ALFRED-WEGENER-INSTITUT
HELMHOLTZ-ZENTRUM FÜR POLAR- UND MEERESFORSCHUNG

ePIC:
lessons learned and future perspectives

Ana Macario

Alfred Wegener Institute
Computing and Data Centre

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OA Workshop, 2013-11-27, Potsdam, Germany

Roadmap

- EPIC
- Lessons learned
- Vision

EPIC.AWI.DE

- To date: ~31900 items, **4th** version
  - First version ~14 years ago in Perl, in-house coding; followed by FEDORA as backend

- Pragmatic move to EPrints
  - No complex frameworks
  - No more self-programming!
  - Support/consultancy wished!

EPrints@AWI

Degree of Customization : still high

- Frontend
- ISI Journal list with autocompletion function
- AWI-specific schema
  - Complex author field (incl. userID for author disambiguation)
  - Additonal fields: PACES II work packages, research platforms and campaigns, submit data agreement, etc
  - Customized metadata schema for OAI harvesting
- REST interface for linking to PANGAEA objects
- Geo-referencing

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Repositories became…

boring after ResearchGate appeared !

User friendliness

„Sexy“ statistics: top co-authors, citations, downloads, etc

„Sexy“ networks: follow, followers, share „protected“ PDFs, share interest, share projects, social, network, etc

Macario, A. and Pfeiffenberger, H. (2000)
An homogeneous Directory of People, Publications, and other Resources as a means for IT-based Knowledge Management in Science
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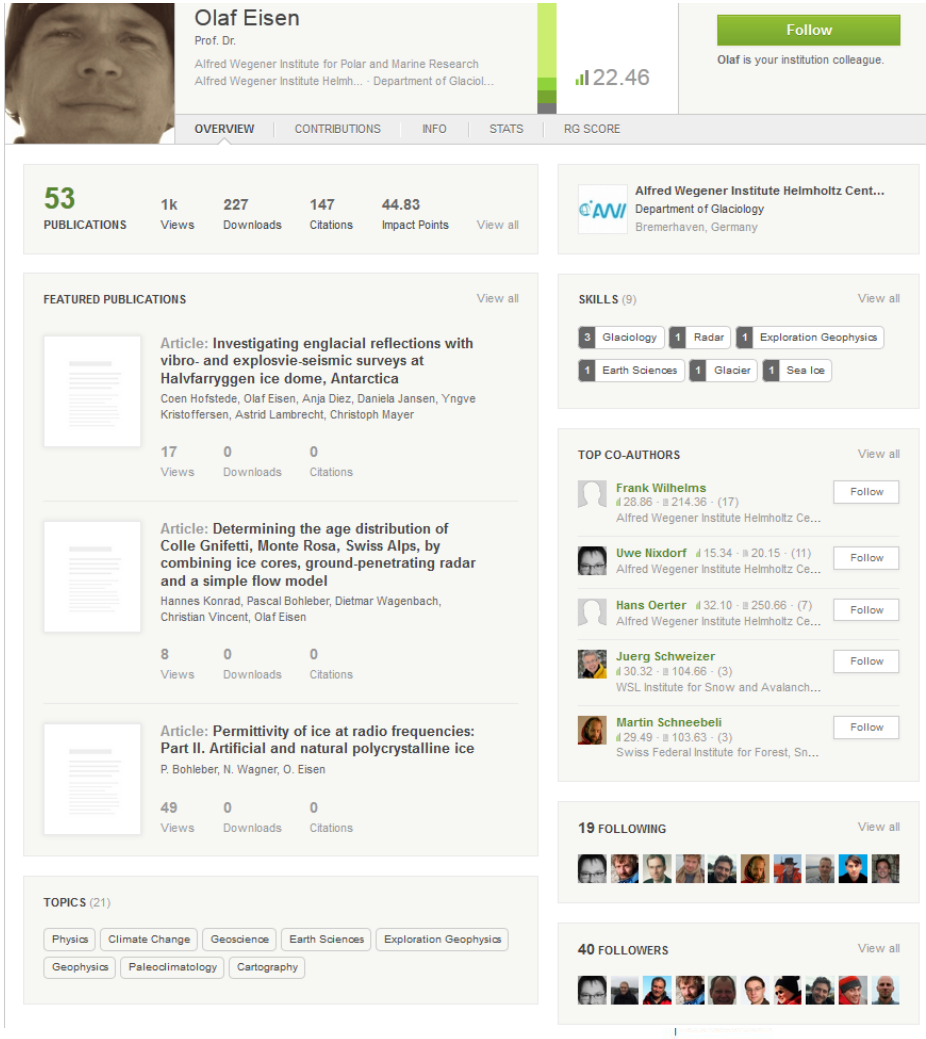
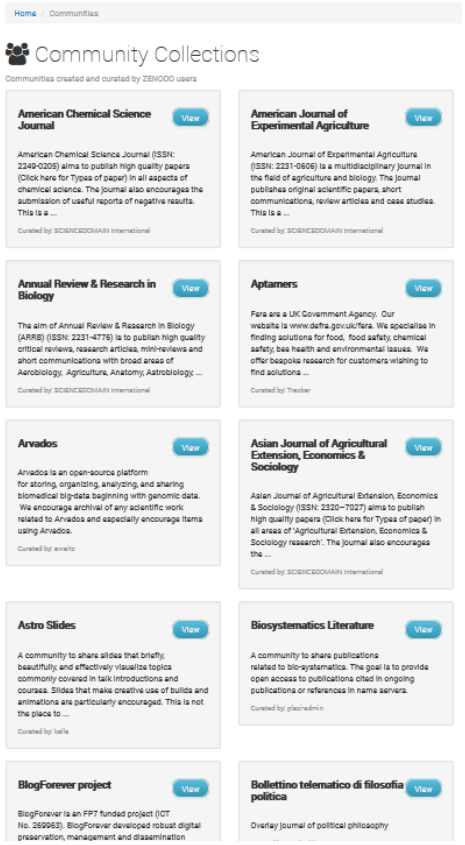
Relationships

