

B!SON

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

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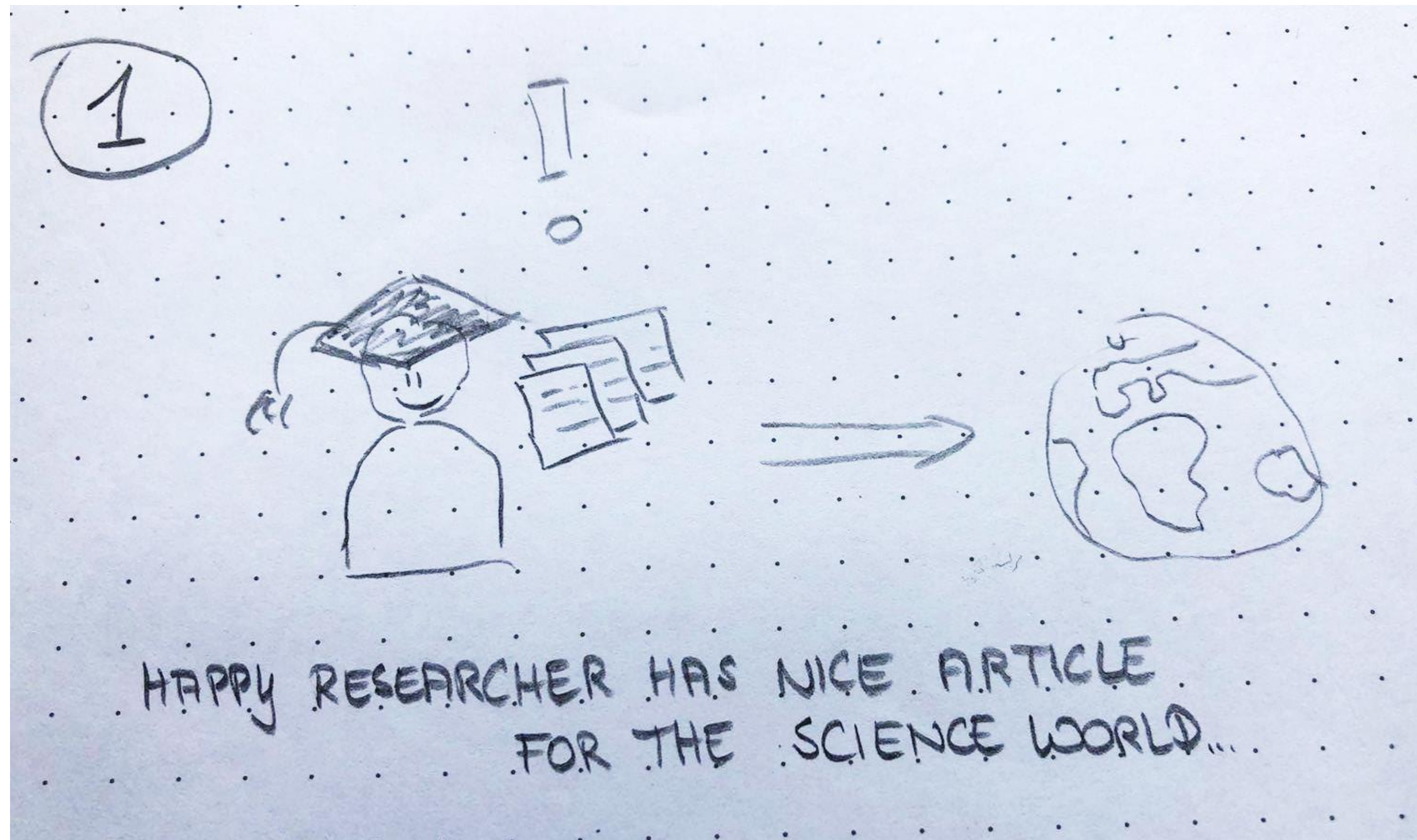
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Munin Conference of Scholarly Publishing

