



europæana
think culture

Ingestion process and workflow

Cécile Devarenne
Operations Officer
Aggregation Workshop
Belgrade, 28th January 2015

Content

- Prior to the submission of your data
- Aggregation workflow
 - Feedback and advice
 - Submission deadlines
- What happens to your data?
 - Europeana current ingestion tools and software
 - Europeana ingestion processes and data flows
 - Import
 - Edit & validate
 - Enrich
 - Publish



→ Prior to the submission of your data to Europeana



Prior to the submission of your data to Europeana

- Clear relationship to Europeana
- DEA signed by all partners
- Publication policy known
- Data contribution form is filled in

Fill Data Contribution Form and send to Europeana



Process Data Contribution Form to enable first delivery of data



Prior to the submission of your data to Europeana

- What is the Data contribution form?
 - A simple document to fill in
 - Gathers general information about your aggregator and the data to be submitted
 - Details are asked about the amount of data and the ingestion plan for the coming year(s)



Prior to the submission of your data to Europeana

- Technical infrastructure in place
- Preparation of data:
 - Data transformed to EDM
 - In the form of records describing each a cultural heritage object
 - For each record, a link to a digital representation exists
 - For each record, a rights statement is applied
- Publication of data: OAI-PMH, ftp, etc

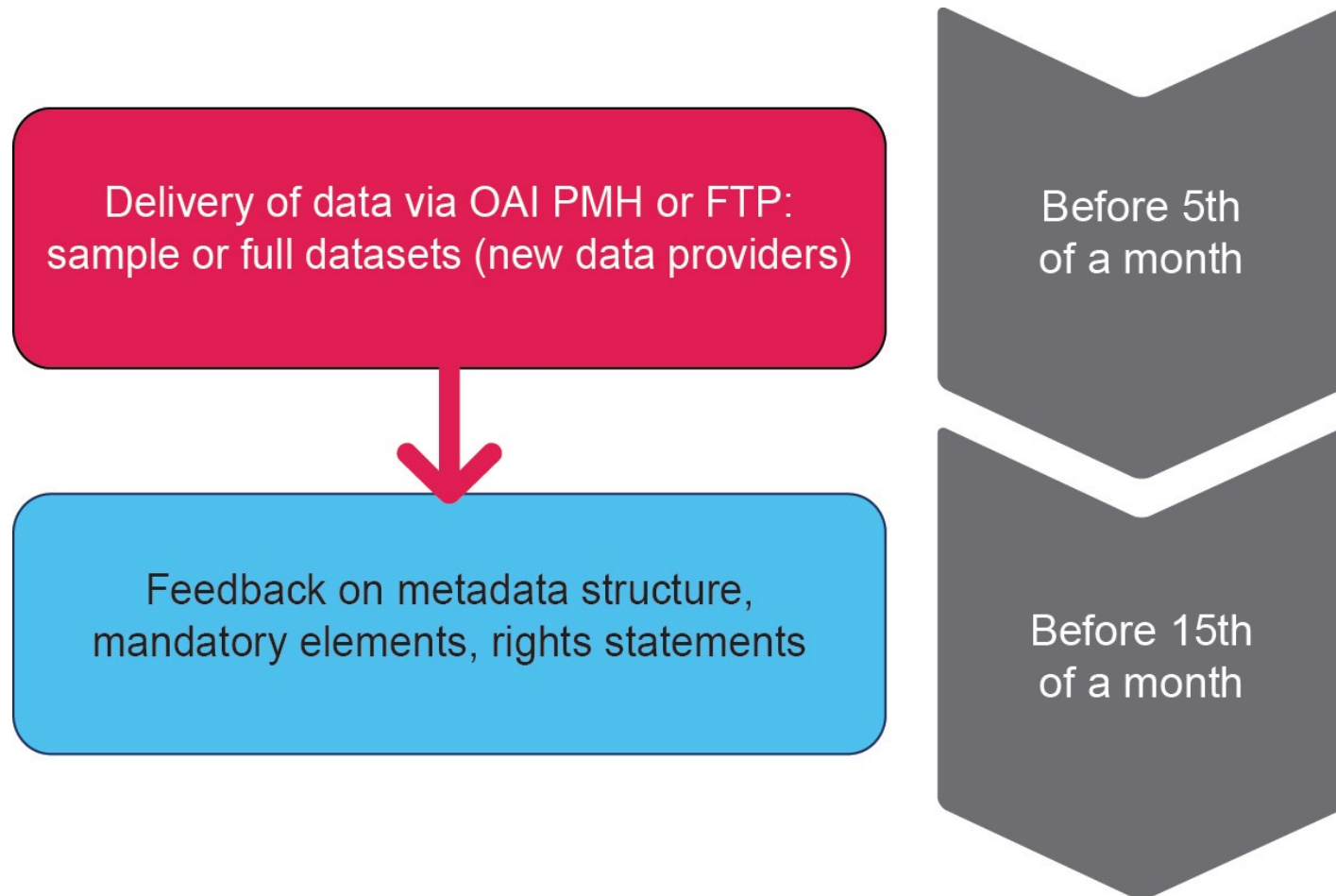
Data ready to be sent!



→ **Aggregation workflow: feedback and advice, submission deadlines**



First delivery to Europeana



First delivery to Europeana: what do we check?

- Technical checks:
 - The data is submitted in the form of datasets (group of records), in EDM, and can be harvested or uploaded in our system
 - The data is encoded in UTF8



First delivery to Europeana: what do we check?

- Data quality checks according to the Europeana publication policy and the EDM schema and guidelines:
 - Type of objects provided
 - Presence and meaningfulness of mandatory/ recommended elements (see previous presentation about quality in EDM ;-)
 - Structure of EDM data (semantics and connections between classes, use of persistent identifiers)
 - Analysis of the choice of rights statements

