## MINT to EDM

#### Using Carare-MINT to create a mapping to EDM



#### this tutorial

- a hands-on session creating a mapping in MINT
- using examples and images from:
- https://www.carare.eu/pro/training-hub/working-carare-services/

#### example dataset

- https://www.carare.eu/pro/traininghub/working-carare-services/EuPhoto-Extended2
- 5 files in XML
- Describing 5 photographs
- With some additional metadata











#### <tns:ImageMetadata>

<tns:AdministrativeMetadata> ... <tns:DescriptiveMetadata> ... <tns:RetrievalMetadata> ... </tns:ImageMetadata>

#### metadata - structure











#### MINT - log in

- https://pro.carare.eu/
- click Services > Mint
- click CARARE MINT Service

#### My workspace



#### import metadata

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			This is a json upload		
			Submit Reset		

#### exercise – upload file

- upload the file EuPhoto-Extended2.zip
- as a local upload
- without an import schema

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Mapping: yorkmapping  Dataset: test_with_identifier.xml							
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#### dataset statistics

#### • look at the statistics for this dataset

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#### exercise – statistics

#### • notice that tns:Identifier has unique values for all five files

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#### define items

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Before you can make a mapping you need to Define the Item level in your dataset

#### exercise – defining the items



In this exercise you will define:

- the level at which item records begin in your dataset
- A unique identifier for each item
- A unique label for each item (this may be the identifier)
   Once completed click done

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Show log		•
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#### dataset options

Click on the name of the dataset in your workspace and then:

- Show items to see the records in their native form
- In the next exercise you will create a mapping

### create new mapping

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#### exercise – create mapping

- Give the mapping a name it is a good idea to specify the filename, the schema that you are mapping to and the date of the mapping, for example "CARAREphoto\_EDM\_14Sept2020"
- select 'EMD' as the target schema

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# Europeana Data Model core concepts

- the provided cultural heritage object
- all properties from Dublin Core and Dublin Core terms
- properties from to EDM
- the web resource that is the digital representation
- subset of properties from Dublin Core and Dublin Core terms

#### the editor

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#### input schema area

- it shows all elements of the input schema
- the 'plus' elements can be expanded
- the 'l' show some statistics in the right-pane
- elements in green have unique values across the source files

#### mapping area

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- 'plus' on the left-hand side expands the element
- '@' opens the attributes
- 'star' adds a bookmark
- 'plus' on the right-hand side duplicates the element
- '?' opens the help text

#### exercise – mapping the title

Map as follows:

- map tns:Title to dc:title
- tns:Title edm:ProvidedCHO/dc:title
- navigate in the input scheme to the tns:Title
- tns:ImageMetadata/tns:DescriptiveMetadata/tns:Title
- expand the ProvidedCHO and locate dc:title
- drag the tns:Title to the dc:title

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#### navigation pane

 You can also use the navigation pane to find an element in the target schema (that you want to map the source element to)

#### EDM – Provided CHO

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#### exercise – mapping the properties

Map as follows:

tns:Identifier edm:ProvidedCHO/dc:identifier tns:Title edm:ProvidedCHO/dc:title tns:Description edm:ProvidedCHO/dc:description tns:Place edm:ProvidedCHO/dc:spatial tns:Subject edm:ProvidedCHO/dc:subject tns:Related\_Object edm:ProvidedCHO/dc:relation tns:Organization edm:ProvidedCHO/dc:rights tns:Material edm:ProvidedCHO/dc:format tns:Date edm:ProvidedCHO/dcterms:created tns:Photographer edm:ProvidedCHO/dc:creator "IMAGE" edm:ProvidedCHO/edm:type

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#### preview

- to preview the results of your mapping click on the preview button at the top of the mapping editor window.
- the preview options will appear on the right-hand side of the screen.
- use this to select the previews that you would like to see

