

Europeana Hierarchical Metadata meeting

workshop on how to display hierarchical objects and their metadata in Europeana

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APEnet project

Europeana office – The Hague – 16th of September 2010



- **[Europeana team]: Question:**

Would you like to contribute to the specifications of how we could display hierarchical objects and their metadata in a more satisfactory fashion in the portal?

- **[Archives community]: Answer:**

Yes please, because – like we showed you before – this is important when giving access to archival content!



I am very glad with the invitation for this workshop on this specific topic. It's the first time that the Europeana team seriously shows interest in this very important issue for the archives community.

The archives community has tried to convince the Europeana team of the importance of proper display of hierarchical objects and hierarchical metadata many times before and therefore I am going to re-use two presentations of renowned scholars of the archives community, to explain this importance to you. And I would like to stress that these presentations were held during EDL and Europeana conferences.

Afterwards I will show you how we, as APENet project, tried to deal with this in the current Europeana portal release, and the difficulties we encountered when doing that.

And then I will share with you our ideas about how we could deal with this in a better way in the future Europeana portal releases.

- ***Archives on the Internet – sharing data across domains***

presentation held by Angelika Menne-Haritz of the Bundesarchiv Berlin during the European Digital Library conference in Frankfurt on the 31st of January 2008

http://www.theeuropeanlibrary.org/portal/organisation/cooperation/archive/edl-project/conference/downloads/EDLconf_Menne-Haritz.pdf

- ***The One and the Many – Standards and European Union Access to Archival Records***

presentation held by Daniel Pitti of the University of Virginia during the conference “Improving access to European cultural heritage” in Lund on the 16th of October 2009

<http://www.culturalheritageconference.se/> > Backchannel

These are the two presentations I am going to re-use. They can still be found on the internet and they are very interesting for the current topic, so I recommend you to read them again.

In the case of Daniel Pitti's presentation: you can even watch it and listen to it, because it's available as a video via the link "Backchannel" on the Swedish cultural heritage conference website.

What is shown?



"The presentations show finding aids. The elements of the finding aids may be called differently, however their function or semantics are the same shared by the different national professional traditions. They may be placed on different levels of the hierarchical structures but they always cover this level completely and show its internal structure. These levels are called: holdings, fonds and sub-fonds, classes, series, and files or items on the lowest level.

These terms had been introduced with the use of ISAD(G). The intermediate levels (subfonds - classes - series) can be repeated horizontally and vertically and can be nested. Images from the fonds are presented inside the finding aids, so that they bring with them their contexts, that give explanations on how to understand them."
(page 17)

I will start with the relevant information of the presentation of Angelika Menne-Haritz.

First she gives an overview of the methods of the existing online presentation of archival content of several European archival institutions and she comes to the conclusion that there is a great methodological consensus.

Most of the archival websites and portals use EAD (Encoded Archival Description) for encoding finding aids in XML and transform these to HTML, which leads to a structured presentation with descriptions on different levels in a hierarchical structure.

She stresses that the way in which archives present their material on the internet, is based on their professional tradition of how to describe archives, according to the international ICA standard ISAD(G), which prescribes a hierarchical way of describing archival material, to preserve it's original provenance and context.

She also explains the reason for using this hierarchical way of describing archives in more detail.

The creation of archival material was and is not a purpose in itself, but the result of administrative activities of institutions, families, persons.

Therefore individual archival objects are often only meaningful in the context of nearby archival objects and within the original structure of the whole archive of which they are part of.

So the preservation and presentation of the original structure and context of archival material is an important task for archivists, because by doing that, they provide us with a sort of time machine, which enables the users to reconstruct and almost 'relive' the past, as accurately as possible.

Angelika's message to the European Digital Library trying to get the archives on board was very clear: use a pragmatic approach and accept the standards the archives use for structuring their data as well as for presenting them.

Archiefinventaris

Archiefbeschrijving

Archiefbestanddelen

Scans (207)

1.01.08

N.M. Japikse

Nationaal Archief, Den Haag

(c) 1969

This finding aid is written in Dutch.

 pdf  ead / xml

commentaar


▸ **Beschrijving van het archief**

▸ **Aanwijzingen voor de gebruiker**


▸ **Verwant materiaal**

Beschrijving van de series en archiefbestanddelen


> **VI. Vervolg Loketkast - Secrete kast**

 detail

▶ **12. WEST-EUROPALANDEN AAN DE ATLANTISCHE OCEAAN**

 detail

▶ **1 Engeland en Schotland**

 detail


Vershillende stukken betreffende Engeland en Schotland werden opgenomen onder andere respecten van de Loketkas en de Secrete kas. In de hierna volgende beschrijving zal steeds naar deze respecten worden verwezen. De verballen betreffende Engeland en Schotland bevinden zich in het hoofdarchief inv. nrs. 8298-8856.

▶ **2 Frankrijk**

 detail

Vershillende stukken betreffende Frankrijk werden opgenomen onder andere respecten van de Loketkas en de Secrete kas. In de hierna volgende beschrijving zal steeds met verkorte titels naar deze respecten worden verwezen. De verballen betreffende Frankrijk bevinden zich in het hoofdarchief inv. nrs. 8298-8856.

▶ **3 Spanje**


 detail

Vershillende stukken betreffende Spanje werden opgenomen onder andere respecten van de Loketkas en de Secrete kas. In de hierna volgende beschrijving zal steeds naar deze respecten worden verwezen. De verballen betreffende Spanje bevinden zich in het hoofdarchief inv. nrs. 8298-8856.

▶ **12588.33 Akten van neutraliteit betreffende de steden Kleef, Goch en Kranenburg, 1625-1626.**

 detail

▶ **12588.9 Akte van volmacht te Madrid uitgevaardigd door de koning van Spanje voor de aartshertogen of hun plaatsvervangers om met de Staten-Generaal over een bestand te onderhandelen. 1608 januari 10 1 stuk**

 detail

I can add to this that the way in which archival institutions present their holdings on the internet hasn't changed. In Angelika's presentation you will find screenshots of web presentations of archival institutions of five different European countries.

Here I present a few mock-up screenshots of the new website of the Dutch National Archives, which will be launched soon, and which is to be considered as state-of-the-art, build using the latest technologies, also providing some web 2.0 functionalities.

Archieven

Home » Archieven » Archiefblok nr. 1.01.08 » Rubriek VI. » Rubriek 12. » Rubriek 3 » Inventaris nr. 12588.20

Archieven

Fotocollectie

Kaartencollectie

Bibliotheek

Indexen

Archiefblok nr. 1.01.08 » Rubriek VI. » Rubriek 12. » Rubriek 3 » Inventaris nr. 12588.20

Naam archiefblok:

Staten-Generaal. 1550-1796

VI., Vervolg Loketkast - Secrete kast

12., WEST-EUROPALANDEN AAN DE ATLANTISCHE OCEAAN

3, Spanje

12588.20, Akte van ratificatie uitgevaardigd door de aartshertogen van het bestandstraktaat op 9 april 1609 gesloten te Antwerpen tussen hen en de Staten-Generaal. 1609 april 10 1 stuk

Archiefbeschrijving

Scans (18)

Aantal:

20 

Dit inventarisnummer bevat 18 scans.



And as you can see we still will be giving access to digital archival objects within the finding aids.

Now let's take a look at what Daniel Pitti said about this topic. His presentation is a more philosophical one, contemplating on the challenges the different domain communities and Europeana face in providing union access to European cultural heritage.

He states that the descriptions of cultural heritage objects, or artifacts as he likes to call them, are essential for Europeana, but that the different domain communities have developed different professional practices for making descriptions, based on the nature of the objects they describe.

Looking at those different 'methods of remembering', as he calls the responsibility of the cultural heritage communities to document the objects that they preserve, he concludes that generally speaking the library and museum community describe their objects on a 'one on one' basis (one description for one object), but that the archives community uses a method of 'one on many'.

This is based on the fundamental principle of archival description, to keep archival objects that share a common provenance together, in order to preserve their original context. This entails descriptions of 'one to many' relations within hierarchical structures.

Union Access: Artifact Description

- Many intellectual and technological challenges
- Many political challenges
- Methods of reducing the many descriptions to one reasonably favor a model based on one description-one object
- Archivist find this discomfoting, as it violates a fundamental principle
- Archivists also share the quest, and so are open to finding a way

“My suggestion in terms of the way forward: as the archival community negotiates with the library and museum community and with Europeana [...] in the near term the archivists will have to compromise a bit about their data, perhaps not being completely happy, but wanting to be represented at the table; in the long term they will want to continue to work at finding methods with which they are comfortable”

Since it's Europeana's objective to create a cross domain union access, it had to reduce the different description methods to a common one, and since it is also focused on putting digital objects in the centre of its display, this became the 'one on one' model. Needless to say that the archivists find this discomfoting, as Daniel puts it mildly, as it violates a fundamental principle.

