



# <Lecture 8>COAR: Towards a global network of open access repositories for research and scholarship

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## Towards a global network of open access repositories for research and scholarship

Eloy Rodrigues

October 2015

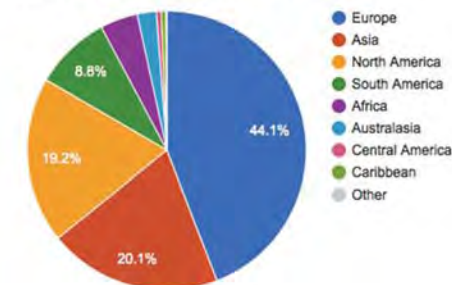
EUJ Symposium, Kobe, Japan



Open access repositories are becoming key infrastructure components for research and scholarship



Proportion of Repositories by Continent - Worldwide



Total = 2972 repositories

OpenDOAR - 13-Sep-2015

OpenDOAR has almost 3000 repositories listed



## The COAR vision



A sustainable, global knowledge commons based on a network of open access digital repositories



...but we must collaborate and harmonize standards and practices!



Standards, policies, infrastructure, strategy, interoperability, support, awareness, integration...

Inspired by Tim Berners Lee

**COAR** aims to facilitate the vision by bringing together research repositories as part of a **global infrastructure**; to link across continents and around the world, enabling new forms of research and supporting new models of scholarly communication.



## Factsheet



- COAR e.V., was founded in 2009 as an international association
- Office is based in Göttingen, Germany
- Members & Partners: over 100 institutions from 35 countries in Africa, Asia, Europe, Northern and South America
- Institutional membership fees: 500 Euros

- Members from Japan:
  - Digital Repository Federation (DRF)
  - National Institute for Informatics



## Executive Board



As of Oct 2015:

- Chairperson: Eloy Rodrigues, University of Minho, Portugal
- Vice Chairperson: Carmen-Gloria Labbé, CLARA, Chile
- Treasurer: Márta Virágos, University and National Library of Debrecen, Hungary
- Wolfram Horstmann, University of Göttingen, Germany
- Oya Rieger, Cornell University, United States
- Daisy Selematsela, National Research Foundation, South Africa



## COAR Principles

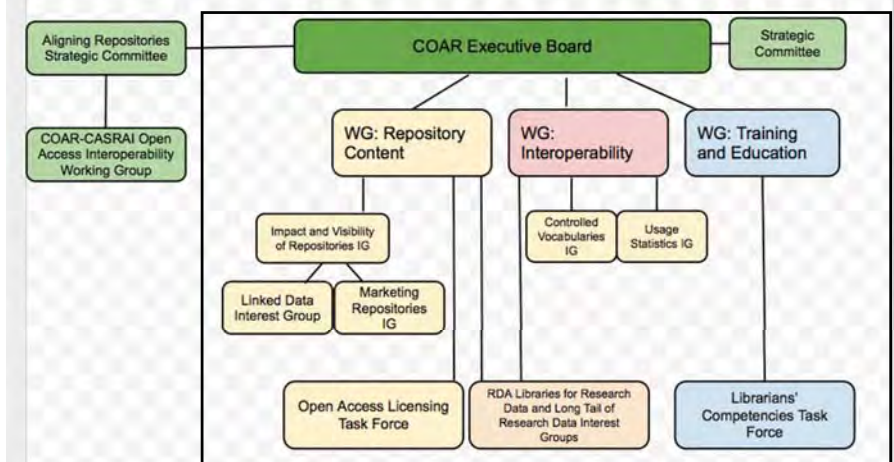


- **Global:** COAR focuses on the needs and issue of interest of repositories across the world
- **Sensitive to local differences:** COAR is cognizant of the tremendous diversity globally, and aware that needs will differ depending on the distinct regional environment.
- **Strategic:** Bringing together policy makers and regional networks to work for a future vision of repositories
- **Grass roots:** COAR aims to support developing local capacity at member institutions
- **Synergistic:** in order to achieve a common vision, repositories around the globe must adopt common approaches to policies, metadata schemas, vocabularies, etc.



7

### Overview of COAR Groups, Committees, and Task Forces



### Global voice for the repository community

RAISE THE VISIBILITY OF REPOSITORIES AND THEIR VALUE



**Promoting Open Knowledge and Open Science  
Report of the Current State of Repositories**

May 21, 2015

Produced by Confederation of Open Access Repositories (COAR) on behalf of the COAR Aligning Repository Networks Committee



### Global voice for the repository community

SHORT EMBARGO PERIODS ARE ABSOLUTELY CRITICAL FOR OPEN ACCESS!

