

ABCD consensus elements for data publication

ABCD 2.06 as standard for data publication with GFBio consensus elements and GFBio use case

The GFBio initiative agreed to have the following ABCD 2.06 core elements as mandatory or recommended for datasets with biodiversity occurrence data, see [wiki representation of ABCD 2.06](#).

All biodiversity & collection datasets to be published via the [GFBio portal](#) have to deliver information which is transformed to Pansimple and processed for the GFBio harvesting tool. The table below lists the elements for dissemination of "datasets" with "data records (= units)" structured according to ABCD. The document will be extended within the next years and modified following new ratified versions of ABCD, e.g. [ABCD 3.0](#).

The GFBio controlled vocabularies for Kingdom (=Regnum) and RecordBasis are provided by the [API](#) of the [GFBio Terminology Service](#).

Elements in bold and red are mandatory within ABCD
ABCD elements in normal letters and red are agreed to be mandatory within GFBio
Elements in pale red are highly recommended and are mapped by the data centers (using the BioCAsE provider software). They are normally included in quality datasets for GFBio dissemination. In some cases, however, the content might not exist or be irrelevant and can be omitted.
ABCD elements in <i>italics</i> are not mandatory but recommended.
Elements in yellow do not exist in ABCD 2.0; are recommended as new ABCD elements in ABCD 3 -
Elements with (*) are mandatory for a ABCD and EML compliant GFBio submission tool on dataset level ;

ABCD Element Group	Comments	Example dataset 1, GFBio Data Portal : Search for "UJDIP.PHYLCOLL.ALL.V1"
Dataset GUID		id.zfmk.de/dataset_ZFMK/270001
Dataset ID	exists in the ABCD variants 2.06d, 2.06e or 2.06f	-
*Technical Contacts		Data Center LIB
Technical Contacts		datacenter at leibniz-lib.de
*Content Contacts		Prof. Dr. R. Beutel
*Description		Collection of specimens from descriptive data of head structures in Diptera
Description		Detailed description of the data set from the thesis of Dr. rer. nat. Katharina Schneeberg: The evolution of head structures in Diptera and the phylogeny of the order, Friedrich-Schiller-Universität Jena (2014) as part of the DFG project The Evolution of larval and adult features in Diptera (Insecta). DFG RB 1789/6
*Description	here URI of dataset homepage and description or - alternatively - the LandingpageURI on dataset level generated via BMS service	LandingpageURI on dataset level generated via BMS service (not available at the moment) or http://gepris.dfg.de/gepris/projekt/164998788
Related Dataset		
Related Dataset		
Related Dataset		-
Related Dataset		-
Revision		2016-05-10 09:27:07
IPRStatements		CC BY-SA 4.0

Gathering	in palaeontological and geological units often not available	2008-09-04
Gathering		Schneeberg, K.
Gathering		Great Smoky Mountains National Park
Gathering	for marine areas see element "AreaName"	United States
Gathering		US
Gathering	alternative to country; applicable in marine areas	
Gathering		
Gathering		
Gathering	only applicable if coordinates are present, then mandatory	
Gathering	for palaeontological and geological units	
Gathering	for palaeontological and geological units	
RecordURI	here landingpageURI on data unit level; in the case that this element is not filled, the BMS Service will generate the content (=BioCASE unit landingpage)	landingpage on UnitLevel generated via BMS Service (not available at the moment) or http://id.zfmk.de/collection_ZFMK/10000000/998152/200892
Other notable Elements		
Scope		
Unit GUIDs	e.g. for collection object stable identifiers and stable URIs of existing landingpages on UnitLevel	http://id.zfmk.de/collection_ZFMK/10000000/998152/200892
TitleCitation (Unit)		
CollectorsFieldNumber (Unit)		
MeasurementsAndFacts		
Association, AssociatedUnitID		
AssociatedUnitSourceInstitutionCode	recommended if AssociatedUnitID exists	
AssociatedUnitSourceName	recommended if AssociatedUnitID exists	
AssociationType	recommended if AssociatedUnitID exists	