However, he reassures Europeana that the archivists share the same quest for union access, so he is confident that, although they will have to compromise in the short term, archivists are willing to cooperate in finding methods they can be comfortable with in the long term.

That is exactly what we have been doing within the APEnet project: compromising in the short term when delivering archival content to the Europeana prototype and Rhine release, but at the same time trying to find ways to get a better display in the future Europeana releases and hopefully already in the Danube release.

When we started out to explore the possibilities for interoperability between APEnet, the future Archives Portal Europe, which will use the professional standards and methods for display of the archives community, and Europeana, we were faced with a challenge:

We had to take into account the bottom-up approach of Europeana and the top-down approach of the Archives Portal Europe, when it comes to displaying digital objects and their descriptive information.

We had to deliver only information about digital archival objects to Europeana, and we had to deliver this, together with the links, in the Dublin Core based ESE metadata format.

So we had to find a way to extract metadata information on digital archival objects out of the rich, hierarchically-structured EAD files, and flatten this into the one-dimensional ESE, but at the same time avoid losing too much contextual information.

Part of this challenge was to ensure that the digital archival objects and their descriptive information were displayed in Europeana in such a manner that the archival hierarchical-contextual information was retained to the maximum possible extent.

So during his Europeana days Go Sugimoto and I sat down and wrote a technical paper on how we could do this.

We came up with the idea of a mapping and converting mechanism, which would browse through EAD files looking for links to digital objects, and once they were found, combining all higher level context information related to these digital objects, and store this in an ESE record, together with the lowest level digital object information, including the link to the object itself.

We stored the higher levels of context information in the ESE element <dcterms:isPartOf/> and we used a separate element for each level.

When we tried to put this in practice by converting and ingesting EAD finding aids from the Dutch National Archives into the Europeana prototype, we found out that the ordering principle of the Europeana display completely messed up the sequence of the context information elements, stored in separate ESE <dcterms:isPartOf/> elements.

The Europeana display re-ordered them all alphabetically, thus discarding the original sequence as stored in the ESE XML records.

Related content:

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ZUID-HOLLAND

ZUID-HOLLAND

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Wandkaart van Rijnland,

Title: Wandkaart van Rijnland,

Date: 1687

Creator: Jan Jansz. Dou; Johannes Dou Jr; Steven van Broeckhuysen; Zeger Wolfsen

Description: Dit is de bijgewerkte druk van de kaart uit 1687 die oorspronkelijk in 1647 werd uitgegeven. Bij het jaartal 1687 (zie deelblad nr 24) zijn als dijkgraaf en hoogheemraden van Rijnland genoteerd: Jacob Baron van Wassenaer, Duvenvoirde - Jan Baron van Wassenaer, Warmont - Gerard Bicker van Zwieten - Adriaen van Bosvelt - Gaspar Fagel - Jacob Baron van Wassenaer van Obdam - Michiel ten Hove - Jacob van der Maes. Hun wapens komen boven in de sierrand voor naast nog andere familiewapens die reeds op de eerste druk stonden. Deze druk van de kaart is vooral befaamd vanwege de sierrand van de hand van de topgraveur Romein de Hooghe. De inkleuring van dit exemplaar is met grote zorg gedaan, waarbij ook goudverf is gebruikt. Ingebonden bij inventarisnummer 76 en 106, in een fraaie leren band (formaat 47 x 33 cm), samen met de kaarten van de Landen van Woerden (inv.nr. 76) en de Vijfheerenlanden (inv.nr. 106). T Hoogheymraedschap van Rynland / [in kaart gebracht door de landmeters Jan Jansz. Dou en Steven van Broeckhuysen, tussen 1642 - 1646 en gegraveerd door Cornelis Dankerts, 1647] / '1687 is dese caert vernieut, geamplieert en gecorrigeerd' [door de landmeter Johannes Dou Jr, en Zeger Wolfsen; de nieuwe sierrand met wapens enz. Gegraveerd door Romein de Hooghe, 1687/1688]

Language: Duits; Frans; Latijn; Nederlands

Format: koperdiepdruk, ingekleurd; Schaal [ca 1:30.000], 1600 Rijnlandse roeden = 21,5 cm; Totale afmeting na montage 216 x 230 cm (afzonderlijke kaartbladen 46 x 57 cm)

Source: Nationaal Archief, Den Haag

Provider: Nationaal Archief; netherlands

[Less](#)

Identifier: 4.ZHPB4; 4683; 50; C1a; II

Subject: Landen van Woerden; Rijnland; RIJNLAND; Vijfheerenlanden

Relation: 1 Hart (1985)
Donkersloot-de Vrij (1981) p. 141, nr 715
Hameleers (1984), p. 224 - 227
Inventaris van de verzameling Ernsting afkomstig uit de provincie Zuid-Holland
Prov. Bestuur ZH / Kaarten Ernsting
RIJNLANDen aangrenzende waterschappen
WATERSCHAPPEN, POLDERS, DROOGMAKERIJEN, EILANDEN EN WAARDEN
ZHPB4 Provinciaal Bestuur Zuid-Holland: Kaartencollectie Ernsting, voor 1850

bibliographical information →

**hierarchical context information
(but in the wrong order)** →

Here you can see the Europeana display of our first EAD to ESE mapping.

↑ [Return to results](#)



Wandkaart van Rijnland

Title: Wandkaart van Rijnland

Date: 1687

Creator: Jan Jansz. Dou; J

Description: Dit is de bijgevoegde kaart uitgegeven. Bij het jaartal 1687 genoteerd: Jacob Baron van Gerard Bicker van Zwieten - Obdam - Michiel ten Hove - naast nog andere familiewapens vooral befaamd vanwege de inkleuring van dit exemplaar. Ingebonden bij inventarisnummer met de kaarten van de Landt Hoogheymraedschap van Steven van Broeckhuysen, t is dese caert vernieut, gear Wolfsen; de nieuwe sierrand

Language: Duits; Frans; L

Format: koperdiepdruk, ingefmeting na montage 216 x

Source: Nationaal Archief, D

Provider: Nationaal Archief

[Less](#)

Identifier: 4.ZHPB4; 4683;

Subject: Landen van Woerden

Relation: 't Hart (1985) Donkersloot-de Vrij (1981) Hameleers (1984), p. 224 - Inventaris van de verzameling Prov. Bestuur ZH / Kaarten RIJNLANDen aangrenzende WATERSCHAPPEN, POLDERS ZHPB4 Provinciaal Bestuur

● Toegangen

- ▶ [Beschrijving van het archief](#)
- ▶ [Beschrijving van de series en archiefbestanddelen](#)
- ▶ [I NEDERLAND, BELGIE EN LUXEMBURG](#)
- ▶ [II WATERSCHAPPEN, POLDERS, DROOGMAKERIJEN, EILANDEN EN WAARDEN](#)
- ▶ [RIJNLAND en aangrenzende waterschappen](#)
- ▶ [LANDEN VAN WOERDEN](#)
- ▶ [DELFLAND](#)
- ▶ [SCHIELAND](#)
- ▶ [ALBLASSERWAARD - VIJFHEERENLANDEN](#)
- ▶ [KRIMPENERWAARD](#)
- ▶ [LOPIKERWAARD](#)
- ▶ [ZUID- HOLLANDSE EILANDEN EN WAARDEN](#)
- ▶ [III WATERLOPEN en WATERKERINGEN](#)
- ▶ [IV STEDEN](#)

Relation info:

50

Wandkaart van Rijnland 1687

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- Jan Baron van Wass

Bosvelt - Gaspar Fag

- Jacob van der Maes

andere familiewapens

is vooral befaamd va

Hooghe. De inkleuring

goudverf is gebruikt.

Literatuur: Donkerslo

227; 't Hart (1985).

Description info:

51

Wandkaart van Rijnland 1746

koperdiepdruk

Afmetingen na mont

Schaal [ca 1:30.000]

Ingebonden bij invent

'T Hooge Heemraeds

Jansz. Dou en Steven

1647; bijgewerkt in 1

'vernieuwd, geamplie David Coster] - [Isaa

bibliographical information

hierarchical context information (but in the wrong order)

This is the original HTML representation of the object in the finding aid on the website of the Dutch National Archives, as you can see there is a difference in the sequence of the text under “Description” as well as under “Relation” compared to the original representation.

Just look at the first characters of the text parts under “Description” and of the lines under “Relation” and compare that with the ones of the original.