- [COAR Statement on Embargo Periods](#): “Embargo periods dilute the benefits of open access policies and we believe that, if they are adopted, they should be no more than 6 months for the life and physical sciences, 12 months for social sciences and humanities.”
- [Statement against Elsevier’s Sharing Policy](#): In their new policy, Elsevier has placed greater restrictions on depositing into institutional repositories (and imposed embargo periods to up to 48 months)



### Aligning repository networks

A GLOBAL OPEN ACCESS INFRASTRUCTURE REQUIRES COLLABORATION

Why?

- To develop a seamless scientific infrastructure that supports the needs of researchers at the global level.
- To provide evidence that services are being developed in parallel with international activities.
- To provide uniform information about the impact of open access policies.
- To avoid duplication of work across networks and enable cost synergies in areas of common interest.



### Aligning repository networks

A GLOBAL OPEN ACCESS INFRASTRUCTURE REQUIRES COLLABORATION

How?

- Policy and advocacy: high-level coordination that raises the visibility and strengthens legitimacy of regional networks.
- Technical: adopting common set of interoperability standards to ensure that content can be aggregated across networks, facilitating discovery, re-use and the development of value added services.
- Service: common approaches to service adoption that would be of interest at the global level (e.g. common usage statistics across regions, routers, etc.).



## Aligning repository networks

HARMONIZING METADATA WILL ENABLE NETWORK SERVICES TO BE BUILT ACROSS THE REGIONAL NETWORKS

- COAR-CASRAI Working Group on Metadata for Open Access Repositories – harmonizing metadata elements across repository networks.

Funding agency	Different approaches
Project/grant number	Different approaches
Author name	✓
Output types	Controlled vocabularies being proposed by COAR
Publication date	✓
Open access status	Different approaches
Embargoes	
Licenses	
Unique identifier for publication	✓
Jurisdictional information	∅
Institution	∅

## Aligning repository networks

COAR AIMS TO DEVELOP AND MAINTAIN AN INTERNATIONAL CONTROLLED VOCABULARY FOR OPEN ACCESS REPOSITORIES

- COAR International Controlled Vocabulary - develop, translating and maintaining a set of international controlled vocabularies (including into Chinese)

Resource Type Vocabulary

Introduction

The Resource Type vocabulary defines concepts to identify the genre of a resource. Such resources, like publications, research data, audio and video objects, are typically deposited in institutional and thematic repositories or published in journals. This vocabulary supports a hierarchical model that reuses narrower and broader concepts. Multilingual labels regard regional decisions on language and form. Concepts of the vocabulary are mapped with terms and concepts of similar vocabularies and dictionaries.

The Resource Type vocabulary builds on and extends the controlled list of publication types defined in *resource-representation*. Backward compatibility is ensured by a suggested mapping.

The Resource Type vocabulary is part of the COAR Controlled Vocabularies.

Available Versions

Online: Resource Type Vocabulary Draft v.1.0 (July 2015)  
 PDF: Resource Type Vocabulary Draft v.1.0 (July 2014)  
 Linked Data Frontend: [swf.org.coar/resource\\_type](http://swf.org.coar/resource_type)

Do you have any comment for us?

The draft version 1.0 of the Resource Type Vocabulary is open for discussion and feedback from 1st August to 1st October 2015. Please use the form to provide feedback to the COAR Controlled Vocabularies Editorial Board:

## CONTROLLED VOCABULARY FOR RESOURCE TYPE (DRAFT VERSION 1.0)



<https://www.coar-repositories.org/activities/repository-interoperability/ig-controlled-vocabularies-for-repository-assets/deliverables/>

```

-- book part --
URI http://id.ocf.org/coar/resource_type/_3246
Definition (en) A defined chapter or section of a book, usually with a separate title or number.
Preferred label (en) book part
Preferred label (de) capitulo de libro
Preferred label (es) capítulo de libro
Preferred label (fr) chapitre d'ouvrage
Preferred label (de) Teil oder Kapitel eines Buches
Preferred label (ru) passage книги
Preferred label (ca) part de llibre
Alternative label (en) book chapter
Alternative label (en) book chapters
Alternative label (en) chapter in book
Alternative label (en) chapter
Alternative label (es) parte de libro
Alternative label (es) capítulo de libro
Alternative label (pt) parte de um livro
Alternative label (ru) часть книги
Alternative label (fr) partie d'ouvrage
Alternative label (fr) chapitre de livre
Alternative label (it) paragrafo
Alternative label (ru) кусочек книги
Alternative label (zh) 章节
Alternative label (pt) capítulo
Exact match http://url.org/ontology/libo/bookSection
Exact match http://url.org/igap/fabry/bookChapter
Exact match http://www.eurocm.org/ontology/semcon/1.1/ChapterBook
Exact match http://url.org/igap/igap/bookItem
Exact match http://url.org/info/repo/semantics/bookpart
Broaden book
    
```

