

Metadaten in ABCD & Harmonisierungsmöglichkeiten



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Typische Metadaten in ABCD am MfN

- *Institution, Dataset-Title*
- Triplet: *SourceInstitutionID, SourceID, UnitID*
- *Owner, Content Contact, Technical Contact*
- *KindOfUnit, RecordBasis*
- *DateCreated, DateModified*

- Multimedia-Objekte: *Format, ProductURI, License, etc.*

OpenUp! Mindestanforderungen: <http://open-up.cybertaxonomy.africamuseum.be/ExcelOpenUPABCDESE>

Harmonisierung Mapping Ja/Nein ?

Technisch

vs.

Inhaltlich

Feld gemappt

vs.

Leerer Inhalt

Technisch



DataSets/DataSet ∞

- ContentContacts

- ContentContact

Address ⊕

Mapping1: metadata.ContentContactAddress(text) ⊖ ⊖

Email ⊕

Mapping1: metadata.ContentContactEmail(text) ⊖ ⊖

Name ⊕

Phone ⊕

Mapping1: metadata.ContentContactPhone(text) ⊖ ⊖

DatasetGUID ⊕

Mapping1: metadata.DatasetGUID(text) ⊖ ⊖

- Metadata

- Description

- Representation

@language ⊕

Coverage ⊕

Mapping1: metadata.DatasetCoverage(text) ⊖ ⊖

Details ⊕

Mapping1: metadata.DatasetDetails(text) ⊖ ⊖

Title ⊕

Mapping1: metadata.DatasetTitle(text) ⊖ ⊖

URI ⊕

Mapping1: metadata.DatasetURI(text) ⊖ ⊖

Harmonisierung Mapping Ja/Nein ?

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Leerer Inhalt

Inhaltlich



```
DataSets / DataSet ∞
- ContentContacts
  - ContentContact
    Address ⊕
      Mapping1: metadata.ContentContactAddress(text) ○ ⊖
    Email ⊕
      Mapping1: metadata.ContentContactEmail(text) ○ ⊖
    Name ⊕
      Mapping1: metadata.ContentContactName(text) ○ ⊖
    Phone ⊕
      Mapping1: metadata.ContentContactPhone(text) ○ ⊖
  DatasetGUID ⊕
    Mapping1: metadata.DatasetGUID(text) ○ ⊖
- Metadata
  - Description
    - Representation
      @language ⊕
        Mapping1: "EN EN-US" ○ ⊖
      Coverage ⊕
        Mapping1: metadata.DatasetCoverage(text) ○ ⊖
      Details ⊕
        Mapping1: metadata.DatasetDetails(text) ○ ⊖
      Title ⊕
        Mapping1: metadata.DatasetTitle(text) ○ ⊖
      URI ⊕
        Mapping1: metadata.DatasetURI(text) ○ ⊖
```

Leer ???

Maximal-Mapping am MfN

- Verwendung von Mapping-Vorlagen (geringster Aufwand)
- Datenpräparation für BioCASE sorgt dafür, dass ein Feld **leer** ist, wenn es nicht ausgegeben werden soll
es ist aber de facto **gemappt**
- Wie bestimmen wir, welche der Mindestanforderungen erfüllt sind?

Vorschlag: Prüfen, ob Felder die ungleich NULL sind !

Möglichkeit: BioCAsE Monitor Service

Glöckler F, Hoffmann J, Theeten F (2013). <http://dx.doi.org/10.3897/BDJ.1.e968>

- Test-Instanz: <http://bms.gfbio.org>
- Provider Übersicht & **Capabilities & Mapping Check**