[Return to results](#)

Wandkaart van Rijnland

Title: Wandkaart van Rijnland

Date: 1687

Creator: Jan Jansz. Dou; J

Description: Dit is de bijgevoegde uitgaande uitgegeven. Bij het jaartal 1687 genoteerd: Jacob Baron van Gerard Bicker van Zwieten - Obdam - Michiel ten Hove - naast nog andere familiewapens vooral befaamd vanwege de inkleuring van dit exemplaar. Ingebonden bij inventarisnummer met de kaarten van de Landen van T Hoogheymraedschap van Steven van Broeckhuysen, tusschen is dese caert vernieuwt, geant door Wolfesen; de nieuwe sierran

Language: Duits; Frans; L

Format: koperdiepdruk, ingekleurd
afmeting na montage 216 x 230 cm

Source: Nationaal Archief, I

Provider: Nationaal Archief

[Less](#)

Identifier: 4.ZHPB4; 4683;

Subject: Landen van Woerden

Relation: t Hart (1985) p. 141, nr 715
Donkersloot-de Vrij (1981) p. 224 - 227
Hameleers (1984), p. 224 - 227
Inventaris van de verzameling Provincie Bestuur ZH / Kaarten I
RIJNLANDen aangrenzend
WATERSCHAPPEN, POLDERS
ZHPB4 Provinciaal Bestuur

Catalogus van de kaarten vóór 1850 berustend in het archief ter Provincie
Ernsting, 1960. </europeana:unstored>

<dc:identifier>II</dc:identifier>

<dc:terms:isPartOf>WATERSCHAPPEN, POLDERS, DROOGMAKERIJEN, EILANDEN</dc:terms:isPartOf>

<dc:terms:isPartOf>RIJNLANDen aangrenzende waterschappen</dc:terms:isPartOf>

<dc:terms:spatial>RIJNLAND</dc:terms:spatial>

<dc:identifier>50</dc:identifier>

<dc:identifier>C1a</dc:identifier>

<dc:title>Wandkaart van Rijnland,</dc:title>

<dc:terms:spatial>Rijnland</dc:terms:spatial>

<dc:date>1687</dc:date>

<europeana:year>1687</europeana:year>

<dc:format>koperdiepdruk, ingekleurd</dc:format>

<dc:terms:extent>Totale afmeting na montage 216 x 230 cm (afzonderlijk 216 x 230 cm)</dc:terms:extent>

<dc:format>Schaal [ca 1:30.000], 1600 Rijnlandse roeden = 21,5 cm</dc:format>

<europeana:isShownBy>http://beeldbank.nationaalarchief.nl/na:col1:dat5</europeana:isShownBy>

<europeana:object>http://beeldbank.nationaalarchief.nl/na:col1:dat5</europeana:object>

<europeana:uri>http://www.europeana.eu/resolve/record/92101/II</europeana:uri>

<europeana:isShownAt>http://beeldbank.nationaalarchief.nl/na:col1:dat5</europeana:isShownAt>

<dc:description>Ingebonden bij inventarisnummer 76 en 106, in een folder met de kaarten van de Landen van Woerden (inv.nr. 76) en de Vijfheerenlanden</dc:description>

<dc:terms:spatial>Landen van Woerden</dc:terms:spatial>

<dc:terms:spatial>Vijfheerenlanden</dc:terms:spatial>

<dc:description>T Hoogheymraedschap van Rynland / [in kaart gebracht door Steven van Broeckhuysen, tusschen 1642 - 1646 en gegraveerd door Cornelis Romein de Hooghe, 1687/1688]</dc:description>

<dc:contributor>Jan Jansz. Dou</dc:contributor>

<dc:contributor>Steven van Broeckhuysen</dc:contributor>

<dc:contributor>Johannes Dou Jr</dc:contributor>

<dc:contributor>Zeger Wolfesen</dc:contributor>

<dc:contributor>Zeger Wolfesen</dc:contributor>

<dc:contributor>Zeger Wolfesen</dc:contributor>

<dc:contributor>Zeger Wolfesen</dc:contributor>

<dc:contributor>Zeger Wolfesen</dc:contributor>

<dc:description>Dit is de bijgewerkte druk van de kaart uit 1687 die ook in de Provincie Bestuur ZH / Kaarten I (zie deelblad nr 24) zijn als dijkgraaf en hoogheemraden van Rijnland</dc:description>

<dc:description>Dit is de bijgewerkte druk van de kaart uit 1687 die ook in de Provincie Bestuur ZH / Kaarten I (zie deelblad nr 24) zijn als dijkgraaf en hoogheemraden van Rijnland</dc:description>

<dc:description>Dit is de bijgewerkte druk van de kaart uit 1687 die ook in de Provincie Bestuur ZH / Kaarten I (zie deelblad nr 24) zijn als dijkgraaf en hoogheemraden van Rijnland</dc:description>

<dc:description>Dit is de bijgewerkte druk van de kaart uit 1687 die ook in de Provincie Bestuur ZH / Kaarten I (zie deelblad nr 24) zijn als dijkgraaf en hoogheemraden van Rijnland</dc:description>

<dc:description>Dit is de bijgewerkte druk van de kaart uit 1687 die ook in de Provincie Bestuur ZH / Kaarten I (zie deelblad nr 24) zijn als dijkgraaf en hoogheemraden van Rijnland</dc:description>

<dc:description>Dit is de bijgewerkte druk van de kaart uit 1687 die ook in de Provincie Bestuur ZH / Kaarten I (zie deelblad nr 24) zijn als dijkgraaf en hoogheemraden van Rijnland</dc:description>

<dc:description>Dit is de bijgewerkte druk van de kaart uit 1687 die ook in de Provincie Bestuur ZH / Kaarten I (zie deelblad nr 24) zijn als dijkgraaf en hoogheemraden van Rijnland</dc:description>

<dc:relation>Donkersloot-de Vrij (1981) p. 141, nr 715</dc:relation>

<dc:relation>Hameleers (1984), p. 224 - 227</dc:relation>

<dc:relation>t Hart (1985)</dc:relation>

bibliographical information

**hierarchical context information
(but in the wrong order)**

This is the Europeana ESE source record, as you can see it contains the original sequence of these elements as mapped from EAD.

APEnet – Europeana interoperability: display problem 1

Problem:

- *the Europeana prototype (and Rhine release) display reorders the content of separate <dcterms:isPartOf/> elements alphabetically, discarding the original sequence as stored in the ESE XML records*

Workaround:

- *combine all higher level context information related to one digital object in just one ESE <dcterms:isPartOf/> element, but in the right order, separated by a special character (~)*

Since there was no way to influence the alphabetical ordering principle of the Europeana prototype display, and this would also still be in place in the Europeana Rhine release, we had to come up with a workaround.

So we decided to combine all higher level context information related to one digital object, in just one ESE `<dcterms:isPartOf/>` element, but in the right order, separated by a special character (~).

This shows the hierarchical context information for this object, as it was displayed, as it should have been displayed and as it was displayed after implementing the mapping workaround.

We implemented that workaround in the first version of the EAD to ESE mapping tool, which we had started to develop, and using that tool, we delivered as much archival content as possible to Europeana, trying to help to meet the 10 million digital objects target before the end of July.

But we were still not satisfied with the result in the Europeana display: the context information stored in the ESE element `<dcterms:isPartOf/>` remained hidden to the user until he/she clicked on the link “More”, and in the left part of the object display screen, under “Related content”, appeared items, which most of the time had no clear relation with the object displayed in the main part of the screen.

Search

[Advanced search](#)

Matches for: **

Item details

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De Zeventien Verenigde Nederlanden ,

Title: De Zeventien Verenigde Nederlanden ,

Date: 1606

Creator: Johannes Baptista Vrients; Theodoor Galle

Description: het noorden rechts Opgedragen aan F. Sweerts te Antwerpen. Titel en opdracht gevat in decoratieve cartouche met de wapens van de Zeventien Verenigde Nederlanden.

Language: nl

Format: Afmetingen 42 (41) x 57 (56) cm; koperdiepdruk; Schaal [circa 1:700.000], 7 kleine mijlen = 4,3cm

Source: Nationaal Archief, Den Haag

Provider: Nationaal Archief

[Less](#)

Identifier: 4.ZHPB4-2

Relation: Inventaris van de verzameling Ernsting afkomstig uit de provincie Zuid-Holland ~ ZHPB4 Provinciaal Bestuur Zuid-Holland: Kaartencollectie Ernsting, voor 1850 Prov. Bestuur ZH / Kaarten Ernsting ~ series: NEDERLAND , BELGIE EN LUXEMBURG ~ subseries: NOORDELUKE en ZUIDELUKE NEDERLANDEN

[View in original context](#)

Opens in a new window

Related content:

Items



De Zeventien Verenigde Nederlanden ,



Rotterdam ,



De Maas bij Aalst en Nederhemert ,

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Especially this last issue was annoying, because when we let our mapping tool crawl through all our EAD finding aids looking for links to digital objects and turning the information found, into ESE records, all archival objects with more than one image or text attached to them (more digitised pages), ended up in the Europeana portal with more than one ESE record.