Data | **Expeditions** | **Grants, Projects, …**

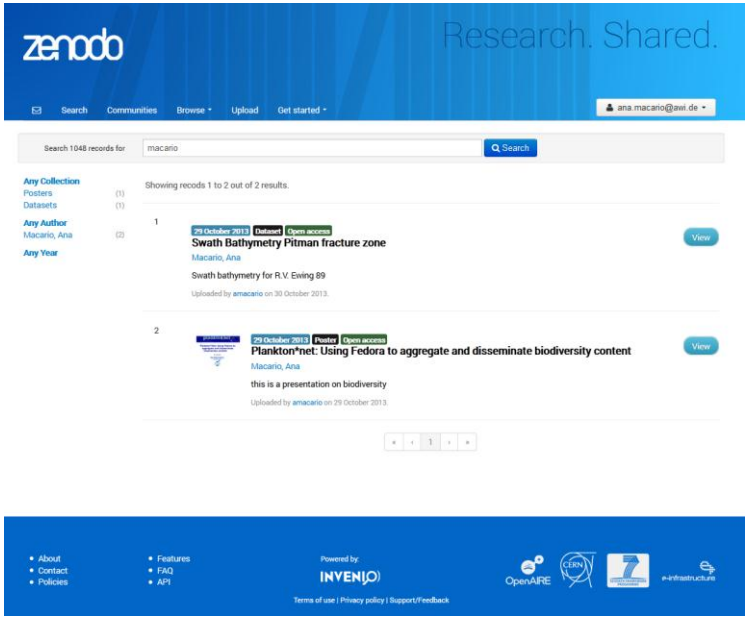


Repositories are too rigid…

1) users want to create and curate their own collections



2) users want to archive „big data“ themselves



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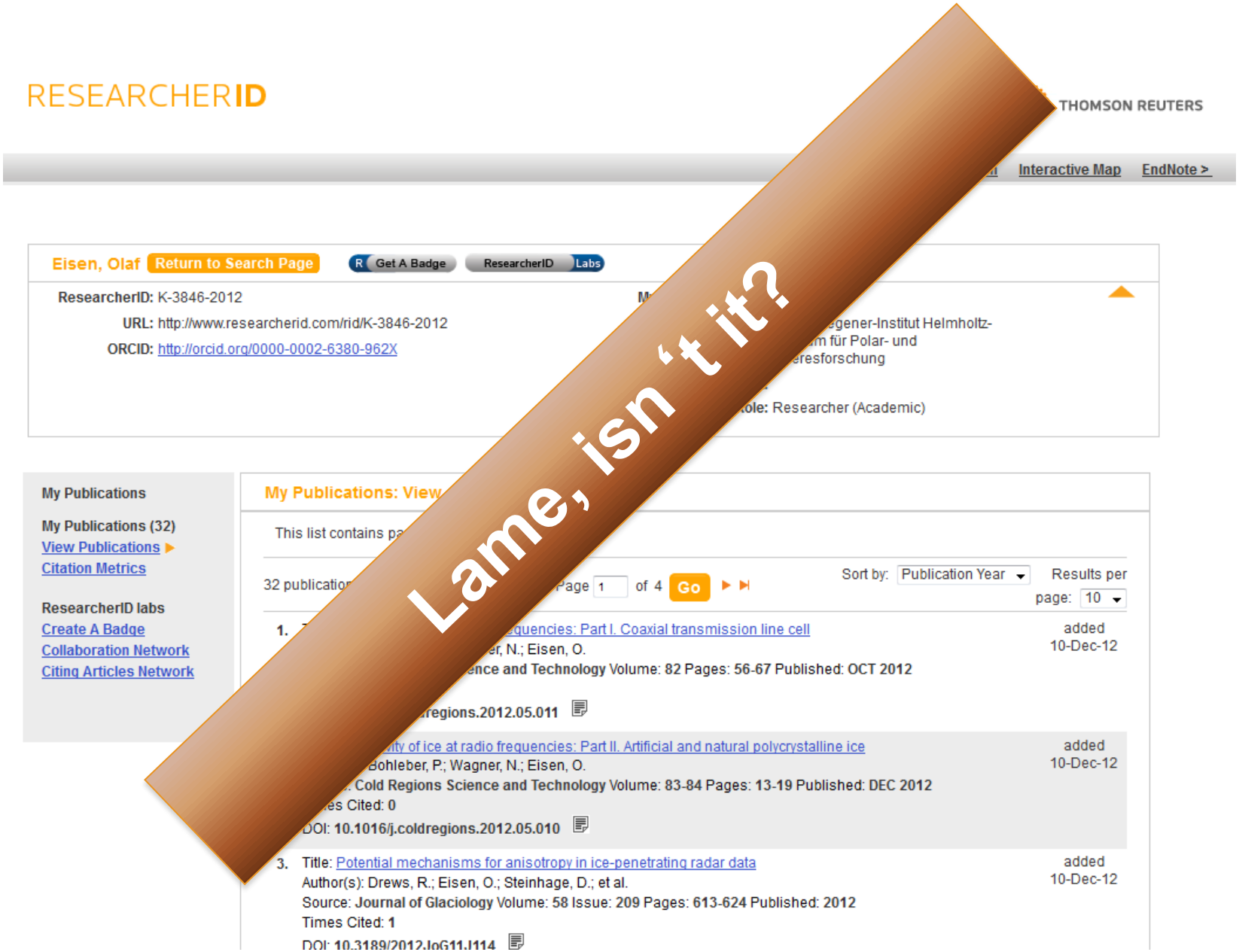
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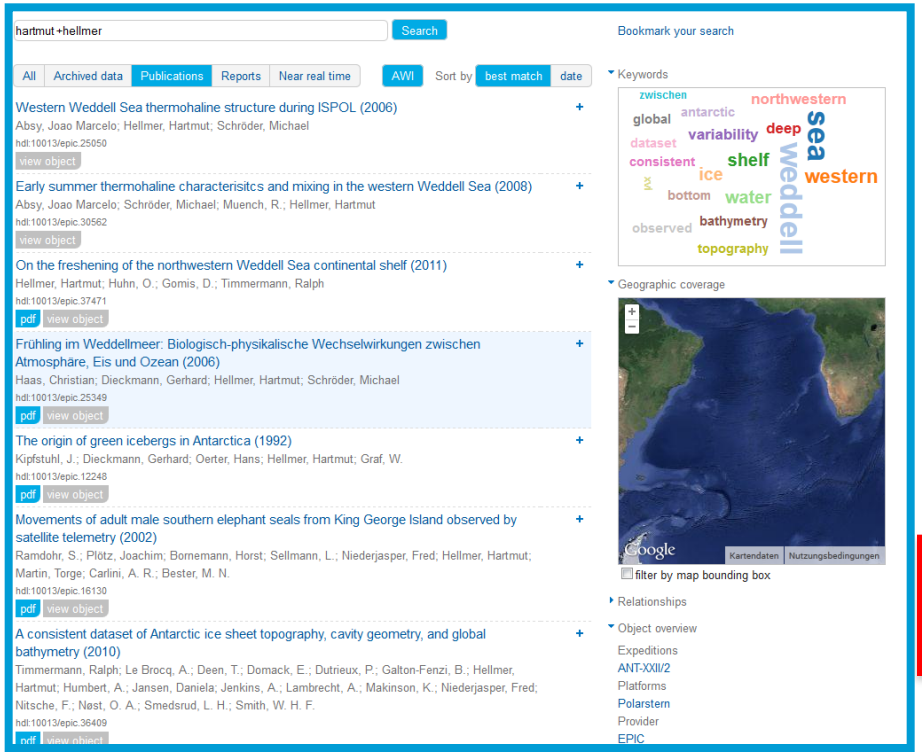
ity of ice at radio frequencies: Part II. Artificial and natural polycrystalline ice
added 10-Dec-12
Bohleber, P.; Wagner, N.; Eisen, O.
Cold Regions Science and Technology Volume: 83-84 Pages: 13-19 Published: DEC 2012
es Cited: 0
DOI: 10.1016/j.coldregions.2012.05.010
3. Title: Potential mechanisms for anisotropy in ice-penetrating radar data
added 10-Dec-12
Author(s): Drews, R.; Eisen, O.; Steinhage, D.; et al.
Source: Journal of Glaciology Volume: 58 Issue: 209 Pages: 613-624 Published: 2012
Times Cited: 1
DOI: 10.3189/2012JoG11J114
Lame, isn 't it?

