



europeana

Common Culture Capacity Building

Fred Truyen
Input from Ola Nowak, Sofie Taes, Tomasz
Parkola | **Common Culture**

Balletklas van dansschool Crielaars
Zuiden, Fotopersbureau Het
1955, Stadsarchief 's-Hertogenbosch
Netherlands, CC BY-SA



Co-financed by the Connecting Europe
Facility of the European Union





Little refugee,
Evian 1916

Agence Rol
gallica.bnf.fr /
Bibliothèque
Nationale de
France.

COMMON CULTURE

24

Full partners



PROJECT OBJECTIVES



4 million Tier 2+

4 million records improved in Europeana Collections to Tier 2, 3 or 4



1.7 million Tier 3+

1.7 million records improved in Europeana Collections to Tier 3 or 4



Policy recommendations

A policy document and recommendations on the landscape of national aggregators in Europeana



Pilots

Pilots with Linked Open Data, Wikidata, Feedback Loop and 3D content



Training

Training and workshops developed and run for national aggregators

Maria Tănase × Adaugă termen de căutare

RAFINEAZĂ CĂUTARE

COLECȚII

- ☒ All Items
- ☐ 1914-1918
- ☐ Archaeology
- ☐ Art
- ☐ Fashion

Mai mult ▾

FIȘIER MEDIA

- ☐ Imagine (46)
- ☐ Videoclip (3)
- ☐ Sunet (1)
- ☐ Text (1)
- ☐ Doar înregistrări cu legături către fișiere media

POT FOLOSI? ? ▾

13 - 24 din 51 rezultate

Pe pagină: 12

GRILĂ LISTĂ



Bukarest: Wohnung von Maria ...



Bukarest: Wohnung von Maria ...




Bukarest: Wohnung von Maria ...



Bukarest: Wohnung von Maria ...





Aggregation DNA

Arrival of a Portuguese ship
Anonymous

1660 - 1625, Rijksmuseum
Netherlands, Public Domain

Aggregation DNA

What is your mission as an aggregator?

A common mission of NA is:

- Give access to cultural heritage objects
 - especially free access
 - in high quality
 - single point of access
- Promote resources and cultural heritage of their country
- To set up quality standards and create high quality data and metadata

Aggregation DNA

- Cross-domain (except one)
 - Libraries
 - Museums
 - Archives
- Majority is established by governmental body with a legal mandate to run NA (13 NAs)