But since the Europeana display is build around a 'one on one' model it can't deal with this, and this means that the user is confronted with separate pages of one archival object as separate search results.



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think culture

Refine your search:

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By provider [+](#)

By language [+](#)

By type [+](#)

Actions:

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No image? Click through the colour block to see the item. We are still loading...

[Refine Search](#) [Advanced search](#)

Matches for: 2.10.36.21

All

Texts (29,181)

Images (0)

Videos (0)

Sounds (0)



Results 1 - 12 of 29,181

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Pagina 10

Nationaal Archief



Pagina 2

Nationaal Archief



Pagina 1

Nationaal Archief



Pagina 2

Nationaal Archief



Pagina 3

Nationaal Archief



Pagina 4

Nationaal Archief



Pagina 5

Nationaal Archief



Pagina 6

Nationaal Archief



Pagina 7

Nationaal Archief



Pagina 8

Nationaal Archief



Pagina 9

Nationaal Archief



Pagina 11

Nationaal Archief



Results 1 - 12 of 29,181

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And this becomes more annoying in case the lowest level object information in the EAD files, the digital unit, is meaningless, f.i. in case it only mentions the page number, as you can see here (“Pagina” is Dutch for “page”).

beta

europeana
think culture

Related content:

Items

-  Wandkaart van de Zeventien Verenigde Nederlanden ,...
-  Wandkaart van de Zeventien Verenigde Nederlanden ,...
-  Wandkaart van de Zeventien Verenigde Nederlanden ,...

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Search

[Advanced search](#)

Matches for: **

Item details

[↑ Return to results](#) **De Zeventien Verenigde Nederlanden ,****Title:** De Zeventien Verenigde Nederlanden ,

Context information: Inventaris van de verzameling Ernsting afkomstig uit de provincie Zuid-Holland ~ ZHPB4 Provinciaal Bestuur Zuid-Holland: Kaartencollectie Ernsting, voor 1850 Prov. Bestuur ZH / Kaarten Ernsting >> NEDERLAND , BELGIE EN LUXEMBURG >> NOORDELIJKE en ZUIDELIJKE NEDERLANDEN

Date: 1606**Creator:** Johannes Baptista Vrients; Theodoor Galle**Description:** het noorden rechts Opedragen aan F. Sweerts te Antwerpen. Titel en opdracht gevat in decoratieve cartouche met de wapens van de Zeventien Verenigde Nederlanden.**Language:** Dutch**Format:** Afmetingen 42 (41) x 57 (56) cm; koperdiepdruk; Schaal [circa 1:700.000], 7 kleine mijlen = 4,3cm**Source:** Nationaal Archief, Den Haag**Provider:** Nationaal Archief[More](#)

result of mapping hierarchical information towards
<dcterms:alternative/> instead of <dcterms:isPartOf/>

[View in original context](#)

Opens in a new window

So we decided to come up with a workaround once more: we changed the business rules of the mapping tool and stored the combined higher level context information in the ESE element `<dcterms:alternative/>` instead of `<dcterms:isPartOf/>` and this had two positive effects:

1. the context information was no longer hidden under the link “More”, but appeared in the display right under the title information of the digital object. And that’s why we decided to add the prefix “Context information:” to the content of the `<dcterms:alternative/>` element, to make a clear distinction.
2. It influenced the content of the “Related items” section of the display, so now only directly related digital objects were displayed there and in the case of more than one image or text per archival object, the user could easily get an overview of all the separate pages of that archival object, by clicking on the link: “See all related items”.

[Advanced search](#)

You are viewing related items

All

Texts (135)

Images (8,273)

Videos (0)

Sounds (0)



Results 1 - 12 of 8,408

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[Wandkaart van de Zeventien Verenigde Nederlanden . >> Blad 7](#)

Nationaal Archief



[Wandkaart van de Zeventien Verenigde Nederlanden . >> Blad 8](#)

Nationaal Archief



[Wandkaart van de Zeventien Verenigde Nederlanden . >> Blad 1](#)

Nationaal Archief



[Wandkaart van de Zeventien Verenigde Nederlanden . >> Blad 4](#)

Nationaal Archief



[Wandkaart van de Zeventien Verenigde Nederlanden . >> Blad 5](#)

Nationaal Archief



[Wandkaart van de Zeventien Verenigde Nederlanden . >> Blad 6](#)

Nationaal Archief



[Wandkaart van de Zeventien Verenigde Nederlanden . >> Blad 9](#)

Nationaal Archief



[Wandkaart van de Zeventien Verenigde Nederlanden . >> Blad 2](#)

Nationaal Archief

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We also implemented an extra business rule in our mapping tool, which combines the lowest level EAD information with the first of the higher hierarchical level of related information, in case of an archival object with more than one digital unit.

In this way we can avoid meaningless <dc:title/> information in Europeana to a certain extent (you can see that in this slide; “Blad” is also Dutch for “page”, but in this case it means a part of one large map, so the map (on object) was digitized in parts).

Unfortunately we have now reached the limits of manipulating the ESE metadata model and the current Europeana display, so we can't solve the problem of users having to browse through lots of search result screens with lots of pages of the same archival object.

So now it's time to stop compromising and to start optimising.

There is an easy solution for the last mentioned problem of hierarchical cultural heritage objects: Europeana can decide not to accept more than one image, text, video or sound per cultural heritage object. As a matter of fact that seems to be the current policy, possibly brought upon Europeana by content providers that are afraid that they might lose traffic to their own websites. That's why the moment in most cases the user has to go to these content providers websites to see more images, texts, videos, sounds per cultural heritage object (as well as extra context information).

But in my opinion this is not user friendly and will also block extra services: for instance: how will Europeana expect to facilitate its users to store second, third, fourth, etc. pages or parts of a cultural heritage object as a search result in "My Europeana", when it's only shown on the content providers website? And what about the goal of Europeana to give access to all European cultural heritage objects?

I would suggest: in case there are content providers (like the Dutch National Archives) that are happy to provide all their content to Europeana, then Europeana should facilitate this and let the content providers themselves decide whether they want to ingest all their digital units of an object or only just one.

In my opinion there are ways to do this, f.i. using functionalities of photo gallery software (it's already being used by Europeana on the homepage at the moment).

This is certainly possible with the new data model EDM, because this data model will know how to group digital units attached to one object, but possibly also with just a slight extension of ESE.



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[Communities](#)

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Search

[Advanced search](#)

Matches for: 4.ZHPB4

All

Texts (0)

Images (112)

Videos (0)

Sounds (0)



Results 1 - 12 of 112

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Wandkaart van de Zeven
Verenigde Nederla...
Nationaal Archief



De Zeventien Verenigde
Nederlanden ,
Willem Jansz. Blaeu
Nationaal Archief



Wandkaart van de Zeven
Verenigde Nederla...
Nationaal Archief



Wandkaart van de Zeven
Verenigde Nederla...
Nationaal Archief



Wandkaart van de Zeven
Verenigde Nederla...
Nationaal Archief



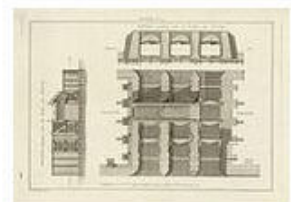
Protestants Nederland ,
G.J.W. Leers
Nationaal Archief



Noord- en Zuid-Holland en
omgeving,
Abraham Ortelius
Nationaal Archief



Zuid-Holland met
administratieve indelin...
C. van Baarsel
Nationaal Archief



Refine your search:

By provider



By type



Actions:

Save this search



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No image? Click through the colour
block to see the item. We are still
loading...

this "+" indicates that
this object has more
images

This is my suggestion for indicating that an object has more digital units.

[Advanced search](#)

Matches for: 4.ZHPB4

[Item details](#)[Return to results](#)

→



Wandkaart van de Zeventien Verenigde Nederlanden , >> Blad 1

Title: Wandkaart van de Zeventien Verenigde Nederlanden , >> Blad 1

Context information: Inventaris van de verzameling Ernsting afkomstig uit de provincie Zuid-Holland ~ ZHPB4 Provinciaal Bestuur Zuid-Holland: Kaartencollectie Ernsting, voor 1850 Prov. Bestuur ZH / Kaarten Ernsting >> NEDERLAND , BELGIE EN LUXEMBURG >> NOORDELUKE en ZUIDELUKE NEDERLANDEN

Date: 1682-1691

Description: het noorden rechts De kaart is opgedragen aan Prins Willem III; een portret van hem komt voor op blad 9 (rechtsonder). De titel met uitbundige decoratie staat op blad 3 (rechtsboven). Zuid-Holland komt voor op blad 5.

