

EMu and DwC

How will EMu handle the new Unified Model?



Agenda

Before – History of EMu and DwC

01

During – Things that Become Possible

02

After – What Comes Next?

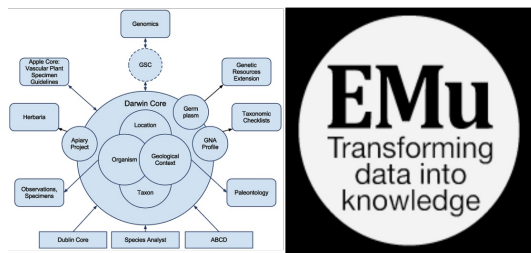
03



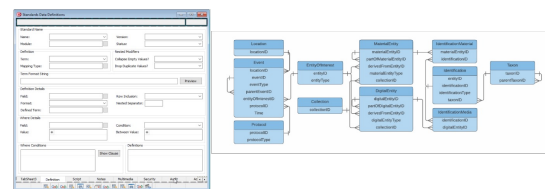
Changes Through Time

BEFORE

Both EMu and DwC have changed over the years, reflecting increased desire to share data and awareness of the standards needed to do so effectively.



Record-level Terms	Darwin Core terms, institutions, collections, nature of data record	Simple Darwin Core (flat)
Occurrence	evidence of species in nature, observers, behavior, associated media, references	
Event	sampling protocols and methods, date, time, field notes	
Location	geography, locality descriptions, spatial data	
Identification	linkage between Taxon and Occurrence	
Taxon	scientific names, vernacular names, names origins, taxon concepts, and the relationships between them	
GeologicalContext	geologic time, chronostratigraphy, biostratigraphy, lithostratigraphy	
ResourceRelationship	explicit relationships between identified resources (e.g., one organism to another, taxon to location, etc.)	Darwin Core (nested)
MeasurementOfPart	measurements, facts, characteristics, assertions, references	



