

# Implementing COAR Controlled Vocabularies

Ilkay Holt, COAR

COAR 2018 Annual Meeting and General Assembly

16 May 2018, ZBW, Hamburg

 ilkayholt



# Starting point

- COAR controlled vocabularies (CVs) are described in SKOS, concepts are identified with URIs, fully linked data compliant, multilingual, unique vocabularies.
  - Are COAR controlled vocabularies widely used?
  - If not, why not?
  - How can we help with more adoption of COAR vocabularies?



# Preparation phase



- Mapping: COAR CVs are provided in a hierarchical structure and offer matching terms

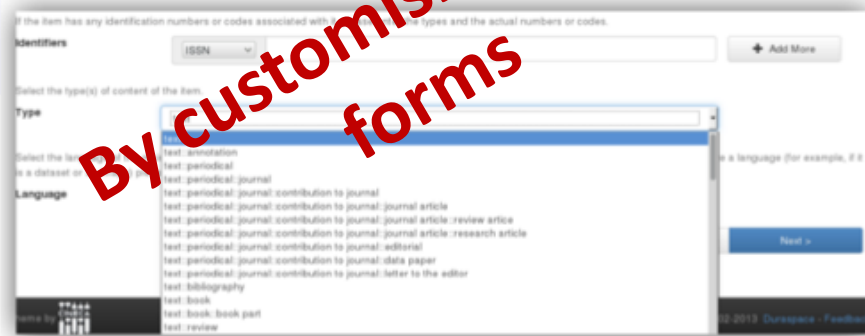
Terms in info:eu-repo/semantics	Concept label in COAR Vocabularies	Concept URI
article	Journal article	<a href="http://purl.org/coar/resource_type/c_6501">http://purl.org/coar/resource_type/c_6501</a>
bachelorThesis	bachelor thesis	<a href="http://purl.org/coar/resource_type/c_7a1f">http://purl.org/coar/resource_type/c_7a1f</a>
bookPart	book part	<a href="http://purl.org/coar/resource_type/c_3248">http://purl.org/coar/resource_type/c_3248</a>

# Implementing CVs in DSpace



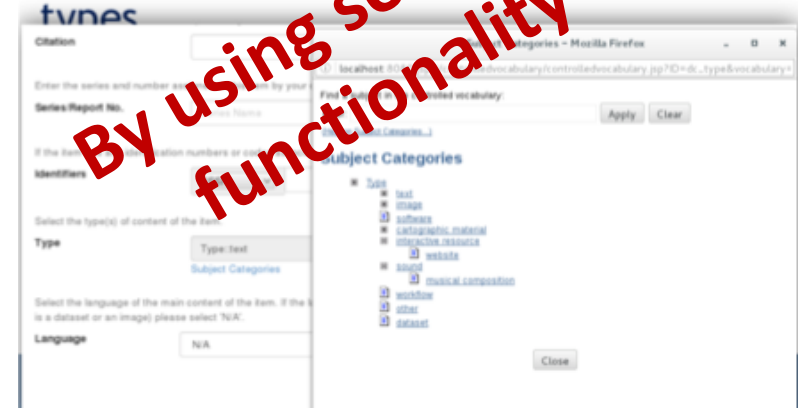
## Option 1 - Dropdown (list)

This option includes a dropdown list of the fields to allow the submitter to select one option.



## Option 2 - Controlled Vocabularies functionality

This option uses the internal functionality of DSpace to control vocabularies to present the COAR types



# Changes in Dspace by type of implementation



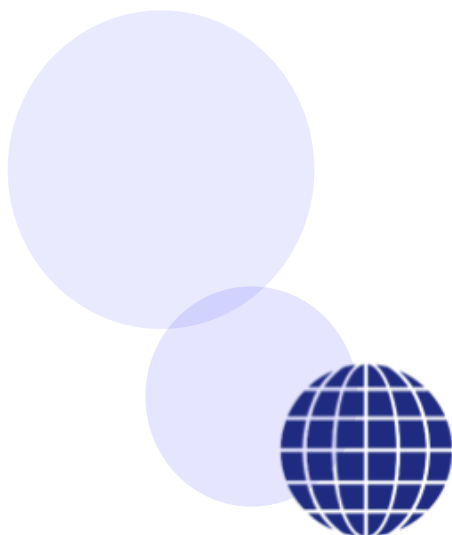
Dspace	Option 1 – Dropdown	Option 2 – Software functionality
Submission process	Change value pairs on the input-forms.xml	Use Controlled Vocabularies functionality
Recorded info	Saves the codes (e.g:c_ecc8)	Saved the text string (e.g.:text:book)
Item type display	Doesn't require conversion Recommended to modify COAR code to Driver types label	Use XOAI to map information (text strings to code)
API	Rest output – nothing to do, the COAR code is exposed	Rest output – develop a mapping Requires development in dspace-rest
SWORD ingest	Analyse and modify existing mapping	Analyse and modify existing mapping

# Implementation Guide

- COAR CVs editorial group is currently working on an implementation guide:

## Table of Contents

Introduction .....	
COAR Controlled Vocabularies.....	
Resource type vocabulary .....	
Access rights .....	
Version types.....	
Implementing controlled vocabularies .....	
Mapping vocabularies .....	
Implementing controlled vocabularies in DSpace .....	
Implementing controlled vocabularies in Samvera (Hyrax/Fedora) .....	
Implementing controlled vocabularies in EPrints .....	
Repositories which have implemented COAR Controlled Vocabularies .....	



# The way forward

- COAR needs to ensure that its vocabularies are in good quality, up-to-date, complete, compliant with standards, concepts are in a hierarchical structure and has matching values, and available in more languages
- COAR CVs need to be adopted by more metadata guidelines
- We need more prototype implementations. Repository network should see the value of vocabularies
- At technical level, repository managers need to push repository software providers to built in solutions with in the software.



# Discussion points

- Have you implemented COAR CVs?
  - If yes, what are the challenges in the implementation?
  - If not, why not?
- What is missing in the work-in-progress guide?
- What else can/should COAR offer in adoption of COAR CVs?





Thank you!

-

[ilkayholt@gmail.com](mailto:ilkayholt@gmail.com)

