Next Generation Repositories Que faire pour une meilleure interopérabilité

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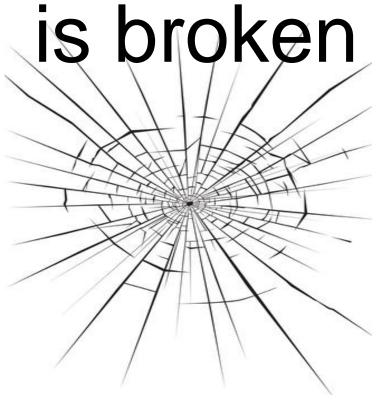


#nextgenrepositories

acoar ev



The current scholarly communication system





Not Sustainable, Equitable or Innovative



COAR's Vision





Old Technologies

But... repository systems are using **old** technologies developed over 15 years ago that do not support the functionalities we need.





Next Generation Repositories

- » Major strategic priority for COAR
- » Working Group launched in April 2016
- » Recommendations delivered in November 2017
- » Now in the implementation phase

Aim: to identify functionalities and architectures for the next generation repositories within the context of scholarly communication

Next generation repositories working group

The aim of this activity is to develop a global network of repositories that allows frictionless access to open content and encourages the creation of cross-repository added-value services.



Guiding Principles

- Distribution of control
- Inclusiveness and diversity
- Public good
- Intelligent openness and accessibility
- Sustainability
- Interoperability



Two Critical Elements of the NGR Vision

Common Behaviours of Repositories
(Interoperability)

Value Added Services on top of resources in repositories



Key Design Assumptions

- Focus on the resources themselves, not just associated metadata
- Pragmatism
- Evolution, not revolution
- Convention over configuration
- Engage with users where they are



Next generation repositories working group

"...making the **resource**, rather than the repository, the **focus** of services and infrastructure."