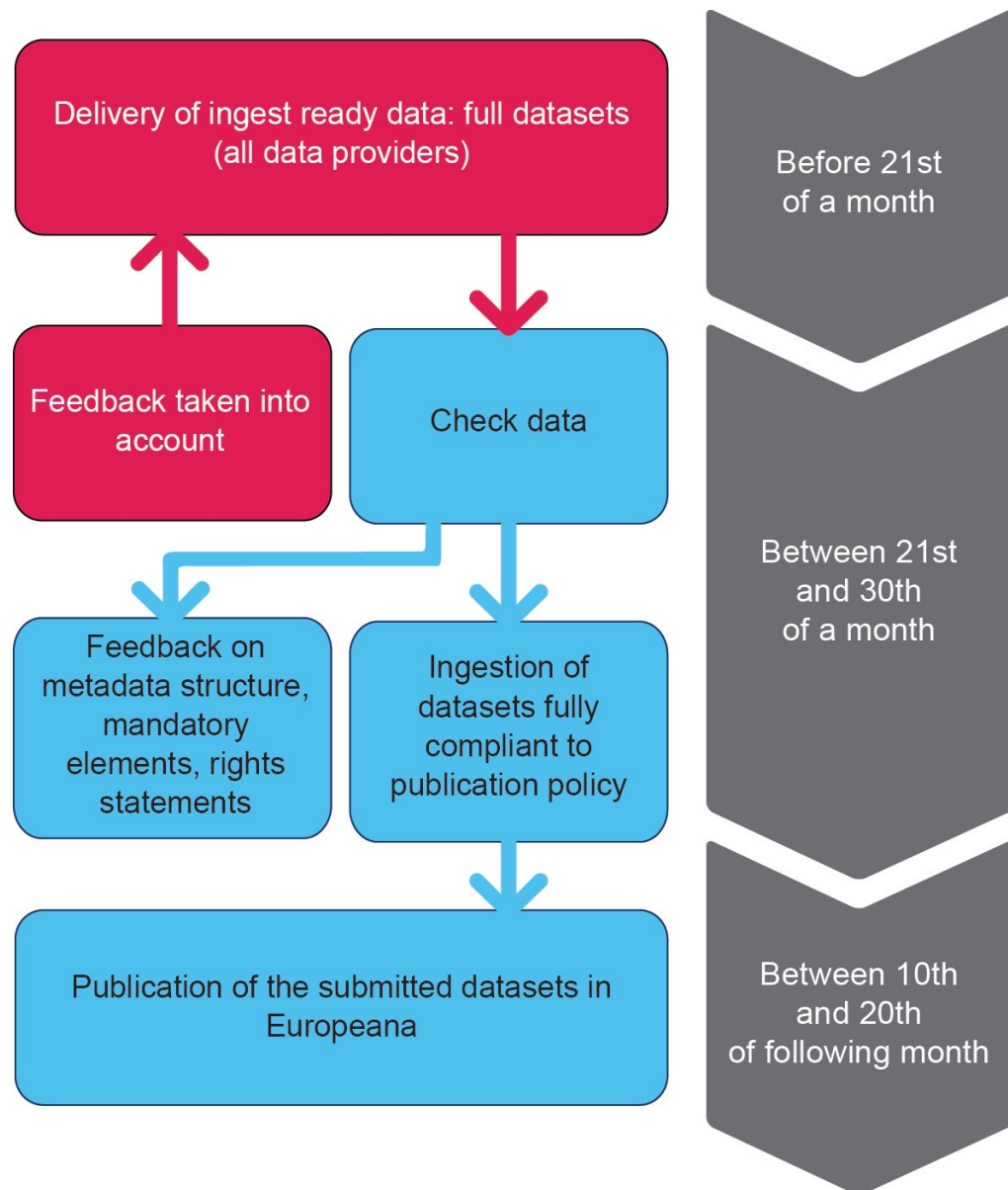


First delivery to Europeana: what feedback do we send?

- If everything is all right, ingestion can start!
- Please note that the first round of feedback can take up to a few weeks/months
- If issues need to be fixed, our feedback covers:
 - Identification of blocking issues: structural data issues, majority of records missing mandatory properties, links not resolving, etc
 - Suggestions for improvements on the long run: possibilities to improve the data, provision of direct links to the digital objects, provision of thumbnails, etc
- The feedback is the start of an ongoing conversation on how to make things better on both sides!



Submission of data and publication cycles



Submission of data and publication cycles

- Operations officers work on a monthly cycle
- Each month, data needs to be submitted by the 21st to be included in the coming cycle and published by the 15/20th of the following month
- A dataset takes on average 40 mins to process
- Around 200 datasets are processed by the Operations officers for each cycle of publication
- Datasets go through a full flow of operations before they are production ready
- Datasets need to be submitted on time in order for this production cycle to work