Language: Dutch

Format: Afmetingen elk blad 47 x 58 cm, totale afmeting na montage circa 130 x 165 cm; koperdiepdruk; Schaal [circa 1:230.000]

Source: Nationaal Archief, Den Haag

Provider: Nationaal Archief

[More](#)

[View in original context](#)

Opens in a new window

Related content:

Items

 Wandkaart van de Zeven Verenigde Nederlanden , >> ...

 Wandkaart van de Zeven Verenigde Nederlanden , >> ...

 Wandkaart van de Zeven Verenigde Nederlanden , >> ...

[See all related items](#)

Actions:

Add a tag →

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↑ next screen, giving access to nine images attached to this object;

↗ metadata info changes when clicking on one of the nine thumbnails

This is how Europeana could give access to more parts of an object in the next screen.

[Advanced search](#)

Matches for: 4.ZHPB4-14A

Item details

[Return to results](#)

1 2 3 Next



1 2 3 Next

Nederland (zuid-Holland en omgeving), >> Blad 1

Title: Nederland (zuid-Holland en omgeving), >> Blad 1

Context information: Inventaris van de verzameling Ernsting afkomstig uit de provincie Zuid-Holland ~ ZHPB4 Provinciaal Bestuur Zuid-Holland: Kaartencollectie Ernsting, voor 1850 Prov. Bestuur ZH / Kaarten Ernsting >> NEDERLAND , BELGIE EN LUXEMBURG >> NOORDELRIJKE en ZUIDELIJKE NEDERLANDEN

Date: 1868-1933

Description: Het betreft de volgende (bijgewerkte) kaartbladen Met de productie en uitgave van deze topografische kaart op schaal 1:25.000 werd begonnen eind jaren zestig van de vorige eeuw. De volledige editie bestaat uit 776 kaartbladen. Over deze kaarten - in vakkringen Bonnebladen genoemd, verwijzend naar de toegepaste kaartprojectie van Bonne - wordt met veel lof gesproken, vooral vanwege de bijzonder mooie kleuren. Ze stammen nog uit de periode van voor de luchtfotokartering. Zie archief Topografische Dienst, 4.TOPO Deze hybride, onvolledige set kaarten is in gebruik geweest bij de 'Afdeling Polderzaken' van de provincie. In een map van 35 x 48 cm (niet in catalogus Ernsting)

Language: Dutch

Format: Afmetingen elk blad 33 (25) x 46 (40) cm; Schaal 1:25.000; steendruk in kleur

Source: Nationaal Archief, Den Haag

Provider: Nationaal Archief

[More](#)

Related content:

Items



[See all related items](#)

Actions:

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same principle, but now showing more pages with thumbnails (each with 15 thumbnails), giving access to a large number of images per object

[View in original context](#)

Opens in a new window

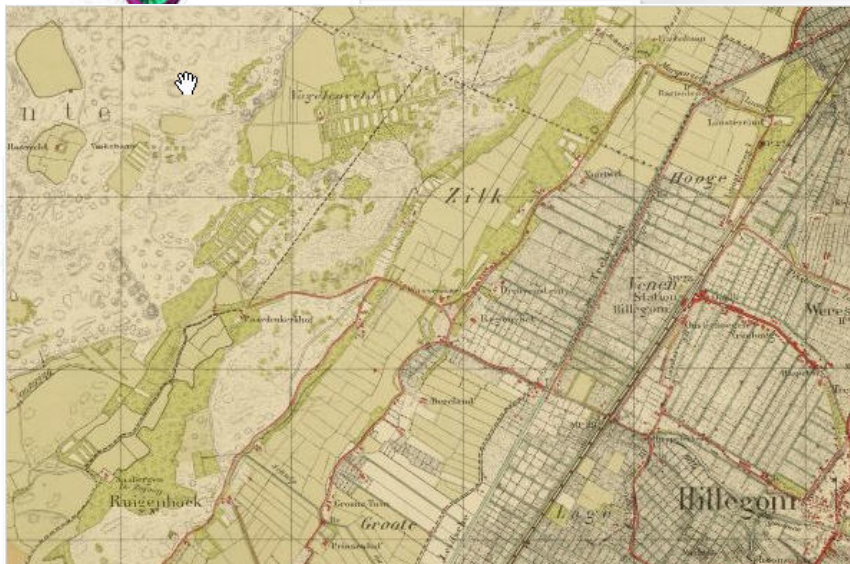
In case the object contains a lot of parts, the same screen could be divided into subpages giving access to all the parts.



Search

[Advanced search](#)

Matches for: 4.ZHPB4-14A



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Actions:

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1 2 3 Next



same principle, but now showing more pages with thumbnails (each with 15 thumbnails), giving access to a large number of images per object



[Nederland \(zuid-Holland en omgeving\), >> Blad 1](#)

Title: Nederland (zuid-Holland en omgeving), >> Blad 1

Context information: Inventaris van de verzameling Ernsting afkomstig uit de provincie Zuid-Holland ~ ZHPB4 Provinciaal Bestuur Zuid-Holland: Kaartencollectie Ernsting, voor 1850 Prov. Bestuur ZH / Kaarten Ernsting >> NEDERLAND , BELGIE EN LUXEMBURG >> NOORDELUKE en ZUIDELUKE NEDERLANDEN

Date: 1868-1933

Description: Het betreft de volgende (bijgewerkte) kaartbladen Met de productie en uitgave van deze topografische kaart op schaal 1:25.000 werd begonnen eind jaren zestig van de vorige eeuw. De volledige editie bestaat uit 776 kaartbladen. Over deze kaarten - in vakkringen Bonnebladen genoemd, verwijzend naar de toegepaste kaartprojectie van Bonne - wordt met veel lof gesproken, vooral vanwege de bijzonder mooie kleuren. Ze stammen nog uit de periode van voor de luchtofokartering. Zie archief Topografische Dienst, 4.TOPO Deze hybride, onvolledige set kaarten is in gebruik geweest bij de 'Afdeling Polderzaken' van de provincie. In een map van 35 x 48 cm (niet in catalogus Ernsting)

Language: Dutch

Format: Afmetingen elk blad 33 (25) x 46 (40) cm; Schaal 1:25.000; steendruk in kleur

Source: Nationaal Archief, Den Haag

Provider: Nationaal Archief

[More](#)

[View in original context](#)

Opens in a new window

It would be nice to facilitate also a zoom-in functionality on this page to enable the user to “scan” easily whether that part of the object is interesting or not.

APEnet – Europeana interoperability: EDM promise

“Each of the different heritage sectors represented in Europeana uses different data standards, and ESE reduced these to the lowest common denominator. EDM reverses this reductive approach and is an attempt to transcend the respective information perspectives of the sectors that are represented in Europeana – the museums, archives, audiovisual collections and libraries.

EDM is not built on any particular community standard but rather adopts an open, cross-domain Semantic Web-based framework, that can accommodate the range and richness of particular community standards, such as LIDO, EAD or METS”

<http://europeanalabs.eu/attachment/wiki/WP1CommunityMeetingArchives/>

EDM v5.1-100406.pdf, p. 3.



Whether the Europeana Danube release will run on ESE extended or on EDM full or light – hopefully we will hear more about that later this afternoon – the new data model EDM itself holds a promise and this is clearly mentioned in the primer document which has been published.

