

EFG – The European Film Gateway

EFG Data Provider Handbook

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Terms and Definitions

Term	Definition
Audio Preview	Short, lower resolution extract of audio content.
Authority Data	Unique records of film works, persons, corporations or other kinds of data that are managed within the databases of the archives contributing to EFG.
AFM - Authority File Manager	A tool that allows to create unique records for persons and film works in the EFG Information Space.
Content	The digital objects that can be accessed through Metadata. Content is typically held on the Data Providers' sites or made accessible through other repositories and aggregating systems.
Data	Catch-all term including Metadata, links to Thumbnails, links to Moving Image Previews.
Data Provider	Organisation that submits Data to EFG Portal.
Data Cleaning	The process which the archive should carry out while checking data in their local databases for e.g. spelling mistakes and doublets.
Data Enrichment	The process in which the archives provide additional metadata to their records that are necessary for EFG
DBMS	Data Base Management System
EFG Authority Data	Unique records of persons and film works created after the ingestion in the EFG Information Space.
EFG Metadata Schema	defines all elements and relationships of the EFG Database. The schema for (meta)data representation defined by EFG.
EFG Data	The semantically enriched and merged Data, accessible via the EFG Portal, based on Data from Data Providers.
EFG Information Space	Part of the technical EFG infrastructure in which metadata from EFG Data Providers are collected, managed and formatted into the EFG Metadata Schema. The common EFG database is part of the EFG Information Space.
EFG Portal	The website, its data and its machine and user interfaces available under www.europeanfilmgateway.eu .
Europeana.eu	The Europeana website, its Data and machine interfaces.
Limbo	The Storage sub-component where (meta)data are stored before being "checked and approved" by data curators
Metadata	Metadata is information about Content, describing its characteristics to aid in its identification, discovery, interpretation and management. Metadata is delivered to EFG and drives the discovery of Content held at the Data Provider's site. Metadata are usually facts or fact like information containing little individual artistic/creative expression. Examples: Bibliographic or filmographic data, temporary and spatial data.

MET - Metadata Editor Tool	A tool that allows to add, edit and delete records as well as to establish relevant relationships in the EFG Information Space.
Moving Image Preview	Short, low resolution extracts of moving image content. Can be as short as one frame and functionally equivalent to a Thumbnail.
OAI-PMH	Open Archive Initiative - Protocol for Metadata Harvesting
Preview	General Term including Thumbnail and Moving Image Preview.
Storage	The EFG system component which implements the Limbo, Object Store, Data Curation, Authority File Control & Metadata Editor Services
Thumbnail	Smaller, low resolution version of still image Content or a low resolution still of moving image Content.
URI	Uniform Resource Identifier, URLs (Uniform Resource Locators) are URIs.

1 Introduction

EFG – The European Film Gateway gives access to digital cultural heritage from Europe's film archives and cinémathèques. The project EFG, funded under the European Union's eContent^{plus} Programme, developed a portal europeanfilmgateway.eu which is a single access point held in European film institutions. This unique collection includes photos, posters, film set drawings, newsreels, feature and short films as well as various text documents such as film programmes and censorship documents. In order to increase the number of digital objects that can be accessed by our users we welcome all contributions from film institutions across Europe. EFG is interested in a broad variety of digitized archival material and especially in moving images. EFG is linked to Europeana. By contributing to EFG, film archives also deliver their metadata and content to the Europeana portal europeana.eu which makes Europe's diverse cultural heritage available to a wider public via a single access point. As an aggregator for Europeana, EFG is in this context responsible for the film archival domain.

This handbook provides all necessary information for film institutions that wish to contribute their data (metadata and links to previews) to EFG. The digital objects remain on the websites of the individual institutions. This handbook basically consists of three parts. The first part gives general information on how film archives can become data providers for EFG as well as an overview of the data ingestion process. So, if you are just looking for some basic information please refer to chapters 2 and 3:

- Chapter 2: Benefits for EFG Data Providers
- Chapter 3: General Information on Submitting Data to EFG

The second part provides specific guidelines on how film archives can prepare and deliver their data to EFG. These information can be found in chapters 3 and 4:

- Chapter 4: Preparing Data for EFG
- Chapter 5: Establishing and Delivering XML Exports for EFG

The appendix contains an overview of the most important metadata EFG welcomes to be contributed. It shows examples of how metadata are stored in the common EFG database and how they are displayed in the EFG and Europeana portal:

- Appendix I: Preparing Metadata for EFG XML Exports
- Appendix II: Export Samples from EFG to Europeana (ESE format)

We recommend to read the following documents in conjunction with this handbook (available here: http://www.efgproject.eu/guidelines_and_standards.php):

- EFG Metadata Schema: a) Textual version, b) Tabular overview, c) XSD file
- EFG Vocabularies: Part 1) Value lists and types for EFG data elements, Part 2) Types for semantic relationships
- OAI-PMH Guidelines

For any questions or feedback please do not hesitate to contact Deutsches Filminstitut (DIF):

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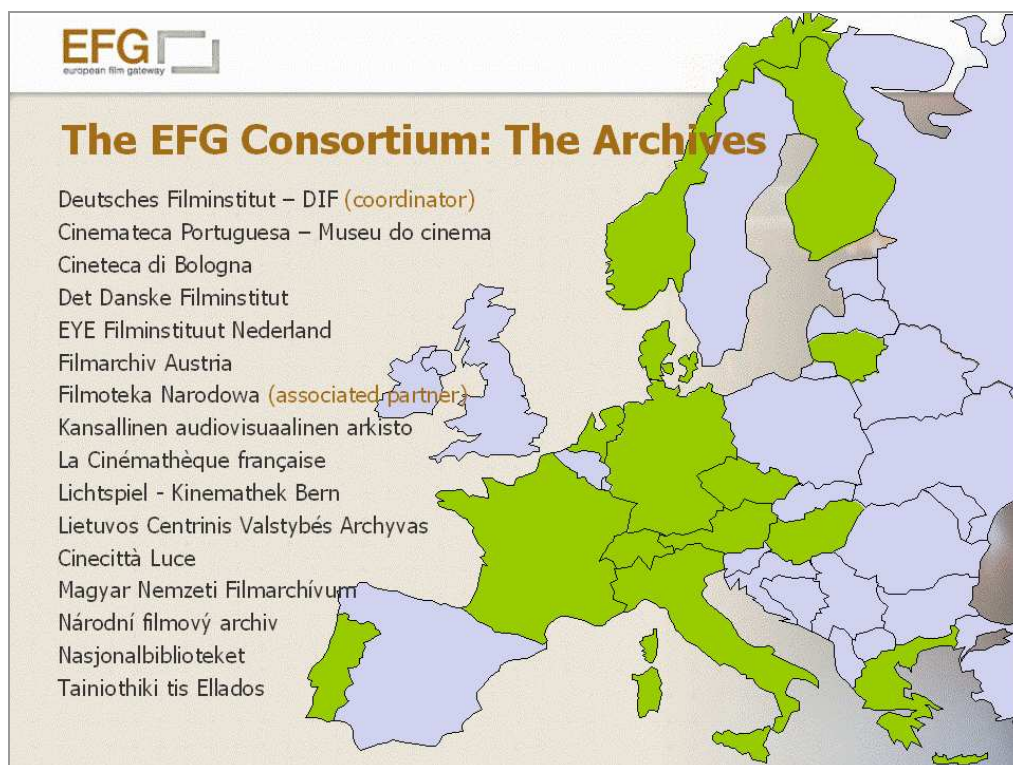
+49 (0) 69 961 220 – 701

2 Benefits for EFG Data Providers

By contributing metadata and links to your digital collections to the EFG portal you become part of the EFG and Europeana network. The benefits of joining EFG and Europeana are:

- Attract visitors to your website and make your content accessible to a wider public. EFG gives visibility to film institutions' collections by driving traffic to their sites.
- Contribute to the aim of increasing online access to the cultural heritage held in Europe's film archives.
- Sharing knowledge, experiences and ideas about IPR, data quality and semantic interoperability as well as technical interoperability issues with practitioners from Europe's film archives, information specialists and experts from the wider Europeana network.
- Take part in workshops, seminars, conferences offered by the EFG and Europeana projects
- EFG and Europeana enrich your users' experience by helping them to find not only your collections but also related information held in other countries, or in other formats. Your content gains from association with linked material.

The figure hereunder illustrates from which parts of Europe the archival partners of the EFG network come.



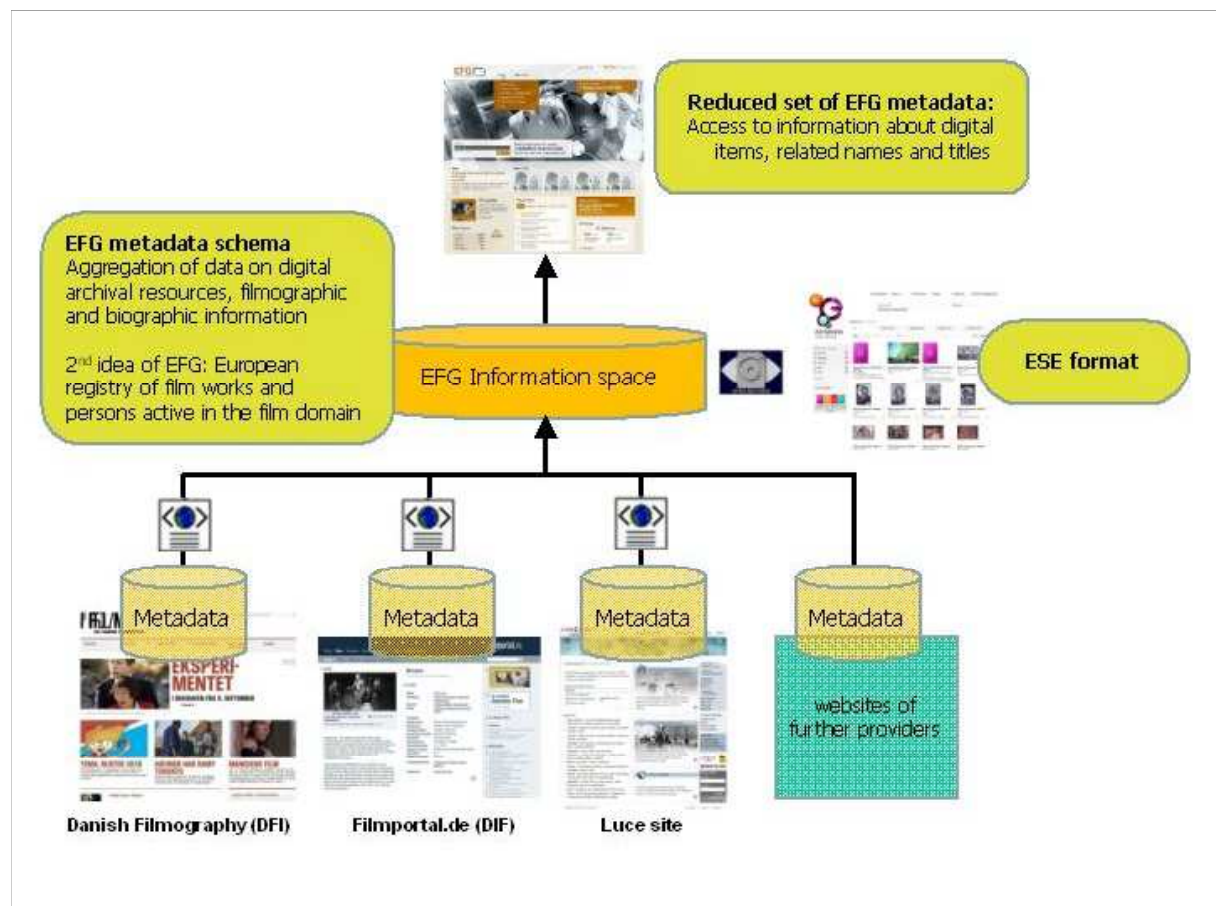
Archives of the EFG Consortium (status: May 2011)

3 General information on submitting data to EFG

3.1 Introduction

The following section provides an overview of how data are submitted and ingested into EFG and Europeana. It furthermore contains an introduction to the tasks Data Providers have to carry out within this process. Specific guidelines and manuals can be found in chapters *4 Preparing data for EFG* and *5 Establishing and delivering XML exports to EFG*.

EFG welcomes to collect all kinds of data film archives are managing in their local databases. As can be seen in the following figure, these metadata are federated in the EFG Information Space which consists of the common database and some software services. Archives submitting metadata to EFG deliver them via XML exports or OAI-PMH harvesting. EFG only ingests and indexes institutions' metadata while digital objects remain on the website of the individual institutions. The collected or "aggregated" metadata (data on digital resources, links to previews and thumbnails, filmographic and biographic information) serve for several purposes. A reduced set of the collected metadata is displayed in the portal (www.europeanfilmgateway.eu). Displayed are only information about the digital objects themselves as well as names and titles related to them. The second idea of EFG is to lay the groundwork for a common European registry of film works, persons and corporations active in the film domain. Therefore, the EFG metadata schema of the common database can store nearly all kinds of information that can be found in film archival databases. Another main purpose is that the collected metadata are converted and forwarded to the Europeana portal in the "Europeana Semantic Elements" format.



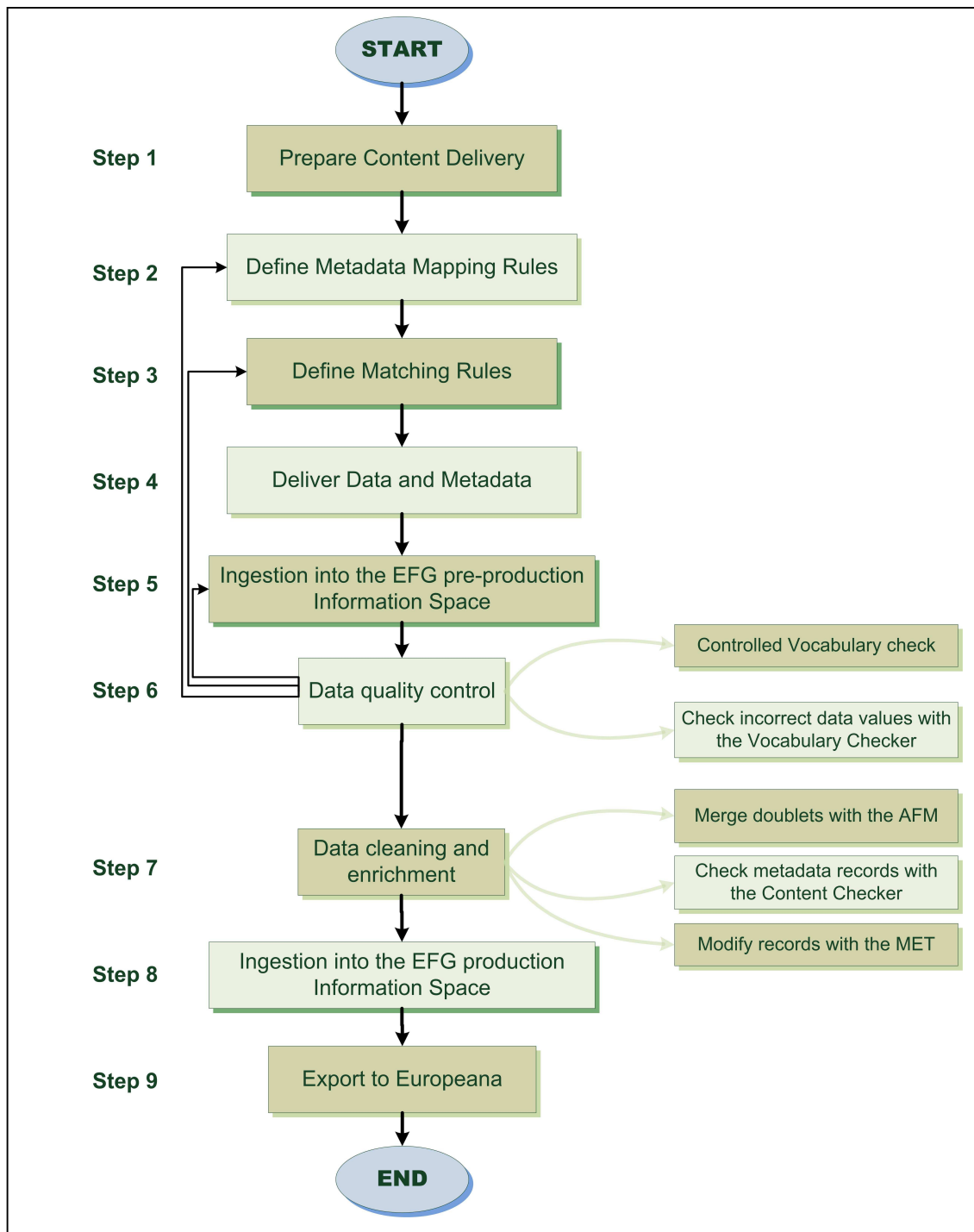
EFG Aggregation Aims

3.2 Partner Application Form

Before an institution can contribute its metadata to EFG it has to complete the Application Form provided by the Deutsches Filminstitut. In this form the institution gives short information on the contributions it wants to make (type of content, quantity, collection description, rights information, etc.). Deutsches Filminstitut together with the EFG consortium partners evaluate the indications made in the Application Form and decide on the appropriate next steps. The interested institution receives feedback from Deutsches Filminstitut within eight weeks. Once the institution has been approved for data ingestion into EFG it will have to sign the Data Provider Agreement and Terms of Service Agreement.

3.3 Overview of the Data Ingestion Process

The next figure provides an overview of the entire ingestion process. The workflow is introduced with a synthetic schema whose steps evidence the actors, the type of data provided and the possible format used as well as the support and tools supplied to implement those activities. The different steps of the ingestion process are described under the following figure and define not only the ingestion process adopted for the EFG partner archives, but also the workflow for new contributors:



The EFG Data Ingestion Process

Step 1: Prepare Content Delivery

Deutsches Filminstitut (DIF) and the Data Provider (DP) define the type of data and metadata to be exported, the scheduling of the exports, and the overall procedure to be followed.

