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Generalizing the Subject Repository

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GENERALIZING THE SUBJECT REPOSITORY: AN INVESTIGATION INTO POTENTIAL BEST PRACTICES

Coalition for Networked Information
Spring 2010 Membership Meeting
April 12, 2010

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who are we?

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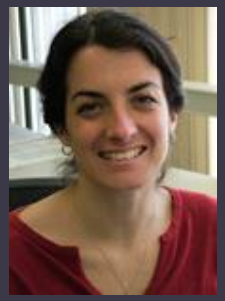
http://www.internano.org



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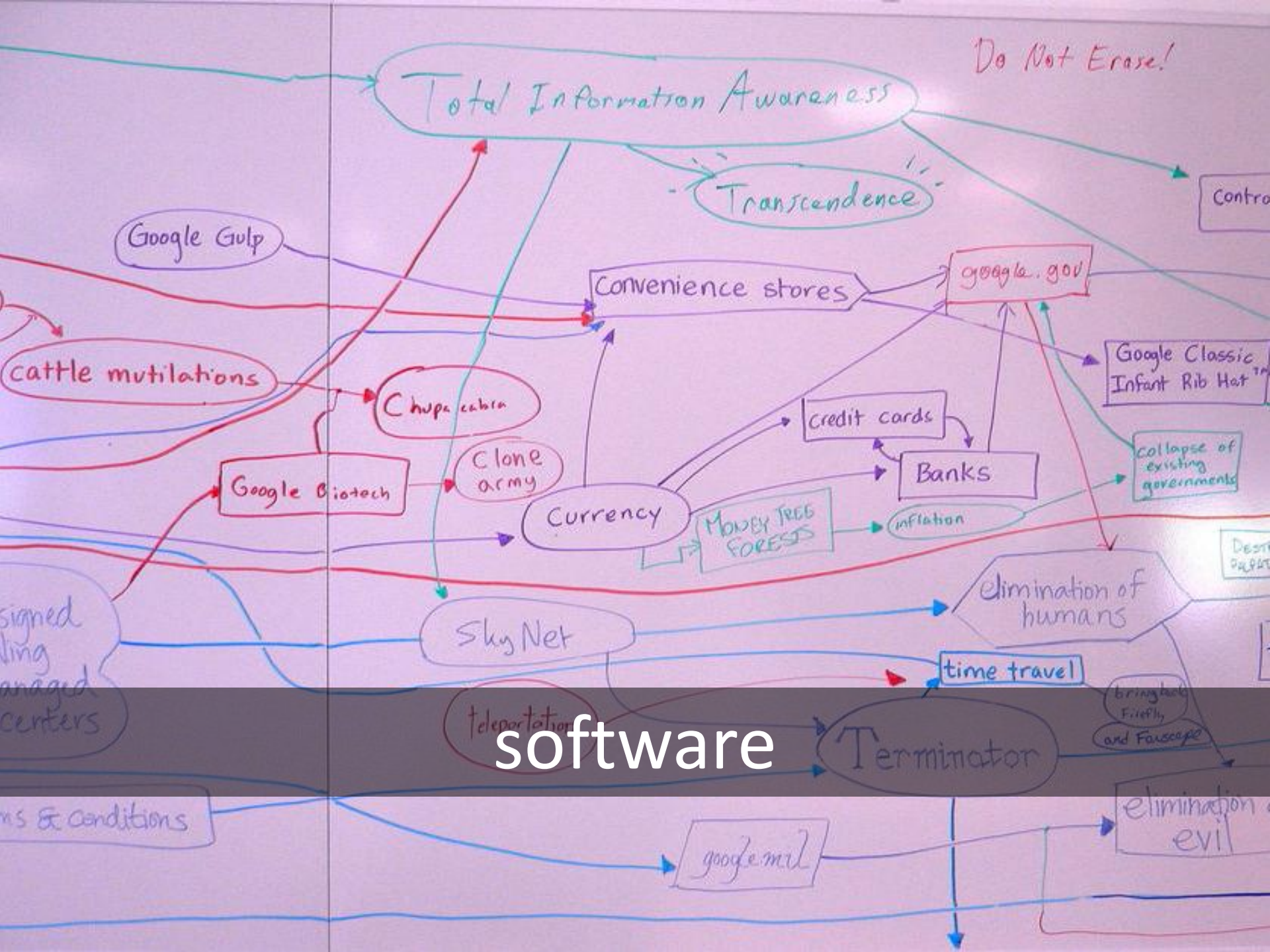
what will we talk about?