1990s Gen Z – Digital Natives

1997 – EMu born

1999 – DwC born

2000-2009 Coming of Age

2005 – EMu gets DwC tabs

2009 – DwC Ratified

2010-2022 Gen Alpha – Tech Immersed

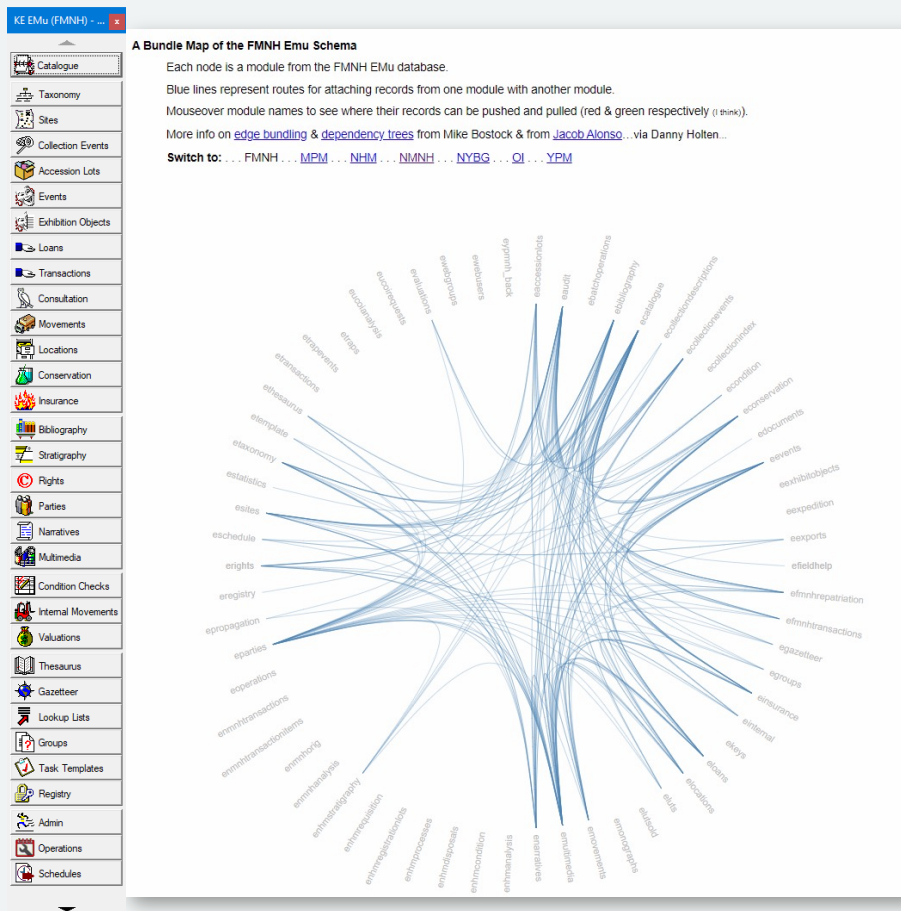
2022 – EMu gets standards module

2022 – DwC gets a new model

Complex Relationships.

Every EMu is unique

<https://emudata.fieldmuseum.org/emu-schema-map/edgebundle-fmnh.html>



AFTER

Connecting EMu to the new model.

From static to dynamic

estandards module

1. Any standard
2. Any format
3. Any field

Standards Data Definitions

Standard Name

Name: Version:

Module: Status:

Definition

Term: Mapping Type:

Nested Modifiers

Collapse Empty Values? Drop Duplicate Values?

Term Format String

Preview

Definition Details

Field: Row Inclusion:

Format: Nested Separator:

Defined Term:

Where Details

Field: Condition:

Value: Between Value:

Where Conditions

Show Clause

Definitions

TabSheet3 Definition Script Notes Multimedia Security Audit Actions

Defining Schemas

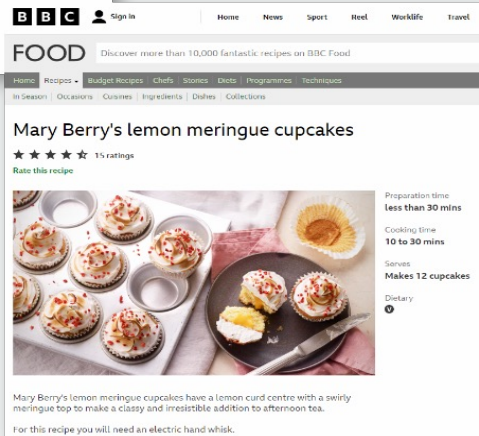
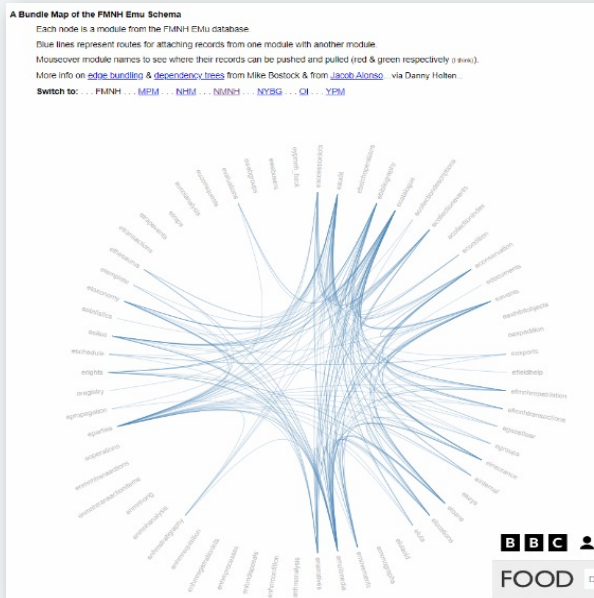
How can GBIF help data providers?

Recipes Needed

- Predefined and registered schemas.

People Needed

- Cultural context



Thank you!

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