Step 2: Define Metadata Mapping Rules

The DP and DIF prepare a document which specifies how each native metadata element must be mapped into the EFG metadata schema. The mapping rules are passed to ISTI-CNR who verifies

them for a preliminary control of their conformance to the EFG metadata schema. It is possible that the checking of the mapping rules requires their revision and direct interaction between DP, DIF and ISTI-CNR. ISTI-CNR provides an import filter which performs the actual conversion of the native metadata structure into the EFG metadata schema. This process is subject to several cycles, in order to achieve the best quality of the conversion process.

Step 3: Define Matching Rules

This process aims at defining the rules to convert the metadata values used by each DP into the values accepted by EFG controlled vocabularies. This work is co-ordinated by the Danish Film Institute (DFI). The Data Provider, with the support of DFI, prepare the matching tables which define how the values from the individual archive shall be transformed into the controlled EFG vocabularies. Guidelines for the vocabulary matching work can be found in chapter *4.5 Establishing Vocabulary Matchings* of this handbook.

Step 4: Deliver Data and Metadata in the Appropriate Format

The DP delivers the exports either as XML files or through an OAI-PMH harvesting. CNR-ISTI receives the data and metadata.

Step 5: Data Ingestion into the EFG Pre-Production Information Space

CNR-ISTI ingests the (meta)data into the EFG pre-production Information Space. The ingestion requires that the import filter(s) for the specific metadata is/(are) applied. It also requires that thumbnails for image and text items, if not provided, are automatically generated from the source data.

Step 5: Perform Data Quality Control

The matching tables established in step 3 are passed to ISTI-CNR in order to initiate the controlled vocabulary check on the ingested metadata values through a preliminary automatic conversion of the metadata values according to the matching rules. Incorrect records and incorrect element values can be viewed through the Vocabulary Checker Tool. Once the ingestion has been completed, ISTI-CNR reports that the data are available in the EFG pre-production Information Space. The new data, which are not available to end users through the EFG Portal at this stage, can be viewed through a tool specifically developed for EFG: the EFG Content Checker Tool. With the help of this tool, DIF and the DP check if data were properly ingested into the EFG pre-production Information Space. Problems are immediately reported to ISTI-CNR. In addition to this, DP and DIF check the quality of the converted values with the Vocabulary Checker Tool. This tool allows to verify all metadata records containing elements that do not conform to the EFG controlled vocabularies. If an error is identified, DIF arranges the revision of the Mapping or Matching Rules. In this case the procedure is iterated starting from step 2 or to step 3.

Step 6: Data Cleaning and Enrichment

As soon as metadata mapping and cleaning is completed, the final data cleaning and enrichment is performed manually by the contributing institution. The Data Provider can use the Metadata Editor to correct the metadata values and to enrich the metadata manually. The Authority File Manager Tool can be used to identify and correct possible duplications of Persons and Film Works.

Step 7: Data Ingestion into the EFG Information Space

When the data enrichment and cleaning process is completed, the DP approves the export of its data from the pre-production Information Space into the production Information Space. From this moment the data become visible in the EFG portal and can also be exported to Europeana.

Step 8: Export from EFG to Europeana

The export of data from EFG to Europeana is implemented by ISTI-CNR conforming to the rules defined in the Europeana Data Provider Handbook¹ [EAH2010]. It is performed through the OAI-Publishing Service. This service transforms the EFG records into ESE records, and supports OAI harvesting on demand.

During the export the EFG Data are being transformed into the set of Europeana Semantic Elements², which is the XML format currently used by Europeana v1.0. By using ESE the EFG aggregator functions as a kind of "filter" through which a certain set of data elements from the EFG Data Provider is forwarded. Through ESE only data directly related to the digital objects (i.e. content) are being transferred to Europeana and not extensive filmographic data. For an example how records from EFG Providers are being delivered to Europeana please refer to 8 APPENDIX II – Export Samples from EFG to Europeana (ESE Format).

Note: DIF will only forward Metadata and Previews to Europeana provided that the contributing institution has signed the Europeana Data Exchange Agreement (DEA). The data will be delivered only in the Europeana Semantic Element (ESE) format to Europeana. The provision of more extensive filmographic metadata, which will be possible once the new Europeana Data Model (EDM) has been implemented by Europeana, is not regulated in this workflow. Since ESE is a integrated part of EDM, the data provided by EFG in the ESE format will remain accessible through Europeana.eu also after the implementation of the new Europeana Data Model.

Deutsches Filminstitut informs the Data Provider once its data have been published in the Europeana portal (<http://www.europeana.eu>). The Provider should perform a check and report to the Deutsches Filminstitut if he encounters any problems on his data.

During the ingestion process, the Data Provider closely interacts with Deutsches Filminstitut which is responsible for:

- the assessment of the Application Form
- the signing of the contractual agreements (DPA and ToSA)
- the assistance of the new provider the ingestion process
- the writing of the mapping rules
- the quality check of the mappings and matchings in the internal EFG database (pre-production environment).

The technology partner ISTI-CNR is responsible for:

- the ingestion of the provided data
- the export of the data from EFG to Europeana.

¹ URL to the Europeana Data Provider Handbook: <http://www.version1.europeana.eu/web/guest/technical-requirements/>

² ESE is a Dublin Core based set of database fields introducing 12 additional elements. For further information please refer to Europeana ESE guidelines: <http://www.version1.europeana.eu/web/guest/technical-requirements/>

The Data Provider is responsible for:

- the completion of the Application Form.
- the approval and signing of the contractual agreements DPA and ToSA.
- the approval of the submission method, mapping and matching to be implemented.
- the setup of the submission infrastructure and methods on his site.
- the delivery of the data sets according to the Accession Form.
- the drafting of a vocabulary matching.
- the approval for the correct representation of his data sets in the EFG and Europeana portal.

3.4 Data Submission and Ingestion: Tasks for Data Providers

This chapter describes the activities that should be performed by the Data Providers to prepare and ingest their data into EFG in more detail. DIF submits a proposal for the submission method, mapping and matching to be implemented to the DP. This proposal must be validated by the DP. The following resources are available to define and validate the mapping to the EFG metadata schema which are available in the guidelines & standards section of the EFG project website (URL: http://www.efgproject.eu/guidelines_and_standards.php):

- Textual version of the EFG metadata schema
- Tabular overview of the EFG metadata schema
- XSD representation of the EFG metadata schema

Data Providers “prepare” their data for the submission. This means that they compile relevant fields from their databases they are going to deliver to EFG into an XML export. Furthermore, they can clean and enrich their data in their local database / repository. These activities are being guided by the Deutsches Filminstitut and the Danish Filminstitute. For respective guidelines please refer to chapter 4 *Preparing data for EFG* of this handbook. At the same time, the DP sets up and/or configures the data submission infrastructure (in case of OAI-PMH: populate the repository, divide data into sets, etc.).

After the ingestion the DP can use the EFG Vocabulary Checker and the EFG Content Checker (two different web tools) to check the quality of its data:

- **The EFG Vocabulary Checker** allows the detection of errors due to the misuse of vocabulary terms.
- **The EFG Content Checker** allows the validation of mappings against the EFG schema, and the execution of the typical operations performed by the EFG portal so that the search, browse and display of the data in a “pre-production” environment can be tested.

More information on and access to the EFG backend tools will be provided to the DP by the Deutsches Filminstitut timely after the ingestion.

The DP is responsible for making the following data available to EFG (minimum requirements):

- Metadata describing a digital object.
- The link to a moving image preview or a thumbnail of the described object. It is mandatory to provide an image thumbnail for video items. For text and image items thumbnails can be automatically generated within EFG.

- Persistent identifiers - active and stable links to the described digital object on the provider's site. If possible, the DP should provide two kinds of links: `IsShownAt` (digital object embedded in the local website) and `IsShownBy` (direct link to the digital object). Delivering one of these links is mandatory.

EFG prefers the following file formats for digital objects. However, other formats are possible to be submitted and to be agreed upon with Deutsches Filminstitut.:

- Image: jpg
- Text document: pdf, pdf/a
- Video / moving image: wmv, flv

For more information please refer to EFG's "Guidelines for digitisation, digital storage and retrieval":

http://www.efgproject.eu/downloads/D4-3_Guidelines%20for%20digitization_20091030.pdf

3.4.1 Thumbnails

EFG recommends the submission of a representative thumbnail image for each provided moving image. If possible, the DP should provide the URL of an existing thumbnail for each digital object which will be stored in the `<efg:thumbnail>` element. In case a thumbnail for image or text items is not provided by the archives, it is automatically generated with the help of the software "ImageMagick" (ImageMagick) which uses the object link provided in the `<efg:isShownBy>` element of the EFG Schema. Links to thumbnails of moving images must be delivered by the DP.

Not all image formats are suitable for this process. The software "ImageMagick" used by EFG does not support every format (e.g. MS Word) and EFG accepts only standardized file formats for digital objects that can be accessed by most end users. In case a thumbnail cannot be generated by EFG, a default icon is used. Direct access (`IsShownBy`) to the image is needed to carry out this process. An image embedded in a web page (`IsShownAt`) is not suitable for automatic thumbnail generation. The EFG Portal uses image thumbnails of the following sizes:

- a small version of 96px in height for the search result list
- a bigger version of 250px in height for the detailed result screen.

The following rules apply:

- 1) EFG does not generate thumbnails for moving images. These thumbnails have to be delivered by the Provider in the element `<efg:thumbnail>` of the EFG record.
- 2) If a record contains several pages, for example a PDF file, the front page is used to create the thumbnail.
- 3) If a record contains several image files, EFG creates one thumbnail for each element.
- 4) If no suitable thumbnail can be obtained, a default replacement icon is used.

3.4.2 Persistent Identifiers

The persistent link to a digital object and/or to a digital object embedded in the local website should be given as a URI. If the link to a stand-alone object is not possible, a link to the object in a full information context can be provided. An example for this is an image embedded in the local web page as can be seen here: *Screenshot 5: Digital object as viewed via the `Item.IsShownAt` link*. The digital object should be available for viewing after one click from the provided link.

3.4.3 Data Cleaning and Enrichment for EFG

In order to supply both, the EFG and Europeana portal with metadata of as high quality as possible, institutions can enrich and clean their data on two different levels:

- 1) The local level (inside the institutional databases)
- 2) The EFG level (after the ingestion into the common EFG database)

The former is performed by each Data Provider by using inhouse tools and techniques. Guidelines how partners can enrich and clean their data for EFG locally can be found *4.4 Local data enriching and cleaning* of this handbook.

After the ingestion cataloguing staff from the partner archives can clean and enrich their metadata records with the help of two EFG backend tools:

- ***Modify records with the Metadata Editor (MET)***
The Metadata Editor Tool allows to add, edit and delete records as well as to establish relevant relationships in the common EFG database. Archival users can modify all data they delivered on films, persons, corporations and digital objects. Furthermore, they can create new records directly in the EFG database.
- ***Merge double records with the Authority File Manager (AFM)***
After the ingestion of film work and person records from several archives many doublets of names and titles may occur in the common EFG database due to numerous European co-productions. The AFM helps archival users to detect possible doublets of person and film work records in the EFG database. They can use this tool to detect doublet records within their own contribution and merge actual doublets to unique “authoritative” records in their local databases. As a next step they should submit a new export to EFG containing the cleaned data. The AFM also allows to detect doublets of persons and film works records coming from different archives. However, merging doublet records is currently only possible on the local and not on the EFG level.

More information on and access to the EFG backend tools will be provided to the Data Provider by the Deutsches Filminstitut timely after the ingestion.

3.4.4 Approval to Publish Data in the EFG Portal

As soon as the Data Provider has completed the data cleaning and enrichment activities they give the final approval to publish their data. The entire metadata ingested for that specific DP is moved from the pre-production Information Space into the production Information Space. This activity does not require any specific processing of the data, it is only a change of the status from private (i.e. visible only by members of the EFG project) to public (i.e. visible through the EFG Portal by all users).

3.5 Legal Requirements

In order to make their data available through EFG and Europeana, Data Providers need to sign a Data Provider Agreement (DPA) and a Terms of Service Agreement (ToSA) with Deutsches Filminstitut. Both agreements were established by the EFG Executive Group. In short the agreements regulate the following issues:

- **Data Provider Agreement (DPA)**

Purpose of the EFG Data Provider Agreement (DPA) is to determine the rights and obligations of DIF when using the Metadata and Previews delivered by the content provider to EFG. Since Content is not delivered to the EFG Portal, the DPA only covers the use of Metadata and Previews. It does not regulate the provision of Metadata and Previews to Europeana. DIF will only deliver the content provider's Metadata and Previews to Europeana provided that the institution has signed the Europeana Data Exchange Agreement (DEA) (or any later final version of the DEA). If DIF forwards Metadata and/or Previews to Europeana, the rules to use such Metadata and/or Previews by Europeana are governed by the Europeana Data Exchange Agreement.

The DEA will include a clause which states that all metadata delivered to Europeana can be made re-usable without limitations for both for commercial and non-commercial purposes. Since content is not delivered to EFG Portal, the Europeana DEA only covers the use of metadata. Digital objects including thumbnails will not be affected. Europeana's envisaged "Open Linked Data" concept will have a major effect on the new Europeana DEA and as a result of that also on the EFG DPA3.

- **Terms of Service Agreement (ToSA)**

The ToSA covers the rights and obligations of DIF and the Data Providers. It describes and defines the service provided by Deutsches Filminstitut – DIF to ensure the operation and maintenance of the EFG system from 1 September 2011 on. Furthermore, it defines the costs and the time period for providing the service the contracting partners have agreed upon as well as the rights and responsibilities of DIF and the contracting partner.

For any questions regarding the DPA or the ToSA please contact Kerstin Herlt at Deutsches Filminstitut (Frankfurt am Main): herlt@deutsches-filminstitut.de.

4 Preparing data for EFG

4.1 Introduction

This chapter shall help Data Providers to compile their local metadata for their XML exports which will be ingested into the common EFG database. Due to the complexity of the EFG metadata schema these guidelines do not present all metadata elements (a.k.a. database fields) for which Data Providers can deliver metadata to EFG.

Chapter 7 *APPENDIX I – Preparing Metadata for EFG XML Exports* gives an overview of the metadata which are most important for the EFG database. These are the metadata that will be displayed in the web portal as well as those that will be stored in EFG's person and film work records. Metadata from the according fields (elements) in your local database(s) are highly relevant for EFG. Please provide metadata for these elements in your XML export(s) whenever possible!

³ Further reading: EDM (Europeana Data Model) primer by Stefan Gradmann: <http://bit.ly/EMPrimer>, Linked Data W3C Use Cases: <http://www.w3.org/2005/Incubator/ld/wiki/UseCases>

It is highly appreciated that you deliver as many metadata as possible to enrich the common EFG database. The metadata not displayed in the portal will be stored in the background and serve for other purposes – for instance to lay the groundwork for a common European registry of film works, persons and corporations active in the film domain.

There are many ways how providers can prepare XML exports for EFG. We recommend to compile a list of local elements (database fields) which shall be contributed to EFG on the basis of these guidelines. As a next step providers can forward this list together with this handbook to the colleague from their IT-department in charge of the actual data extraction into XML exports. Please make sure that IT specialists also read chapter 5 *Establishing and delivering XML exports to EFG* which contains technical information on how to prepare the ingestion of metadata and content into EFG.

4.2 General recommendations

Please find here general recommendations you should consider when preparing your XML exports for EFG:

- 1) Please provide as many of your local elements as possible that can be mapped to an EFG metadata element. For a complete list of all EFG elements please read either the textual description or the tabular overview of the EFG metadata schema.
- 2) If it is difficult for you to decide whether an element is relevant for being transferred to EFG or not please think about how to meet the users' expectations in the best possible way. In these guidelines you find the most relevant elements for the EFG web portal together with XML examples.
- 3) It is mandatory to include the link to the actual digital file (in EFG called "Item") displayed on your web site for each digital object you are contributing. The corresponding EFG element for the direct link to your digital item is: `Item.IsShownBy`.
- 4) In addition to the previous point it is mandatory to deliver the following URLs - if your web site(s) contain such pages:
 - Link to the digital file (Item) displayed together with the descriptive metadata on your web site. The corresponding EFG element for this is: `Item.IsShownAt`.
 - Link to your film work page. Mostly content providers with filmographic databases display film work information on their web sites. The corresponding EFG element for this is: `AVCreation.ViewFilmography`.
 - Link to your person page containing biographical information. The corresponding EFG element for this is: `Agent.Person.ViewBiography`.

You find examples for each kind of link relevant for the EFG portal in the following . Please make sure that all links you are going to provide are persistent and do not change. If links change please inform the Deutsches Filminstitut – DIF immediately.

- 5) In case you are managing authority files in your database(s) please provide the authority data and descriptions of your digital objects (Items) in separate XML exports. Authority files contain all data describing persons, film works or corporations in one single "authoritative" record. The EFG

database will store the following types of authority files: film works, persons, corporate bodies, groups and events. Please use identifiers to connect your authority files with your records describing your digital objects. Further information contains chapter 7.7 *Source Identifiers*.

- 6) It might be the case that providers plan to deliver both authority files AND names or titles inside of records describing digital objects. An example is that an archive may create authority files only for important persons. In this case two kinds of XML exports are necessary:
 - one export where name and/or titles are included in the object records AND
 - one export containing the authority files and the IDs to the object records.
- 7) If you are contributing moving images please provide at least one title for the film work (AVCreation) or for the manifestation (AVManifestation) – even if this is not the original one.
- 8) If you deliver only object metadata records please make sure that they contain a title and/or a description.
- 9) In case your database does not distinguish between film works (AVCreation) and film copies (AVManifestation) please provide both kinds of data in one XML export.
- 10) Person exports shall contain all name types (e.g. preferred name, spelling variant) and activity types (e.g. director, actor, writer) that occur in your database(s).
- 11) In case you can deliver a collection name to which a certain item of your archive belongs to please include the information in the XML export(s).
- 12) Please note that all metadata examples presented in chapter 7 *APPENDIX I – Preparing Metadata for EFG XML Exports* are structured as in the future EFG database. You do not have to provide for this structure in your XML export(s).
- 13) Please provide all tags of your XML exports in English language.