- Challenges for Subject Repositories
- Subject Repository Landscape
- Recommendations and Discussion

CHALLENGES


sociological challenges

registries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Google Biotech
Banks
collapse of existing governments
Currency
Money Tree Forest
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One journal found when searched for **0930-8989**:

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subject repository | Browse

Term Begins With | Term Contains | Relevancy Ranked

Page: Previous | Next

Select term, then add to search using: | Add

(Click term to display details.)

The term ***subject repository*** would appear here had there been an exact match

SUBJECT retrieval in online library catalogs **Use** ONLINE library catalogs -- Subject access

SUBJECT subdivisions **Use** SUBJECT heading subdivisions

SUBSCRIPTION agencies, Serials **Use** SERIALS subscription agencies

SUBSCRIPTION agents, Serials **Use** SERIALS subscription agencies

SUBSCRIPTION book trade **Use** BOOKSELLERS & bookselling -- Colportage, subscription trade, etc.

thesauri

☐ SUBSCRIPTION libraries

☐ SUBSCRIPTIONS to serial publications

☐ SUBSCRIPTIONS to serial publications -- Management


lack of library literature

SUBJECT REPOSITORY LANDSCAPE

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Subject search and browse: Physics Search Form Interface Catchup

5 Mar 2010: New Submission System and announcement schedule changes
21 Jan 2010: Collaborative support plan announced
8 Apr 2009: Added public author identifiers, Facebook interaction, `myarticles` widget, and personal Atom feeds
See cumulative "What's New" pages
Robots Beware: indiscriminate automated downloads from this site are *not* permitted

Physics

- Astrophysics (**astro-ph** new, recent, find)
  includes: Cosmology and Extragalactic Astrophysics; Earth and Planetary Astrophysics; Galaxy Astrophysics; High Energy Astrophysical Phenomena; Instrumentation and Methods for Astrophysics; Solar and Stellar Astrophysics
- Condensed Matter (**cond-mat** new, recent, find)
  includes: Disordered Systems and Neural Networks; Materials Science; Mesoscale and Nanoscale Physics; Other Condensed Matter; Quantum Gases; Soft Condensed Matter; Statisti Mechanics; Strongly Correlated Electrons; Superconductivity
- General Relativity and Quantum Cosmology (**gr-qc** new, recent, find)
- High Energy Physics - Experiment (**hep-ex** new, recent, find)
- High Energy Physics - Lattice (**hep-lat** new, recent, find)
- High Energy Physics - Phenomenology (**hep-ph** new, recent, find)
- High Energy Physics - Theory (**hep-th** new, recent, find)
- Mathematical Physics (**math-ph** new, recent, find)
- Nuclear Experiment (**nucl-ex** new, recent, find)
- Nuclear Theory (**nucl-th** new, recent, find)
- Physics (**physics** new, recent, find)
  includes: Accelerator Physics; Atmospheric and Oceanic Physics; Atomic Physics; Atomic and Molecular Clusters; Biological Physics; Chemical Physics; Classical Physics; Computation Physics; Data Analysis, Statistics and Probability; Fluid Dynamics; General Physics; Geophysics; History of Physics; Instrumentation and Detectors; Medical Physics; Optics; Physics E Physics and Society; Plasma Physics; Popular Physics; Space Physics
- Quantum Physics (**quant-ph** new, recent, find)

Mathematics

- Mathematics (**math** new, recent, find)
  includes (see detailed description): Algebraic Geometry; Algebraic Topology; Analysis of PDEs; Category Theory; Classical Analysis and ODEs; Combinatorics; Commutative Algebra; Variables; Differential Geometry; Dynamical Systems; Functional Analysis; General Mathematics; General Topology; Geometric Topology; Group Theory; History and Overview; Inform Theory; K-Theory and Homology; Logic; Mathematical Physics; Metric Geometry; Number Theory; Numerical Analysis; Operator Algebras; Optimization and Control; Probability; Quant Algebra; Representation Theory; Rings and Algebras; Spectral Theory; Statistics; Symplectic Geometry


