Polar Data Ecosystem Mapping Data Model

Date: 2022-11-10

Version 0.0, 2022-11-10: First version

Table of Contents

Versions

Version	Date	Comment	Responsible
0.x	202?-??-??	Many updates...	Øystein Godøy
0.0	2022-10-18	First draft for internal discussion.	Øystein Godøy

1. Introduction

FIXME

1.1. Background

FIXME

1.2. Scope

FIXME

1.3. Intended audience

FIXME

2. Data model

2.1. Introduction

FIXME

2.2. Diagram

mappingElement

identifier = "UUID"	
dateUpdated = "ISO8601"	
authorName = ""	
authorEmail = ""	

ArcticDataEcosystem

- analysisPurpose

analysisPurpose

1	Active data centres
2	Interaction between data centres
3	Technology usage
4	Other

aggregatorRepository

name	"name of the repository"
url	"URL"
country	"ISO 3166-1 alpha-2"

1 0,* 0,*

harvestProfile

- harvestStatus
- harvestFrequency
- harvestEviction
- harvestProtocol
- harvestMetadata
- harvestContent

harvestNotes	Free text
dataAccess	

sourceRepository

name	name of the repository
url	URL
country	"ISO 3166-1 alpha-2"

1

harvestFrequency

1	Daily
2	Weekly
3	Monthly
4	Incremental/full
5	Manual
6	Other

harvestMetadata

1	GCMD DIF
2	ISO19115 (various profiles)
3	schema.org
4	DCAT-AP
5	Other

harvestEviction

1	Daily
2	Daily
3	Weekly
4	Monthly
5	Quarterly

harvestStatus

1	In planning
2	At present
3	In past
4	It is complicated

harvestProtocol

1	OAI-PMH
2	OGC CSW
3	OpenSearch
4	DCAT-AP
5	Other

harvestContent

1	Full
2	Subset
3	Other

dataAccess

1	DirectSingleFileDownLoad
2	OPeNDAP
3	OGC WMS
4	OGC WFS
5	OGC WCS
6	OGC API
7	ODATA
8	Other