Characteristics of Next Gen Repositories

Manages and provides access to a wide diversity of resources

Resource centric

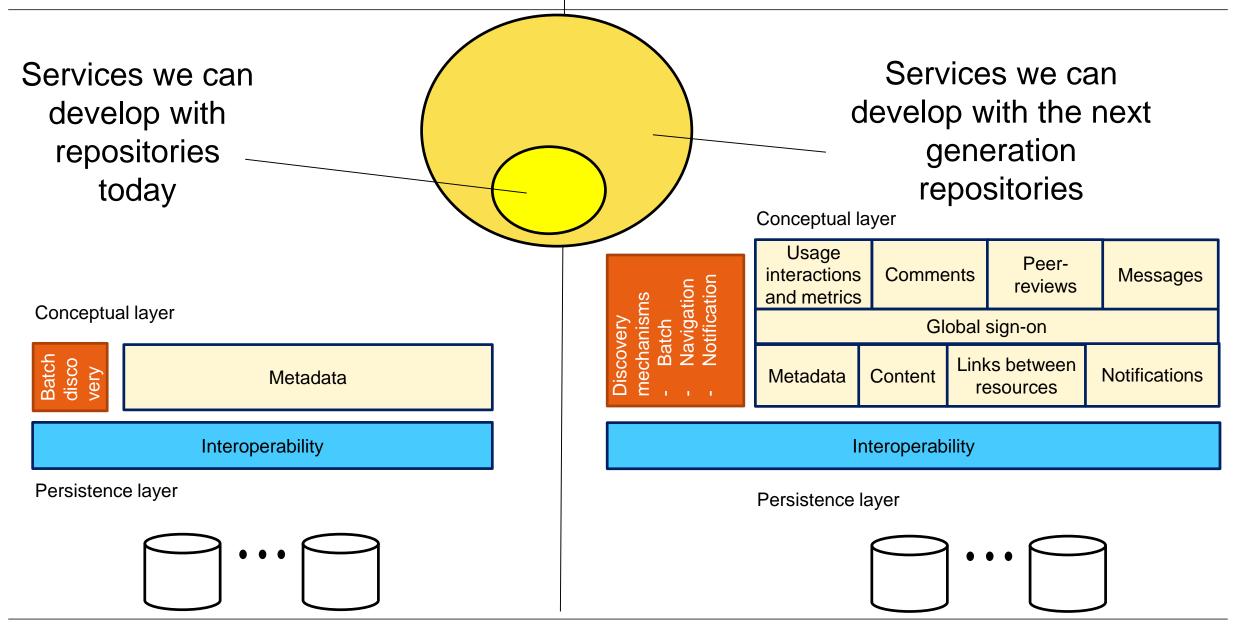
Networked

Machine-friendly

Active

Current repositories

Next generation repositories



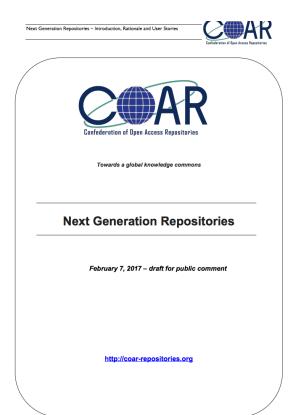
Importance of interoperability

Lack of interoperability in the scholarly communication system is a major barrier to innovation.



User stories

- Data mining
- Discovering metadata that describe a scholarly resource
- Discovering the identifier of a scholarly resource
- Discovering usage rights
- Resource syncing and notification
- Recognizing the user
- Commenting & annotating
- Providing a social notification feed
- Recommender systems for repositories
- Preservation
- Peer-review
- Comparing usage



https://www.coarrepositories.org/files/COAR-Next-Generation-Repositories-February-7-2017.pdf

11 Behaviours and Technical Recommendations

- 1. Exposing Identifiers
- 2. Declaring Licenses at the Resource Level
- 3. Discovery Through Navigation
- Interacting with Resources (Annotation, Commentary, and Review)
- 5. Resource Transfer
- 6. Batch Discovery
- 7. Collecting and Exposing Activities
- 8. Identification of Users
- 9. Authentication of Users
- 10. Exposing Standardized Usage Metrics
- 11. Preserving Resources

Les archives ouvertes de prochaine génération

Fonctionnalités et recommandations techniques du Groupe de travail COAR sur les archives ouvertes de prochaine génération

28 novembre 2017



Aurore boréale, Norvège

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Traduction française assurée par Marc Rubio & Jean-François Nominé Equipe Traduction - Inist-CNRS - Vandoeuvre-lès-Nancy

COAR: constituer les communs d'un savoir mondial

Supporting technologies

- Notification protocols
- ResourceSync
- Signposting
- ETag
- HTTP Signatures
- IPFS
- ORCID
- OpenID Connect
- Activity Streams 2.0
- SUSHI
- SWORD

- Sitemaps
- Social Network Identities
- Web Annotation Model & Protocol
- WebID
- WebID/TLS
- WebSub
- Webmention
- IIIF
- COUNTER
- Creative Commons Licenses