Archive of European Integration (AEI)
AgEcon Search
arXiv
CiteSeerX
E-LIS
Organic EPrints
Policy Archive
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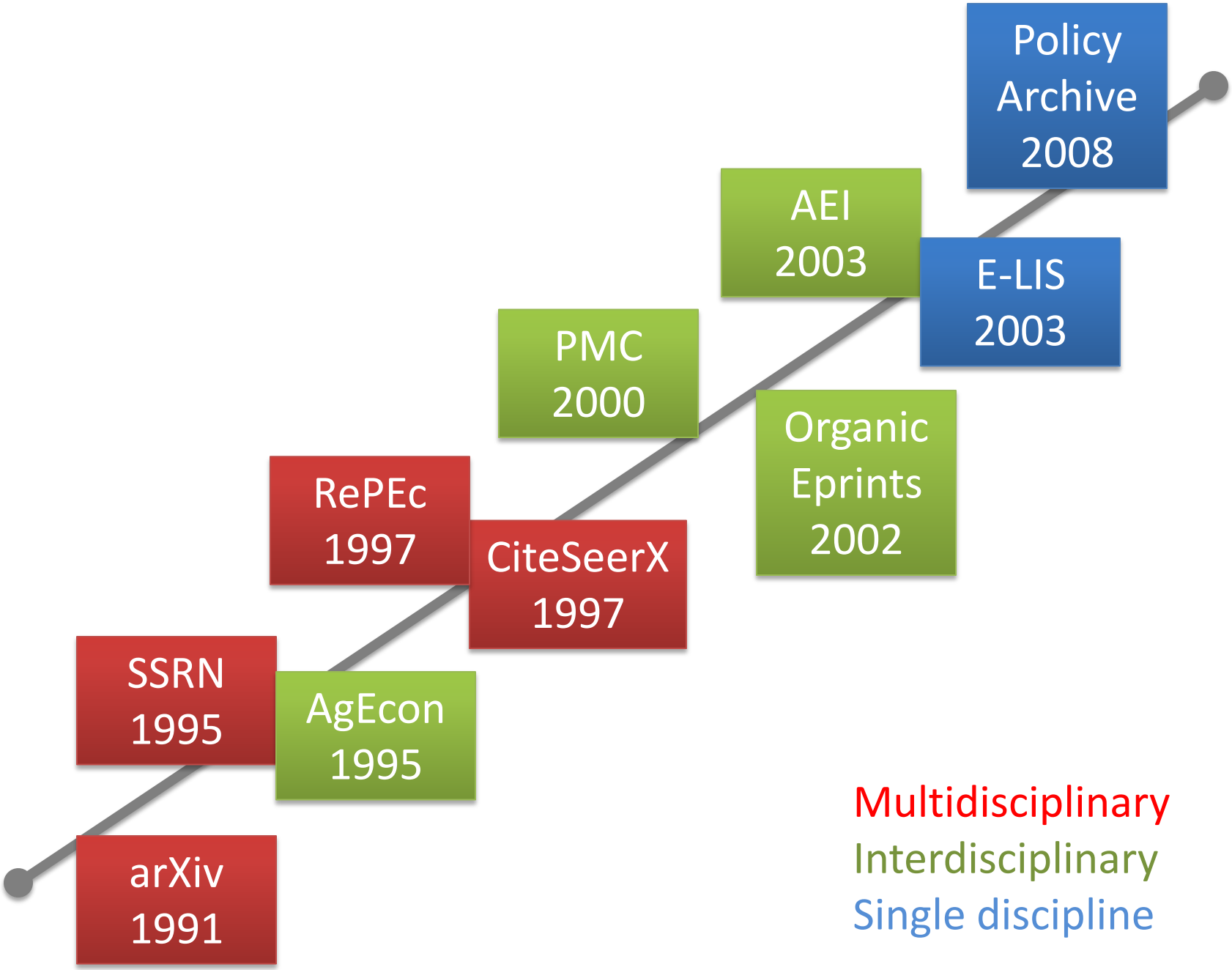
RePEc
SSRN
the big ten