## Aligning repository networks

DISCUSSING COMMON WAYS OF MEASURING USAGE

COAR Webinar Usage Data for Repositories

from COAR a.o. Areas of COAR

Working Group 1: Repository Content  
 Related Task Forces and Interest Groups  
 • Open Access Agreements and Licenses Task Force  
 • Impact and Visibility Interest Group

Working Group 2: Repository Interoperability  
 Related Task Forces and Interest Groups  
 • Usage Statistics Interest Group  
 • Task Force: Controlled Vocabulary for Repository Assets

Working Group 3: Repository and Repository Networks Support and Training  
 Related Task Forces and Interest Groups  
 • Joint Task Force on Librarians' Competencies in support of e-Research and Scholarly Communication

Attendee List (en)  
 • Ruthanne Miller  
 • Steve (S)  
 • Daniel Buecker  
 • Ruthanne Miller  
 • Pratikshya (P)  
 • Andrew Schilling  
 • Paul Newburn  
 • Pratikshya (P)

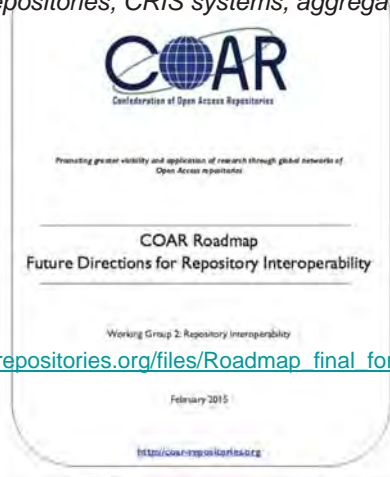
Chat (en) (en) (en)  
 Daniel Buecker: Hi, we will start in 10 minutes  
 Ruthanne Miller: We will start at Open Access Europe  
 Tony: I am happy to provide a link for the meeting on Friday's email. I'm going from work to a seminar first.  
 Paul Newburn: OK!

1:13:06

vimeo

## Interoperability with other systems

Repositories must be integrated and interoperable with other systems such as research data repositories, CRIS systems, aggregators, etc.



[https://www.coar-repositories.org/files/Roadmap\\_final\\_formatted\\_20150203.pdf](https://www.coar-repositories.org/files/Roadmap_final_formatted_20150203.pdf)

## Developing local capacity

*SUSTAINABLE AND EQUITABLE SCHOLARLY COMMUNICATIONS DEPENDS ON CAPACITY AT THE LOCAL LEVEL*



The collage includes:
 

- A banner for the "COAR-SPARC Conference 2015" with the tagline "Connecting research results, bridging communities, opening scholarship" and dates "Join us! 15-16 April 2015, Porto, Portugal".
- A video player interface for a talk titled "Repository Observatory - Talk: Repositories and CRIS" from COAR e.V., showing a VIMEO player with a 1:24:53 duration.
- A text snippet stating: "The Confederation of Open Access Repositories (COAR), the International Federation of Library Associations and Institutions (IFLA) and the Food and Agriculture Organization (FAO) of the United Nations are organizing on 'Sustainable Development Goals: The Impact of Access to Information on our World' will take place from 7-18 September 2015."

7 things you should know about...Linked Data

Scenario

The traditional approach of sharing data within silos seems to have reached its end with Web 2.0 and the rise of open data. From governments and international organizations to local cities and institutions, there is a widespread effort of opening up and interlinking data. Two important concepts have been coined in this context:

## Developing local capacity

*SUSTAINABLE AND EQUITABLE SCHOLARLY COMMUNICATIONS DEPENDS ON CAPACITY AT THE LOCAL LEVEL*

- Planned for 2016:
  - International best practices for repository management
  - Pilot projects partnering two COAR institutions for knowledge transfer and staff exchanges

Through COAR, members can:

- Pursue a common vision
- Promote policies and practices that support repositories
- Network with international colleagues
- Develop skills and knowledge
- Monitor trends
- Participate in a community of practice
- Learn about standards and best practices



For more information:



Participants of the COAR Meeting in Portugal 2015

- Visit the COAR Website: [www.coar-repositories.org](http://www.coar-repositories.org)
- Contact COAR Executive Director, Kathleen Shearer: [kathleen.shearer@coar-repositories.org](mailto:kathleen.shearer@coar-repositories.org)
- Contact the COAR office to register your interest in becoming a member of COAR: [office@coar-repositories.org](mailto:office@coar-repositories.org)
- Follow us on Twitter: **#COAR\_eV**
- Find us on Facebook: <https://www.facebook.com/COAReV>

