

museum für naturkunde



Digitisation and stable URIs at MfN Berlin



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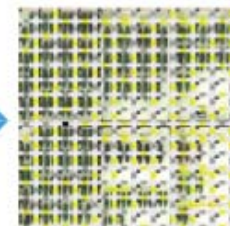
Projects



- GBIF Germany:
 - subnode for Entomology and Paleontology
 - OpenUp! Project
 - provision of multimedia data and metadata to the Europeana data portal (<http://www.europeana.eu>)
 - Digitisation of object-rich collections (EFRE-EoS)
 - using the example of entomological collections
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Example: Entomology

- 15,000,000 specimens
 - >30,000 drawers
- >40,000 type specimens



Different digitisation levels

Level 1 Drawers



Level 2 Species



Level 3 Specimens



Stable URIs



- All units in each digitisation level are identified by URIs
 - Format:
 - http://coll.mfn-berlin.de/u/{object_number}
 - the object number is the existing catalogue number or inventory number
 - the URIs are represented as QR-Codes and in plain text on the labels
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Potential issues



- as we use a storage level („drawers) and at least one virtual digitisation level („species“) the digital representations are potentially out-dated very quickly, because things change
- So, we will have to use versioning
 - e.g. http://coll.mfn-berlin.de/u/{object_number}/version



Insect drawers portal



- development of a portal to aggregate information on insect drawers (at least of German insect collections)
 - other institutions will only have to configure their sub-domains, the landing pages will be provided in common formats
 - search in insect collections across different institutions
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Screenshots

Digital Collection


Navigation

- Home

Sammlungsobjekte am Museum für Naturkunde

Sammlungsnummer: ZMB_Phasm_D

Such-Ergebnis

<input type="checkbox"/>	Kasten-Nr: ZMB_Phasm_D008	enthaltene Arten enthaltene Typen		<input type="button" value="Status"/> <input type="button" value="bearbeiten"/> <input type="button" value="kommentieren"/>
<input type="checkbox"/>	Kasten-Nr: ZMB_Phasm_D009	enthaltene Arten enthaltene Typen		<input type="button" value="Status"/> <input type="button" value="bearbeiten"/> <input type="button" value="kommentieren"/>
<input type="checkbox"/>	Kasten-Nr: ZMB_Phasm_D010	enthaltene Arten enthaltene Typen	no access	<input type="button" value="Status"/> <input type="button" value="bearbeiten"/> <input type="button" value="kommentieren"/>
<input type="checkbox"/>	Kasten-Nr: ZMB_Phasm_D011	enthaltene Arten enthaltene Typen	no access	<input type="button" value="Status"/> <input type="button" value="bearbeiten"/> <input type="button" value="kommentieren"/>
<input type="checkbox"/>	Kasten-Nr: ZMB_Phasm_D012	enthaltene Arten enthaltene Typen		<input type="button" value="Status"/> <input type="button" value="bearbeiten"/> <input type="button" value="kommentieren"/>
<input type="checkbox"/>	Kasten-Nr: ZMB_Phasm_D013	enthaltene Arten enthaltene Typen		<input type="button" value="Status"/> <input type="button" value="bearbeiten"/> <input type="button" value="kommentieren"/>

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<input type="checkbox"/>	Kasten-Nr: ZMB_Phasm_D008	enthaltene Arte enthaltene Type
<input type="checkbox"/>	Kasten-Nr: ZMB_Phasm_D009	enthaltene Arte enthaltene Type
<input type="checkbox"/>	Kasten-Nr: ZMB_Phasm_D010	enthaltene Arte enthaltene Type
<input type="checkbox"/>	Kasten-Nr: ZMB_Phasm_D011	enthaltene Arte enthaltene Type
<input type="checkbox"/>	Kasten-Nr: ZMB_Phasm_D012	enthaltene Arte enthaltene Type
<input type="checkbox"/>	Kasten-Nr: ZMB_Phasm_D013	enthaltene Arte enthaltene Type



Summary



- URIs used for identifying collection objects
 - service for HTML landing pages in development
 - RDF will follow
 - Future: extending to other collection parts
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Thanks for your attention !