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arXiv 1991
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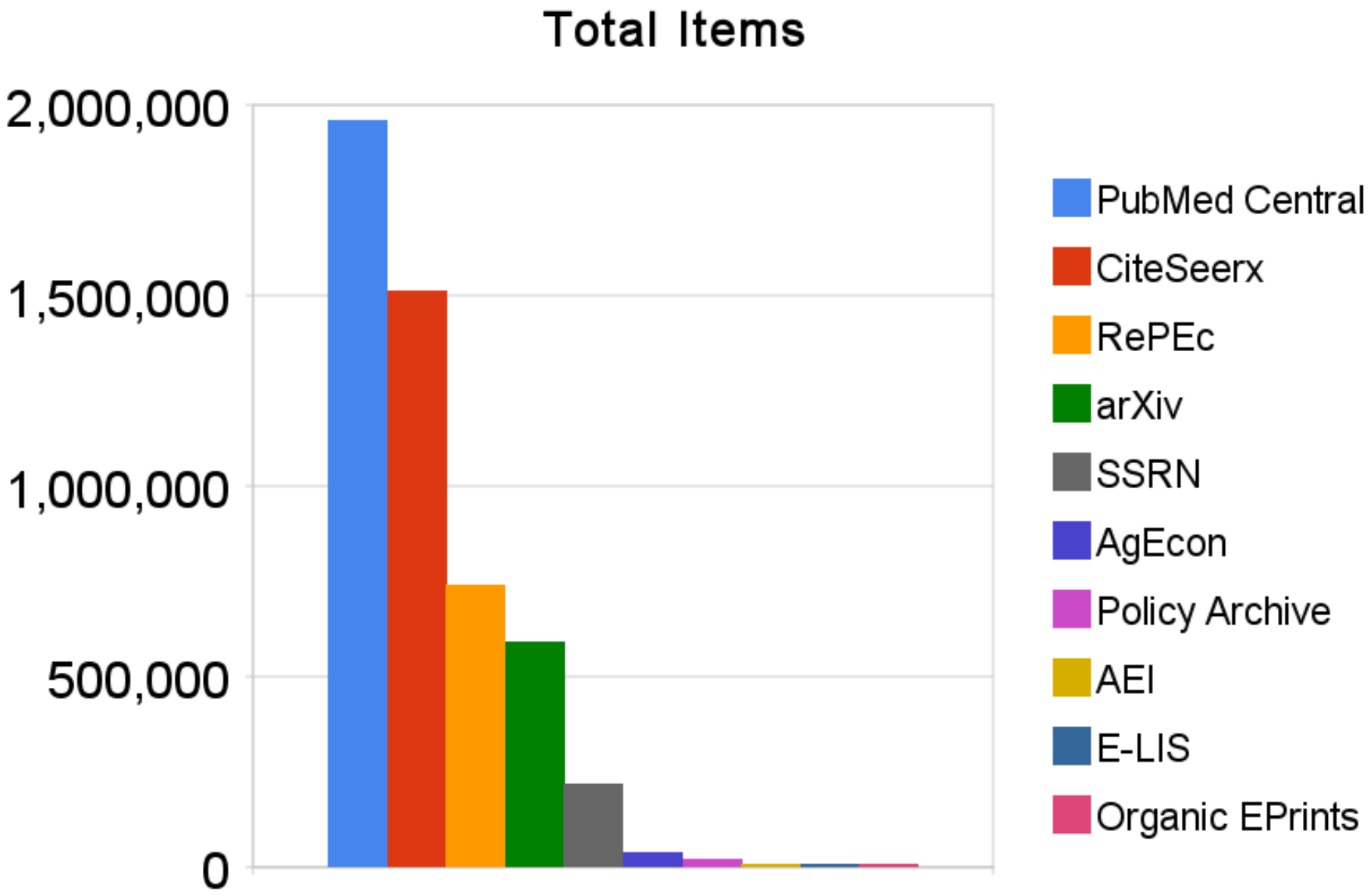