#### preview & validation

#### □ x ⊅

1 Next

0 Preview Options Expand Item Mapped Item Select a mapping: <?xml version="1.0" encoding="UTF-8"?> XML is valid based on EDM CARAREphoto EDM 14Sept2020 X v <tns:ImageMetadata xmlns:tns="http://www.example.org/ xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance 4 <tns:AdministrativeMetadata> <?xml version="1.0" encoding="UTF-8"?> Select item views for the first and second column: <tns:Identifier>108 0851b</tns:Identifier> cndf.BDE <tns:MetadataURI>http://www.image.ntua.gr/~nsimou xmlns:crm="http://www.cidoc-crm.org/rdfs/cidoc crm -Mapped Item × Item × <tns:PhotoURI>http://www.image.ntua.gr/~nsimou/Eul xmlns:dc="http://purl.org/dc/elements/1.1/" 4 8 <tns:Organisation>IVML</tns:Organisation> xmlns:dcterms="http://purl.org/dc/terms/" Remember selected views </tns:AdministrativeMetadata> xmlns:edm="http://www.europeana.eu/schemas/edm/" 6 <tns:DescriptiveMetadata> xmlns:foaf="http://xmlns.com/foaf/0.1/" <tns:Title>The Parthenon</tns:Title> 8 xmlns:ore="http://www.openarchives.org/ore/terms/" O. <tns:Date>2013-09-14</tns:Date> xmlns:owl="http://www.w3.org/2002/07/owl#" 9 Search everything v <tos:Photographer>Petros Katsaros</tos:Photograph 10 xmlns:rdaGr2="http://rdvocab.info/ElementsGr2/" 14 <tns:Photographic Technique>Digital Camera</tns:Pl xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-i <tns:Location>Athens, Greece</tns:Location> Item xmlns:rdfs="http://www.w3.org/2000/01/rdf-schema#" <tns:Photographic Practice>The photo was taken for xmlns:skos="http://www.w3.org/2004/02/skos/core#" <tns:Material>High Ouality Paper</tns:Material> The Parthenon 14 xmlns:svcs="http://rdfs.org/sioc/services#" 18 <tns:Description>The west facade of the Parthenon xmlns:wgs84 pos="http://www.w3.org/2003/01/geo/wgs8 Parthenon South Peristyle <tns:Copyright>Ancient-Greece.org</tns:Copyright> 16 <edm:ProvidedCH0 rdf:about="108 0851b"> 20 <tns:Dimensions>400x323</tns:Dimensions> <dc:creator>Petros Katsaros</dc:creator> Carvatids <tns:Actor> 18 <dc:description>The west facade of the Parthenon <tns:ActorName>Actor One</tns:ActorName> <dc:format>High Quality Paper</dc:format> Parthenon <tns:ActorRole>Role One</tns:ActorRole> 20 <dc:identifier>108 0851b</dc:identifier> 24 </tns:Actor> <dc:relation>108 0853</dc:relation> Parthenon Fast Pediment <tns:Actor> <dc:relation>108 0868</dc:relation> 26 <tns:ActorName>Actor Two</tns:ActorName> <dc:relation>108\_0874h</dc:relation> <tns:ActorRole>Role Two</tns:ActorRole> 24 <dc:relation>108 0874f</dc:relation> 28 </tns:Actor> <dc:rights>IVML</dc:rights> /tns:DescriptiveMetadata> 26 <dc:subject>Ancient Greece</dc:subject> 30 <tns:RetrievalMetadata> <dc:subject>The Parthenon</dc:subject> <tns:Subject>Ancient Greece</tns:Subject> 28 <dc:title>The Parthenon</dc:title> 32 <tns:Subject>The Parthenon</tns:Subject> 29 <dc:type>IMAGE</dc:type> <tns:Actor>Unknown</tns:Actor> 30 <dcterms:created>2013-09-14</dcterms:created> 34 <tns:Place>Greece</tns:Place> 31 <dcterms:spatial>Greece</dcterms:spatial> <tns:Place>Athens</tns:Place> 32 <dcterms:spatial>Athens</dcterms:spatial> 36 <tns:Related Object>108 0853</tns:Related Object> <edm:type>IMAGE</edm:type> <tns:Related Object>108 0868</tns:Related Object> 34 </edm:ProvidedCHO> 38 <tns:Related Object>108 0874b</tns:Related Object </rdf:RDF> <tns:Related Object>108 0874f</tns:Related Object 40 </tns:RetrievalMetadata> -41 </tns:ImageMetadata>

Show: 151001000

Preview

Expand

#### EDM – WebResource

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#### exercise mapping the WebResource

Map as follows:

tns:Dimensions edm:WebResource/dc:extent tns:Copyright edm:WebResource/dc:rights (Copyright: ) tns:Photographer edm:WebResource/dc:creator tns:PhotographicPractice edm:WebResource/dc:description tns:PhotoUri edm:WebResource/@about

• put the phrase "Copyright: " before the dc:rights element

map the PhotoUri to the 'about' attribute of the WebResource

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#### **EDM** -aggregation

- to link the ProvidedCHO and the WebResources
- aggregatedCHO links to the ProvidedCHO
- isShownBy links to the image WebResource

<edm:aggregatedCHO rdf:resource="the about of the ProvidedCHO"/> <edm:isShownBy rdf:resource="the about of the image WebResource"/>

#### exercise – create the ORE aggregation

- click the '@' of the ProvidedCHO and then
- In rdf:about map tns:Identifier (the identifier of the ProvidedCHO)
- Click the '@' of the ore:Aggregation
- in rdf:resource map tns:Identifier and then the plus button
- Add the suffix #ORE (to differentiate the identifier of the aggregatedCHO from the ProvidedCHO

#### exercise - aggregation

- tns:identifier ore:Aggregation/@about (suffix with "#ORE")
- "CARARE" ore:Aggregation/edm:provider
- tns:Organization ore:Aggregation/edm:dataProvider
- "CC-BY 3.0" ore:Aggregation/edm:rights/@resource
- tns:MetadataUri ore:Aggregation/edm:hasView/@resource
- tns:PhotoUri ore:Aggregation/edm:isShownBy/@resource
- tns:PhotoUri ore:Aggregation/edm:object/@resource

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ins:Description ins:Copyright		unmapped		0
ths:Dimensions	Ø 😭 edm:isShownBy	unmapped		0
	© 😭 @rdf:resource	Ins:PhotoURI		0

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