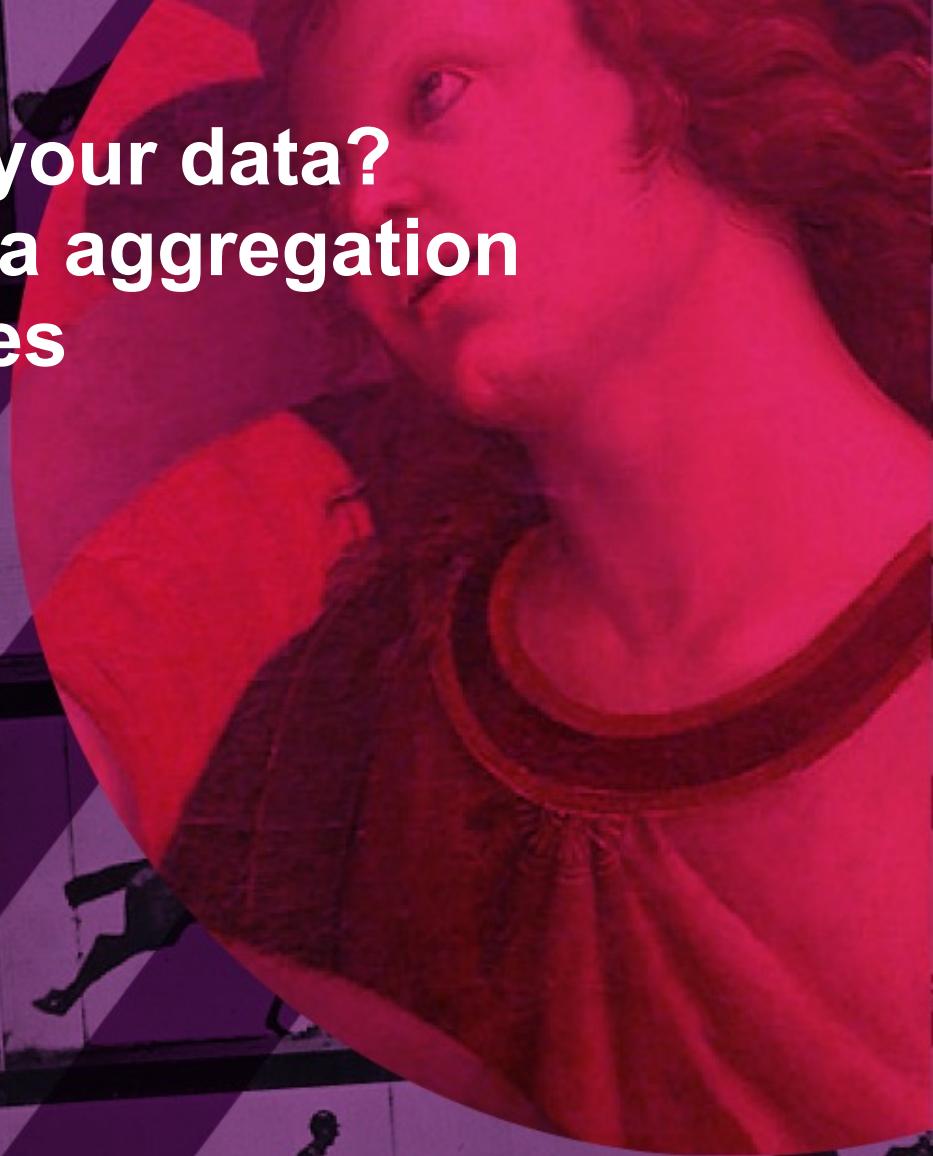


Submission of data and publication cycles

The earlier you submit datasets the more feedback we can give!



→ **What happens to your data?**
**Current European aggregation
tools and softwares**



Europeana's set of ingestion tools

- Unified Ingestion Manager (UIM): orchestrator of data flows triggered in various tools and plugins
- SugarCRM (Customer Relationship Management): reference entries for datasets and organizations
- REPOX: harvester to get the collections uploaded into Europeana
- Europeana's instance of Mint (Metadata INTeroperability): mapping and editing tool for ingested datasets

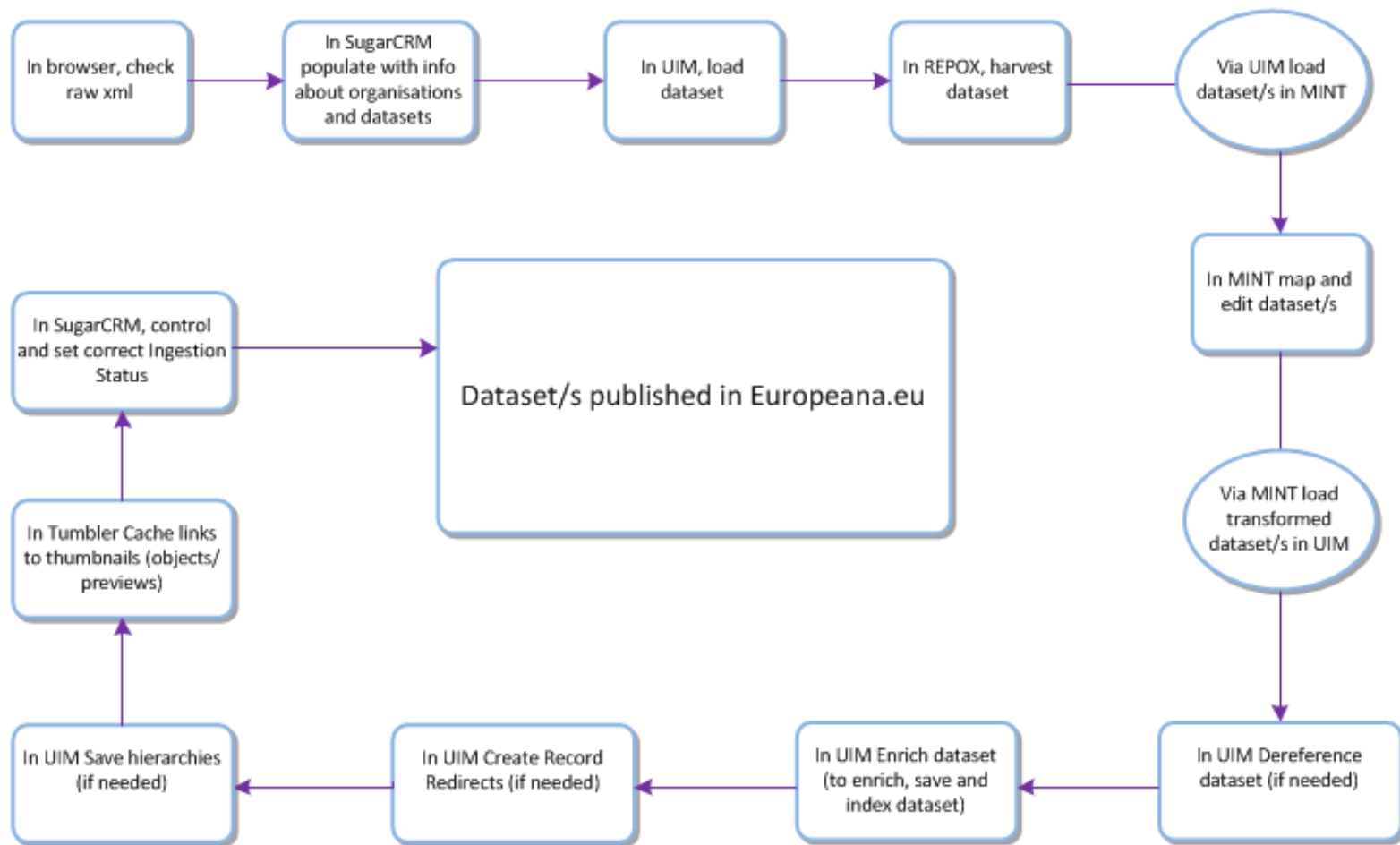


Europeana's set of ingestion tools

- Data plugins
 - Itemization, Europeana identifiers generation
 - Dereferencing
 - Enrichment
 - Redirects
 - Extraction of hierarchies
 - Thumbnails caching



Europeana ingestion workflow



Unified Ingestion Manager

Europeana

Ingestion Control Panel

▼ Monitoring

Active Ingestions

Finished Ingestions

► Managing

▼ Validation

Ingested Metadata Preview

Failed Records Report

► Link Checker/ Thumbler

► Importing

Active Ingestions

This view shows the current running ingestion activities together with their progress and a cancel button!