Interdisciplinary
Single discipline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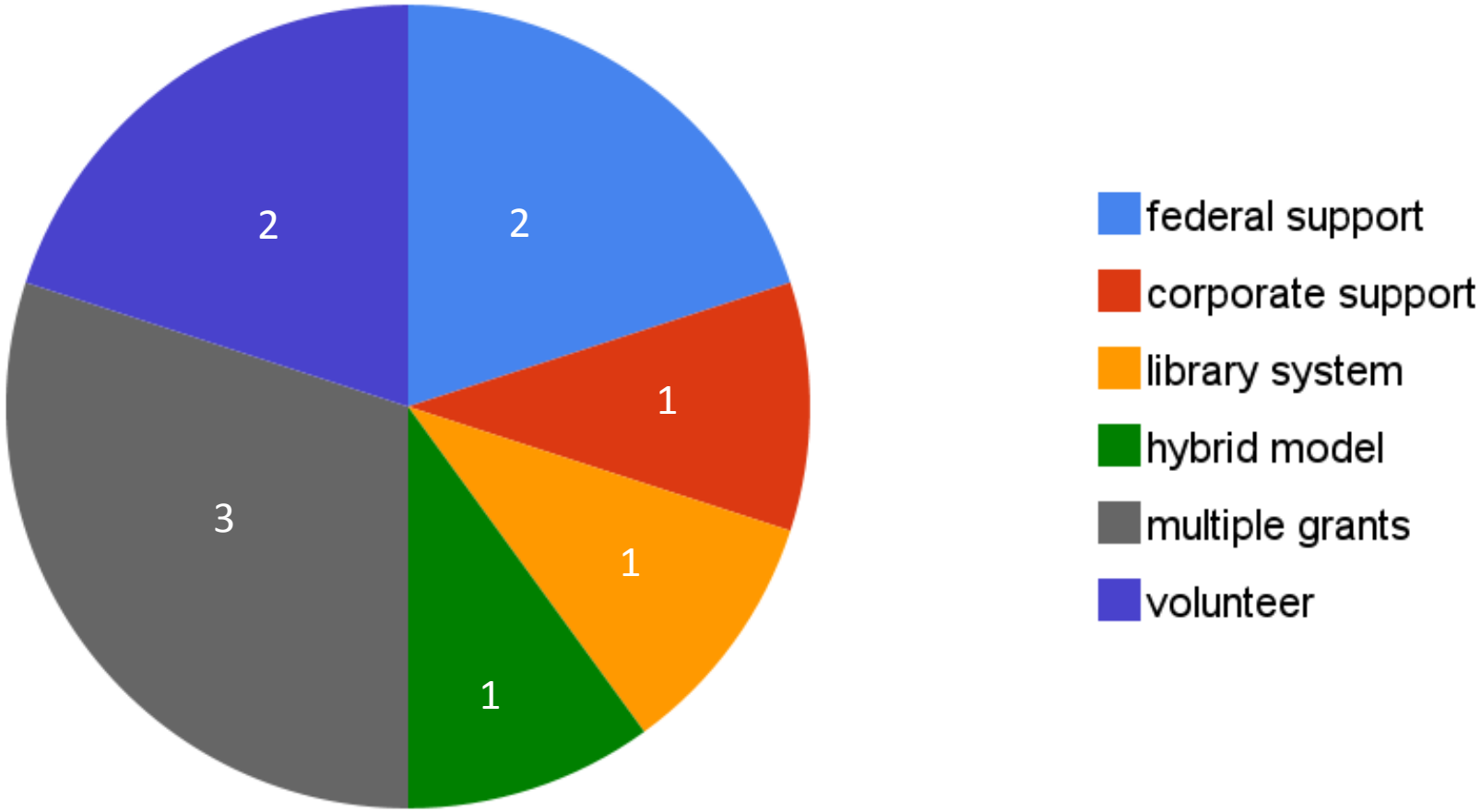
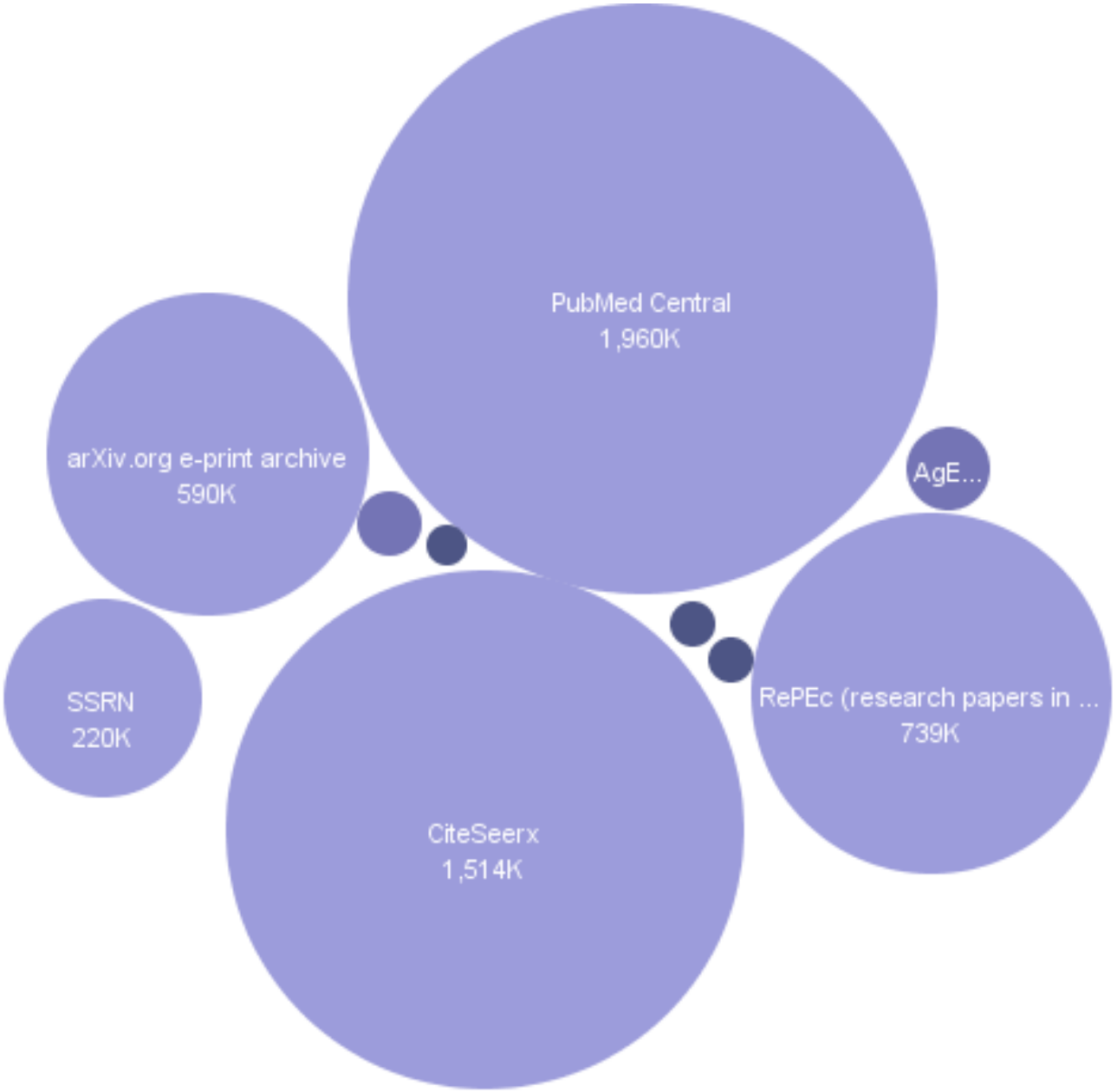
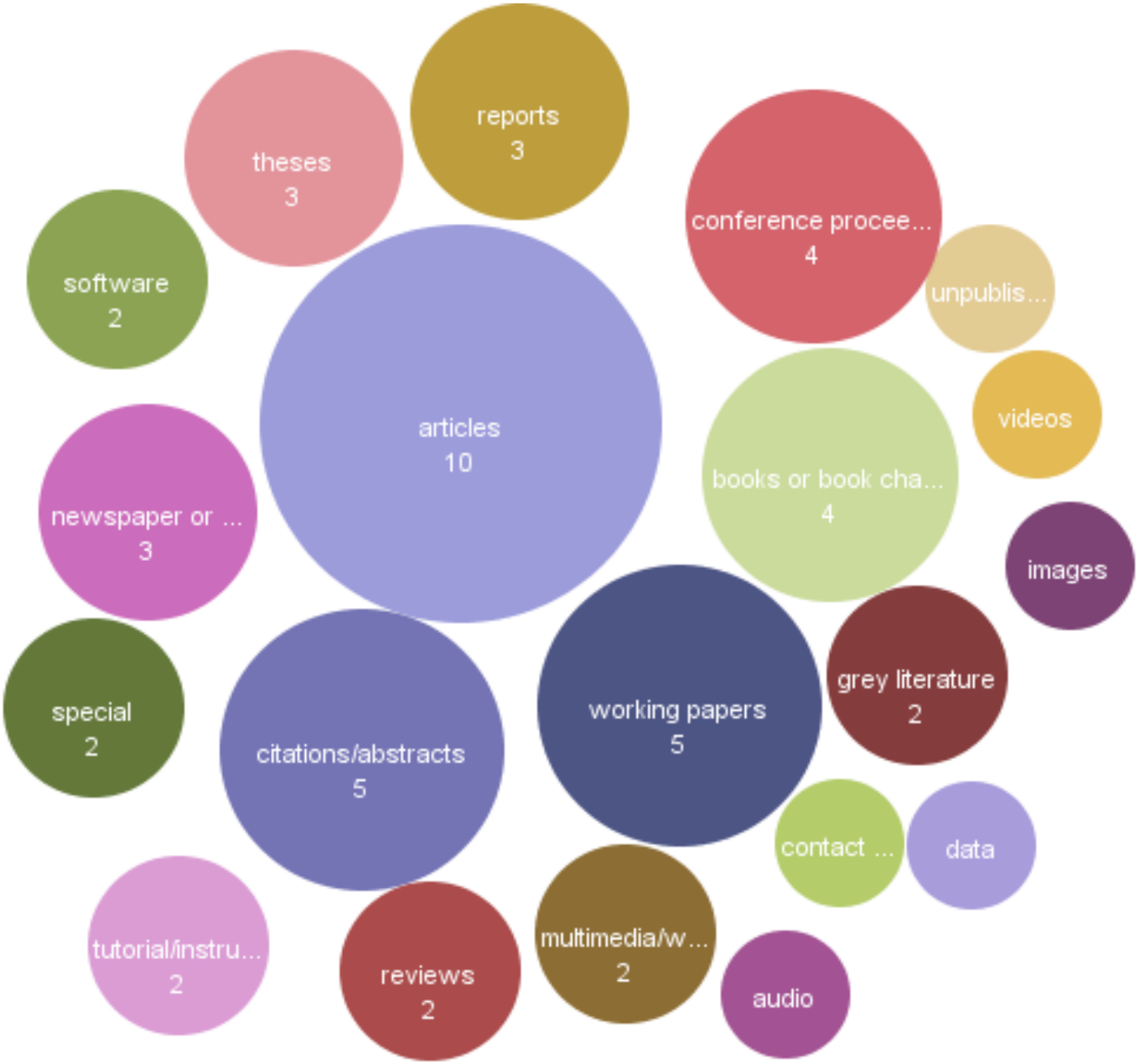
Funding Models