4.3 How to Submit Rights Information

The EFG schema provides three data elements that can be used to give rights statements about digital objects and digital collections:

- **Rights status (Content):** In this field the Data Provider can indicate that their content is either “Copyright protected” or “Not copyright protected”. The right statement will be allocated to the the respective right statement used by Europeana as follows: “Copyright protected” (EFG) → “Rights reserved – free access” (Europeana), “Not copyright protected” (EFG) → “Public domain” (Europeana)⁴. These right statements become visible in the Europeana portal. The rights status field is controlled by vocabulary in the EFG database.

⁴ For further information about Europeana right statements refer to the Europeana Rights Guidelines: http://www.version1.europeana.eu/c/document_library/get_file?uuid=06e63d96-0358-4be8-9422-d63df3218510&groupId=10602

- **Rightsholder:** Here either the name of the rightsholder(s) or a general sentence about the copyright information for the digital items can be contributed. This field is a free-text field in the EFG database.
- **Rightsholder URL:** If available, the address of the rightsholder's website should be indicated here. This field is a free-text field in the EFG database.

Please note that the EFG rights elements deal only with copyright information of digital objects. The EFG database does not manage rights and obligations for the use of the metadata that Data Providers deliver to EFG and Europeana. These issues are regulated in the Data Provider Agreement (DPA). All metadata which are available through europeana.eu are freely accessible (unrestricted use).

4.4 Local data enriching and cleaning

4.4.1 Why Data Cleaning and Enrichment is Important for EFG

A major aim of EFG is to offer metadata in the best possible quality in the EFG and Europeana portal. This chapter contains recommendations how Data Providers can clean and enrich metadata they are contributing to EFG in their local cataloguing systems. These guidelines are optional for Data Providers that are not consortium partners of the EFG project. However, any cataloguing work for EFG according to the guidelines hereunder are highly appreciated. An advantage of these efforts is that also the individual institutions will benefit from the improved quality of their records.

4.4.2 General Recommendations

Whenever possible, we recommend to use existing vocabulary standards and cataloguing rules for references can be found in these guidelines. When doing this, you will make your data better interoperable also for other purposes and contexts than EFG. For instance, you can easier integrate your data into other digital library systems or (inter)national authority files and also, the data exchange with other institutional databases would be relieved when film archives apply common standards and rules. EFG's aim is to make a further step into this direction. Especially by using relevant parts of the CEN cinematographic work standard (EN:15907) for the EFG metadata schema⁵ and by applying existing standards for the EFG vocabulary lists the project has achieved this aim for the data in the common EFG database already. For further information about standardisation activities in the film archival domain please refer to the website: www.filmstandards.org. Our ambition is that the work by EFG and standardisation initiatives such as the FIAF Cataloguing and Documentation Commission have a sustainable impact on the cataloguing practises of the individual institutions.

For any field controlled by vocabularies in your local database you can refer to the EFG vocabulary lists which were defined for the EFG database. These lists are available in 13 European languages. Whenever possible, existing vocabulary standards were applied for the EFG vocabularies. If they are useful for your local cataloguing you are welcomed to apply them. The EFG vocabulary lists are available on the guidelines & standards page of the EFG project website: http://www.efgproject.eu/guidelines_and_standards.php. Please note that these vocabularies were compiled for end-users of the EFG portal. They do not meet specific requirements to index material held in film archives in-depthly. However, you probably find some of these lists useful for your local cataloguing needs.

⁵ URL to the EFG schema: http://www.efgproject.eu/guidelines_and_standards.php

For any free-text fields of your local database, especially for the indexing of agent names and film titles, we recommend to apply the rules issued by the FIAF Cataloguing and Documentation Commission: http://www.fiafnet.org/uk/commissions/com_cat_intro.cfm.

Furthermore, we recommend you to check whether there are any free-text fields which you clean up and for which you can define a controlled vocabulary list. In the framework of the EFG project several partners have done such cleaning work. For a list of fields that are useful to be controlled by vocabularies please refer to chapter 4.5.3 *EFG Vocabulary Lists (Value Lists, Validation Lists)*.

4.4.3 Digital Objects

When investing further work in cataloguing, please focus on the data fields presented in the tables hereunder. The data fields listed in them are ranked according to their importance for EFG. Please consider only the tables of the content you are going to deliver, e.g. if you only deliver moving images, then please use the first table as reference.

a) Video (meaning: film record with a digital moving image object) – Please enrich/insert/add metadata to your collection such as:

Data field	Remarks
Title	Original title, distribution title or any other title of the digital moving image. If possible, please apply the FIAF cataloguing rules for film titles.
Title type	Kind of the title, for instance “original title”, “distribution title”, “spelling variant”, “translated title”. For a list of possible values for the title types please refer to the list AVTitleType of the EFG vocabularies.
Language	Spoken language of the digital moving image. For a list of possible values for the title types please refer to the list Iso639-1LanguageCS and Iso639-2LanguageCS of the EFG vocabularies. For a list of different language types used in a moving image please refer to the EFG list LanguageUsage.
Related film title	Either the ID of the associated film work record(s) or the film title itself.
Related person	Either the ID of the associated person record or the person(s) name itself. Also, the function of the related person should be considered (a.k.a. cast & credits). For a list of possible type values for this relation between the film and the person please refer to the list AgentRelation of the EFG vocabularies (No II: Types for semantic relationships).
Country	Country or countries of origin. For a list of country codes refer to the EFG vocabulary lists Iso3166-1CountryCS or XPZ44-002HistoricCountryCS.
Year	Year(s) of production. For the syntax of the production year EFG recommends to use the convention of MARC 260 / subfield C.
Rights	Name of the rights holder or general information on the copyright of the digital object. If available, the URL to the homepage of the copyright holder should be added in a separate field. EFG provides two copyright statements for the status of your digital objects: “Copyright protected” or “Not copyright protected”. If possible please flag your material accordingly in a separate field.

Director	At least the name of the director of the film. Any other cast & credits entries are highly appreciated. For a list of cast & credits types please refer to the list AgentRelation of the of the EFG vocabularies (No II: Types for semantic relationships).
Related production company	Either the ID of the associated production company or the name of the company itself. If possible, the domicile of production company should be added in a separate field of the associated record.
Genre / Category	General category of the film (e.g. short film, feature) and/or its genre (e.g. crime, science fiction, documentary). For a list of categories please refer to the list "Form" of the EFG vocabularies.
Description	Adding a textual description (e.g. a synopsis, summary) will ensure that the films can be found in the EFG web portal. The users will enter keywords in the search field and will find the films through their descriptions. If possible, please provide descriptions in your local as well as in English language.
Keywords	In addition to the search through your descriptions also keywords will help users to find your films in the EFG portal. If possible, please provide keywords in your local as well as in English language.
Collection	If the moving image belongs to a special collection in your institution please enter the collection title.
Provenance	Organisation which owns or has custody of the item (analogue or born digital).
Colour	The colour information can be provided in any level of detail. In EFG this information will be reduced to a small set of values. Please refer to the vocabulary list "Colour".
Sound	The sound information can be provided in any level of detail. In EFG this information will be reduced to a small set of values (either "With sound", "Without sound" as indicated in the vocabulary list "Sound").
Runtime	At best, the duration of a film should be indicated by using ISO 8601 standard. The syntax can be summarized as follows: hh:mm:ss.

b) Image – Please enrich/insert/add metadata to your collection such as:

Data field	Remarks
Creator (of the image)	This can be the photographer, the poster designer etc.. For a list of functions you can refer to the EFG vocabulary AgentRelation (choose the filter NonAVCreation under Domain) of the EFG vocabularies (No II: Types for semantic relationships).
Rights	Name of the rights holder or general information on the copyright of the digital object. If available, the URL to the homepage of the copyright holder should be added in a separate field. EFG provides two copyright statements for the status of your digital objects: "Copyright protected" or "Not copyright protected". If possible please flag your material accordingly in a separate field.
Related film title	Either the ID of the associated film work record(s) or the film title itself.

Related Person	Either the ID of the associated person record or the person(s) name itself. Furthermore, the function of the person in relation to the image should be indicated. If possible, person names depicted on your images should be indexed in authority records which are linked to the respective image records.
Description	If possible, please add a short text describing what is actually displayed on the image. This can be the names of the displayed persons, a specification of the film title (e.g. "scene from Metropolis"), an object title or any other short description about the subject. If a person is depicted on an image please make sure that you provide the name either in the description field or as related authority record. Otherwise the image cannot be found under the person name. The description will enhance to find your images in EFG. If possible, Please provide descriptions in your local as well as in English language.
Specific type	Please indicate the type of the image as precisely as possible. Examples are: "distribution poster", "advertising poster", "film still", "portrait", etc.. For a list of these specific types please refer to the EFG vocabulary SpecificType.
Date	Date of creation or any other date associated to the image. For the syntax of date field entries EFG recommends to use ISO 8601.
Geographic Scope	Country or region in which the different versions of an image were used (e.g. country in which a distribution poster was exhibited).
Keywords	Keywords are useful that your images can be found in the EFG web search. This can be any terms describing the subject of the image. If possible, please provide keywords in your local as well as in English language.
Collection	If the image belongs to a special collection in your institution please enter the collection title.
Provenance	Organisation which owns or has custody of the item (analogue or born digital).

c) Text - Please enrich/insert/add metadata to your collection such as:

Data field	Remarks
Title	Title of the text document.
Other titles	Any other title of the text document. This can be an alternative title or a sub-title.
Creator	Please enter the name of the author(s) of the text or link the according authority record with the person's name and function to the text document record.
Rights	Name of the rights holder or general information on the copyright of the digital object. If available, the URL to the homepage of the copyright holder should be added in a separate field. EFG provides two copyright statements for the status of your digital objects: "Copyright protected" or "Not copyright protected". If possible please flag your material accordingly in a separate field.
Related film title	Either the ID of the associated film work record(s) or the name of the film title

	itself.
Related person	Either the ID of the associated person record or the person(s) name itself. For a list of functions for the associated person record you can refer to the EFG vocabulary AgentRelation (choose the filter NonAVCreation under Domain) of the EFG vocabularies (No II: Types for semantic relationships).
Description	If possible, please add a short description of the subject. If possible, please provide descriptions in your local as well as in English language.
Specific type	Please indicate the type of the textual document as precisely as possible. Examples are: "review", "manuscript", "article", "censorship card", etc. For a list of document types please refer to the EFG vocabulary SpecificType.
Date	A date or year associated to the text document. For the syntax of date field entries EFG recommends to use ISO 8601 (e.g. "YYYY", "YYYY-MM-DD").
Keywords	Keywords are useful that your images can be found in the EFG web search. This can be any terms describing the subject of the text document. If possible, please provide keywords in your local as well as in English language.
Collection	If the text document belongs to a special collection in your institution please enter the collection title.
Provenance	Organisation which owns or has custody of the item (analogue or born digital).

Text: Censorship Documents – Adding to the data fields listed above, please enrich/insert/add the following metadata:

Data field	Remarks
Date	Date of the censorship decision. For the syntax of date field entries EFG recommends to use ISO 8601 (e.g. "YYYY", "YYYY-MM-DD").
Certificate number	Identifier given on the censorship card.
Agency	Name of the agency that performed the censorship.
Verdict	Outcome of the censorship decision.
Regional Scope	Country or region in which the decision was valid.

d) Sound – Please enrich/insert/add metadata to your collection such as:

Data field	Remarks
Title	Title of the sound recording, e.g. "Statement by Winston Churchill (London 17 May 1945)".
Title Type	Kind of the title.
Related Film Title	Either the ID of the associated film work record(s) or the film title itself.
Related Person	Either the ID of the associated person record or the person(s) name itself.

Date	A date or year associated to the sound recording. For the syntax of date field entries EFG recommends to use ISO 8601 (e.g. "YYYY", "YYYY-MM-DD").
Rights	Name of the rights holder or general information on the copyright of the digital object. If available, the URL to the homepage of the copyright holder should be added in a separate field. EFG provides two copyright statements for the status of your digital objects: "Copyright protected" or "Not copyright protected". If possible please flag your material accordingly in a separate field.
Description	If possible, please add a short description text. Alternatively this can be the title. If possible, please provide descriptions in your local as well as in English language.
Specific type	Type of the sound recording, e.g. "speech".
Keywords	Keywords are useful that your sound files can be found in the EFG web search. This can be any terms describing its subject. If possible, please provide keywords in your local as well as in English language.
Collection	If the sound carrier belongs to a special collection in your institution please enter the collection title.
Provenance	Organisation which owns or has custody of the item (analogue or born digital).

4.4.4 Film Works and Persons

A second aim of EFG is to lay the groundwork for a common European registry of mainly film works and persons active in the film domain. This is a challenging task because information about the same person or film work in the common EFG database can come from several data sources due to numerous European co-productions. An example is that the Film Work record about the film "Hamlet" (Germany 1921; Director: Sven Gade, Heinz Schall) can be expected to come from the Danish National Filmography (DFI) and the German filmportal.de (DIF). Ideally, the entries from these two institutions should be merged under one unique "authoritative" record in the common EFG database. This is an activity which is not be carried out within EFG for the time being but with the Authority File Manager tool EFG has laid a cornerstone that this aim can be achieved in future.

For this reason we kindly ask providers to ensure that persons and film works records are already sufficiently indexed before their delivery to EFG. This will enhance the quality of the common filmographic database for which you can do the following:

- *Person Names:*
Check in your local database and make sure that there are no doublets and spelling mistakes.
- *Film Titles:*
Check in your local database and make sure that there are no doublets and spelling mistakes.

The way of doing this could be to ask your IT department or external database developer to make extract lists from your database pointing out which records are doublets and which records might have been spelled wrong.

This work is important because otherwise the persons and film work records in EFG are not reliable. The conclusion is: If you can, *correct all spellings mistakes in person names and film titles!*

Once the data have been integrated into the EFG database archival users can detect doublet records of persons and film works within their own contribution with the help of the Authority File Manager tool. List of possible doublets can be extracted in an excel file. A filmographer or cataloguer can then verify the actual doublets and merge them in the local cataloguing system. As a next step a new XML export containing the cleaned records should be supplied to EFG. The tool detects doublets of several archives' records but merging the actual doublets on the EFG level cannot be performed at this stage. More information and a manual about the Authority File Manager tool will be provided by to the archival user after the ingestion.

The Authority File Manager tool compares records automatically when it searches for possible doublets. Therefore, persons and film works records contributed by the archives should be properly catalogued or enriched with EFG relevant metadata. What the EFG relevant metadata for film works and person are can be seen in the following tables. Please note that for persons we concentrate on collecting extensive metadata on film-relevant persons in the common filmographic database. So, it is not necessary to provide for detailed metadata on persons which are for instance only depicted in a documentary or a newsreel (e.g. a sportsmen, contributor or politician). The elements highlighted in green in the tables below are used for the automatic comparison of two records in order to find doublets. The other field entries are important enrichments for the common filmographic database:

a) Film Works

Data field	Remarks
Title(s)	Original title, distribution title or any other title. If possible, please apply the FIAF cataloguing rules for film titles.
Title Type(s)	Kind of the title, for instance "Original title", "Distribution title", "Spelling variant", "Translated title". For a list of possible title types please refer to the EFG vocabulary list "AVTitleType".
Country	Production country or countries of origin. For a list of country codes refer to the EFG vocabulary lists Iso3166-1CountryCS or XPZ44-002HistoricCountryCS.
Director	Name of the director (at best provided in a person authority file that is linked to the film work record).
Year	Year of production. For the syntax of the production year EFG recommends to use the convention of MARC 260 / subfield C.
Genre / Category	e.g. "Feature film", "Documentary film", "Newsreel" etc. For a list of categories please refer to the list "Form" of the EFG vocabularies.
Filmography link	If available, the link to your local web page with the according film work entry.

b) Persons

Data field	Remarks
Name	All names under which the person is known. At best, all name parts should be indexed in separate fields (e.g. forename, last name, name prefix, name suffix).

	For a list of name part attributes you can refer to the EFG vocabulary list "PNameParts". The FIAF cataloguing rules recommend to use national or international standard rules for names (such as the Anglo-American Cataloguing Rules – AACR).
Name type	Type of name, for instance "Preferred name", "Official name", "Spelling variant", "Pseudonym". EFG uses the EAC vocabulary for name types which you find in the list "PNameType" of the EFG vocabularies.
Date of birth	For the syntax of date field entries EFG recommends to use ISO 8601 (e.g. "YYYY", "YYYY-MM-DD").
Date of death	For the syntax of date field entries EFG recommends to use ISO 8601 (e.g. "YYYY", "YYYY-MM-DD").
Sex	The EFG vocabulary list "PSexType" provides the values "Male", "Female" or "Unknown".
Function	The main activity or activities of the person such as "Actor", "Director", "Author" etc.. For a list of activity types please refer to the list "TypeOfActivity" in the EFG vocabulary list.
Place of birth	In EFG places are not controlled by vocabularies. A useful resource for the local cataloguing of places in the archives can be geonames: http://www.geonames.org/ .
Place of death	In EFG places are not controlled by vocabularies. A useful resource for the local cataloguing of places in the archives can be geonames: http://www.geonames.org/ .
Biography link	If available, the link to your local web page with the according person entry.

4.5 Establishing Vocabulary Matchings

4.5.1 Why Matching Work is Necessary in EFG

The core of this activity is to ensure that Providers' data will be displayed in the EFG and Europeana web portal in a homogenized way. For an example of uniformed vocabularies in the EFG portal please see example 2 of *Screenshot 2: Detail page for a Video* in the annex. Furthermore, the diverse archival data values should be displayed consistently in the common metadata schema. For this reason the different expressions of several database fields from the EFG Data Providers must be allocated to the values from the vocabulary lists that have been defined for EFG. Data Providers should establish a proposal on how their local expressions can be matched to the EFG vocabularies.