It says:

“Each of the different heritage sectors represented in Europeana uses different data standards, and ESE reduced these to the lowest common denominator.”

and:

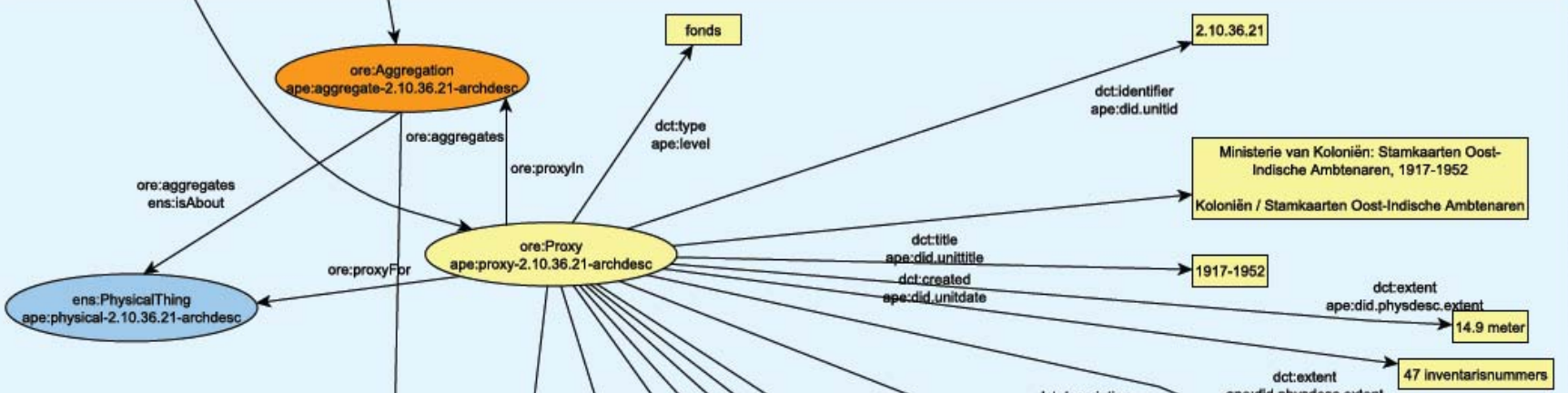
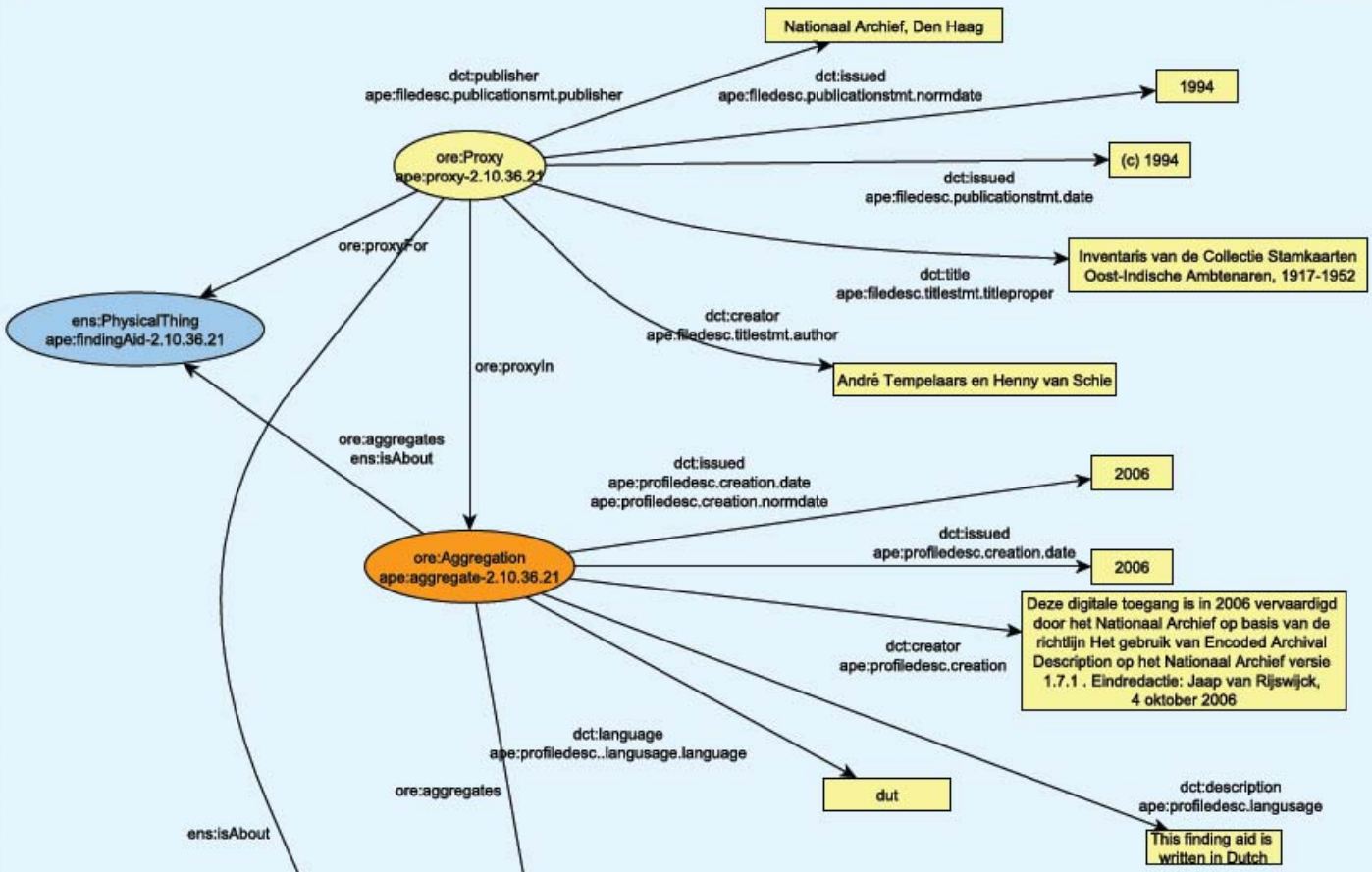
“EDM is not built on any particular community standard but rather adopts an open, cross-domain Semantic Web-based framework, that can accommodate the range and richness of particular community standards, such as LIDO, EAD or METS.”

So Europeana acknowledges that the ‘one on one’ model on which the current portal release runs, fails to accommodate the needs of certain communities and decided to do something about it.

This is of course very promising, but as we experienced before: having dealt with issues in a data model, doesn’t necessarily mean that this will be Ok in the display accordingly.

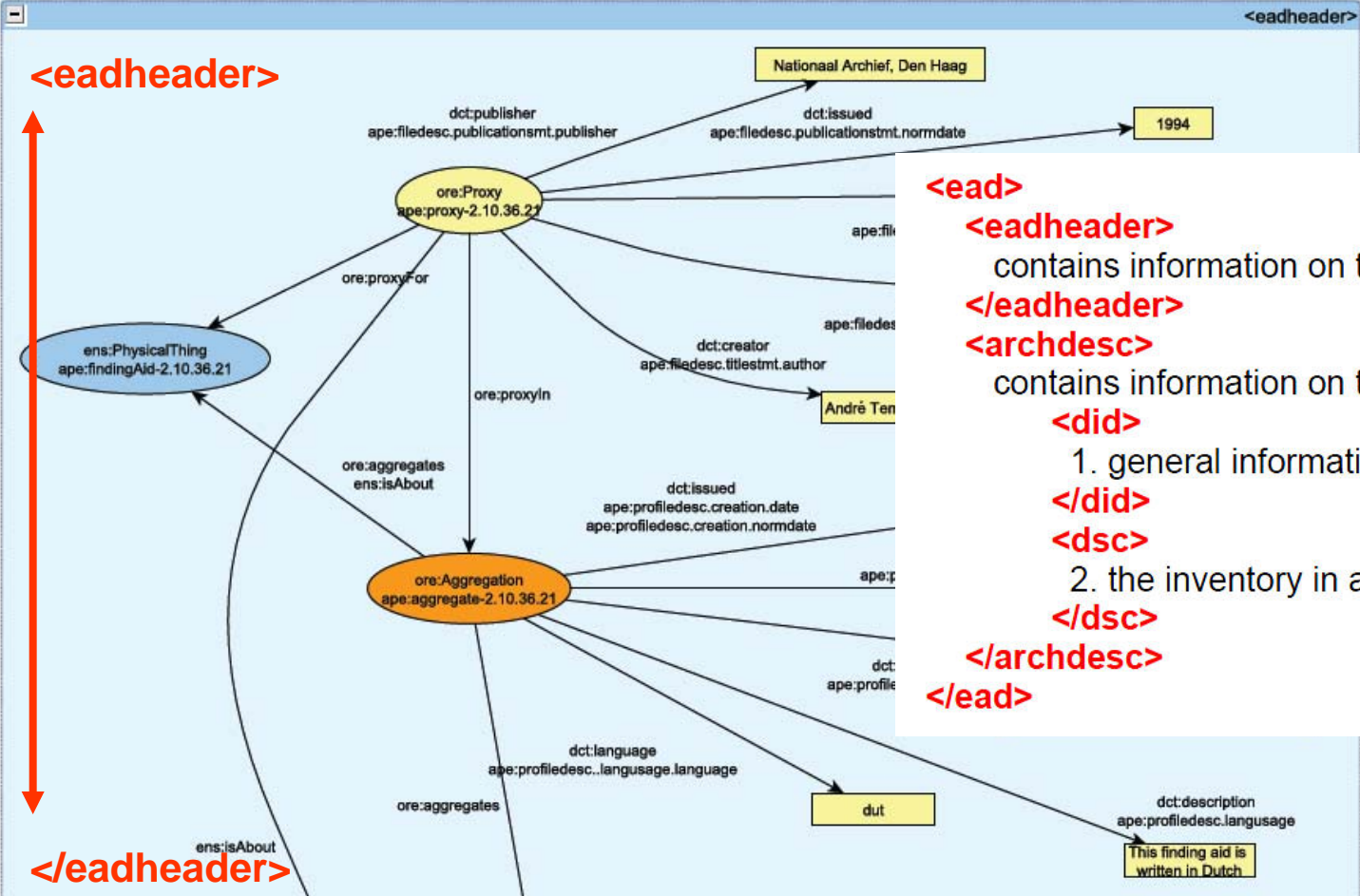
However, I am confident that it will be possible to implement in Europeana not only a level below a digital object as I showed you in the mock-up screens in the previous slide, but also one or more levels above a digital object, thus enabling the users to look at related digital objects from another angle.