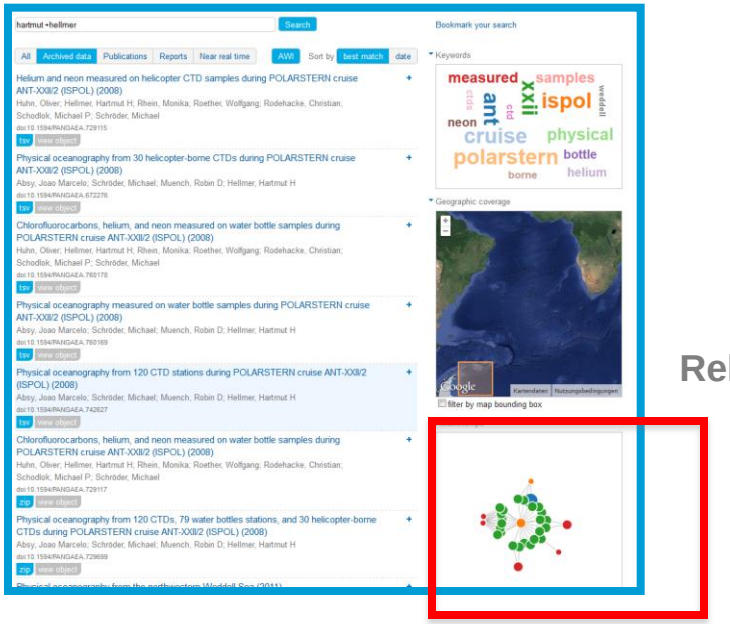
On a related front-line…

http://expedition.awi.de

Publications

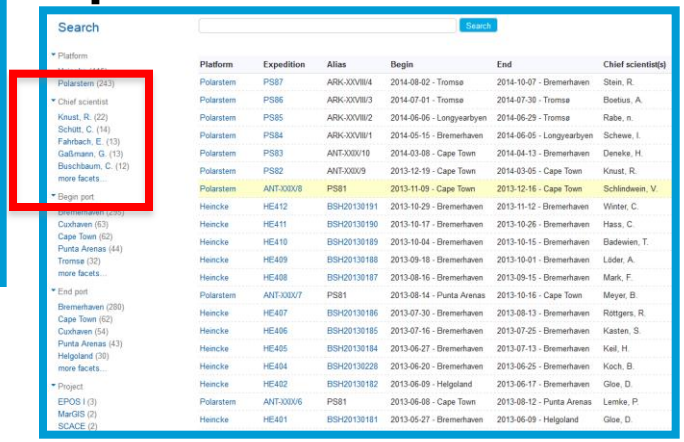


Data



Relationships

Expeditions



Role (chief scientist, PI, participant)

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Repositories 2020: the must haves