The table hereunder illustrates how several expressions occurring in the database field "colour" can be matched to the uniformed values "Black & White" and "Colour" in EFG.

Entry in database field	Appropriate term for EFG database taken from vocabulary list	Name of EFG vocabulary list
Black & White	Black & White	Colour
B/W	Black & White	Colour

sort-hvid	Black & White	Colour
EFXP.	Black & White	Colour
Farbe	Colour	Colour
Agfacolor	Colour	Colour
Farger	Colour	Colour

4.5.2 Matching Procedure in EFG

The procedure of matching the local database field entries to the EFG vocabularies consists of the following steps:

1) Transfer field entries into the matching table

Please transfer all entries of the database fields for which a matching is required in EFG into the matching table template that the Danish Filminstiut provides together with this document (column: "Source_Value"). The database fields that need to be matched are listed in section 4.5.3. There are two ways how you can transfer your database entries into the matching table:

- Ask the colleagues of your IT-department to extract the entries of the according database fields into an alphabetical list and copy this list into the matching table.
- If you have already established XML exports for EFG you can also use an HTML editor and transfer your database entries manually into a matching table. In this case please check each export separately to make sure that you don't miss a different expression. Chapter 4.5.4 provides a practical example how to do this.

It is highly important that you list all several expressions in the matching table even if there is just a blank, a spelling mistake or a slightly different spelling variant. For instance the following entries are all different: "colour" "color." "Colour".

We recommend you to choose the first option for the extraction as you then make sure that you really match all terms that occur in your database to the EFG vocabularies. If you choose the second option please check each time when you submit an updated XML export to EFG if your matching table lists all entries from the new export. In case you need support to make an automated extraction of your EFG XML exports please contact us. You will then receive a file with the extracted values.

2) Allocate appropriate EFG term to your local entry

As a second step please go to the respective EFG vocabulary list and choose the term to which you want to match your local entry. List the appropriate EFG term into the field "EFG_Term" and enter the vocabulary name in the field "Vocabulary_Name". In case you cannot find a term that fits to your local expression you have several options:

- Leave the field "EFG_Term" empty
- Look for a more broader or general term in the EFG vocabulary list
- Use the term "n/a"

In case there are several EFG terms that could fit to your local entry please use the most precise term as possible. In case codes exist in the EFG vocabulary list please use the code instead of the full term. For instance, please indicate "DE" instead of "Germany" in the field "EFG_Term".

3) Submit your matching proposal

Please send your matching proposal to:

- Francesca Schulze at Deutsches Filminstitut: f.schulze@deutsches-filminstitut.de and
- Uffe Smed at Danish Film Institute: uffes@dfi.dk.

We will review your proposal and agree upon the next steps with you.

4) Transforming your local values into EFG vocabulary terms

Once your matching is final the table will be ingested into EFG database by ISTI-CNR. The values of your contribution will be transformed to the according EFG vocabulary terms.

5) Check and correct your matching

You have the possibility to check whether the transformation from your local term to the EFG vocabulary term was performed correctly. Mistakes can happen, if a term was not included or not included correctly in the matching table. Already slight spelling mistakes can lead to a failure in a transformation of the local term. In the EFG XML file shown by the Vocabulary Checker tool the elements which contain invalid values are highlighted, so that the matching tables can be corrected accordingly. Access and further information to this tool will be provided to you timely after your data were ingested into EFG.

4.5.3 EFG Vocabulary Lists (Value Lists, Validation Lists)

The table hereunder provides an overview of the most common field entries that need to be matched for EFG. Please establish the matching for the database fields listed in the table hereunder - if these are part of your local database(s). Column 2 contains the name of the EFG vocabulary list that should be applied to match the expressions for the according fields.

Database field	EFG vocabulary list	Explanation	Example
Cast & Credits / Function	AgentRelation	An activity that describes the connection between a <i>film work</i> and a person / corporation / group. This can also be an activity that describes the relation between a <i>non-audiovisual</i> work and a person / corporation / group.	Actor Photographer
Type of Activity	ActivityType	The general activity or profession a person / corporation / group carries out. This <i>can but must not</i> be the same activity as an Agent's relation to a work.	Producer
Aspect ratio	AspectRatio	The ratio between width & height of the image.	1:1,85
Version (Video)	AVManifestationRelation	The version of the described film copy.	Original version
Title Type (Film work)	AVTitleType	Kind of the film work title.	Original title

Title Part (Film work)	AVTitleUnit	Single parts of a title in case of series or multi-part works.	Episode
Carrier Type	CarrierType	Carrier type of a film copy.	Positive
Colour	Colour		Black & White
Event Types	EventTypes	This list contains several events that can happen during the lifecycle of a film.	Premiere
Form / Category (Film work)	Form	A basic category for a film's original production. The category is different from a genre.	Feature
Gauge	Gauge		35 mm
Country	Iso3166-1CountryCS	The codes from this list shall be applied for all countries that are currently in existence. If you cannot find a code in this list please check the other country lists.	GB
Language	Iso639-1	For all languages the ISO standard shall be used in EFG. Please use the two letter code of this list and not the full language name for the matching.	en
Language	Iso639-2	The three letter codes from this list shall only be used when no two letter code can be applied from the Iso639-1list.	smi
Language Usage	LanguageUsage	The context in which the language is used.	Voice over
Region	MARC21_GeoAreasCS	The MARC Geographic Area Codes shall be applied for large areas and continents.	Europe
Title Type (Non-audiovisual work)	NonAVTitleType	Kind of the title of a non-audiovisual work (e.g. book, periodical, article).	Alternative title
Country (Historical)	Regions_LocallyDefined	This list contains historical countries and regions that have been defined without using a vocabulary standard.	CP
Sound	Sound	Sound systems shall be reduced to the indication if either a film <i>has sound</i> or <i>not</i> .	With sound
Document Type	SpecificType	The specific type of a non-audiovisual work.	Manuscript

Country (Historical)	XPZ44- 002HistoricCountryCS	This list contains countries and regions that do not existed anymore (e.g. East Germany). The countries listed here are not part of the ISO3166-1 vocabulary.	DDRRRA
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For a complete overview of all vocabularies applied in EFG please refer to the following documents which are available in the guidelines & standards section of the project website (http://www.efgproject.eu/guidelines_and_standards.php):

➤ **EFG vocabularies I: value lists and types for data elements**

This table contains the display terms defined for attributes of the EFG database. The English term is the target for the matching from a local value to an EFG term. Translations of the vocabulary terms were prepared by partner archives. These EFG display terms are available in 13 European languages. EFG display terms consider different genders where necessary. Each display term can have a different language and a different gender. The key between the matching tables and the EFG vocabulary lists are the EFG term and the Vocabulary name, which are stored in both files.

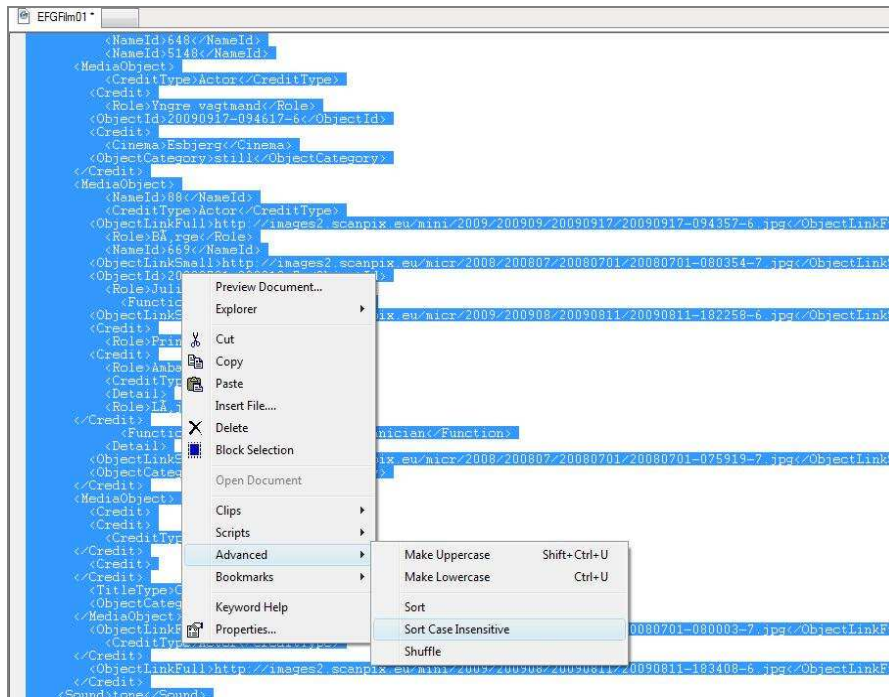
➤ **EFG vocabularies II: semantic relationship types**

This table contains the controlled terms EFG's semantic relationships. These terms describe the semantic relation between two entities, e.g. Film Work (entity 1) "Actor" (semantic relationship) Person (entity 2))

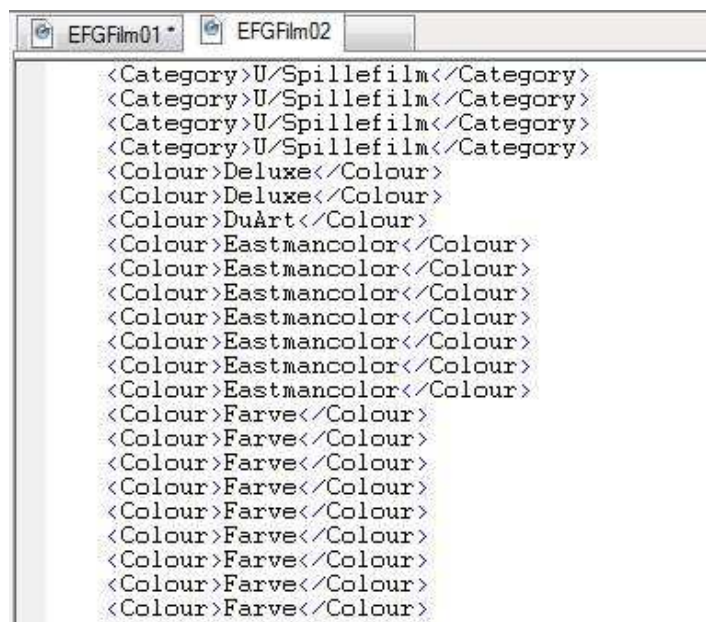
4.5.4 Matching Example

This is a practical example on how EFG providers can do the matching of the values from their local database to EFG. There are of course different ways of doing this but the example below is meant to inspire.

- 1) The first step is to locate the fields and values that have to be matched in your database or XML export. In this case we will look for **<Colour>**
- 2) Then you could open an XML editor (in this case SuperEdi) and choose *Select all* → *Advanced* → *Sort Case Insensitive*



3) Then your XML data will be sorted like this:



6) This gives you the opportunity to find all the values regarding e.g. **<Colour>** in your database / XML export. These values must be inserted in the matching table for EFG as you see in the example below:

Content_Provider	Source_Value	Language	EFG_Term	Vocabulary_Name
DIF	s/w	de	Black & White	Colour
DIF	(?) Eastmancolor	de	Colour	Colour
DIF	(?) Farbe	de	Colour	Colour
DIF	Agfacolor/Eastmancolor	de	Colour	Colour
DIF	Agfacolor/Fujicolor	de	Colour	Colour

DIF	Agfacolor+ Eastmancolor	de	Colour	Colour
DIF	1:1,66, Farbe + s/w	de	Colour & B/W	Colour
DIF	Agfacolor + s/w	de	Colour & B/W	Colour
DIF	0,672916667	de	n/a	Colour

- 7) To find out which of your local values concerning e.g. **<Colour>** can be matched to the common EFG values please read the scope notes in the according EFG vocabulary list as shown below.

Display Term	Scope Note
Black & White	Any film or other carrier which translates the colour values of the visible world into grayscale (black, white, and shades of gray)
Colour	Any film or other carrier which reproduces the color values of the visible world, whether by chemical, optical or mechanical means.
B/W & Colour	The carrier is mostly in b/w but has a few colour parts. If there distinction in the source database of what colour value is the one that is used mostly then the term "B/W & Colour" shall be applied.
Tinted / Toned / Hand coloured	This includes earlier "artificial" colouring methods (hand-colouring, tinting, toning).
Colour & B/W	The carrier is mostly in colour but has a few b/w parts.
Other	Either another colour type as indicated in this list or unknown.

5 Establishing and delivering XML exports to EFG

5.1 How to Submit Data

Data Providers have several possibilities to deliver their metadata to EFG. The Protocol for Metadata Harvesting is the preferred method of capturing your metadata, for which you would need to have implemented OAI-PMH in your system. Alternatively you can send us XML export(s) from your database system(s) or configure a web service for the data exchange. The EFG team will advice you to find the best solution for the submission of your data and the updating intervals.

Please consider the following guidelines when you provide content and (meta)data to the EFG database:

- 1) The export must be provided using an UTF-8 encoding. This ensures that local special characters (å, ø, etc.) are transferred correctly in the EFG database and eventually will be displayed correctly in the EFG web portal. Please do not use the ISO-8859-1 or other encoding schemes. For further reading please visit the following link: <http://en.wikipedia.org/wiki/UTF-8>.
- 2) The local exports should not contain syntactical errors. The XMLStartlet tool can be used to check the syntax of the XML files: <http://www.ibm.com/developerworks/library/x-starlet.html>.
- 3) Each record / data set in the export files must contain an unique identifier . Such an ID is usually automatically generated by your local database system(s), and must remain unchanged.
- 4) The XML files must not be edited manually. They must be established through an automated procedure - e.g. export function supplied by a DBMS.

- 5) Please provide different XML files for each kind of data you will deliver, i.e. for film works, persons, digital objects etc.. In the guidelines & standards section of the EFG project website you can find some examples for XML exports from EFG data providers. Please note that you can deliver your XML records in any exchange format:
- An export from your inhouse database (native schema)
 - Adopt your data into the EFG metadata format
 - Convert your data into an existing standard schema (e.g. EAC-CPF for Agents, ESE for non-film works, EN 15907 standard for film works)

If possible, we recommend you to choose a standardized format which simplifies the process when you exchange your data with other digital library or union catalogue initiatives than EFG in future. A useful resource to appropriate metadata standards within the film archival domain is the website www.filmstandards.org.

- 6) A file size limit must be considered: It is fixed at 500 KBytes or to the next higher multiple of each single entry dimension (e.g. 128 KBytes * 5 = 512 KB). As a consequence, if that size is exceeded, multiple files should be generated with a simple naming convention (e.g. DIF_Persons0000.xml, DIF_Persons0001.xml, etc.).
- 7) If a provider needs to change the XML export structure on a later stage, a new XML containing the new local schema must be supplied in advance. This XML file will be checked by the Ingestion Service for its consistency and correctness.

The following guidelines are optional:

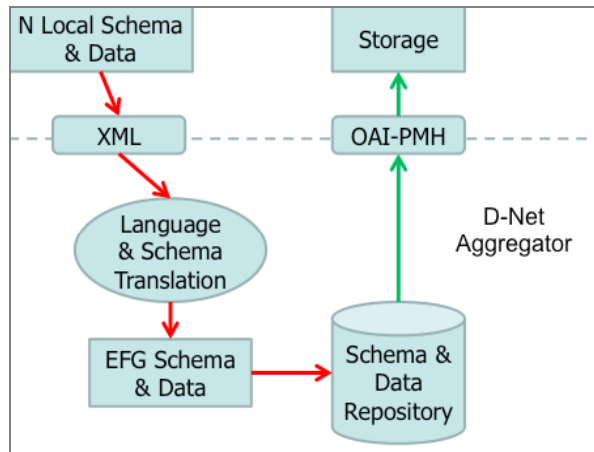
- 8) In addition to the XML files containing the actual (meta)data, also an XSD file containing the local schema should be provided if possible. The local schema is used by the ingestion service to check the consistency of the ingested (meta)data.
- 9) The preferred method to transfer metadata to EFG is to set up a web access to your XML files. Based on such access, the EFG Ingestion Service can check the existence of new metadata and content on a regular basis. We suggest to supply an HTTP access (and subject to that OAI-PMH, RSS, or any protocol/interface even proprietary that partners would use), or alternatively FTP. HTTPS should be excluded to avoid authentication management issues. For further information on how to establish an OAI-PMH interface please refer to the OAI guidelines on EFG's Guidelines & Standard page: <http://www.efgproject.eu/gs1.php>.

5.2 EFG Ingestion Service and Technical Infrastructure

The EFG Ingestion Service is designed to harvest (meta)data from the providers' repositories and to ingest it into the EFG Storage according to the EFG schema specification given in the EFG metadata schema (XSD file) (URL: http://www.efgproject.eu/guidelines_and_standards.php).

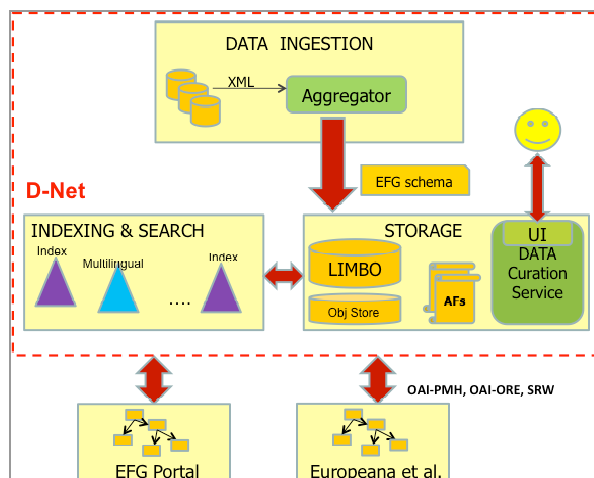
The Ingestion Service supports the:

- Ingestion of content into EFG from local repositories via an XML export
- Implementation of the EFG Schema
- Translation of metadata from the local schemata to the EFG Schema
- Storage of EFG metadata in the Limbo of the Storage Service via OAI-PMH



EFG Ingestion Service

This figure shows how the Ingestion Service is embedded in the EFG system structure



Functional Overview of the EFG System

This figure shows how the Ingestion Service is embedded in the EFG system structure.