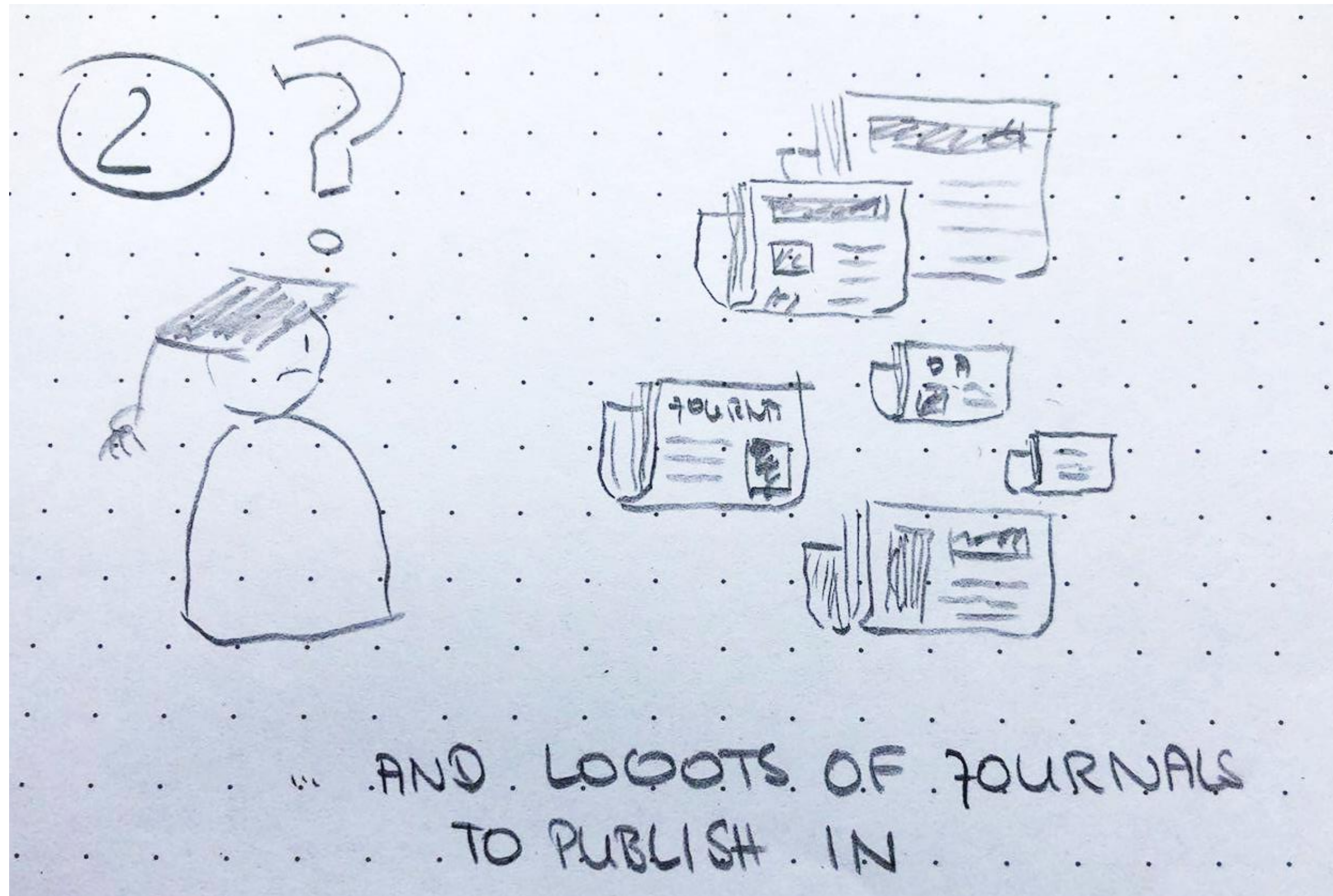
November 16-18, 2021

Scenario 1/3



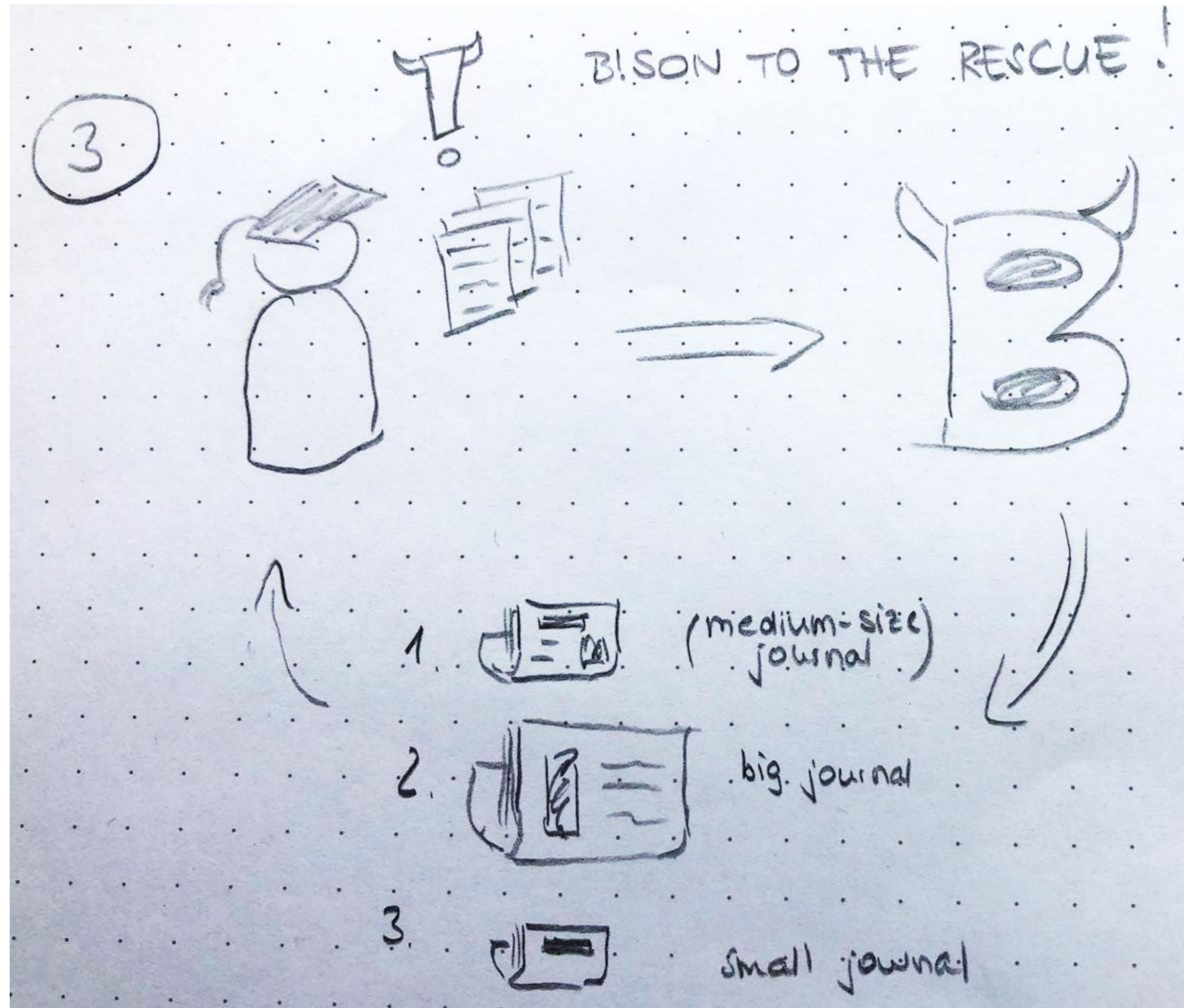
Graphic: Anett Hoppe