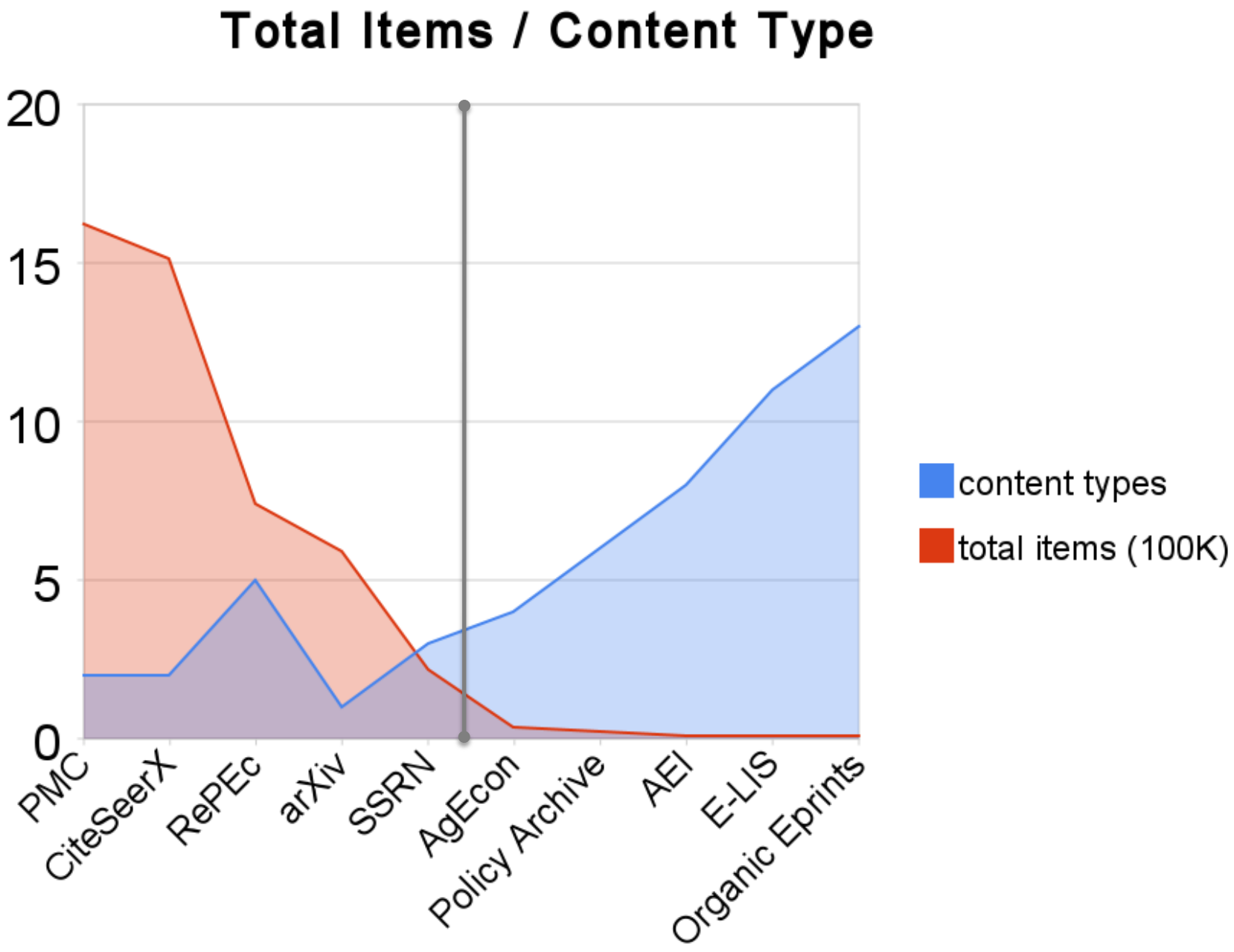


repository size and software



content type and repositories




Total Items / Content Type
20
15
10
5
0
PMC
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AEI
E-LIS
Organic Eprints
content types
total items (100K)


the rest

some approaches

- Communication with PIs/teams
- Iterative scoping and design
- Metadata first
- Local technical control
- Emphasizing a funder relationship

summary of issues

- Subject repositories are heterogeneous
- Diverse community needs and cultures
- Lack of consistent terminology
- Lack of recognition in authoritative resources
- Lack of literature

RECOMMENDATIONS

1. More literature
2. Standard language
3. Community of SR managers, librarians, and administrators
4. Instruments for evaluation
5. Guidelines/best practices

THANK YOU!

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InterNano

National Nanomanufacturing Network

CHM
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