The EuropeanaConnect project has already provided us examples of mapping EAD towards EDM and when we look at these, we see clearly that all hierarchical levels of an EAD finding aid could be mapped towards EDM.

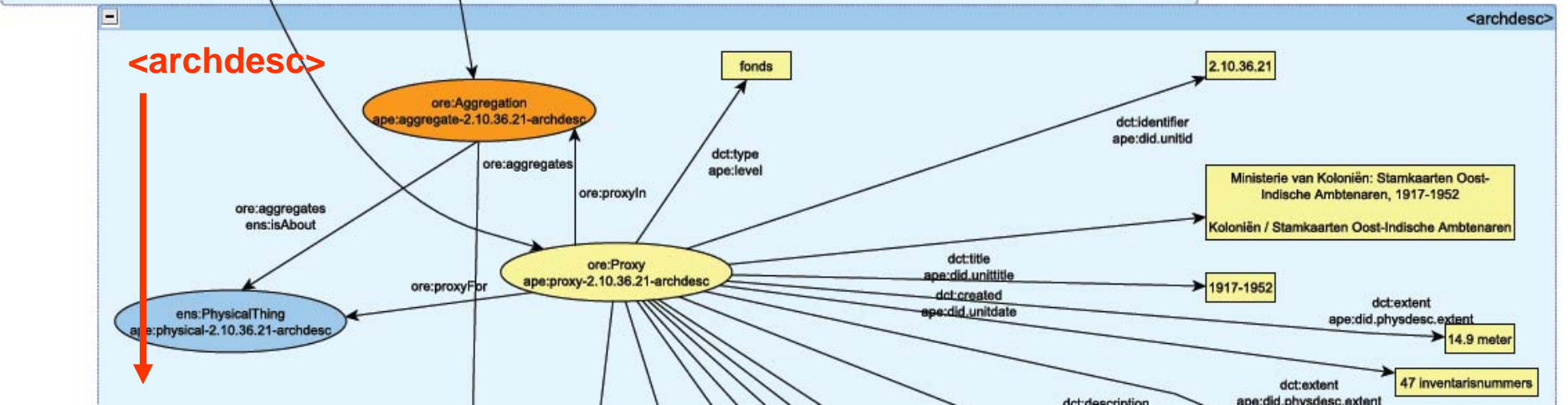


Here you see an EDM mapping of an EAD finding aid of the Dutch National Archives.

It's finding aid number: NL-HaNA_2.10.36.21, "Ministerie van Koloniën: Stamkaarten Oost-Indische Ambtenaren, 1917-1952", this archival fonds contains personal information (on cards) of civil servants of the Dutch Ministry of Colonies during the period 1917-1952; you can find the html representation on the website of the Dutch National Archives over here: http://www.nationaalarchief.nl/webviews/page.webview?eadid=NL-HaNA_2.10.36.21



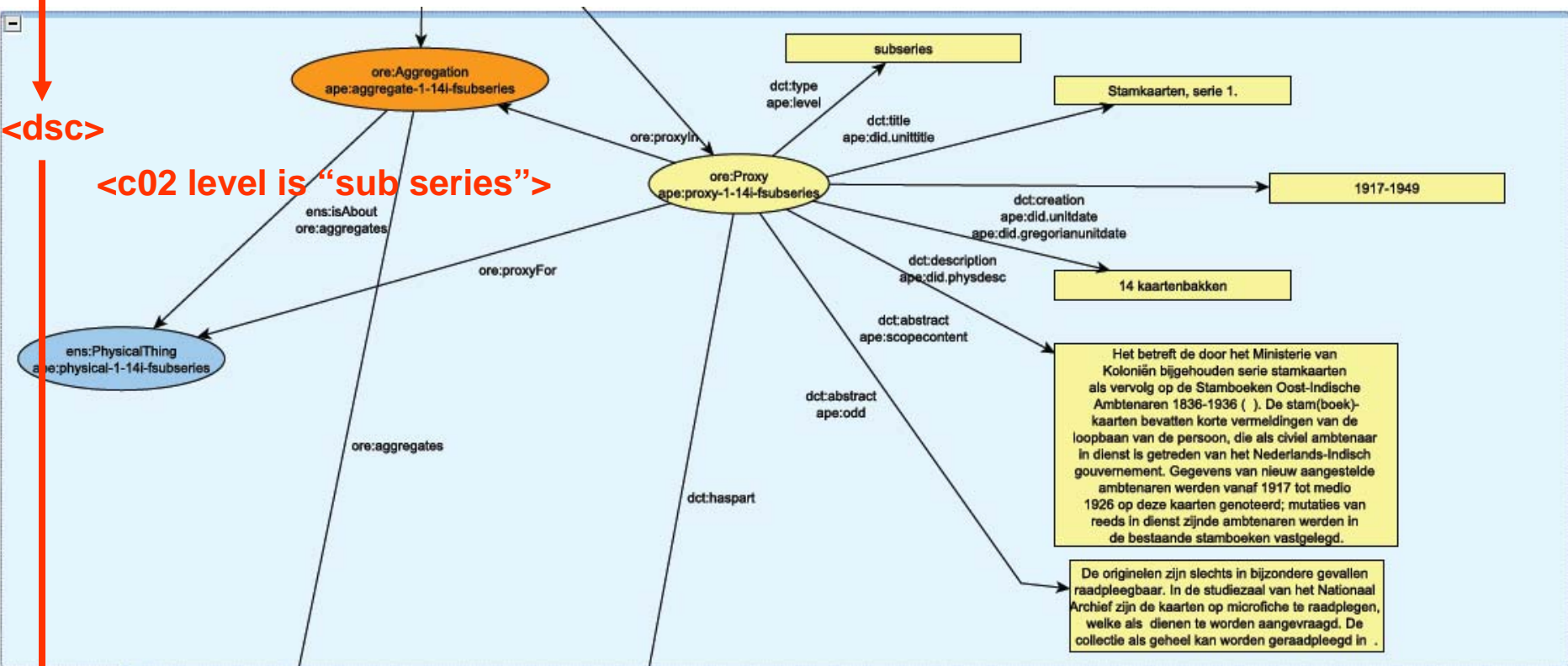
<ead>
<eadheader>
 contains information on the EAD finding aid
</eadheader>
<archdesc>
 contains information on the archive itself in two parts:
<did>
 1. general information on the archive
</did>
<dsc>
 2. the inventory in a hierarchy of <c – levels>
</dsc>
</archdesc>
</ead>



With a short explanation of the EAD structure and indications of which EDM elements correspond with the EAD elements, you can clearly see that it is possible to map all hierarchical levels of EAD.

