Darwin Core

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DWC, DWC-A and DWC-DP

- [DWC - Darwin core](#) - name of the standard defined by Biodiversity Information Standards ([TDWG](#))
- [DWC-A - Darwin core archive](#) - a package (zip file) of data has to contain exactly one core file (csv), and [Ecological Metadata Language (EML)](#) xml file. It can also contain multiple extension files (csv)
- [DWC-DP](#) - Darwin core data package - new (not yet fully ratified) standard for publishing more complex data structures - build on top of DWC-A (contains extra datapackage.json file in the that describes relations of the files)

DWC

Vocabulary of terms

https://dwc.tdwg.org/

Record-level

This category contains terms that are generic in that they might apply to any type of record in a dataset.

type · modified · language · license · rightsHolder · accessRights · bibliographicCitation · references · feedbackURL · institutionID · collectionID · datasetID · institutionCode · collectionCode · datasetName · ownerInstitutionCode · basisOfRecord · informationWithheld · dataGeneralizations · dynamicProperties
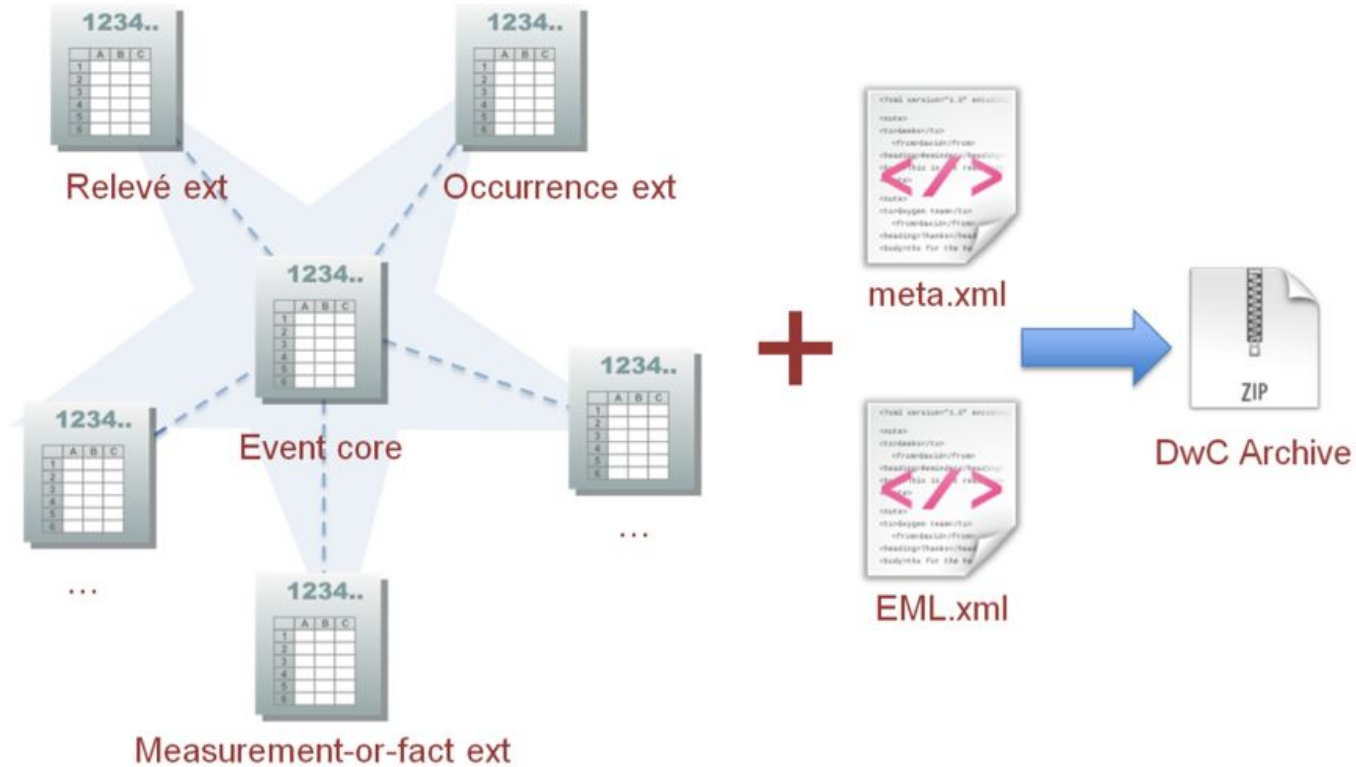
type	
Identifier	http://purl.org/dc/elements/1.1/type
Definition	The nature or genre of the resource.
Comments	Must be populated with a value from the DCMI type vocabulary (https://www.dublincore.org/specifications/dublin-core/dcmi-type-vocabulary/2010-10-11/).
Examples	StillImage
	MovingImage
	Sound
	PhysicalObject
	Event
	Text

modified	
Identifier	http://purl.org/dc/terms/modified

DWC-A

Cores and extensions

- Cores
  - Taxon core
  - Occurrence core
  - Event core
- Extensions
  - Darwin Core Occurrence
  - Darwin Core Measurement or Facts/Extended Measurement Or Facts
  - Darwin Core Resource Relationship
  - DNA derived data
  - GBIF Relevé
  - Simple Multimedia
  - …

AI, Tools and other…

The rise of LLMs

Main companies:

OpenAI - ChatGPT

Google - Gemini

Anthropic - Claude.ai

X - Grok