| ID | Name | Start Time | Progress |
|--------------------------|---|------------------------|----------|
| 54c6692ee4b099b29b2cdb94 | C: (Re)Import Data from Mint Mapping Tool/2048047 | 26.01.2015 at 17:19:58 | 56% |
| 54c66b4ae4b099b29b2cfd79 | C: (Re)Import Data from Mint Mapping Tool/91652 | 26.01.2015 at 17:28:58 | 61% |
| 54c66e8ae4b099b29b2d5f87 | C: (Re)Import Data from Mint Mapping Tool/91647 | 26.01.2015 at 17:42:50 | 75% |
| 54c66efce4b099b29b2d67a8 | C: (Re)Import Data from Mint Mapping Tool/91640 | 26.01.2015 at 17:44:44 | 24% |
| 54c66f9ce4b099b29b2d709e | F: Enrich Collection/09431 | 26.01.2015 at 17:47:24 | 78% |
| 54c66fd5e4b099b29b2d7340 | C: (Re)Import Data from Mint Mapping Tool/2048002 | 26.01.2015 at 17:48:21 | 35% |
| 54c67012e4b099b29b2d787f | C: (Re)Import Data from Mint Mapping Tool/2021646 | 26.01.2015 at 17:49:22 | 3% |



→ What happens to your data? Ingestion processes and data flows
















































Steps to get data ingested: import

From the moment your data was submitted:

- Checks on raw xml (Browser)
 - Prior to harvesting
 - Identification of key issues
- Creation/update of dataset information, checks on validity of the supplied harvesting information (SugarCRM - REPOX)
- Harvesting (REPOX)



Steps to get data ingested: import (Repos)

| Name | Name Code | Data Set | OAI-PMH Schemas | Ingest Type | Last Ingest | Next Ingest | Records | Ingest Status |
|--|---------------|----------|-----------------|--|----------------------------------|-------------|---------|--|
|  euagggregator | euagggregator | | | | | | | |
|  The European Library | 920 | | | | | | | |
|  9200367_Ag_EU_TEL_a1265_Newspapers_Serbia | 9200367 | 9200367 | edm |  OAI-PMH edm | 2014-12-01 16:02 | | 3.272 |  |
|  9200368_Ag_EU_TEL_a1229_NationalLibraryBulgaria | 9200368 | 9200368 | edm |  OAI-PMH edm | 2014-10-24 09:27 | | 676 |  |
|  9200369_Ag_EU_TEL_a1299_FondazioneBEIC | 9200369 | 9200369 | edm |  OAI-PMH edm | 2014-12-04 16:19 | | 6.364 |  |
|  9200373_Ag_EU_TEL_a0642_Newspapers_Portugal | 9200373 | 9200373 | edm |  OAI-PMH edm | | | 0 | |
|  9200374_Ag_EU_TEL_a0645_Newspapers_Bulgaria | 9200374 | 9200374 | edm |  OAI-PMH edm | 2014-10-28 18:32 | | 416 |  |
|  9200375_Ag_EU_TEL_a0643_Newspapers_Romania | 9200375 | 9200375 | edm |  OAI-PMH edm | 2014-12-01 16:02 | | 104 |  |
|  9200376_Ag_EU_TEL_a1226_NationalLibrarySpain | 9200376 | 9200376 | edm |  OAI-PMH edm | | | 0 | |
|  9200377_Ag_EU_TEL_a1228_NationalLibraryBulgaria | 9200377 | 9200377 | edm |  OAI-PMH edm | 2014-10-30 11:32 | | 639 |  |
|  9200378_Ag_EU_TEL_a1230_NationalLibraryBulgaria | 9200378 | 9200378 | edm |  OAI-PMH edm | 2014-10-30 11:32 | | 76 |  |
|  9200379_Ag_EU_TEL_a0551_Collections1914-1918_KB-DK | 9200379 | 9200379 | edm |  OAI-PMH edm | 2014-10-30 11:34 | | 1.050 |  |
|  9200380_Ag_EU_TEL_a1148_eCloud_LibraryTechnology | 9200380 | 9200380 | edm |  OAI-PMH edm | 2014-10-30 11:33 | | 103 |  |
|  9200381_Ag_EU_TEL_a1138_eCloud_Patras | 9200381 | 9200381 | edm |  OAI-PMH edm | 2014-10-30 11:34 | | 22.576 |  |
|  9200382_Ag_EU_TEL_a1166_eCloud_NatLib_Wales | 9200382 | 9200382 | edm |  OAI-PMH edm | 2014-10-30 17:12 | | 36 |  |
|  9200383_Ag_EU_TEL_a0544a_eCloud_KBR | 9200383 | 9200383 | edm |  OAI-PMH edm | 2014-10-30 11:33 | | 188 |  |
|  9200384_Ag_EU_TEL_a0613_Newspapers_ONB | 9200384 | 9200384 | edm |  OAI-PMH edm | 2014-11-28 09:43 | | 629.498 |  |



Steps to get data ingested: edit & validate

- Mapping/editing and transformation of datasets (Mint)
 - Mapping tool for all datasets
 - Adapted for Europeana in order to process multiple formats (EDM, ESE, any metadata standard with provided XSLT)
 - Drag and drop appropriate elements
 - Quality checks and data cleaning if necessary
 - Transformation and validation of records according to EDM schema and schematron rules
 - EDM Internal data: Europeana ready material
- Itemization and creation/management of Europeana identifiers for permalinks to your records in Europeana (UIM)



Steps to get data ingested: edit & validate (Mint)

Mapping: 2024908_21-11-2013 (Deprecated20141020_EDMInternal)

2024908_21-11-2013
Deprecated20141020_EDMInternal
Organization: Europeana Photography
Created: 2013-11-21 14:19:35.288

Preview Navigation Preferences

Search

- [-] repoxWrap
 - [i] @oai:pmh
 - [-] [i] rdf:RDF
 - [-] [i] edm:ProvidedCHC
 - [i] @rdf:about
 - [+] [i] dc:creator
 - [+] [i] dc:format
 - [i] dc:identifier
 - [i] dc:rights
 - [+] [i] dc:title
 - [@] [i] [x] [y] [z] dc:title
 - [if] [AND] { [x] [y] [z] dc:title is not equal to [z] }
 - [x] [y] [z] [f] [dc:title]
 - [+] [i] dc:type
 - [i] [x] [y] [z] Photography
 - [@] [i] [x] [y] [z] dc:type
 - [if] [x] [y] [z] [f] [dc:type]
 - [+] [i] dcterms:alternative
 - [if] [x] [y] [z] [f] [dcterms:alternative]



Steps to get data ingested: edit & validate


- Manual validation of data (see previous section on feedback)
- Automated validation of data
 - Validation according to the EDM schema (Mint)
 - Validation of the mandatory properties (Mint)
 - Unique identifiers within a dataset (UIM plugin)
- Metadata records that don't meet this validation are invalidated or discarded
- Providers can fix issues first and resubmit or let Europeana ingest the records that are valid, and fix the invalid records at a later stage



