ePIC: lessons learned and future perspectives

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Roadmap

- EPIC
- Lessons learned
- Vision
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!
Degree of Customization: still high

- Frontend
- ISI Journal list with autocompletion function
- Handles for splash page and individual objects
- AWI-specific schema
  - Complex author field (incl. userID for author disambiguation)
  - Additional 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“ networks: follow, followers, share „protected“ PDFs, share interest, share projects, social, network, etc

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

An homogeneous Directory of People, Publications, and other Resources as a means for IT-based Knowledge Management in Science
hdl: 10013/epic.10560
Repositories are too rigid…

1) users want to create and curate their own collections

2) users want to archive „big data“ themselves
On a related front-line...

http://expedition.awi.de

Publications

Data

Expeditions

Role (chief scientist, PI, participant)
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-DOIs (i.e.: sensible submission workflows)
- Flexible reporting solutions
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Personal Info

ORCID
Registry, update
authentication

Publications

ORCID
PDF
TAR

Data, SW

Projects

Campaigns

“REP” trusted by

+ core services
+ ontology
engineering
+ reporting

Helmholtz
staff