BioCAsE Monitor Service Provider Übersicht

bms.gfbio.org



BioCAsE Monitor Service 1.4

developed by and

museum für naturkunde
hosted by

› Museum für Naturkunde Berlin

▼ Staatliche Naturwissenschaftliche Sammlungen Bayerns

Title	# Current Records	UnitID	FileURI	Useful Links	
IBF Monitoring of Orthoptera <small>(cached at 2014-12-04 11:34:34) renew</small>	45	distinct: 45 dropped: 0 total: 45	distinct: 21 dropped: 0 total: 27	View mapping	
The Arthropoda Varia Collection at the Zoologische Staatssammlung München <small>(cached at 2014-12-04 11:34:34) renew</small>	19903	distinct: 19903 dropped: 0 total: 19903	distinct: 9714 dropped: 0 total: 9617	View mapping	
The Erysiphales Collection at the Botanische Staatssammlung München <small>(cached at 2014-12-04 11:34:39) renew</small>	11537	distinct: 11537 dropped: 0 total: 11537	distinct: 6040 dropped: 0 total: 11531	View mapping	
sum:	31485				

› Zoologisches Forschungsmuseum Alexander Koenig

› Senckenberg

› Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH



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BioCAsE Monitor Service Mapping Checker

bms.gfbio.org/services/getConceptsInfo.php?url=http://anymals.org/biocase/pywrapper.cgi?dsa=citizenScience



[ABCD->PanSimple](#) |
 [ABCD->ESE](#) |
 [ABCDEF->ESE \(paleontology\)](#) |
 [ABCDEF->ESE \(mineralogy\)](#)

	ABCD CONCEPT	SEARCHABLE	DATATYPE	TARGET ELEMENT	EXAMPLE VALUES	COUNTER (DISTINCT)	COUNTER (ALL)	COUNTER (DROPPED)
1	/DataSets/DataSet/ContentContacts/ContentContact/Email	1	normalizedString		daniel@anymals.org	<input type="button" value="count"/>		
2	/DataSets/DataSet/ContentContacts/ContentContact/Name	1	normalizedString	dc:contributor	Daniel P. Zitterbart	<input type="button" value="count"/>		
3	/DataSets/DataSet/Metadata/Description/Representation/Details	1	normalizedString			<input type="button" value="count"/>		
4	/DataSets/DataSet/Metadata/Description/Representation/Title	1	normalizedString	urn:pangaea.de:dataportals:dataset/dataCenter	Anymals+plants - Citizen Science Data	<input type="button" value="count"/>		
5	/DataSets/DataSet/Metadata/Description/Representation/URI	1	anyURI			1	12176	0
6	/DataSets/DataSet/Metadata/Description/Representation[@language]	0	language		en			
7	/DataSets/DataSet/Metadata/IPRStatements/Acknowledgements/Acknowledgement/Details	1	normalizedString			<input type="button" value="count"/>		
8	/DataSets/DataSet/Metadata/IPRStatements/Acknowledgements/Acknowledgement/Text	1	normalizedString		(see website)	<input type="button" value="count"/>		
9	/DataSets/DataSet/Metadata/IPRStatements/Acknowledgements/Acknowledgement/URI	1	anyURI		https://www.anymals.org/?params=null&view=/imprint/&back=null	<input type="button" value="count"/>		
10	/DataSets/DataSet/Metadata/IPRStatements/Acknowledgements/Acknowledgement[@language]	0	language		en			
11	/DataSets/DataSet/Metadata/IPRStatements/Citations/Citation/Details	1	normalizedString			<input type="button" value="count"/>		
12	/DataSets/DataSet/Metadata/IPRStatements/Citations/Citation/Text	1	normalizedString		(see website)	<input type="button" value="count"/>		

Möglichkeit: BioCAsE Monitor Service

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- Test-Instanz: <http://bms.gfbio.org>
- Provider Übersicht & **Capabilities & Mapping Check**
- Notwendigkeit:
Definition der **Mindestanforderungen**
gemappter Metadaten im Rahmen von GFBIO

Diskussionsanstöße

- Welche Felder ungleich NULL ?
- Welche Felder durchsuchbar ?
- Language Attribute ?
- Wer ist der/die technische Ansprechpartner/in ?
- Obligatorische Extensions inkl. Anforderungen ?
- Anforderungen des GFBIO Portals ?

**Danke für die
Aufmerksamkeit!**