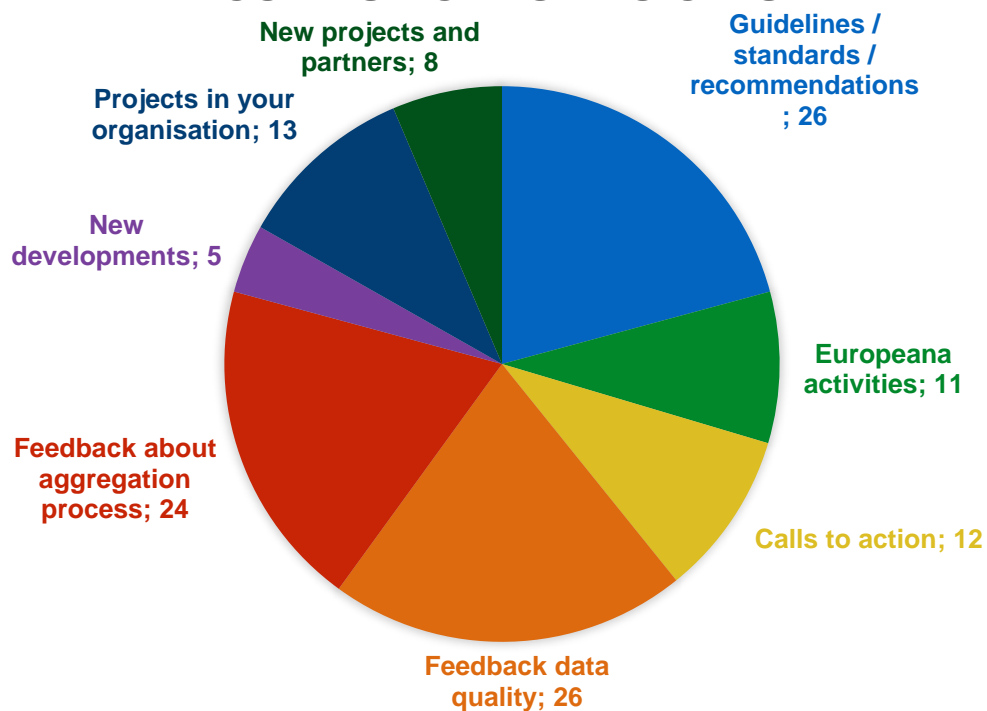
Communication



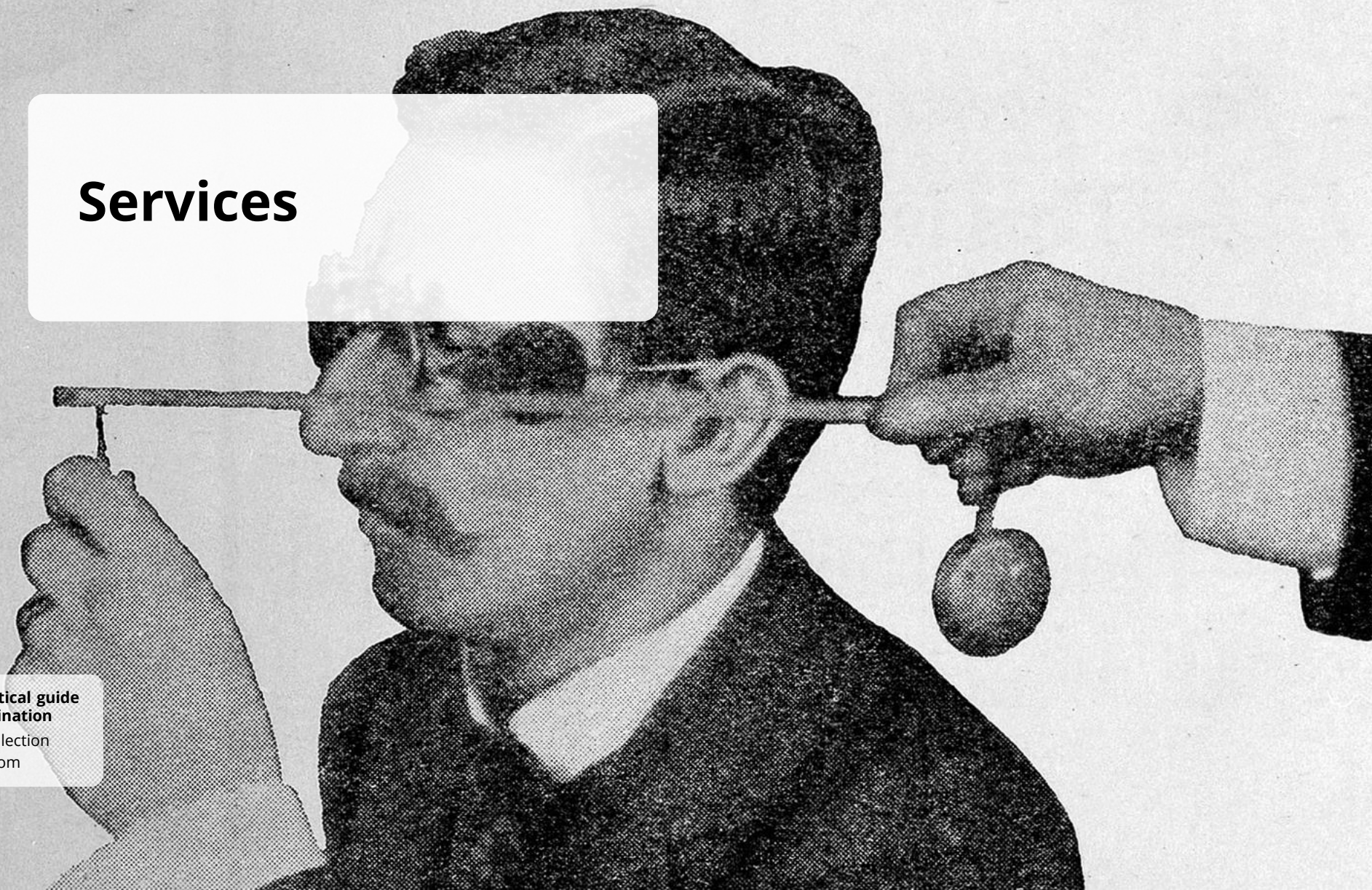
på fodtour
Adolph Kittendorff
1877, Statens Museum for Kunst
Denmark, CC0