6 Further reading

EFG Guidelines & Standards web page (accessed: 2011-05-09)

Information about EFG metadata schema, EFG controlled vocabularies, OAI-PMH guidelines, etc.

http://www.efgproject.eu/guidelines_and_standards.php

EFG's "Guidelines for digitization, digital storage and retrieval" (Thomas Christensen, Julia Welter, 30.10.2009)

http://www.efgproject.eu/downloads/D4-3_Guidelines%20for%20digitization_20091030.pdf

Europeana Aggregators' Handbook, Edition 1, May 2010

http://version1.europeana.eu/c/document_library/get_file?uuid=94bcddbfc7375d6bbc62&groupId=10602

Europeana Group. Technical Requirements (accessed: 2011-05-09)

Information about the ESE schema

<http://www.version1.europeana.eu/web/guest/technical-requirements>.

Europeana Data Model Primer by Stefan Gradmann, 5.8.2010

<http://bit.ly/EDMPrimer>

FIAF Cataloguing and Documentation Commission (accessed: 2011-05-09)

http://www.fiafnet.org/uk/commissions/com_cat_intro.cfm

filmstandards.org. Metadata Standards for Cinematographic Works (accessed: 2011-05-09)

http://filmstandards.org/fsc/index.php/Main_Page

Linked Data W3C Use Cases:

<http://www.w3.org/2005/Incubator/lld/wiki/UseCases>

Wikipedia. UTF-8 encoding

<http://en.wikipedia.org/wiki/UTF-8>

XMLStartlet

To check the syntax of XML files

<http://www.ibm.com/developerworks/library/x-starlet.html>.

7 APPENDIX I – Preparing Metadata for EFG XML Exports

This chapter gives an overview about the most important metadata for EFG. It is recommended that providers deliver the metadata presented hereunder or that they enrich their records locally with the according information before submitting them to EFG. Apart from the metadata displayed in the portal, this chapter gives examples of metadata which are only stored in the background of the portal in the common EFG database. The metadata relevant for the portal are those that are directly related to a digital object itself. Beyond that EFG also collects extensive filmographic and biographic data which film institutions often manage in authority records (film works, persons, corporations, events). Even though most authority data are not displayed in the beta version of the EFG portal they are very welcomed to be contributed. They help to contextualise the information about the digital objects in the common database and serve as a basis for the common European registry of film works, persons and corporations active in the film domain. Furthermore, authority data can be exploited and displayed when the EFG portal will be further developed in future.

7.1 Image [Entities of EFG Schema: NonAVCreation, NonAVManifestation, Item]

The metadata on images listed hereunder are displayed on the detail page of the EFG portal (except from the element highlighted in grey font). For an example how image data are presented in the portal please see *Screenshot 1: Detail page for an Image*. The displayed metadata can differ depending on the document type (e.g. poster, film still, photo etc.) and on the actual data a provider delivers to EFG. This table illustrates how a photo is represented in the EFG database.

Displayed Data	EFG XML Example
Direct link to digital object (i.e. link to the digital object in its best resolution on the provider's website) <i>Example: Screenshot 4: Examples for digital objects as viewed via the Item.IsShownBy link</i>	<pre><efg:efgEntity><efg:nonavcreation><efg:nonAVManifestation><efg:item><efg:isShownBy> http://www.filmportal.de/public/pics/IEpics/23/7B702D8976E64D29BCFBA1B5FFE19071_f006775_pic_06.jpg </efg:isShownBy></efg:item> </efg:nonAVManifestation></efg:nonavcreation></efg:efgEntity></pre>
View on local website (i.e. link to the digital object embedded in its full informational context on the provider's website) <i>Example: Screenshot 5: Digital object</i>	<pre><efg:efgEntity><efg:nonavcreation><efg:nonAVManifestation><efg:item><efg:isShownAt> http://www.filmportal.de/df/b7/Artikel,,,,,,,,,EB1FC5A24A4128AAE03053D50B376FDC,,,,,,,,,,,,,,,,,,,,,,,,,,,,.html </efg:isShownAt> </efg:item></efg:nonAVManifestation></efg:nonavcreation></efg:efgEntity></pre>

as viewed via the <i>Item.IsShownAt</i> link	
Title	<efg:efgEntity><efg:nonavcreation><efg:nonAVManifestation> <efg:title lang="DE"><efg:geographicScope> <efg:code>DE</efg:code><efg:place> GERMANY </efg:place></efg:geographicScope><efg:text> Gegen die Wand </efg:text><efg:relation>Main title</efg:relation></efg:title></efg:nonAVManifestation> </efg:nonavcreation> </efg:efgEntity>
Other title(s)	<efg:efgEntity><efg:nonavcreation><efg:nonAVManifestation><efg:title lang="EN"><efg:geographicScope> <efg:code>GB</efg:code><efg:place> UNITED KINGDOM </efg:place></efg:geographicScope><efg:text> Head-On </efg:text><efg:relation>Alternative title</efg:relation></efg:title></efg:nonAVManifestation> </efg:nonavcreation> </efg:efgEntity>
Creator	<efg:efgEntity><efg:nonavcreation><efg:relPerson><efg:identifier scheme="CP_CATEGORY_ID"> DIF_person_S2Vyc3RpbIN0ZWx0ZXI= </efg:identifier><efg:name> Kerstin Stelter </efg:name><efg:type>Creator</efg:type> </efg:relPerson></efg:nonavcreation></efg:efgEntity>
Date created	<efg:efgEntity><efg:nonavcreation><efg:dateCreated> 0000-00-00 </efg:dateCreated> </efg:nonavcreation></efg:efgEntity>
Description	<efg:efgEntity><efg:nonavcreation> <efg:description type="Content description" lang="DE" source="Deutsches Filminstitut - DIF"> Birol Ünel, Sibel Kekilli </efg:description> <efg:description type="Content description" lang="EN" source="Deutsches Filminstitut - DIF"> Birol Ünel, Sibel Kekilli </efg:description> <efg:description type="Content description" lang="FR" source="Deutsches Filminstitut - DIF"> Birol Ünel, Sibel Kekilli </efg:description> </efg:nonavcreation></efg:efgEntity>
Keywords	No example in this case
Collection (i.e. a special collection the object belongs to in the local institution)	No example in this case
Provenance	<efg:efgEntity><efg:nonavcreation><efg:nonAVManifestation><efg:provenance> Timebandits </efg:provenance><efg:provenance> Deutsches Filminstitut - DIF </efg:provenance></efg:nonAVManifestation> </efg:nonavcreation> </efg:efgEntity>
Provider	<efg:efgEntity><efg:nonavcreation><efg:nonAVManifestation><efg:item><efg:provider>Deutsches Filminstitut - DIF</efg:provider></efg:nonAVManifestation> </efg:nonavcreation> </efg:efgEntity>
Rights	<efg:efgEntity><efg:nonavcreation><efg:nonAVManifestation><efg:rightsHolder> WÜSTE Film</efg:rightsHolder> </efg:nonAVManifestation></efg:nonavcreation></efg:efgEntity>

Rights status (content)	<code><efg:efgEntity><efg:nonavcreation><efg:nonAVManifestation><efg:rightsStatus>Copyright protected</efg:nonAVManifestation></efg:nonavcreation></efg:efgEntity></code>
Original format	<code><efg:efgEntity><efg:nonavcreation><efg:nonAVManifestation><efg:physicalFormat> 10x15cm</efg:physicalFormat></efg:nonAVManifestation></efg:nonavcreation></efg:efgEntity></code> OR <code><efg:efgEntity><efg:nonavcreation><efg:nonAVManifestation><efg:digitalFormat status="Born digital" > image/jpeg</efg:digitalFormat> </efg:nonAVManifestation></efg:nonavcreation></efg:efgEntity></code>
Document type	<code><efg:efgEntity><efg:nonavcreation><efg:nonAVManifestation ><efg:specificType>Film still</efg:specificType></efg:nonAVManifestation></efg:nonavcreation></efg:efgEntity></code>
Related titles (i.e. all film works which have a connection to the digital object itself and of which also other material is available in EFG)	<code><efg:efgEntity><efg:nonavcreation><efg:relAvCreation><efg:identifier scheme="CP_CATEGORY_ID">DIF_avCreation_060306A55A8C405488A066BB947509BA </efg:identifier><efg:title> n/a</efg:title><efg:type>film</efg:type></efg:relAvCreation></efg:nonavcreation></efg:efgEntity></code>
Related names (i.e. all persons, which have a connection to the digital object itself and of which also other material is available in EFG)	<code><efg:efgEntity><efg:nonavcreation><efg:relPerson><efg:identifier scheme="CP_CATEGORY_ID">DIF_person_591D80671E1D47AB96A6038DCA57B2EB </efg:identifier><efg:name> Ünel, Birol</efg:name><efg:type>Miscellaneous</efg:type></efg:relPerson><efg:relPerson><efg:identifier scheme="CP_CATEGORY_ID"> DIF_person_BE59BD319DCB4002AC1484E142BE46CE</efg:identifier><efg:name> Kekilli, Sibel </efg:name><efg:type>Miscellaneous</efg:type></efg:relPerson><efg:relPerson><efg:identifier scheme="CP_CATEGORY_ID"> DIF_person_S2Vyc3RpbIN0ZWx0ZXI= </efg:identifier> <efg:name> Kerstin Stelter </efg:name><efg:type>Creator</efg:type></efg:relPerson></efg:nonavcreation></efg:efgEntity></code>

7.2 Text [Entities of EFG Schema: NonAVCreation, NonAVManifestation, Item]

For an example how text data will be presented in the EFG web portal please see *Screenshot 3: Detail page for a Text document*. The displayed metadata elements can differ depending on the respective document type (e.g. book, letter, censorship document) and on the actual data a provider delivers to EFG. The example below illustrates how a programme can be represented in the EFG database. The element highlighted in grey font is not displayed.

Displayed Data	EFG XML Example
Direct link to digital object <i>Example: Screenshot 4: Examples for digital objects as viewed via the Item.IsShownBy link</i>	<code><efg:efgEntity><efg:nonavcreation><efg:nonAVManifestation><efg:item><efg:isShownBy> http://www.cineressources.net/images/ouv_num/242.pdf </efg:isShownBy></efg:item></efg:nonAVManifestation> </efg:nonavcreation></efg:efgEntity></code>
View on local website <i>Example: Screenshot 5: Digital object as viewed via the Item.IsShownAt link</i>	<code><efg:efgEntity><efg:nonavcreation><efg:nonAVManifestation><efg:item><efg:isShownAt> http://www.bibliotheque-numerique- cinema.fr/notice/?i=36652&m=3 </efg:isShownAt> </efg:item></efg:nonAVManifestation></efg:nonavcreation></efg:efgEntity></code>
Title	<code><efg:efgEntity><efg:nonavcreation><efg:nonAVManifestation> <efg:title lang="UD"><efg:geographicScope><efg:code> fr</efg:code><efg:place> FRANCE </efg:place></efg:geographicScope><efg:text> Clarke's evening amusements </efg:text><efg:relation>Main title</efg:relation> </efg:nonAVManifestation> </efg:nonavcreation> </efg:efgEntity></code>
Other titles	<i>No example in this case</i>
Author(s)	<code><efg:efgEntity><efg:nonavcreation><efg:relCorporate><efg:identifiant scheme="CP_CATEGORY_ID"> CF_corporate_302593 </efg:identifiant><efg:name> H.G. Clarke & Co. (London) </efg:name> <efg:type>Author(s)</efg:type></efg:nonavcreation> </efg:efgEntity></code>
Date created	<code><efg:efgEntity><efg:nonavcreation><efg:dateCreated> 0000-00-00 </efg:dateCreated> </efg:nonavcreation></efg:efgEntity></code>
Description	<code><efg:efgEntity><efg:nonavcreation> <efg:description type="n/a" lang="FR"> Dépliant : ill. ; 23 cm</efg:description> </efg:nonavcreation></efg:efgEntity></code>
Keywords	<code><efg:efgEntity><efg:efgEntity><efg:nonavcreation><efg:keywords type="Subject" lang="FR"><efg:term id="subject"> Appareil du pré-cinéma </efg:term></efg:keywords></efg:nonavcreation> </efg:efgEntity></code>
Collection	<i>No example in this case</i>
Provenance	<code><efg:efgEntity><efg:nonavcreation><efg:nonAVManifestation> <efg:provenance> La Cinémathèque Française</efg:provenance> </efg:nonAVManifestation></efg:nonavcreation></efg:efgEntity></code>
Provider	<code><efg:efgEntity><efg:nonavcreation> <efg:nonAVManifestation><efg:item>< <efg:provider>La Cinémathèque Française </efg:provider></efg:item></efg:nonAVManifestation></efg:nonavcreation></efg:efgEntity></code>
Rights	<i>No example in this case</i>
Rights status (content)	<code><efg:efgEntity><efg:nonavcreation><efg:nonAVManifestation><efg:rightsStatus>Copyright protected</efg:nonAVManifestation> </efg:nonavcreation></efg:efgEntity></code>

Original format	<code><efg:efgEntity><efg:nonavcreation><efg:nonAVManifestation><efg:physicalFormat> ill. ; 23 cm </efg:physicalFormat> </efg:nonAVManifestation></efg:nonavcreation></efg:efgEntity><u>OR</u> <efg:efgEntity><efg:nonavcreation><efg:nonAVManifestation><efg:digitalFormat status="Born digital" size="105 Mo"> text/pdf </efg:digitalFormat></efg:nonAVManifestation></efg:nonavcreation></efg:efgEntity></code>
Document type	<code><efg:efgEntity><efg:nonavcreation><efg:nonAVManifestation><efg:type> Programme</efg:type> </efg:nonAVManifestation></efg:nonavcreation></efg:efgEntity></code>
Language	<code><efg:efgEntity><efg:nonavcreation><efg:nonAVManifestation><efg:language>en</efg:language></efg:nonAVManifestation></efg:nonavcreation></efg:efgEntity></code>
Related titles (i.e. all film works which have a connection to the digital object itself and of which also other material is available in EFG)	<i>No example in this case</i>
Related names (i.e. persons, which have a connection to the object and of which also other material is available in EFG)	<i>No example in this case</i>

The table hereunder illustrates how a censorship document is represented in the EFG database. Metadata belonging to a censorship event which is related to the censorship document are not displayed in the portal. This kind of information is stored in Event entities. Thus, the data highlighted in grey font in the table hereunder belong to a record of a censorship event which is not displayed in the portal. However, EFG welcomes that providers deliver event data as well.

Displayed Data	EFG XML Example
Direct link to digital object <i>Example: Screenshot 4: Examples for digital objects as viewed via the Item.IsShownBy link</i>	<code><efg:efgEntity><efg:nonavcreation><efg:nonAVManifestation> <efg:item> <efg:isShownBy> http://www.collate-efg.h-da.de/digitizations/01504_nfa_cen_091132_p1.jpg </efg:isShownBy></efg:item></efg:nonAVManifestation> </efg:nonavcreation></efg:efgEntity></code>
View on local website <i>Example: Screenshot 5: Digital object</i>	<code><efg:efgEntity><efg:nonavcreation><efg:nonAVManifestation><efg:item><efg:isShownAt> http://www.collate-efg.h-da.de/viewer/viewer?id=04452 </efg:isShownAt></efg:item> </efg:nonAVManifestation></efg:nonavcreation></efg:efgEntity></code>

as viewed via the <i>Item.IsShownAt</i> link	
Title	<efg:efgEntity><efg:nonavcreation><efg:nonAVManifestation><efg:title lang="ud"><efg:text> Křižník Potěmkin</efg:text><efg:relation>Main title</efg:relation></efg:title> </efg:nonAVManifestation></efg:nonavcreation></efg:efgEntity>
Other titles	<efg:efgEntity><efg:nonavcreation><efg:nonAVManifestation><efg:title lang="ud"><efg:text> Panzerkreuzer Potemkin</efg:text><efg:relation>Alternative title</efg:relation></efg:title> </efg:nonAVManifestation></efg:nonavcreation></efg:efgEntity>
Date created	<efg:efgEntity><efg:nonavcreation><efg:dateCreated> 1930-11-20 </efg:dateCreated> </efg:nonavcreation></efg:efgEntity>
Description	<efg:efgEntity><efg:nonavcreation><efg:description type="Content description" lang="EN"> Film distributing company applies for censoring of the film "Křižník Potěmkin" (sound version). The film was qualified for public screening - ban for young people, exclusion of scenes and dialogues. </efg:description></efg:nonavcreation></efg:efgEntity>
Keywords	<efg:efgEntity><efg:nonavcreation><efg:keywords scheme="NFA" type="n/a" lang="EN"> <efg:term> First Application</efg:term></efg:keywords><efg:keywords scheme="NFA" type="Subject" lang="DE"><efg:term> Republic Film, Praha</efg:term></efg:keywords><efg:keywords scheme="NFA" type="Subject" lang="cs"><efg:term> Ministerstvo vnitra v Praze</efg:term></efg:keywords></efg:nonavcreation></efg:efgEntity>
Collection	<i>No example in this case</i>
Provenance	<efg:efgEntity><efg:nonavcreation><efg:nonAVManifestation><efg:provenance>Státní ústřední archiv v Praze</efg:provenance></efg:nonAVManifestation> </efg:nonavcreation></efg:efgEntity>
Provider	<efg:efgEntity><efg:nonavcreation><efg:nonAVManifestation><efg:item> <efg:provider>Národní filmový archiv</efg:provider></efg:item>< </efg:recordSource> </efg:nonAVManifestation> </efg:nonavcreation></efg:efgEntity>
Rights	<i>No example in this case</i>
Rights status (content)	<efg:efgEntity><efg:nonavcreation><efg:nonAVManifestation><efg:rightsStatus>Copyright protected</efg:nonAVManifestation></efg:nonavcreation></efg:efgEntity>
Original format	<i>No example in this case</i>
Document type	<efg:efgEntity><efg:nonavcreation><efg:nonAVManifestation><efg:specificType>Censorship document</efg:specificType></efg:nonAVManifestation> </efg:nonavcreation></efg:efgEntity>
Language	<efg:efgEntity><efg:nonavcreation><efg:nonAVManifestation> <efg:language usage="Text">cs</efg:language></efg:nonAVManifestation></efg:nonavcreation></efg:efgEntity>
Related titles	<efg:efgEntity><efg:nonavcreation><efg:relAvCreation><efg:identifier scheme="CP_CATEGORY_ID"> NFA_avCreation_04452</efg:identifier><efg:title> Bronenosez Potemkin </efg:title><efg:type>Is text of</efg:type></efg:relAvCreation></efg:nonavcreation>