Steps to get data ingested: edit & validate (Mint)

Item

[Snow all](#)

 XML failed Deprecated20141020_EDMInternal validation

[Show/hide report](#)

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <rdf:RDF
3   xmlns:crm="http://www.cidoc-crm.org/rdfs/cidoc_crm_v5.0.2_english_label.rdfs#"
4   xmlns:dc="http://purl.org/dc/elements/1.1/"
5   xmlns:dcterms="http://purl.org/dc/terms/"
6   xmlns:edm="http://www.europeana.eu/schemas/edm/"
7   xmlns:foaf="http://xmlns.com/foaf/0.1/"
8   xmlns:ore="http://www.openarchives.org/ore/terms/"
9   xmlns:owl="http://www.w3.org/2002/07/owl#"
10  xmlns:rdaGr2="http://rdvocab.info/ElementsGr2/"
11  xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#"
12  xmlns:rdfs="http://www.w3.org/2000/01/rdf-schema#"
13  xmlns:skos="http://www.w3.org/2004/02/skos/core#"
14  xmlns:wgs84="http://www.w3.org/2003/01/geo/wgs84_pos#" xmlns:xalan="http://xml.apache.org/xalan">
15  <edm:ProvidedCHO rdf:about="http://mint-projects.image.ntua.gr/photography/ProvidedCHO/Archivio fotografico So
16  <edm:WebResource rdf:about="http://www.archiviofotografico.societageografica.it/MW/classes/userModules/s
17  <edm:WebResource rdf:about="http://www.archiviofotografico.societageografica.it/index.php?it/152/archivi
18  <skos:Concept rdf:about="http://bib.arts.kuleuven.be/photoVocabulary/-photoVocabulary-11017"/>
19  <skos:Concept rdf:about="http://bib.arts.kuleuven.be/photoVocabulary/-photoVocabulary-31116"/>
20  <ore:Aggregation rdf:about="http://mint-projects.image.ntua.gr/photography/Aggregation/Archivio fotografico So
21    <edm:aggregatedCHO rdf:resource="http://mint-projects.image.ntua.gr/photography/ProvidedCHO/Archivio fotografico So
22    <edm:dataProvider>Archivio fotografico Società Geografica Italia</edm:dataProvider>
23    <edm:isShownAt rdf:resource="http://www.archiviofotografico.societageografica.it/index.php?it/152/archivi
24    <edm:isShownBy rdf:resource="http://www.archiviofotografico.societageografica.it/MW/classes/userModules/s
25    <edm:object rdf:resource="http://www.archiviofotografico.societageografica.it/MW/classes/userModules/s
26    <edm:provider>EuropeanaPhotography</edm:provider>
27    <dc:rights>Società Geografica Italiana</dc:rights>
28    <edm:rights rdf:resource="http://www.europeana.eu/rights/rr-f"/>
29  </ore:Aggregation>
30  <ore:Proxy rdf:about="http://mint-projects.image.ntua.gr/photography/ProvidedCHO/Archivio fotografico So
31    <dc:creator xml:lang="it">[De Simone, R.]</dc:creator>
32    <dc:format rdf:resource="http://bib.arts.kuleuven.be/photoVocabulary/-photoVocabulary-11017"/>
33    <dc:format xml:lang="en"/>
34    <dc:format xml:lang="it">gelatina ai sali d'argento</dc:format>
--
```



Steps to get data ingested: edit & validate (UIM)

Failed Records Report

This page allows you to preview the duplicate records that have not been ingested

eu: Europeana Photography

2024907: 2024907_Ag_EU_E

Select

| Original Id | Date | Collection Id | Europeana Id | Failure Reason |
|--|------------------------------|---------------|--------------------------------|--|
| http://mint-projects.image.ntua.gr/photograph de Catalunya. Arxiu Nacional de Catalunya/ANC-1-42-N-34753 | Fri Jan 23 12:06:56 CET 2015 | 2024907 | /2024907/photography_ProvidedC | The Europeana Identifier of the record was encountered twice for different records in the same dataset |
| http://mint-projects.image.ntua.gr/photograph de Catalunya. Arxiu Nacional de Catalunya/ANC-1-42-N-34518 | Fri Jan 23 12:15:57 CET 2015 | 2024907 | /2024907/photography_ProvidedC | The Europeana Identifier of the record was encountered twice for different records in the same dataset |
| http://mint-projects.image.ntua.gr/photograph de Catalunya. Arxiu Nacional de Catalunya/ANC-1-325-N-171 | Fri Jan 23 12:06:41 CET 2015 | 2024907 | /2024907/photography_ProvidedC | The Europeana Identifier of the record was encountered twice for different records in the same dataset |
| http://mint-projects.image.ntua.gr/photograph de Catalunya. Arxiu Nacional de Catalunya/ANC-1-972-N-1055 | Fri Jan 23 12:13:34 CET 2015 | 2024907 | /2024907/photography_ProvidedC | The Europeana Identifier of the record was encountered twice for different records in the same dataset |