Scenario 2/3



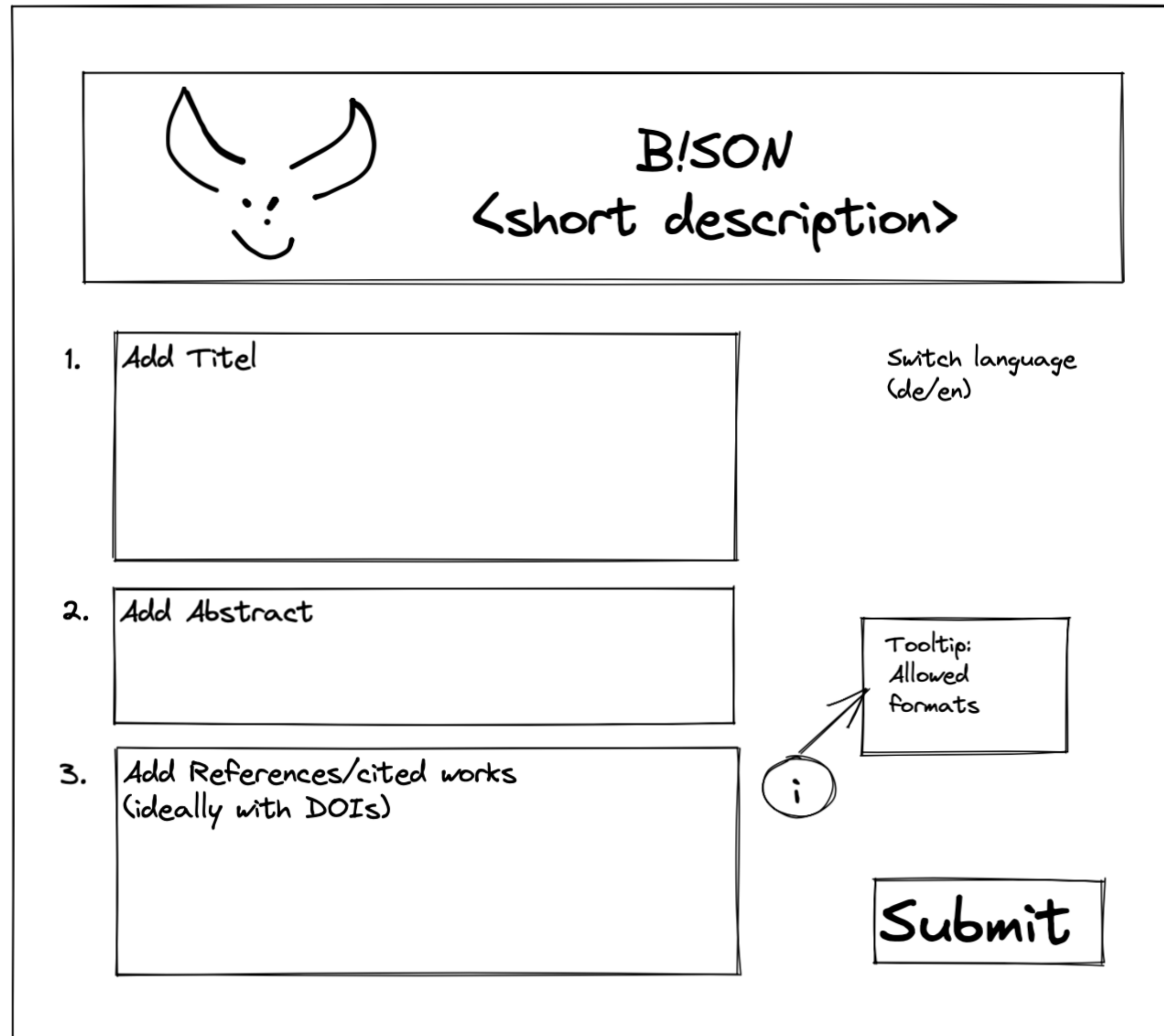
Graphic: Anett Hoppe

Scenario 3/3

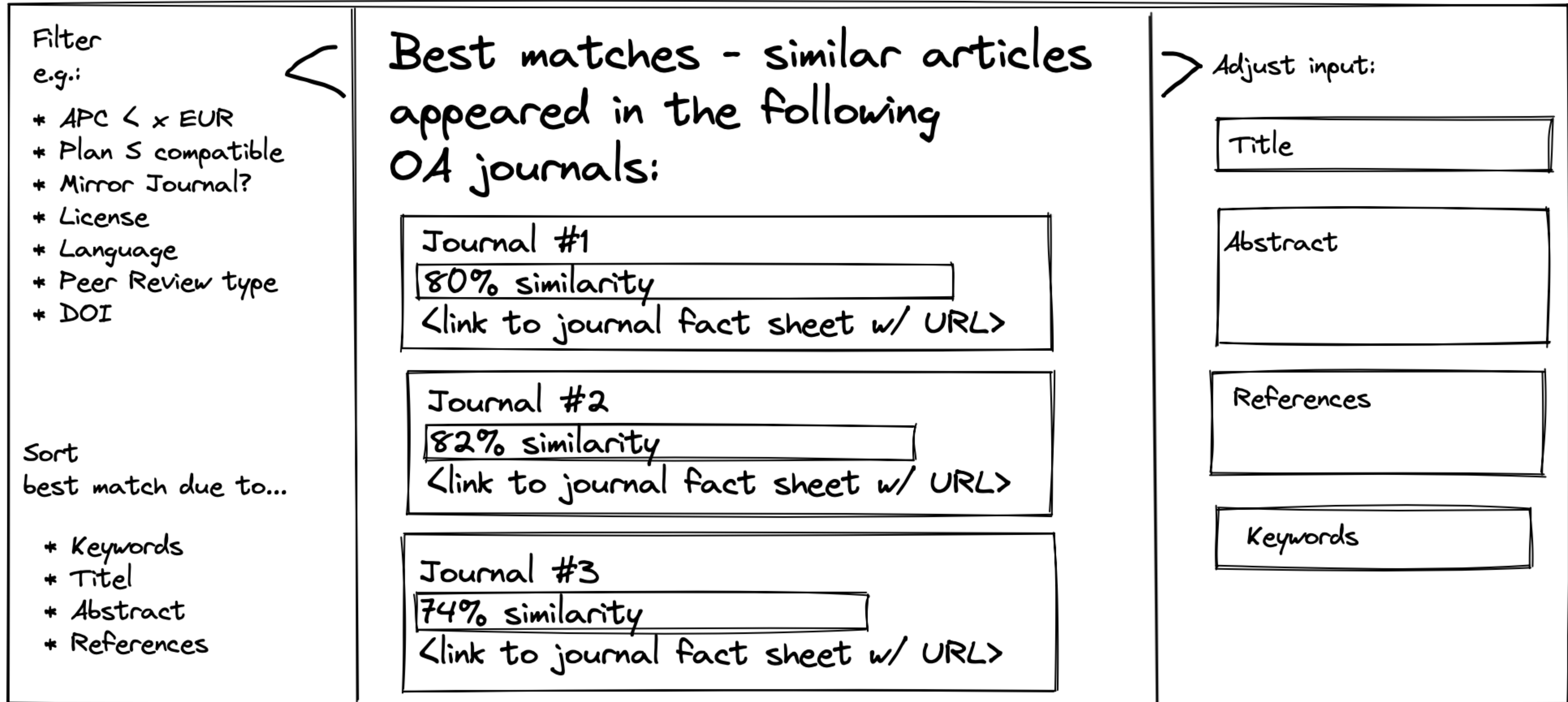