User stories and priority areas

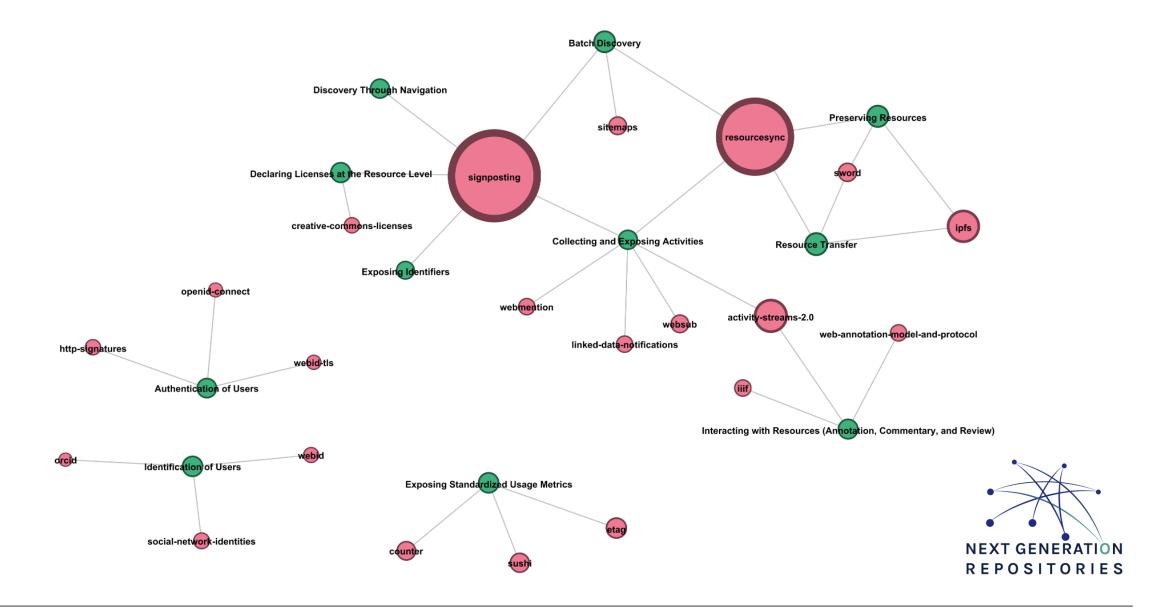
	Discovery and exposing resources	Batch Navigation	 Data mining Discovering metadata that describe a scholarly resource Discovering the identifier of a scholarly resource Discovering usage rights Resource syncing and notification
		Notification	
	Research workflows and lifecycle	Annotation	 Recognizing the user Commenting & annotating Providing a social notification feed
		Commenting	
		Social interaction	Recommender systems for repositoriesPreservation
	Research	Peer review	 Peer-review Comparing usage
	evaluation	Metrics	

Three vertical discovery mechanisms

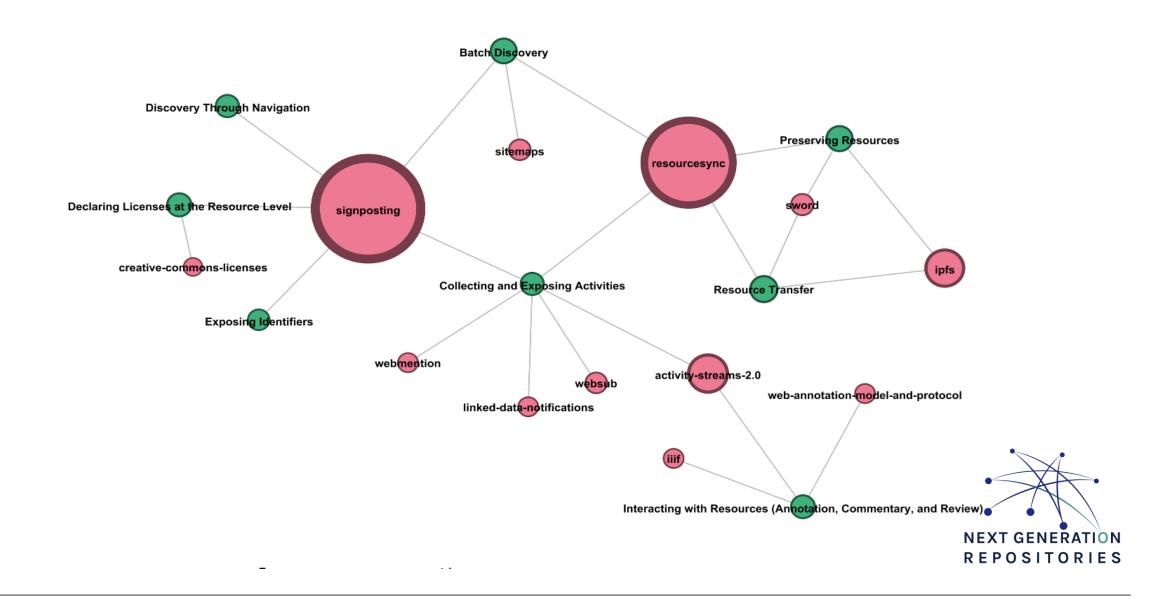
- »Batch Transferring bulk data
- »Navigation Helping robots to find resources in repositories by means of navigation
- »Notification Enabling robots to subscribe to changes in repositories