Steps to get data ingested: enrich

- Following operations on data:
 - Thumbnails caching, technical metadata extraction
 - Enrichments of data:
 - From links to linked data exposed ontologies, generation of additional contextual data (dereferencing)
 - From analysis of the provided data, automated semantic enrichment (Europeana enrichment)
- If necessary (when a change of identifiers was communicated to Europeana), creation of redirections between previous and newly generated identifiers



Steps to get data ingested: enrich



Young man with a turban playing the flute

Creator:

[Pasta, Fernando](#)

Geographic coverage:

[India](#)

Date of creation:

1940 ca.

Type:

[photography](#); [types / photographic practice](#); [Methoden](#)

Format:

[Photographic prints](#); [photo](#)

Subject:

[Art / culture participant](#); [K](#)
[Turban Headress \(Civilian](#)
[Male Portrait](#)

Identifier:

PTA-F-000105-0000

[Geographical coverage](#) ▼

Place Term:

<http://sws.geonames.org/1269750/>

Place Label:

[India] (xh); [India] (no); [India] (nn); [Yndia] (fy); [Na h-Innseachan] (gd); [India] (ny); [An India] (ga); [India] (nv); [India] (fj); [India] (oc); [Intia] (fi); [India] (om); [Inde] (fr); [India] (fo); [Индия] (os); [ଭାରତ] (or); [India] (wo); [இந்தியா] (he); [India] (ha); [India] (gn); [India, India - भारत] (gl); [ਭਾਰਤ] (pa); [Yn Injey] (gv); [Indie] (pl); [ਭਾਰਤ] (gu); [Inde] (wa); [भारत] (pi); [India, ʔɪndiə] (lo); [India, ɛnde] (ln); [□□□□□□□□□□] (dv); [Ān Đô] (vi); [India, ʔɪndiə] (dz); [Indija] (lv); [Indija] (lt); [India] (vo); [Indien] (de); [Hindiston, Ҳиндистон] (uz); [Bharat, IN, Republic of India] (def); [India] (ve); [India] (mg); [India] (mh); [Индия] (mk); [ഇന്ത്യ] (ml); [Inia] (mi); [Энэтхэг] (mn); [India] (eu); [Индия] (uk); [Индия, Энэтхэг] (mo); [भारत] (mr); [هندستان] (ug); [Indja] (mt); [Hindia, India] (ms); [هند] (fa); [انڈیا, بھارت] (ur); [India] (my); [ʔɪniə] (ty); [India] (ee); [India] (na); [lvdiə] (el); [India] (nb); [Hindstan] (tt); [India] (tw); [भारत] (ne); [Barato, Bharato, Hinda Unio, Hindio, Hindujo] (eo); [India] (ng); [India] (en); [India] (et); [India, Unión India] (es); [India] (nl); [ʔɪniə] (to); [India] (jv); [India] (ca); [India] (tl); [India] (ts); [Hindistan] (tr); [Ҳиндустон] (tg); [ಭಾರತ ದೇಶಂ, ಭಾರತ ದೇಶಮು] (te); [Indija] (bs); [Hindistan] (tk); [India] (br); [India] (ti); [ປະເທດອິນເດຍ, อິนເດีย] (th); [ভারত] (bn); [India] (kj); [India, ʔɪndiə] (hu); [இந்திய குடியரசு] (bo); [India] (ki); [India] (kg); [இந்தியா] (ta); [India] (bm); [India] (su); [ອິນເດຍາຣາດ] (ka); [Индия] (bg); [Indien] (sv); [भारत] (bh); [India] (ss); [India] (st); [India] (bi); [Uhindi] (sw); [Индия] (be); [Eynda] (kw); [Indija] (sl); [India] (sk); [India] (sn); [India] (ky); [Indien] (da); [India] (sm); [ایندوستان] (ks); [Hindiya] (so); [Hindistan] (ku); [Индия] (sr); [India] (kv); [Indi, India] (sq); [India] (sd); [인도] (ko); [India] (cy); [India] (sc); [India] (se); [Indija] (sh); [Индия] (cv); [Үндістан] (kk); [India] (sg); [India] (kl); [இலங்கை] (km); [Indie] (cs); [ಭಾರತ] (kn); [இந்தியா] (si); [India] (li); [India] (cr); [India] (co); [India] (lg); [भारत, भारतम्] (sa); [India] (la); [India] (ch); [Indien] (lb); [Индия] (ru); [India] (ce); [Indija] (hr); [India] (ro); [印度] (zh); [India] (rn); [India] (rm); [End] (ht); [India] (hu); [India] (za); [भारत] (hi); [India] (ho); [India] (id); [India] (ia); [India] (ig); [India] (zu); [India] (ie); [India] (hz); [Barat, Indiya] (qu); [Հնդկաստան] (hy); [Hindistan] (az); [Indland] (is); [India] (it); [India] (ay); [India, Һиндостан] (ba); [Δῆλος] (iu); [ਭਾਰਤ] (ii); [ভারত, ভারত] (as); [هند] (ar); [India] (io); [India] (av); [India] (ak); [ਭਾਰਤ] (am); [India] (an); [India] (pt); [India] (yo); [India] (aa); [India] (ab); [ইন্ডিয়া] (ja); [Indië] (af); [אידיע] (yi); [هند] (ps)

© Paid access - no re-use

View item at
[Alinari Archives](#)

[Share](#)

[Cite on Wikipedia](#)

[Label format](#)

Steps to get data ingested: enrichment true story, a bug that has been fixed



Young man with a turban playing the flute

Creator:
Pasta, Fernando

Geographic coverage:
India, Indjija, Indija
Latitude: 45.04917; Longitude: 20.07917

Date of creation:
1940 ca.

Type:
photography; Types / photograph

Format:
Photographic prints; photograph

Subject:
Art / culture participant; Kultur-Mi
Turban Headress (Civilian, Milita
Male Portrait

Identifier:
PTA-F-000105-0000

Geographical coverage ▾

Place Term:
<http://sws.geonames.org/790015/>

Place Label:
[India, Indjija, Indija] (def)

Geo Space:
45.04917; 20.07917

Place Term:
<http://sws.geonames.org/6290252/>

Place Label:
[Serbya] (tl); [Sèrbia] (ca); [Sirbistan] (tr); [Serbia] (no); [Serbia] (nn); [Servje] (fy); [Srbija] (bs); [An tSeirbia] (ga); [ประเทศไทยเซอร์เบีย, เซอร์เบีย] (th); [சர்வியா] (bn); [செர்ବியா] (bo); [Serbia] (oc); [Serbia] (fi); [Serbien] (sv); [Serbie] (fr); [Сърбия] (bg); [სერბიკა, სერბიკა] (ka); [Сърбија] (be); [Srbija] (sl); [Srbsko] (sk); [Serbia, Serbien] (da); [Sirbistan] (ku); [Србија] (sr); [Serbia] (sq); [세르비아] (ko); [Serbia] (cy); [סרביה] (he); [Serbia] (se); [Srbija] (sh); [Србија] (cu); [Srbsko] (cs); [Servië] (li); [Serbia, Serbia - Србија] (gl); [Serbia] (pl); [Serbia] (la); [Сербия] (ru); [Srbija] (hr); [塞尔维亚] (zh); [Serbia] (ro); [Xéc-bi] (vi); [Szerbia] (hu); [Srbija] (lv); [सर्बिया] (hi); [Srbija] (it); [Särbän] (vo); [Serbia] (id); [Serbien] (de); [Serbiya] (uz); [RS, Serbia] (def); [Sirbya] (qu); [Україна] (hy); [Србија] (mk); [செர்வியா] (ml); [Serbia] (eu); [Serbia, Serbía] (is); [Сербия] (uk); [Serbia] (it); [Srbja] (mt); [سربيه] (ug); [Serbia] (ms); [صربستان] (fa); [جمهورية صربيا, صربيا] (ar); [Serbia] (io); [Serbia] (nb); [Σερβία] (el); [ሶርቢያ] (am); [Serbia] (an); [सर्बिया] (ne); [Sérvia] (pt); [Serbio] (eo); [Serbia] (en); [Serbia] (et); [Serbia] (es); [Servië] (nl); [セルビア] (ja)

Geo Space:
null; null

Part of: [Serbia](#)

© Paid access - no re-use

View item at
[Alinari Archives](#)

Share

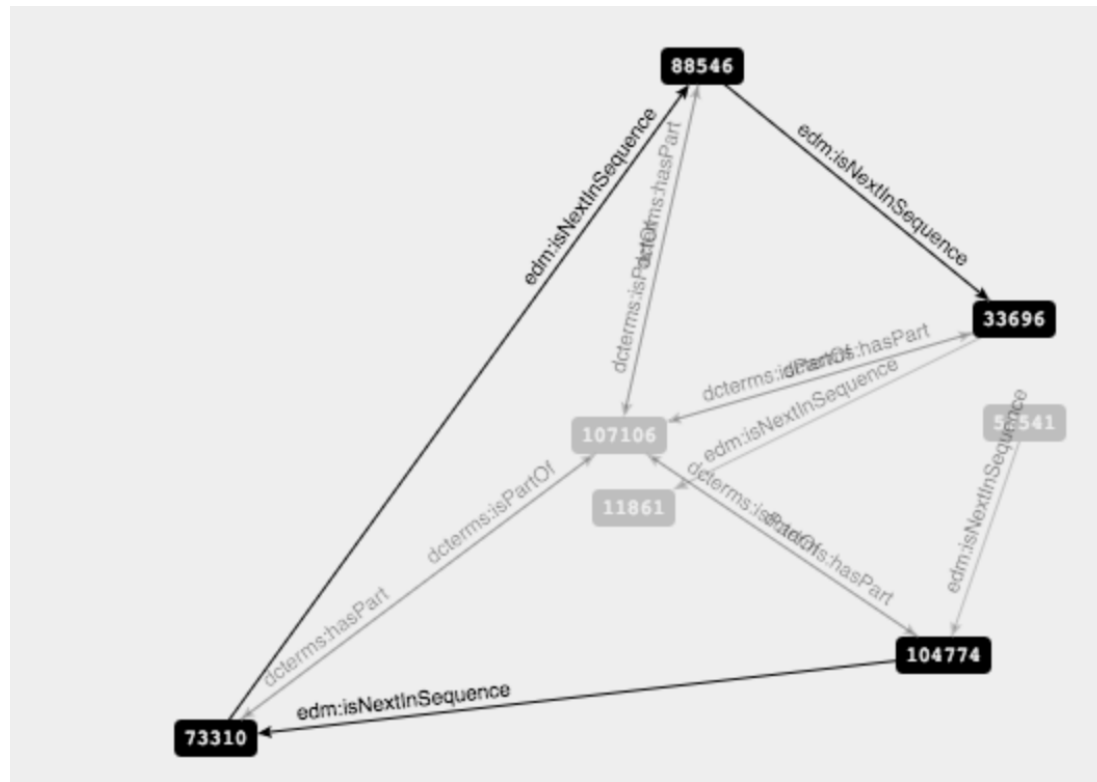
Cite on Wikipedia

Translate details

Select language ▾

Steps to get data ingested: enrich (hierarchies extraction)

- Hierarchical data (several objects within a dataset related to one another to reflect a hierarchy, e.g. a book and its chapters) is processed through our hierarchical objects plugin



Steps to get data ingested: hierarchical display



Public Domain marked

View item at
[Austrian National Library](#)

Share

Cite on Wikipedia

Translate details

Select language

Powered by Microsoft® Translator

Wiener Zeitung - 1855-10-19

Geographic coverage:

[Vienna](#)

Latitude: 48.2082; Longitude: 16.37169

Date:

[1855](#); Part of: [3 quarter of the 19th century](#); From: 01-01-1855 — To: 31-12-1855

Publication date:

1855-10-19

Type:

[newspapers](#); [newspaper](#); [Newspaper Issue](#); [Analytic serial](#)

Format:

Pages: 28

Subject:

<http://d-nb.info/gnd/4067510-5>

Identifier:

oai:fue.onb.at:EuropeanaNewspapers_Delivery_1:ONB_00001/1855/ONB_00001_18551019.zip

Is part of:

<http://data.theeuropeanlibrary.org/BibliographicResource/3000052917527>; <http://data.theeuropeanlibrary.org/Collect/a0600>; Europeana Newspapers

Next in sequence:

<http://data.theeuropeanlibrary.org/BibliographicResource/3000051850403>

















Language:

Deutsch

Steps to get data ingested: hierarchical display

Related items:

[Wiener Zeitung](#) (29018)

- ↑ [view items above](#)
- 21778. [Wiener Zeitung](#) - 1855-10-19 
 - 21779. [Wiener Zeitung](#) - 1855-10-20 
 - 21780. [Wiener Zeitung](#) - 1855-10-21 
 - 21781. [Wiener Zeitung](#) - 1855-10-22 
 - 21782. [Wiener Zeitung](#) - 1855-10-23 
 - 21783. [Wiener Zeitung](#) - 1855-10-24 
 - 21784. [Wiener Zeitung](#) - 1855-10-25 
 - 21785. [Wiener Zeitung](#) - 1855-10-26 
 - 21786. [Wiener Zeitung](#) - 1855-10-27 
 - 21787. [Wiener Zeitung](#) - 1855-10-28 
 - 21788. [Wiener Zeitung](#) - 1855-10-29 
 - 21789. [Wiener Zeitung](#) - 1855-10-30 
 - 21790. [Wiener Zeitung](#) - 1855-10-31 
 - 21791. [Wiener Zeitung](#) - 1855-11-01 
 - 21792. [Wiener Zeitung](#) - 1855-11-02 
 - 21793. [Wiener Zeitung](#) - 1855-11-03 
- ↓ [view items below](#)



Steps to get data ingested: publish

Data ready!

Publication goes live on the
Europeana portal and API



Steps to get data ingested: publish

Search ▾

.

Results per page: 24 ▾

Results 1 - 24 of 39,276,880



Context information:

Rijksfotoarchief: ... 



Context information:

Rijksfotoarchief: ... 



Context information:

Rijksfotoarchief: ... 



Steps to get data ingested: publish

<http://europeana.eu/portal/newcontent.html>

New Content

Explore the newest content on Europeana. This page links you to the latest contributions from our partner museums, archives, libraries and audio-visual collections.

Last update: Jan 15th 2015

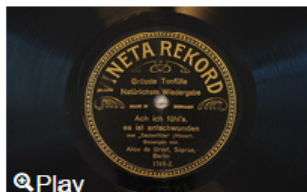
| Provider / Data Provider |
|--|
| New content |
| Bavarian State Library |
| Österreichische Nationalbibliothek - Austrian National Library |
| SAN - Sistema Archivistico Nazionale |
| Nederlands Instituut voor Militaire Historie |
| National Library of Denmark |
| National Library of Wales |
| Botanic Garden and Botanical Museum Berlin-Dahlem |



Happy ingestion :-)

- The data is represented according to expectations for both sides
- Users can search and retrieve rich content:
 - Developers can make the best use of the API
 - Objects are clicked through and re-used from the Europeana portal





© Free access - no re-use

View item at
[Sächsische Landesbibliothek - Staats- und Universitätsbibliothek Dresden](#)



Share



Cite on Wikipedia



Translate details

Select language ▼

Powered by **Microsoft**® Translator

Die Zauberflöte / Auswahl

Description:

Ach ich fühl's, es ist verschwunden : aus "Zauberflöte" / (Mozart), Die Zauberflöte / Auswahl

Creator:

[Mozart, Wolfgang Amadeus](#); [Greet, Alice de](#)

Contributor:

[Mozart, Wolfgang Amadeus](#); [Greet, Alice de](#)

Coverage:

[Dresden](#)(Dresden); <http://en.wikipedia.org/wiki/Dresden>; [Dresden](#)(Drezden, Dre?den, Dresde, Drezno, Stadt Dresden, State Capital Dresden, Dr??d'any, K?nigliche Haupt- und Residenzstadt Dresden, Drezdzany, Haupt- und Residenzstadt Dresden, Landeshauptstadt Dresden); Same as:

- (DE-588b)37172-5
- (DE-588b)5556921-3
- (DE-588)37172-5
- (DE-588c)4012995-0
- 4012995-0
- <http://sws.geonames.org/2935022>

Geographic coverage:

[Dresden](#)(Drezden, Dre?den, Dresde, Drezno, Stadt Dresden, State Capital Dresden, Dr??d'any, K?nigliche Haupt- und Residenzstadt Dresden, Drezdzany, Haupt- und Residenzstadt Dresden, Landeshauptstadt Dresden); Same as:

- (DE-588b)37172-5
- (DE-588b)5556921-3
- (DE-588)37172-5
- (DE-588c)4012995-0
- 4012995-0
- <http://sws.geonames.org/2935022>

Latitude: 51.05089; Longitude: 13.73832

Subject:

[Schellackplatte](#); [Oper](#)

Identifier:

<http://mediathek.slub-dresden.de/ton70913451.html>

Language:

Schellackplatte Oper

Data provider:

[Sächsische Landesbibliothek - Staats- und Universitätsbibliothek Dresden](#)

Provider:

[Deutsche Digitale Bibliothek](#)

Providing country:

Germany

→ Guidance and help

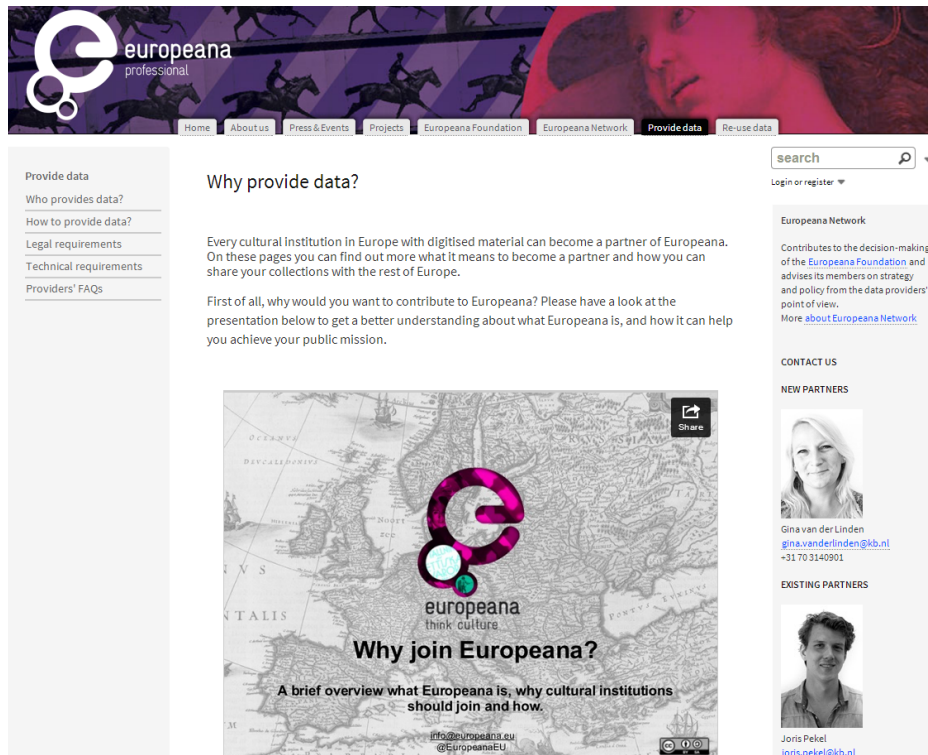


Guidance and help

Europeana Professional:

<http://pro.europeana.eu/provide-data>

Content inbox – for all ingestion & metadata related matters
content@europeana.eu



europeana professional

Home About us Press & Events Projects Europeana Foundation Europeana Network Provide data Re-use data

search

Login or register

Provide data

Who provides data?

How to provide data?

Legal requirements

Technical requirements

Providers' FAQs

Why provide data?

Every cultural institution in Europe with digitised material can become a partner of Europeana. On these pages you can find out more what it means to become a partner and how you can share your collections with the rest of Europe.

First of all, why would you want to contribute to Europeana? Please have a look at the presentation below to get a better understanding about what Europeana is, and how it can help you achieve your public mission.

Why join Europeana?


A brief overview what Europeana is, why cultural institutions should join and how.

Europeana Network


Contributes to the decision-making of the [Europeana Foundation](#) and advises its members on strategy and policy from the data providers' point of view. [More about Europeana Network](#)

CONTACT US

NEW PARTNERS


Gina van der Linden
gina.vanderlinden@kb.nl
+31 70 3140901

EXISTING PARTNERS


Joris Pekel
joris.pekel@kb.nl

Questions?





europæana
think culture

Thank you!

Cécile Devarenne

cecile.devarenne@europæana.eu or content@europæana.eu