	</efg:efgEntity>
Type of related decision event	<efg:efgEntity><efg:nonavcreation><efg:nonAVManifestation><efg:relDecisionEvent><efg:identifier scheme="CP_CATEGORY_ID">FUH_decisionEvent_9F1C263C-3822-11E0-8E0E-7AEA0F46E9B1</efg:identifier><efg:name> Křižník Potěmkin</efg:name><efg:type>Submission</efg:type></efg:relDecisionEvent><efg:relDecisionEvent><efg:identifier scheme="CP_CATEGORY_ID">FUH_decisionEvent_9F1CB3E0-3822-11E0-8E0E-7AEA0F46E9B1</efg:identifier><efg:name> Křižník Potěmkin</efg:name><efg:type>Censorship</efg:type></efg:relDecisionEvent><efg:relPublicationEvent><efg:identifier scheme="CP_CATEGORY_ID">FUH_publicationEvent_9F1DF048-3822-11E0-8E0E-7AEA0F46E9B1</efg:identifier><efg:name> Křižník Potěmkin</efg:name><efg:type>Screening</efg:type></efg:relPublicationEvent></efg:nonAVManifestation></efg:nonavcreation></efg:efgEntity>
Date	<efg:efgEntity><efg:decisionEvent><efg:date> 1930-11-20</efg:date></efg:decisionEvent></efg:efgEntity>
Regional scope	<efg:efgEntity><efg:decisionEvent><efg:regionalScope>CS</efg:regionalScope></efg:decisionEvent></efg:efgEntity></efg:decisionEvent></efg:efgEntity>
Agency	<efg:efgEntity><efg:decisionEvent><efg:agency> Ministerstvo vnitra v Praze</efg:agency></efg:decisionEvent></efg:efgEntity>
Certificate number	<efg:efgEntity><efg:decisionEvent><efg:filingNumber>1738/30</efg:filingNumber></efg:decisionEvent></efg:efgEntity>
Verdict	<efg:efgEntity><efg:decisionEvent><efg:verdict>Film distributing company applies for censoring of the film "Křižník Potěmkin" (sound version). The film was qualified for public screening - ban for young people, exclusion of scenes and dialogues.</efg:verdict></efg:decisionEvent></efg:efgEntity>

7.3 Video [Entities of EFG Schema: AVCreation, AVManifestation, Item]

The metadata on moving images hereunder are displayed on the detail page of the EFG portal (except from the element highlighted in grey font). For an example how these data will appear in the portal please refer to *Screenshot 2: Detail page for a Video*.

Displayed Data	EFG XML Example
Direct link to digital object <i>Example: Screenshot 4: Examples for digital objects as viewed via the Item.IsShownBy link</i>	<efg:efgEntity><efg:avcreation><efg:avManifestation> <efg:item><efg:isShownBy> http://www.filmstriben.dk/bibliotek/player/detect.aspx?filmid=2547616606&preview=1</efg:isShownBy></efg:item> </efg:avManifestation></efg:avcreation></efg:efgEntity>

View on local website <i>Example: Screenshot 5: Digital object as viewed via the Item.IsShownAt link</i>	<code><efg:efgEntity><efg:avcreation><efg:avManifestation><efg:item><efg:isShownAt> http://www.dfi.dk/faktaomfilm/nationalfilmografien/nffilm.aspx?id=10042</efg:isShownAt></efg:item></efg:avManifestation></efg:avcreation> </efg:efgEntity></code>
Title	<code><efg:efgEntity><efg:avcreation><efg:avManifestation> <efg:title lang="DA"><efg:geographicScope><efg:code>DK</efg:code> <efg:place> DENMARK </efg:place></efg:geographicScope><efg:text> Julies balkon </efg:text><efg:relation>Original title</efg:relation> </efg:title></efg:avManifestation></efg:avcreation></efg:efgEntity></code>
Other titles	<code><efg:efgEntity><efg:avcreation><efg:avManifestation> <efg:title lang="UD"><efg:geographicScope><efg:code>n/a</efg:code> <efg:place> n/a </efg:place></efg:geographicScope><efg:text> Den korte film 1 </efg:text><efg:relation>Compilation title</efg:relation> </efg:title></efg:avManifestation></efg:avcreation></efg:efgEntity></code>
Genre	<code><efg:efgEntity><efg:avcreation> </efg:keywords><efg:keywords scheme="DFI" type="Form" lang="EN"><efg:term>Documentary</efg:term> </efg:keywords></efg:avcreation></efg:efgEntity></code>
Country	<code><efg:efgEntity><efg:avcreation><efg:countryOfReference>DK</efg:countryOfReference></efg:avcreation> </efg:efgEntity></code>
Year	<code><efg:efgEntity><efg:avcreation> <efg:productionYear> 1993 </efg:productionYear></efg:avcreation></efg:efgEntity></code>
Runtime	<code><efg:efgEntity><efg:avcreation><efg:avManifestation> <efg:duration frameRate="min"> 5 </efg:duration></efg:avManifestation> </efg:avcreation></efg:efgEntity></code>
Description	<code><efg:efgEntity><efg:avcreation><efg:description type="Synopsis" lang="DA" source="Det Danske Filminstitut"> Verona. Den berømte balkon og dens gæster overvåges af kameraet. Pigerne kommer ud for i tanker og bevægelser at sende hilsner til deres Romeo'er, fanget i de ubevogtede øjeblikke af den afslørende optimist i turismens vrimmel. </efg:description> <efg:description type="Synopsis" lang="EN" source="Det Danske Filminstitut"> Verona. The famous balcony and its guests are kept under surveillance by the camera. The girls enter the balcony to send greetings to their Romeos in thoughts and movements, caught in unguarded moments by the revealing optics of the camera in the middle of the tourist crowd. </efg:description> </efg:avcreation></efg:efgEntity></code>
Keywords	<i>No example in this case</i>
Collection	<i>No example in this case</i>
Provenance	<i>No example in this case</i>
Provider	<code><efg:efgEntity><efg:avcreation><efg:avManifestation><efg:item><efg:provider>Det Danske Filminstitut</efg:provider></efg:item> </efg:avManifestation></efg:avcreation></efg:efgEntity></code>
Rights	<i>No example in this case</i>

Rights status (content)	<efg:efgEntity><efg:avcreation><efg:avManifestation><efg:rightsStatus>Copyright protected</efg:avManifestation></efg:avcreation></efg:efgEntity>
Director	<efg:efgEntity> <efg:avcreation> <efg:relPerson><efg:identifier scheme="CP_CATEGORY_ID"> DFI_person_108220 </efg:identifier><efg:name> Olesen, Annette K. </efg:name> <efg:type>Director</efg:type></efg:relPerson></efg:avcreation></efg:efgEntity>
Production company	<efg:efgEntity><efg:avcreation> <efg:relCorporate><efg:identifier scheme="CP_CATEGORY_ID"> DFI_corporate_53089 </efg:identifier><efg:name> Jens Ravn Film </efg:name><efg:type>Production company</efg:type></efg:relCorporate></efg:avcreation></efg:efgEntity>
Colour	<efg:efgEntity><efg:avcreation><efg:avManifestation><efg:format><efg:colour hasColor="true"></efg:colour></efg:format></efg:avManifestation></efg:avcreation></efg:efgEntity>
Sound	<efg:efgEntity><efg:avcreation><efg:avManifestation><efg:format><efg:sound hasSound="true"></efg:sound></efg:format></efg:avManifestation></efg:avcreation></efg:efgEntity>
Language	<i>No example in this case</i>
Related names (i.e. persons, which have a connection to the object and of which also other material is available in EFG)	<efg:efgEntity><efg:avcreation><efg:relPerson><efg:identifier scheme="CP_CATEGORY_ID"> DFI_person_108220 </efg:identifier><efg:name> Olesen, Annette K. </efg:name><efg:type>Screenplay</efg:type></efg:relPerson><efg:relPerson><efg:identifier scheme="CP_CATEGORY_ID"> DFI_person_911 </efg:identifier> <efg:name> Spang Olsen, Lasse </efg:name><efg:type>Director of photography</efg:type> </efg:relPerson><efg:relPerson><efg:identifier scheme="CP_CATEGORY_ID"> DFI_person_108221 </efg:identifier><efg:name> Pedersen, Per K. </efg:name><efg:type>Editor</efg:type></efg:relPerson><efg:relPerson><efg:identifier scheme="CP_CATEGORY_ID"> DFI_person_173274 </efg:identifier><efg:name> Fiumara, Marco </efg:name><efg:type>Sound</efg:type></efg:relPerson></efg:avcreation></efg:efgEntity>

The table hereunder shows examples how titles of newsreels are represented in the EFG database and under which categories these data appear in the detail page of the portal:

Displayed Data	EFG XML Example
Title	<p><u>Example 1) → Episode title</u></p> <p><efg:efgEntity><efg:avcreation><efg:title lang="IT"><efg:text> Uomini forti... ma non troppo.. Esibizioni da circo di un trio di culturisti.</efg:text><efg:relation>Episode title</efg:relation> </efg:title></efg:avcreation></efg:efgEntity></p> <p><u>Example 2) Segment title</u></p>

	<pre><efg:efgEntity><efg:avcreation><efg:avManifestation><efg:title lang="DE"><efg:text> The Errors of Existence</efg:text> <efg:relation>Segment title</efg:relation></efg:title></pre>
Other title(s)	<p><u>Example 1) Volume / Issue</u></p> <pre><efg:efgEntity><efg:avcreation> <efg:title lang="IT"> <efg:partDesignation><efg:unit> Issue </efg:unit><efg:value> 00169 </efg:value></efg:partDesignation></efg:title> </efg:avcreation></efg:efgEntity></pre> <p><u>Example 2) Series title</u></p> <pre><efg:efgEntity><efg:avcreation><efg:title lang="IT"><efg:text> La Settimana Incom </efg:text><efg:relation>Series title</efg:relation></efg:title></efg:avcreation></efg:efgEntity></pre>

7.4 Sound [Entities of EFG Schema: NonAVCreation, NonAVManifestation, Item]

The example herunder illustrates which of the metadata describing sound files would be displayed on the detail page of the web portal. The element highlighted in grey font is not displayed.

Displayed Data	EFG XML Example
Direct link to digital object	<pre><efg:efgEntity><efg:nonavcreation><efg:nonAVManifestation> <efg:item> <efg:isShownBy> No example yet </efg:isShownBy></efg:item> </efg:nonAVManifestation></efg:nonavcreation></efg:efgEntity></pre>
View on local website	<pre><efg:efgEntity><efg:nonavcreation><efg:nonAVManifestation><efg:item><efg:isShownAt> No example yet </efg:isShownAt></efg:item> </efg:nonAVManifestation></efg:nonavcreation></efg:efgEntity></pre>
Title	<pre><efg:efgEntity><efg:nonavcreation><efg:nonAVManifestation><efg:title lang="ud"><efg:text> Statement by Winston Churchill (London, 7 May 1945) </efg:text> <efg:relation>Main title</efg:relation></efg:title></efg:nonAVManifestation></efg:nonavcreation></efg:efgEntity></pre>
Date created	<pre><efg:efgEntity><efg:nonavcreation><efg:dateCreated> 1945/05/09</efg:dateCreated> </efg:nonavcreation></efg:efgEntity></pre>
Description	<pre><efg:efgEntity><efg:nonavcreation><efg:description type="Content description" lang="EN"> During the night of 7 to 8 May 1945 in Reims, Admiral Karl Doenitz, who succeeded Adolf Hitler at the head of the Reich, and General Gustav Jodl, Chief of Staff of the Wehrmacht, sign the unconditional surrender of the Nazi troops. The following day, the British Prime Minister, Winston Churchill, triumphantly announces the news on British radio. </efg:description></efg:nonavcreation></efg:efgEntity></pre>
Keywords	<pre></efg:term></efg:keywords><efg:keywords scheme="NFA" type="Subject" lang="DE"><efg:term> war</efg:term></efg:keywords> <efg:keywords scheme="NFA" type="Subject" lang="en"><efg:term> Reims </efg:term></efg:keywords></efg:nonavcreation></efg:efgEntity></pre>

Collection	<i>No example in this case</i>
Provider	<efg:efgEntity><efg:nonavcreation><efg:nonAVManifestation> <efg:provenance> CVCE </efg:provenance></efg:nonAVManifestation> </efg:nonavcreation></efg:efgEntity>
Rights	<efg:efgEntity><efg:nonavcreation><efg:nonAVManifestation><efg:item> <efg:provider>Národní filmový archiv</efg:provider></efg:item>< </efg:recordSource> </efg:nonAVManifestation> </efg:nonavcreation></efg:efgEntity>
Rights status (content)	<efg:efgEntity><efg:nonavcreation><efg:nonAVManifestation><efg:rightsStatus>Copyright protected</efg:nonAVManifestation> </efg:nonavcreation></efg:efgEntity>
Document type	<efg:efgEntity><efg:nonavcreation><efg:nonAVManifestation><efg:specificType>Speech</efg:specificType></efg:nonAVManifestation> </efg:nonavcreation></efg:efgEntity>
Language	<efg:efgEntity><efg:nonavcreation><efg:nonAVManifestation> <efg:language usage="Sound">en</efg:language> </efg:nonAVManifestation></efg:nonavcreation></efg:efgEntity>
Original format	<nonavcreation> <nonavmanifestation><physicalformat>audio/wav </physicalformat>
Related name(s)	<i>No example in this case</i>
Related title(s)	<efg:efgEntity><efg:nonavcreation><efg:relAvCreation><efg:identifier scheme="CP_CATEGORY_ID"> FUH_avCreation_04452 </efg:identifier><efg:title> Bronenosez Potemkin </efg:title><efg:type>Is text of</efg:type></efg:relAvCreation> </efg:nonavcreation></efg:efgEntity>

7.5 Persons [Entity of EFG Schema: Person]

The table below illustrates how a Person is represented in the EFG database exemplarily for one of the three Agent types that can be submitted to EFG (Person, Corporation, Group). Person data are not entirely displayed in the EFG portal. For instance, in the function “Related name(s)” of the detail page only the names and the the types of the semantic relationships between the person and the respective digital object are shown. For an example refer to *Screenshot 2: Detail page for a Video*.

Data Category	EFG XML Example
Person name	<efg:efgEntity><efg:person> <efg:name type="PN" part="Forename(s)"> Klaus </efg:name> <efg:name type="PN" part="Family name"> Kinski </efg:name>

	<code><efg:name type="ON" part="Forename(s)"> Klaus-Günther </efg:name></code> <code><efg:name type="ON" part="Family name"> Nakszynski </efg:name></code> <code></efg:person></efg:efgEntity></code>
Function	<code><efg:efgEntity><efg:person></code> <code><efg:typeOfActivity>Actor</efg:typeOfActivity><efg:typeOfActivity>Director</efg:typeOfActivity></code> <code></efg:person></efg:efgEntity></code>
Biographical data	<code><efg:efgEntity><efg:person></code> <code><efg:date type="birth">1926-10-18</efg:date><efg:place type="place_of_birth"> Zoppot, Ostpreußen (heute Sopot, Polen)</efg:place></code> <code><efg:date type="death">1991-11-21 </efg:date><efg:place type="place_of_death"> Labunita, Kalifornien, USA </efg:place></code> <code></efg:person> </efg:efgEntity></code>
Link to biography	<code><efg:efgEntity><efg:person><efg:viewBiography></code> <code>http://www.filmportal.de/df/05/Uebersicht,,,,,,,,,6AA093AA5EDF44FD947FE3691EDB86B1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,html</efg:viewBiography></code> <code></efg:person> </efg:efgEntity></code>

7.6 Film Works [Entity of EFG Schema: AVCreation]

The table hereunder shows an XML example how a film work can be represented in the EFG database. Metadata of the film work entity are only displayed in the portal when a digital video is submitted together with the film work. Otherwise, only the titles and the types of the semantic relationship between the film work and the respective digital object is shown in the function "Related title(s)" in the detail page. For an example please refer to *Screenshot 1: Detail page for an Image*.