Visualize technologies and behaviour



Priority technologies: Signposting & ResourceSync



Signposting - http://signposting.org/

»Signposting is an approach to make the scholarly web more friendly to machines exposing relations as Typed Links in HTTP Link headers, fully aligned with hypermedia (REST, HATEOAS) lines of thinking regarding web interoperability

»Signposting is now implemented in DSpace-CRIS and OJS. DSpace 7 plans to provide Signposting support.

REPOSITORIES

Signposting - OpenAIRE





BLOG | NEWSLETTER

SIGN IN I REGISTER



PARTICIPATE

SEARCH

MONITOR

SUPPORT

OPEN ACCESS



🗷 Influência da garantia institucional sobre o risco de crédito 👌

Nascimento, Marcos Aurélio (2009)

Publisher: Contabilidade, Gestão e Governança Journal: Contabilidade, Gestão e Governança

Languages: Portuguese

Types: Unknown

Subjects:

O presente artigo discute a análise do crédito ao consumidor sob os aspectos pessoais - caráter e capacidade -, passando pelos demais "cs" do crédito - capital, condições e colateral - como complemento da análise. Com base em uma pesquisa de campo, buscou-se identificar fatores que justifiquem um tratamento diferenciado para consumidores que dispõem de garantias institucionais. Este tratamento diferenciado poderia ser materializado por taxas de juros menores ou linhas de crédito mais atraentes para o cliente de menor risco. Trata-se de uma pesquisa sob a ótica do tomador de recursos que, invariavelmente, vai de encontro ao interesses das instituições financeiras. A política de crédito das instituições financeiras deve ser estabelecida de forma a recompensar, também, a garantia institucional, na medida em que esta concorre para a redução do risco de crédito. Admitindo-se que há uma relação direta entre a taxa de juro e risco de crédito, pode-se inferir que quanto menor o risco menor a taxa de juro, portanto, a recompensa esperada pelo menor risco é aplicação de uma taxa menor.





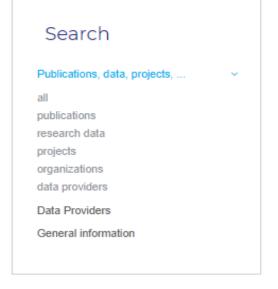
References (0)

No references.



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Contabilidade, Gestão e Governança