Graphic: Anett Hoppe

Draft of input screen



Draft of results screen



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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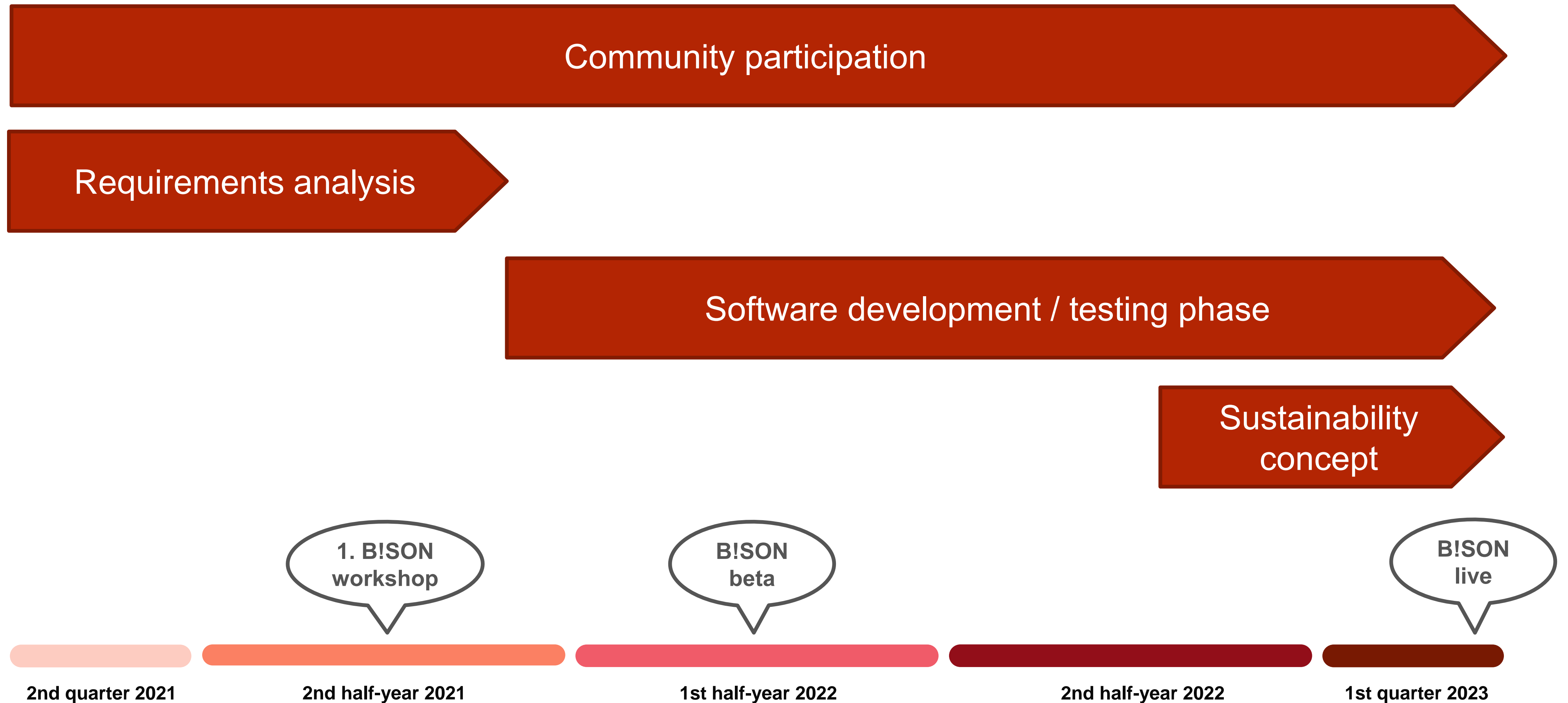
„Bibliometric and Semantic Open Access Recommender Network“

- **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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