- Author **disambiguation**: ORCIDs
- **Contextual information** (projects, interests, social networks, data, expeditions, samples, etc) and **relationships**
- Comfortable **discovery**, **ingest** and **share**: facetted search, import from CrossRef and DataCite services, BibTeX, DropBox, follow/followers
- **Pre-DOI**s (i.e.: sensible submission workflows)
- Flexible **reporting** solutions

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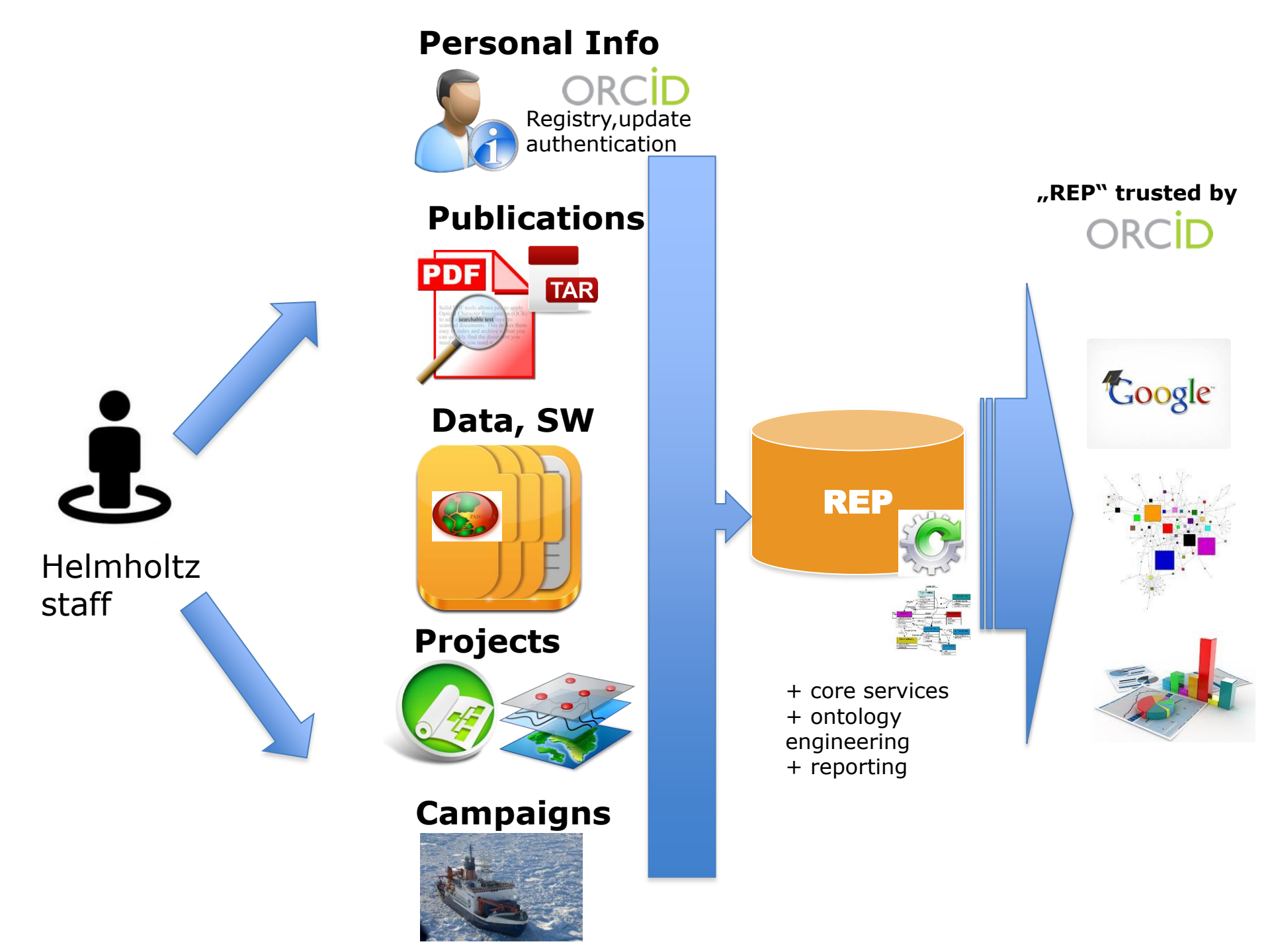
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PDF
TAR
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Data, SW
Projects
Campaigns
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+ reporting
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