ResourceSync - http://www.openarchives.org/rs/toc

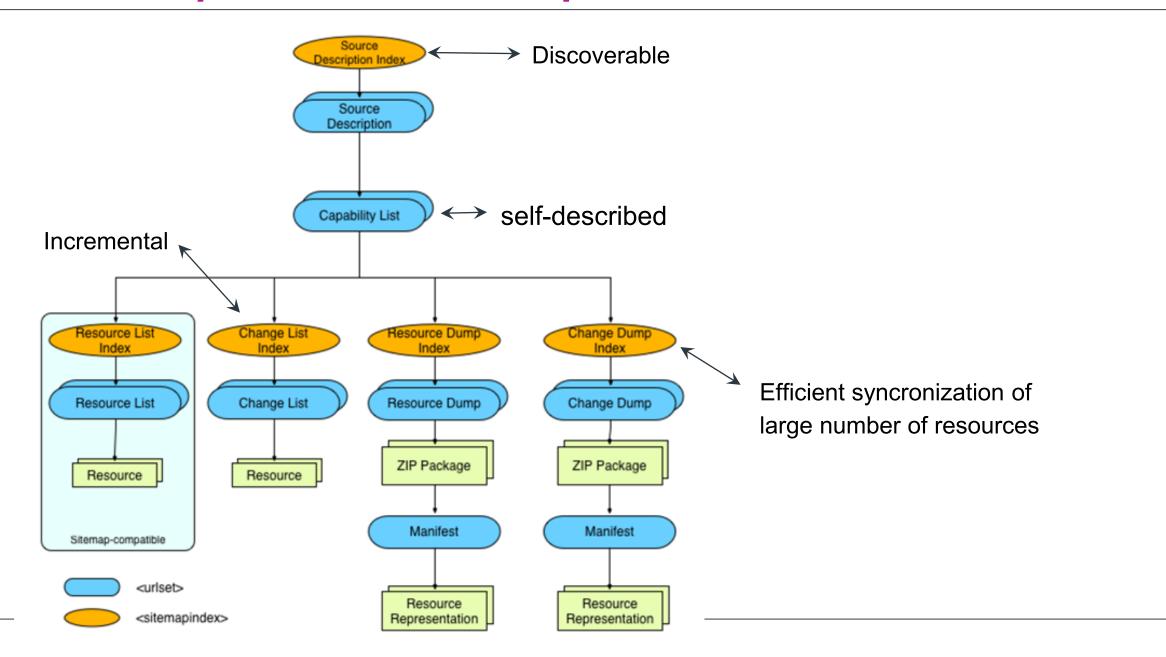
- »Successor of the OAI-PMH protocol and much more...
- »Faster, reliable and scalable
- »Allows real-time notification (and recovering of missed messages)
- »Drives resource synchronization: content and metadata are both managed



ResourceSync – core specification

- » Based on the Sitemap protocol...
- » essentially some XML files that list your resources (ResourceList)...but also machine «discoverable» from well known URLs...auto explicative in the supported functionalities (CapabilityList) and able to eventually deal with changes (ChangeList) and synchronization of large amount of data (Dumps)
- » It is a framework: additional specifications add more features, for example the Change notification allows «push-based» synchronization

ResourceSync Framework Specification (ANSI/NISO Z39.99-2017)



Ongoing work and next steps

- 1. Implementation of technologies in repository platforms
- 2. Development of network or hub services

3. Ongoing monitoring of new technologies, standards and protocols



1.Implementation of technologies in repository platforms

- Already progress several platforms are implementing NGR recommendations
 - OpenAIRE Europe
 - National Institute of Informatics (NII) Japan
 - US Next Generation Repositories Implementers Group
 - CARL Open Repositories Working Group Canada
- Meeting of repository platforms at Open Repositories 2018
 in Bozeman, Montana over the summer

2. Support the development of network or hub services

• 2 days of meeting of Repository Networks, May 14 & 15, 2018 in

Hamburg, Germany to discuss NGR functionality and international alignment



 Pilot Projects 2nd half 2018 (Open Peer Review, Common Standards for Usage Statistics, Recommender Systems)



3. Monitoring of new technologies, standards and protocols

COAR Next Generation Repositories Editorial Group

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How to contribute?

Support the implementation of the identified behaviours and technologies in your community (DSpace, Eprints, Fedora, Dataverse, Samvera, etc., etc.)

Join the conversation on GitHub

https://github.com/coar-repositories/ngr

Read the report at

https://www.coar-repositories.org/files/NGR-Final-Formatted-Report_french-version.pdf

REPOSITORIES

Call for Papers Open Repositories 2019



Call for Proposals

The 14th International Conference on Open Repositories, OR2019, will be held June 10-13th, 2019 in Hamburg, Germany. The organisers are pleased to invite you to contribute to the program. This year's conference theme is:

All the user needs



COAR Annual Meeting 2019 in Lyon



COAR Annual Meeting & General Assembly

May 21-23, 2019 Lyon, France

The Confederation of Open Access Repositories (COAR) and the Center for Direct Scientific Communication (CCSD) are pleased to announce that the next COAR Annual Meeting will take place in Lyon, France.

More information will be available soon.







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http://ngr.coar-repositories.org

REPOSITORIES