Communication

COMMUNICATION TO CHI'S



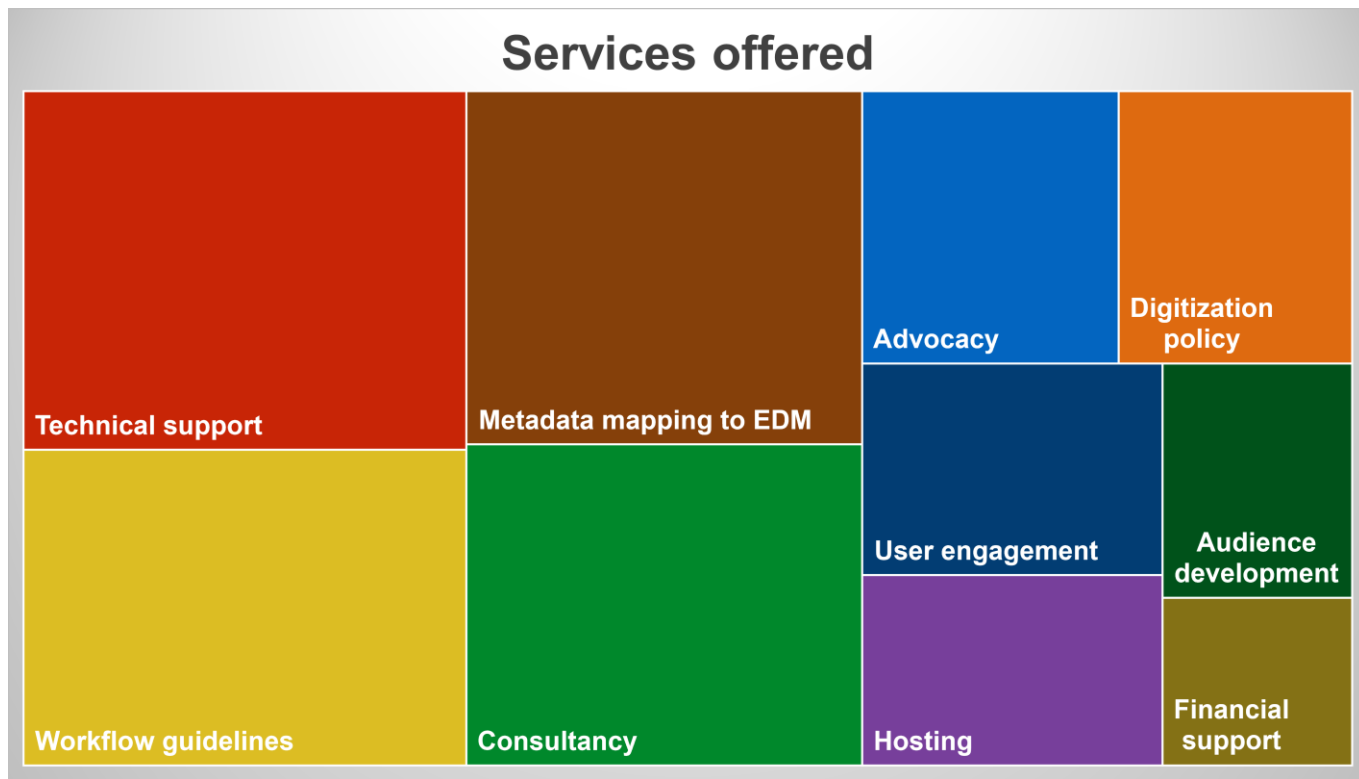
Services



**Snell, A practical guide
to the examination**

Wellcome Collection
United Kingdom

Services

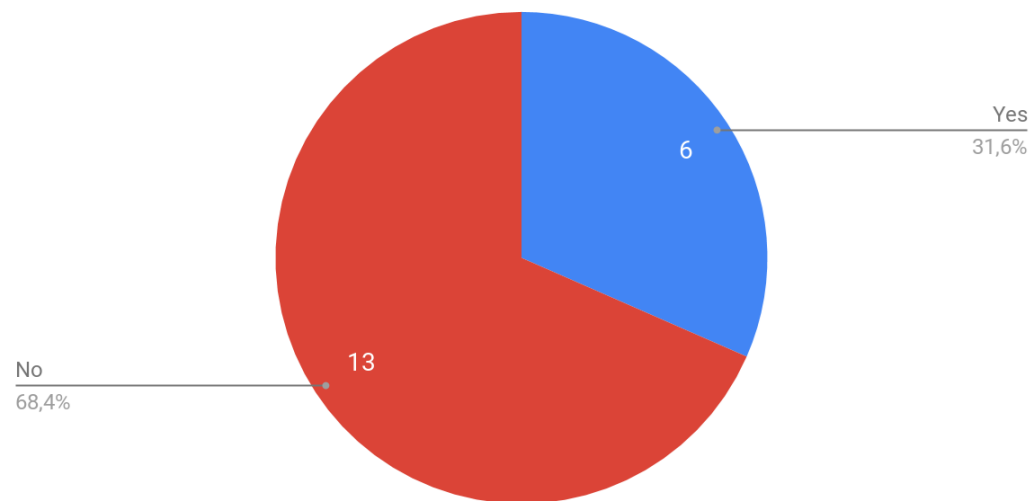


Services

Gap analysis

- IPR
- Metadata mapping
- Archiving
- Digital exhibitions
- 3D and video objects

