**
- Carried out by TIB & SLUB
- Partners: DOAJ, OpenCitations
- Funded by the German Federal Ministry of Research and Education

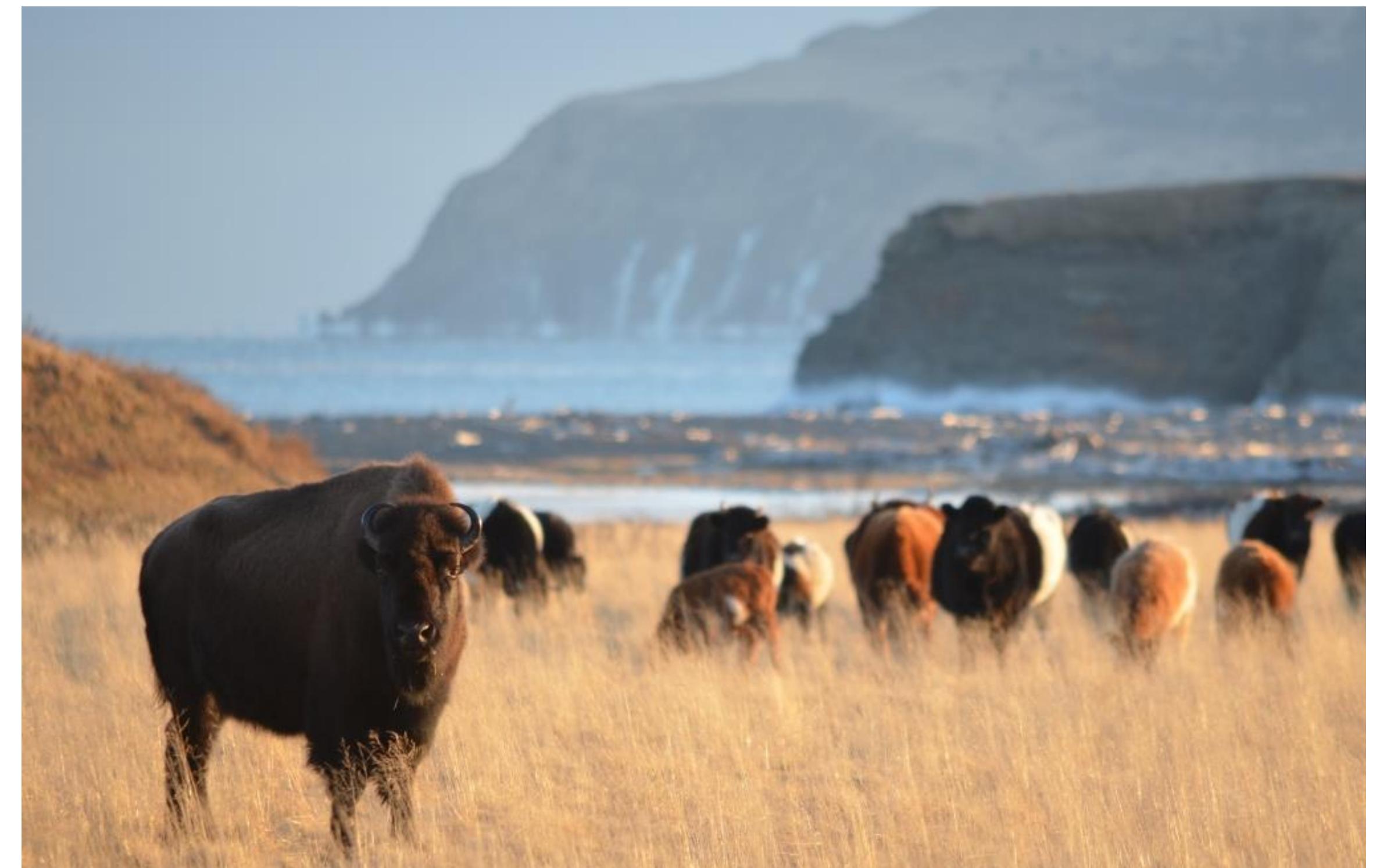
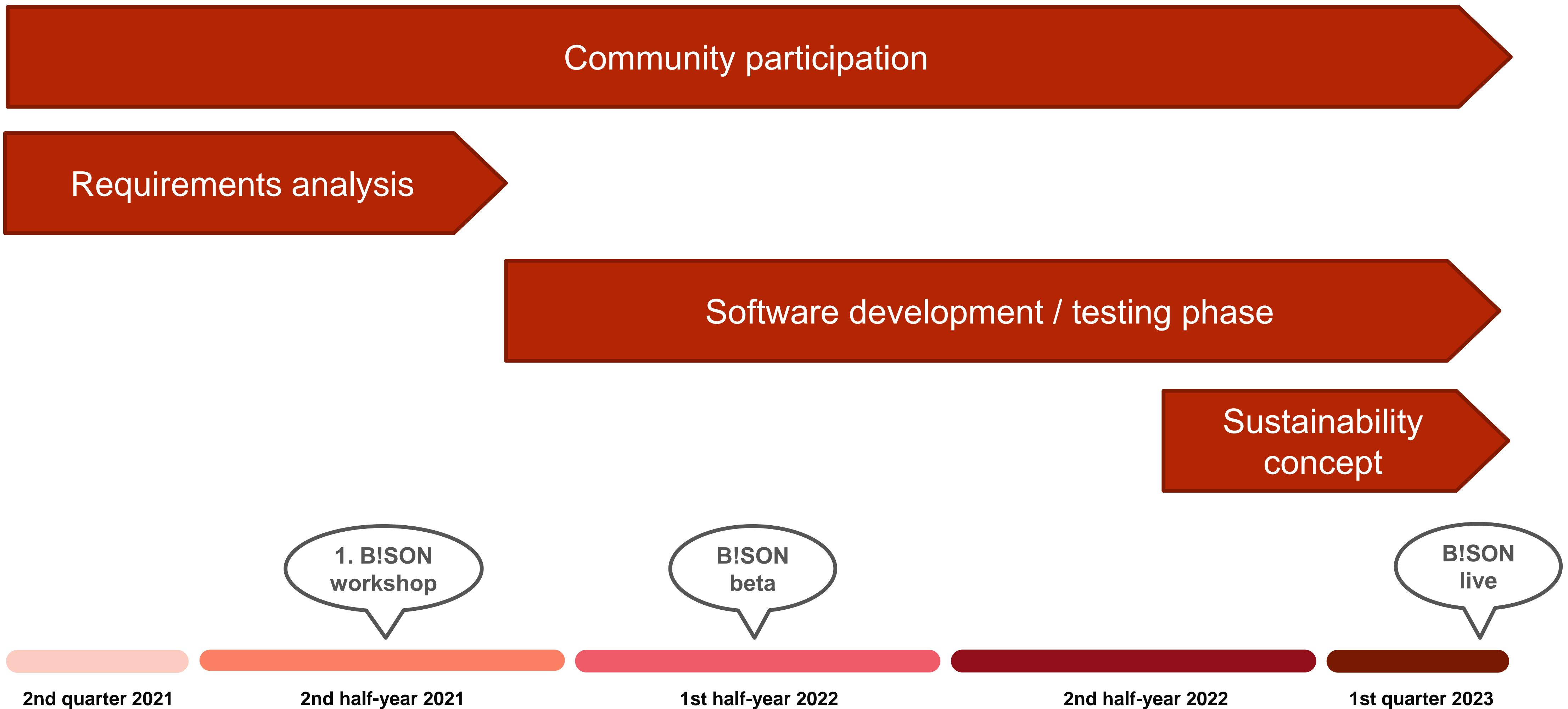


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Project schedule and milestones



Closing remarks

- B!SON will pose an **open alternative** to proprietary offers
- **Libraries' role** as point of reference for all issues regarding publishing within their institution
- B!SON "on the shoulders of giants" – building upon and contributing to the ecosystem of **open scientific infrastructures**



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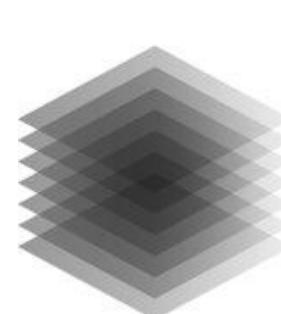
Thank you!

Questions? Feedback?

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