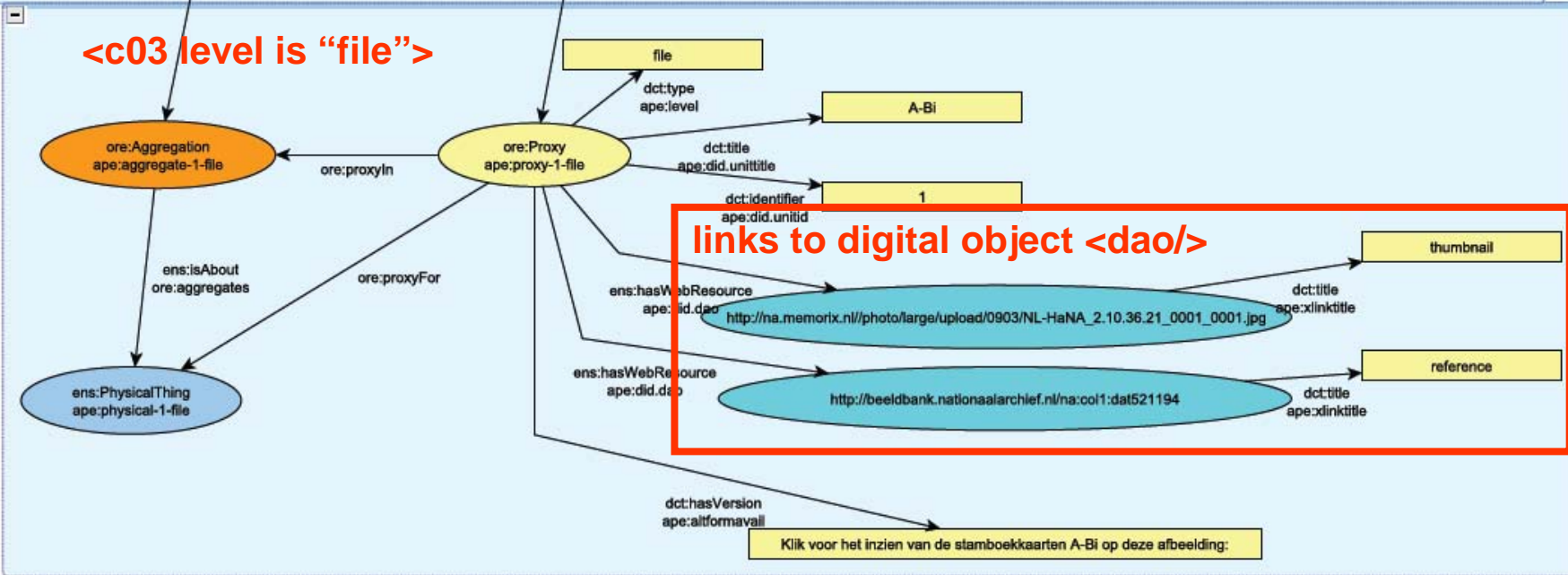
<dsc>

<c02 level is "sub series">



<c03 level is "file">

links to digital object <dao/>



Here you see another part of the EDM mapping of the same EAD finding aid. It's a part of the EAD <dsc/> element, which is the actual inventory of the archive.

The possibility to map all hierarchical levels of EAD to EDM, enables us to use our original idea of mapping all higher level EAD context elements related to a digital object separately again, but this time the display should not only order them correctly, but also treat them not as static display information, but as dynamic links, by which a user can find his/her way in the digital object landscape, just following context relations.

beta

2.10.36.21

Search

[Refine Search](#) [Advanced search](#)

Matches for: 2.10.36.21

All

Texts (29,181)

Images (0)

Videos (0)

Sounds (0)



Results 1 - 12 of 29,181

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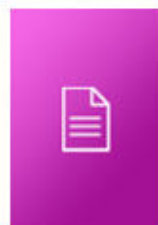
Refine your search:

By provider [+](#)By language [+](#)By country [+](#)By type [+](#)

Actions:

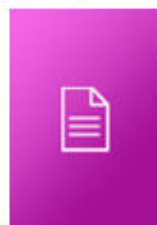
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No image? Click through the colour block to see the item. We are still loading...

**A-Bi >> Pagina 1**

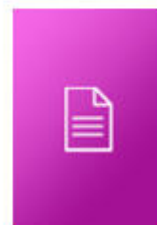
Ministerie van Koloniën, 1842-1945

Nationaal Archief

**A-Bi >> Pagina 2**

Ministerie van Koloniën, 1842-1945

Nationaal Archief

**A-Bi >> Pagina 3**

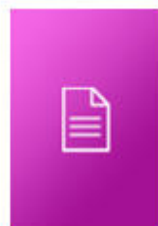
Ministerie van Koloniën, 1842-1945

Nationaal Archief

**A-Bi >> Pagina 4**

Ministerie van Koloniën, 1842-1945

Nationaal Archief

**A-Bi >> Pagina 5**

Ministerie van Koloniën, 1842-1945

Nationaal Archief

**A-Bi >> Pagina 6**

Ministerie van Koloniën, 1842-1945

Nationaal Archief

**A-Bi >> Pagina 7**

Ministerie van Koloniën, 1842-1945

Nationaal Archief

**A-Bi >> Pagina 8**

Ministerie van Koloniën, 1842-1945

Nationaal Archief



This is the way the digital objects of the Dutch National Archives finding aid for which we just saw the EDM mapping are displayed in Europeana.

beta

2.10.36.21

Search

[Refine Search](#) [Advanced search](#)

Matches for: 2.10.36.21

All

Texts (29,181)

Images (0)

Videos (0)

Sounds (0)



Results 1 - 12 of 29,181

Page: 1

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→



share

Refine your search:

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By country

By type

Actions:

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No image? Click through the colour block to see the item. We are still loading...

**A-Bi >> Pagina 1**

Ministerie van Koloniën, 1842-1945

Nationaal Archief

**A-Bi >> Pagina 2**

Ministerie van Koloniën, 1842-1945

Nationaal Archief

**A-Bi >> Pagina 3**

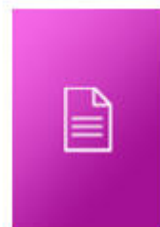
Ministerie van Koloniën, 1842-1945

Nationaal Archief

**A-Bi >> Pagina 4**

Ministerie van Koloniën, 1842-1945

Nationaal Archief

**A-Bi >> Pagina 5**

Ministerie van Koloniën, 1842-1945

Nationaal Archief

**A-Bi >> Pagina 6**

Ministerie van Koloniën, 1842-1945

Nationaal Archief

**A-Bi >> Pagina 7**

Ministerie van Koloniën, 1842-1945

Nationaal Archief

**A-Bi >> Pagina 8**

Ministerie van Koloniën, 1842-1945

Nationaal Archief



Of course we would like to see all these pages combined via smart functionality as shown before, so all the pages of one digital object should be shown as one search result, with a possibility to go to all the other pages.



2.10.36.21

Search ?

[Advanced search](#)

Matches for: 2.10.36.21

Item details

[Return to results](#)

[share](#)

1 2 3 Next



A-Bi >> Pagina 1

Title: A-Bi >> Pagina 1

Context information: Inventaris van de Collectie Stamkaarten Oost-Indische Ambtenaren, 1917-1952 >> Ministerie van Koloniën: Stamkaarten Oost-Indische Ambtenaren, 1917-1952 Koloniën / Stamkaarten Oost-Indische Ambtenaren >> Stamkaarten, serie 1.

Creator: Commissariaat voor Indische Zaken, 1927-1949; Ministerie van Koloniën, 1842-1945; Ministerie voor Uniezaken en Overzeese Rijksdelen, 1949-1952

Language: Dutch

Source: Nationaal Archief, Den Haag

Provider: Nationaal Archief; Netherlands

[More](#)

[View in original context](#)

Opens in a new window

1 2 3 Next

Related content:

Items

[A-Bi >> Pagina 12](#)

[A-Bi >> Pagina 29](#)

[A-Bi >> Pagina 46](#)

[See all related items](#)

Actions:

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But wouldn't it also be nice to be able to access the context information of this digital object via links to the other hierarchical levels?

2.10.36.21

Search ?

[Advanced search](#)

Matches for: 2.10.36.21

Item details

[↑ Return to results](#)
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1 2 3 Next

 **A-Bi >> Pagina 1**

Title: A-Bi >> Pagina 1

Context information:
[Inventaris van de Collectie Stamkaarten Oostindische Ambtenaren, 1917-1953](#)
 > [Ministerie van Koloniën: Stamkaarten Oostindische Ambtenaren, 1917-1953](#)
 > [Stamkaarten, serie 1](#)

Creator: Commissariaat voor Indische Zaken, 1927-1949; Ministerie van Koloniën, 1842-1945; Ministerie voor Uniezaken en Overzeese Rijksdelen, 1949-1952

Language: Dutch

Source: Nationaal Archief, Den Haag




Provider: Nationaal Archief; Netherlands

[More](#)

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Related content:

Items

-  [A-Bi >> Pagina 12](#)
-  [A-Bi >> Pagina 29](#)
-  [A-Bi >> Pagina 46](#)

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Now that could be a "compromise" archivists could be comfortable with, as it would combine the advantages of both the top-down and bottom-up approaches of displaying cultural heritage objects.

Here I have summed up the most important issues to work on any further:

- We would like to have documentation on the business rules of the Europeana Rhine release display and be updated as they change, because then we have to change the mapping.
- Based on our experiences, we would like Europeana to start prototyping displaying the EDM a.s.a.p.
- Although EDM can map the full hierarchical structure of an EAD finding aid, there are still issues to be discussed.

And of course we would like to advise Europeana to change the policy of displaying only one digital unit per cultural heritage object instead of all of them, as explained before.