Data Category	EFG XML Example
Title	<code><efg:efgEntity><efg:avcreation> <efg:title lang="DE"><efg:geographicScope><efg:code>DE</efg:code><efg:place> GERMANY </efg:place></code> <code></efg:geographicScope><efg:text> M </efg:text><efg:relation>Original title</efg:relation></efg:title> </efg:avcreation> </efg:efgEntity></code>
Other titles	<code><efg:efgEntity><efg:avcreation></code> <code><efg:title lang="DE"><efg:geographicScope><efg:code>DE</efg:code><efg:place> GERMANY</efg:place> </efg:geographicScope><efg:text></code> <code>M - Eine Stadt sucht einen Mörder </efg:text> <efg:relation>Distribution title</efg:relation></efg:title></code> <code><efg:title lang="DE"><efg:geographicScope><efg:code>DE</efg:code><efg:place> GERMANY </efg:place></code> <code></efg:geographicScope><efg:text> Mörder unter uns </efg:text><efg:relation>Subtitle</efg:relation></efg:title></code>

	<efg:title lang="DE"><efg:geographicScope><efg:code>DE</efg:code><efg:place> GERMANY </efg:place></efg:geographicScope><efg:text> M. Dein Mörder sieht Dich an </efg:text><efg:relation>Distribution title</efg:relation></efg:title> </efg:avcreation></efg:efgEntity>
Genre	<efg:efgEntity><efg:avcreation> <efg:keywords scheme="Deutsches Filminstitut – DIF" type="Genre" lang="en"><efg:term> Feature film </efg:term></efg:keywords></efg:avcreation></efg:efgEntity>
Country	<efg:efgEntity><efg:avcreation><efg:countryOfReference reference="Country of Production">DE</efg:countryOfReference></efg:avcreation> </efg:efgEntity>
Year	<efg:efgEntity><efg:avcreation> <efg:productionYear> 1931 </efg:productionYear></efg:avcreation></efg:efgEntity>
Director	<efg:efgEntity><efg:avcreation><efg:relPerson> <efg:identifier scheme="CP_CATEGORY_ID"> DIF_person_F3C303C2F8924D8C876ACC4E2004B6D0 </efg:identifier><efg:name> Fritz Lang </efg:name><efg:type>Director</efg:type> </efg:relPerson></efg:avcreation></efg:efgEntity>
Link to Filmography	<efg:efgEntity><efg:avcreation><efg:ViewFilmography> http://www.filmportal.de/df/9e/Uebersicht,,,,,,,,,84E5CE1E5633491D85D9A16F7711D437,,,,,,,,,,,,,,,,,,,,,,,,,,,,,html </efg:ViewFilmography> </efg:avcreation></efg:efgEntity>

7.7 Source Identifiers

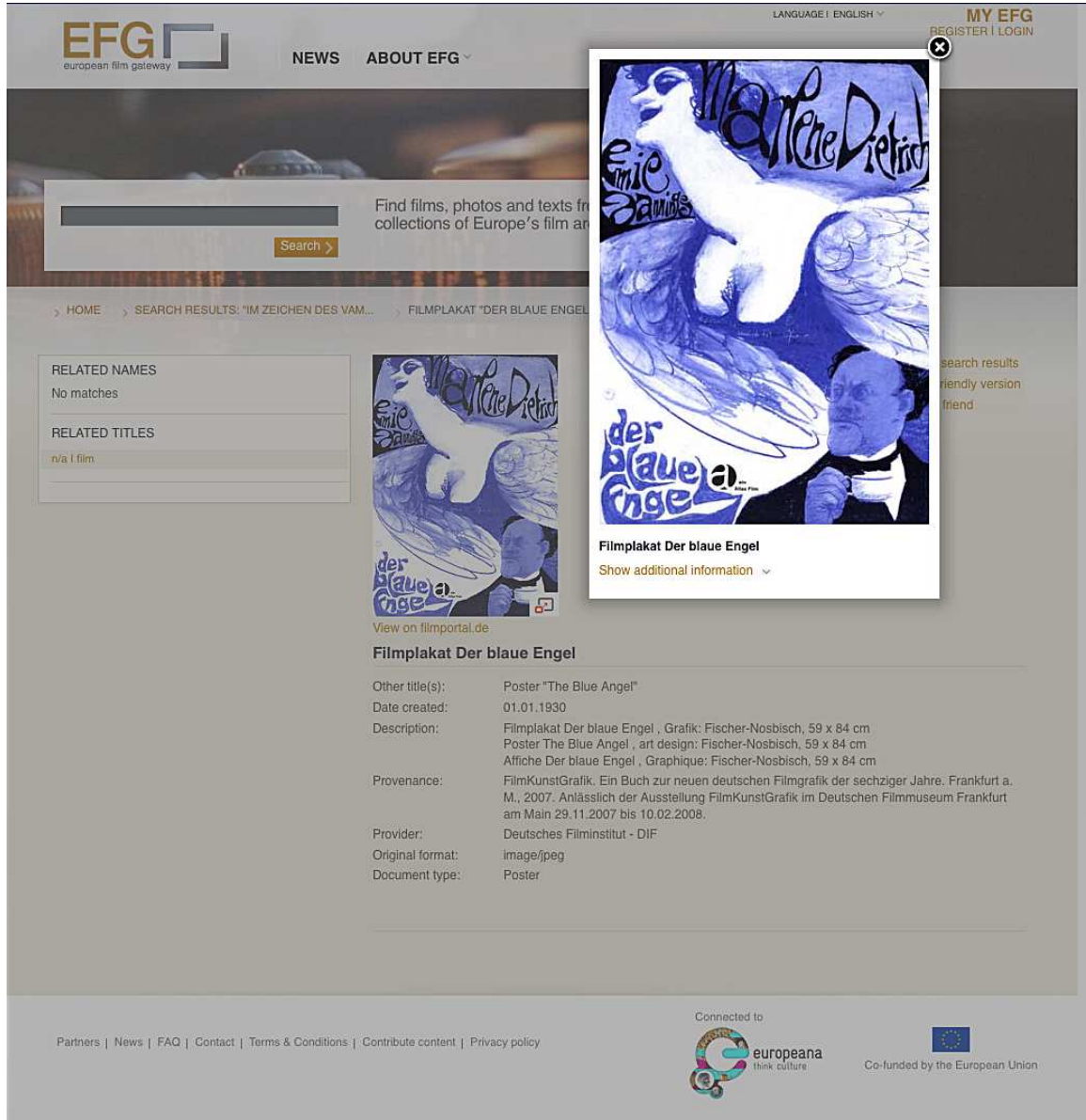
Source Identifiers from the local databases can have several functions in the common EFG database. They can be used by the Data Provider to connect records from one XML export with records from another one. In this case they function as key pairs, i.e. as primary key and foreign key. Each entity of the EFG metadata schema has an element to which source identifiers can be mapped. Besides connecting authority metadata with object metadata they also function to keep track of a record's provenience. This is highly relevant when it comes to the consolidation of several source records into one common registry of EFG authority files. Moreover, archives can manage other types of identifiers, e.g. identifiers that direct to terms from a controlled vocabulary which is used within the archive. Transferring this information to EFG also enriches the federated database.

The following IDs should be delivered in your exports *if possible*:

- Local ID for non-audiovisual object (NonAVManifestation.RecordSource.SourceID)
- Local ID for audiovisual object (AVManifestation.RecordSource.SourceID)
- Local ID of the Person (Agent.Person.RecordSource.SourceID)
- Local ID of the Corporate Body (Agent.Corporation.RecordSource.SourceID)
- Local ID of the Person Group (Agent.Group.RecordSource.SourceID)
- Local ID of the Film Work (AVCreation.RecordSource.SourceID)
- Local ID of the Image/Text/Sound Work (NonAVCreation.RecordSource.SourceID)
- IDs for the keywords describing a Film Work (Identifier for the controlled vocabulary *and* the identifier of the term within the vocabulary) (AVCreation.Keywords.Term.ID)
- ID for the keyword describing an Image/Text/Sound Work (Identifier for the controlled vocabulary *and* the identifier of the term within the vocabulary) (NonAVCreation.Keywords.Term.ID)
- ID of a Film Work's description (either institutional name or URI from an online catalogue) (AVCreation.Description.Source)
- ID of a description for an Image/Text/Sound Work (NonAVCreation.Description.Source)

7.8 Examples: Data displayed in EFG portal

Screenshot 1: Detail page for an Image




The screenshot shows the EFG portal interface. At the top, there is a search bar and navigation links. The main content area displays a search result for 'Filmplakat Der blaue Engel'. A lightbox is open, showing a large image of the poster. The poster features a woman in a white dress and a man in a tuxedo, with the text 'der blaue Engel' and 'Marie Dietrich' visible. Below the image, there is a table of metadata.

Field	Value
Other title(s):	Poster "The Blue Angel"
Date created:	01.01.1930
Description:	Filmplakat Der blaue Engel , Grafik: Fischer-Nosbisch, 59 x 84 cm Poster The Blue Angel , art design: Fischer-Nosbisch, 59 x 84 cm Affiche Der blaue Engel , Graphique: Fischer-Nosbisch, 59 x 84 cm
Provenance:	FilmKunstGrafik. Ein Buch zur neuen deutschen Filmgrafik der sechziger Jahre. Frankfurt a. M., 2007. Anlässlich der Ausstellung FilmKunstGrafik im Deutschen Filmmuseum Frankfurt am Main 29.11.2007 bis 10.02.2008.
Provider:	Deutsches Filminstitut - DIF
Original format:	image/jpeg
Document type:	Poster

This example shows the detailed page of a poster. The `IsShownBy` link is activated and the image is displayed in a lightbox.

Screenshot 2: Detail page for a Video

Example 1: Film object as displayed in the EFG portal



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[VAMPYR](#)


RELATED NAMES

- Dreyer, Carl Th. | Screenplay
- Jul, Christen | Screenplay
- Maté, Rudolph | Director of photography
- Talby, Tonka | Editor
- Zeller, Wolfgang | Music composer

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Vampyr

Other title(s): Vampyr (L'étrange aventure de David Gray)
Allan Grays sælsomme hændelser
Vampyr (Die seltsame Geschichte des Allan Gray)

Genre: Feature film

Country: DE
FR

Year: 1932

Runtime: 75 min

Description: En ung mand, Allan Gray, ankommer til en kro ude på landet. Samme aften får han besøg af en ukendt mand, der beder ham om at hjælpe med at frelse en ung pige, der er i fare. Hun viser sig senere at være den ukendte mands datter. Kort efter bliver den ukendte mand, der bor på et stort gods, myrdet, og den unge mand må selv prøve at komme den unge pige til undsætning. Derfor giver han blod til en transfusion, forhindrer den syge kvinde i at tage gift, befrier hendes søster, der er bundet til en seng, og drager til sidst bort med hende. Desuden er det lykkedes ham at standse den forbandelse, der hvilede over egnen, ved sammen med tjeneren at drive en jernpæl gennem en gammel kvindelig vampyrs hjerte. Derefter sørger tjeneren for, at hendes medskyldige, lægen, bliver kvalt - i mel (fra "Carl Th. Dreyer født Nilsson" af Martin Drouzy, 1982).

A young man, Allan Gray, arrives at a countryside inn. At the very same evening an unknown man pays him a visit and asks him for help to save a young girl who is in great danger. As it turns out the girl is the unknown man's sister. Shortly after the visit the unknown man - resident at a great manor - is murdered, and Allan Gray has to come to the young girl's rescue all alone. He gives blood to a transfusion, prevents the sick woman from taking poison, sets her sister who is tied to a bed free, and finally sets out with her. Furthermore he has succeeded in putting an end to the curse that has been upon the locality; together with the servant he has driven an iron pile into the heart of an old female vampire. The servant makes sure that her accomplice, the doctor, suffocates - in flour.

Provider: Det Danske Filminstitut


Production company: Film-Production Carl Dreyer

Director: Dreyer, Carl Th.


Colour: Black & White

Sound: Without sound

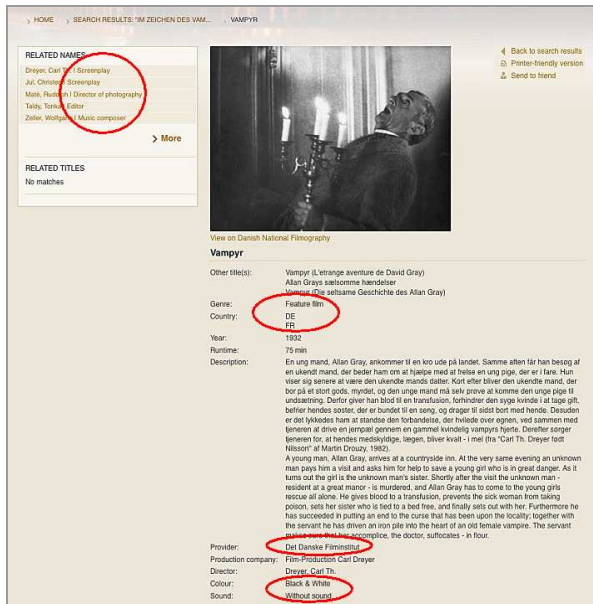
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Example 2: Homogenised values in the detail page of a film object



RELATED NAMES

- Dreyer, Carl Th. | Screenplay
- Juul, Christian | Screenplay
- Moss, Rudolph | Director of photography
- Tallberg, Torsten | Editor
- Zeller, Wolfgang | Music composer

RELATED TITLES

No matches

View on Danish National Filmography

Vampyr

Other titles: Vampyr (L'énigme aventure de David Gray)
Alan Grays sattemme hærdesider
Vampyr (Die sattemme Geschichte des Alan Gray)

Genre: Fantasy film

Country: DE
FR

Year: 1922

Runtime: 75 min

Description: En ung mand, Allan Gray, ankommer til en kro ude på landet. Samme aften får han besøg af en ukendt mand, der beder ham om at hjælpe med at helbrede en ung pige, der er i fare. Hun viser sig senere at være den ukendte mands søster. Kort efter bliver den ukendte mand, der bor på et stort gods, myrdet, og den unge mand må selv prøve at komme den unge pige til undsætning. Derfor giver han hende til en transaktion, forhindrer den unge kvinde i at tage gift, befrier hendes søster, der er bundet til en seng, og drager til sidst bort med hende. Desuden er det lykkedes ham at standse den forbandelse, der hvilede over ejeren, ved sammen med tjenesten at drive en jernbane gennem en gammel kende vampyr bygd. Desuden søger tjenesten for, at hendes mædskhed, lægen, bliver kvælt i mæl (fra "Carl Th. Dreyer toot Nisser" af Martin Dracup, 1982).

A young man, Allan Gray, arrives at a countryside inn. At the very same evening an unknown man pays him a visit and asks him for help to save a young girl who is in great danger. As it turns out the girl is the unknown man's sister. Shortly after the visit the unknown man - resident at a great manor - is murdered, and Allan Gray has to come to the young girl's rescue all alone. He gives blood to a transduction, prevents the sick woman from taking poison, sets her sister who is tied to a bed free, and finally sets out with her. Furthermore he has succeeded in putting an end to the curse that has been upon the locality, together with the servant he has driven an iron pole into the heart of an old female vampire. The servant makes sure that her accomplice, the doctor, suffocates - in flour.

Provider: Det Danske Filminstitut

Production company: Film-Produktion Carl Dreyer

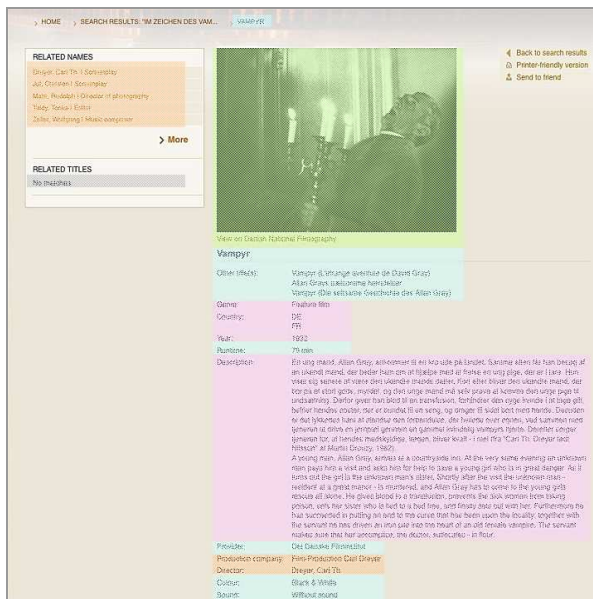
Director: Dreyer, Carl Th.

Colour: Black & White

Sound: Without sound

The terms in the red circles were homogenised to controlled EFG vocabulary terms. This is the result of the matching work carried out by the contributing archives. In this example the following data elements are controlled by vocabularies: related name types, genre category, country, provider name, colour, sound.

Example 3: Metadata from the EFG schema shown in the detailed page of a film object



RELATED NAMES

- Dreyer, Carl Th. | Screenplay
- Juul, Christian | Screenplay
- Moss, Rudolph | Director of photography
- Tallberg, Torsten | Editor
- Zeller, Wolfgang | Music composer

RELATED TITLES

No matches

View on Danish National Filmography

Vampyr

Other titles: Vampyr (L'énigme aventure de David Gray)
Alan Grays sattemme hærdesider
Vampyr (Die sattemme Geschichte des Alan Gray)

Genre: Fantasy film

Country: DE
FR

Year: 1922

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Description: En ung mand, Allan Gray, ankommer til en kro ude på landet. Samme aften får han besøg af en ukendt mand, der beder ham om at hjælpe med at helbrede en ung pige, der er i fare. Hun viser sig senere at være den ukendte mands søster. Kort efter bliver den ukendte mand, der bor på et stort gods, myrdet, og den unge mand må selv prøve at komme den unge pige til undsætning. Derfor giver han hende til en transaktion, forhindrer den unge kvinde i at tage gift, befrier hendes søster, der er bundet til en seng, og drager til sidst bort med hende. Desuden er det lykkedes ham at standse den forbandelse, der hvilede over ejeren, ved sammen med tjenesten at drive en jernbane gennem en gammel kende vampyr bygd. Desuden søger tjenesten for, at hendes mædskhed, lægen, bliver kvælt i mæl (fra "Carl Th. Dreyer toot Nisser" af Martin Dracup, 1982).

A young man, Allan Gray, arrives at a countryside inn. At the very same evening an unknown man pays him a visit and asks him for help to save a young girl who is in great danger. As it turns out the girl is the unknown man's sister. Shortly after the visit the unknown man - resident at a great manor - is murdered, and Allan Gray has to come to the young girl's rescue all alone. He gives blood to a transduction, prevents the sick woman from taking poison, sets her sister who is tied to a bed free, and finally sets out with her. Furthermore he has succeeded in putting an end to the curse that has been upon the locality, together with the servant he has driven an iron pole into the heart of an old female vampire. The servant makes sure that her accomplice, the doctor, suffocates - in flour.

Provider: Det Danske Filminstitut

Production company: Film-Produktion Carl Dreyer

Director: Dreyer, Carl Th.

Colour: Black & White

Sound: Without sound

Legend

Lavender: AVCreation

Blue: AVManifestation


Green: Item

Grey: AVCreation Relation

Orange: Agent Relation

This figure shows from which parts of the EFG metadata schema the according data come.

Screenshot 3: Detail page for a Text document



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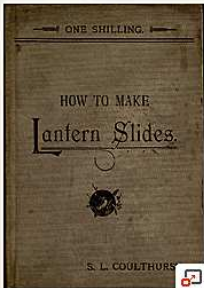
Find films, photos and texts from the collections of Europe's film archives

Search

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[HOW TO MAKE LANTERN SLIDES](#)

RELATED NAMES
 Coulthurst, Samuel Lawrence | Author(s)

RELATED TITLES
 No matches



[View on cineressource.net](#)

How to make lantern slides


Author(s):	Coulthurst, Samuel Lawrence
Date created:	01.01.1898
Description:	81 p. : fig., ill. ; 18 cm
Collection:	Ouvrages précieux
Provenance:	La Cinémathèque Française
Provider:	La Cinémathèque Française
Rights:	Samuel Lawrence Coulthurst
Original format:	text/pdf
Document type:	Book
Language:	en

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1 2 3


9 Results




The art of projecting
 Book
 1888
 La Cinémathèque Française



The magic lantern
 Book
 1866
 La Cinémathèque Française





The magic lantern manual
 Book
 1885
 La Cinémathèque Française

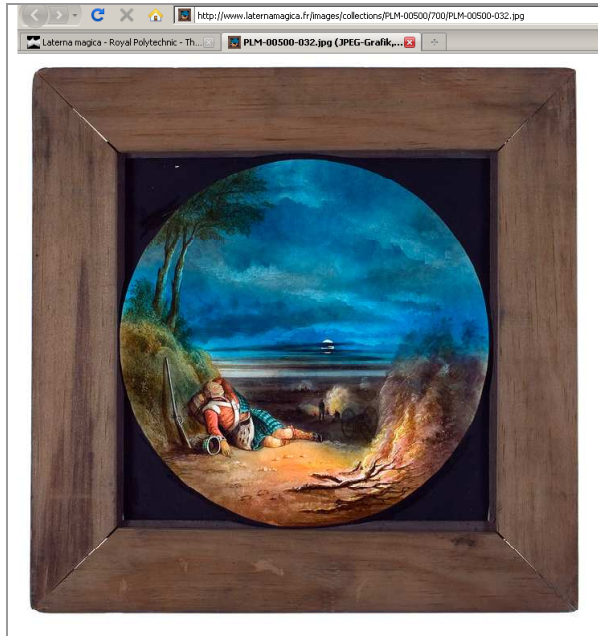


The Optical Magic Lantern Journal and ...
 Book
 1898
 La Cinémathèque Française

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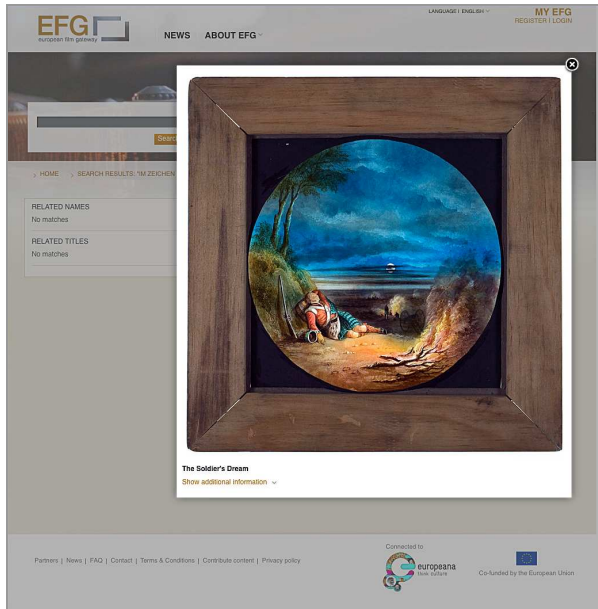
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Screenshot 4: Examples for digital objects as viewed via the Item.IsShownBy link**Example 1: Image**

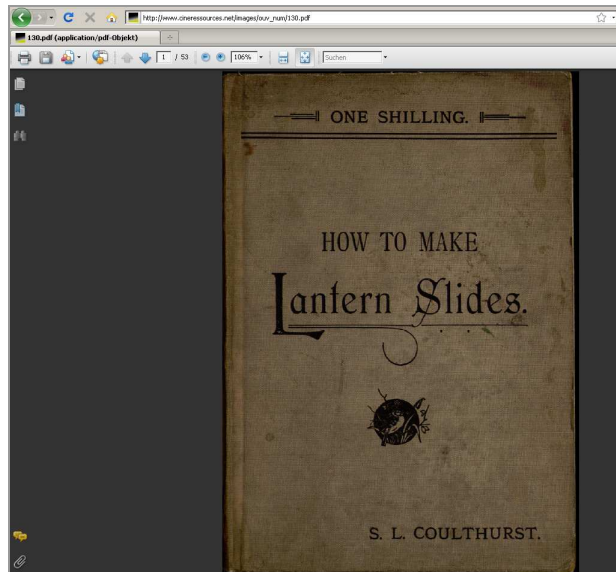
The **IsShownBy** element contains a URL that links directly to the digital object. Here the URL leads directly to the image itself (note the “jpg” extension in the URL): <http://www.laternamagica.fr/images/collections/PLM-00500/700/PLM-00500-032.jpg>.

This is how a Data Provider should deliver an **IsShownBy** link for images to EFG.



In the EFG portal images are displayed in a lightbox when the user clicks on the thumbnail. The image embedded in the portal's lightbox is produced from the **IsShownBy** URL the Data Provider has delivered (see example above).

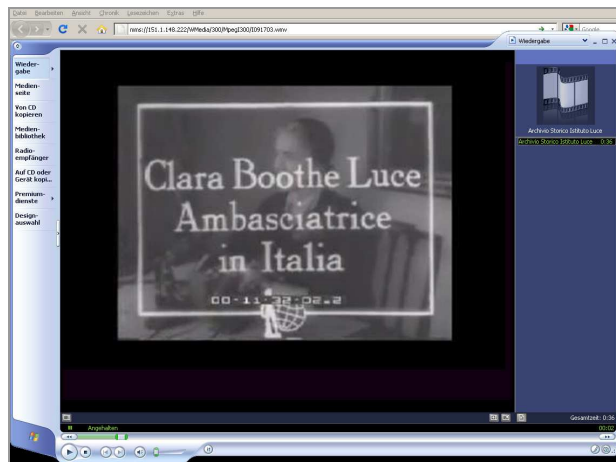
Example 2: Text



Text documents are shown on the provider's web space (not in the EFG portal as images and videos). The URL of the **IsShownBy** element leads directly to the text document itself (note the "pdf" extension in the URL):

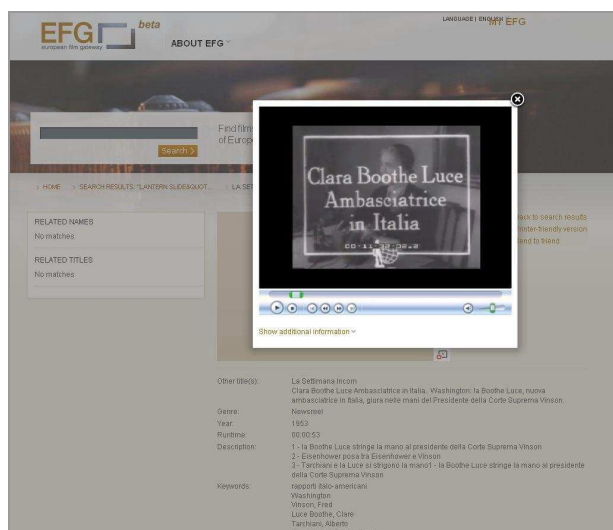
http://www.cineressources.net/images/ouv_num/130.pdf. This is how a provider should deliver an **IsShownBy** link for text documents to EFG.

Example 3: Video



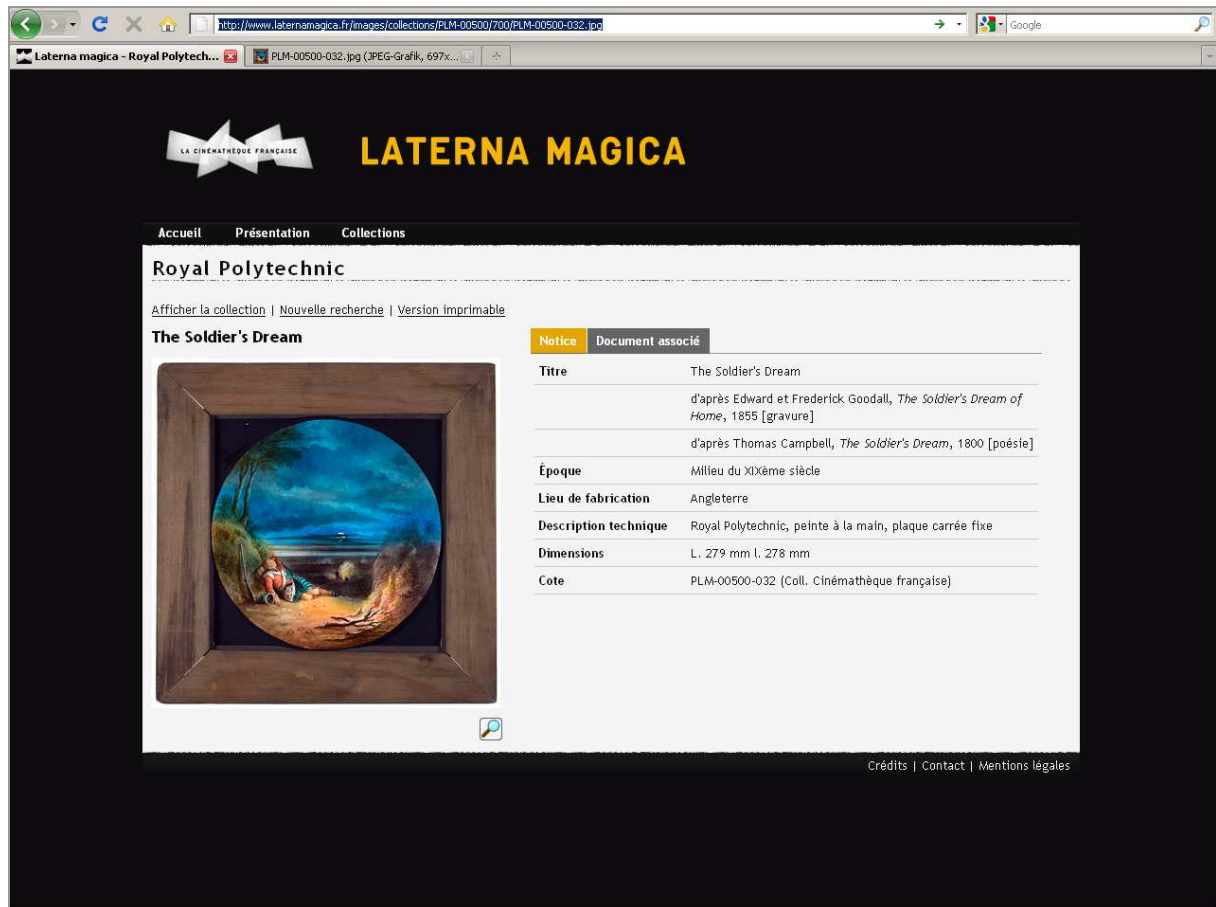
Here the **IsShownBy** leads directly to the video itself which opens in an external media player (note the "wmv" extension in the URL): <mms://151.1.148.222/WMedia/300/MpegI300/1091703.wmv>.

This is how a Data Provider should deliver an **IsShownBy** link for videos to EFG.



In the EFG portal videos are displayed in a lightbox which appears when the user clicks on the thumbnail. The video embedded in the portal's lightbox is produced from the **IsShownBy** element delivered by the provider (see example above).

Screenshot 5: Digital object as viewed via the Item.IsShownAt link



The element **Item.IsShownAt** contains a URL to the provider's website which shows the digital object embedded in its full informational context. As can be seen in this example the digital image is embedded in an HTML web page, URL: <http://www.laternamagica.fr/notice.php?id=750>.

8 APPENDIX II – Export Samples from EFG to Europeana (ESE Format)

The table hereunder shows how the data from three example records of the EFG database are mapped to the Europeana Semantic Element metadata format. In this format the EFG Data are currently transferred to Europeana. As can be seen in this table the ESE format stores only a subset of the EFG data which are those belonging directly to a digital object. Hence, the EFG database functions as a kind of a filter through which only a reduced version of the EFG Data is delivered to Europeana. Once the new Europeana Data Model (EDM) has been released, Europeana will be able to manage and display more comprehensive data from the EFG database. At this stage, EFG Data Providers will have to decide whether they want to forward their complete data or whether they want to submit a reduced version of their data (similar to the ESE format) to Europeana. Which kind of information EFG currently forwards to Europeana can be seen in this table⁶:

ESE Element	Obligation	Video sample	Image sample	Text sample
DC:TITLE	Optional (but mandatory if no dc:description is provided)	Roma - la presentazione della rivista La settimana Incom	Berlin: Hasenheide	Rio de Janeiro
DC:CREATOR	optional			
DC:SUBJECT	optional (mandatory to supply either dc:subject or dc:type or dc:spatial or dc:coverage)	cinegiornale; editoria; La Settimana Incom; Notari, Guido; Roma		Jugendfrei
DC:DESCRIPTION	optional (but mandatory if no dc:title is provided)	1 - Roma 2 - due amici si incontrano in via e commentano sulla nuova rivista La settimana Incom 3 - Notari scioglie l'equivoco che si è creato tra i due uno parla del cinegiornale, l'altro della rivista 4 - negli stabilimenti della Incom due mani capaci predispongono dalla pellicola un frame per utilizzarlo nel rotocalco	Scene from "Berlin: Hasenheide" Scène de "Berlin: Hasenheide" Szene aus "Berlin: Hasenheide"	
DC:PUBLISHER	optional			

⁶ For more information about ESE please refer to the guidelines on Europeana's technical requirements page: <http://www.version1.europeana.eu/web/guest/technical-requirements>.

DC:DATE	optional	1948	2010	1935-03-07
DC:TYPE	optional (mandatory to supply either dc:subject or dc:type or dc:spatial or dc:coverage)	Newsreel	Film still	Censorship card
DC:FORMAT	optional	video/x-ms-wmv	image/jpeg	image/jpeg
DC:IDENTIFIER	optional	SVHS-C00044	2DAFAEBEBD9446A6A39A1E0DF83A 3E58_fn075157_pic_04.jpg	100
DC:SOURCE	optional	Cinecittà Luce S.p.A.	Deutsches Filminstitut - DIF	Filmarchiv Austria
DC:LANGUAGE	optional			German
DC:RIGHTS	optional	Cinecittà Luce S.p.A.		Please contact the Filmarchiv Austria for information about the rights holders.
DCterms:PROVENANCE	optional	Cinecittà Luce S.p.A.	Nana Rebhan	
Dcterms:SPATIAL	optional (mandatory to supply either dc:subject or dc:type or dc:spatial or dc:coverage)	ITALY		
Dcterms:TEMPORAL	optional (mandatory to supply either dc:subject or dc:type or dc:spatial or dc:coverage)			
Europeana.ISSHOWNBY	optional (but mandatory if no isShownAt is provided)	mms://151.1.148.222/WMedia/300/MpegI300/I 021708.wmv	http://www.filmportal.de/public/pics/IEpics/10/2DAFAEBEBD9446A6A39A1E0DF83A3E58_fn075157_pic_04.jpg	http://www.filmarchiv.at/efg/censorshipcards/00448_FAA_CEN_070335_P1.pdf
Europeana.ISSHOWNAT	optional (but mandatory if no isShownBy is provided)		http://www.filmportal.de/df/a7/Artikel,,,,,,91F560408C3FF4E9E040007F01001D66,,,,,,,,,,,,,,,,,,,,,,,,,,,,.html	
Dcterms:ALTERNATIVE	optional			

Dcterms:CREATED	optional	1948	2010	1935
Dcterms:EXTENT	optional	00:00:48		194x210 mm ; 76 kb
EUROPEANA:OBJECT	optional	mms://151.1.148.222/WMedia/300/MpegI300/I021708.wmv		http://www.filmarchiv.at/efg/thumbs/censorshipcards/T_00448_FAA_CEN_070335_P1.jpg
EUROPEANA:LANGUAGE	mandatory	<i>provided by Europeana</i>	<i>provided by Europeana</i>	<i>provided by Europeana</i>
EUROPEANA:PROVIDER	mandatory	EFG - The European Film Gateway	EFG - The European Film Gateway	EFG - The European Film Gateway
EUROPEANA:dataProvider	recommended	Cinecittà Luce S.p.A.	Deutsches Filminstitut - DIF	Filmarchiv Austria
EUROPEANA:TYPE	mandatory	Video	Image	Text
EUROPEANA:URI	mandatory	<i>provided by Europeana</i>	<i>provided by Europeana</i>	<i>provided by Europeana</i>
EUROPEANA:YEAR	optional	<i>provided by Europeana</i>	<i>provided by Europeana</i>	<i>provided by Europeana</i>
EUROPEANA:HASOBJECT	mandatory	<i>provided by Europeana</i>	<i>provided by Europeana</i>	<i>provided by Europeana</i>
EUROPEANA:COUNTRY	mandatory	Italy	Germany	Austria
EUROPEANA:RIGHTS	mandatory	Rights Reserved - Free Access	Rights Reserved - Free Access	Rights Reserved - Free Access

Image displayed in the Europeana portal delivered by EFG

Matches for: Filmarchiv Austria Rio de Janeiro

Item details

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 Free Access

 **Rio de Janeiro**

Title:  Rio de Janeiro

Date: [1935]; 1935-03-07

Language: DE

Format: 194x210 mm ; 76 kb

Source:  Filmarchiv Austria

Europeana rights: [Rights Reserved - Free Access](#)

Rights: Auskunft zu den Rechteinhabern erteilt das Filmarchiv Austria.
Please contact the Filmarchiv Austria for information about the rights holders.

Data provider:  Filmarchiv Austria

Provider:  EFG - The European Film Gateway;  Austria

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