3.3 Are there any gaps in your services / unserved requests by CHI's you can identify?

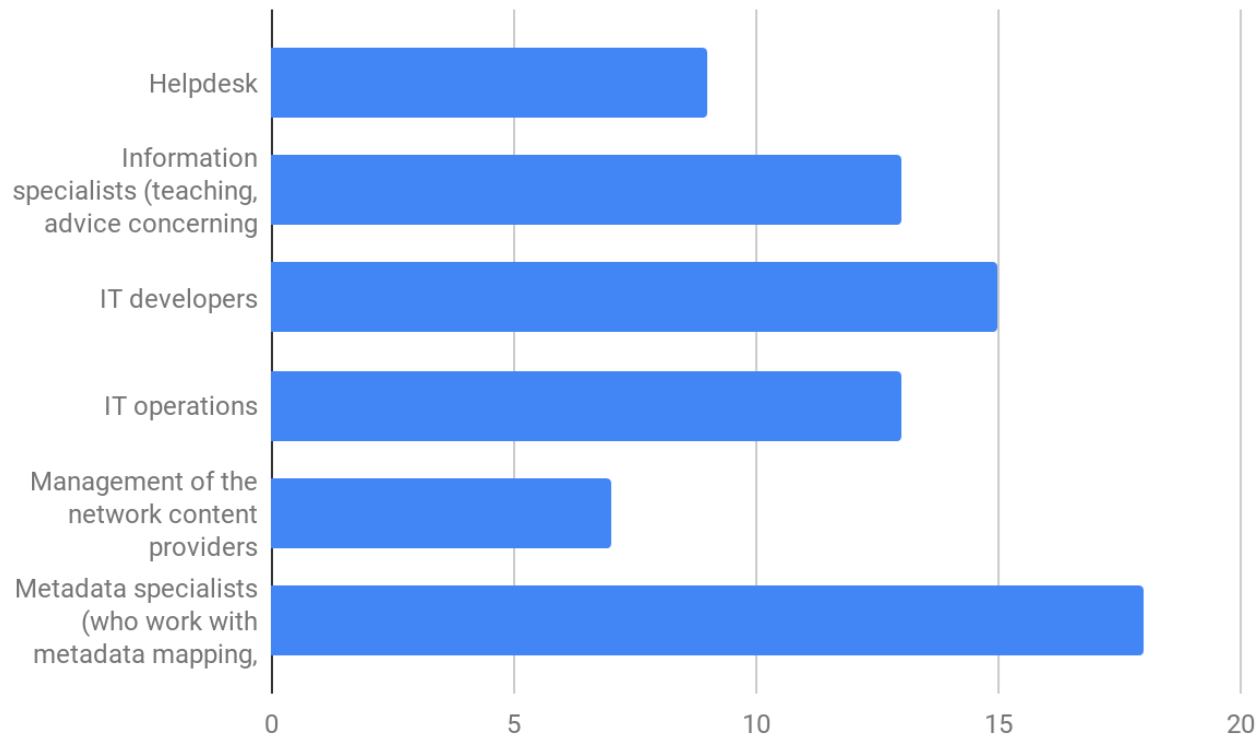


Staff / capacity / expertise

The masquerade ball
Pesne, Antoine
National Digital Library
Finland, CC0



Staff



Key staff

- Metadata & information specialists
- IT operations & IT developers
 - 40% of developers are outsourced

Expertise

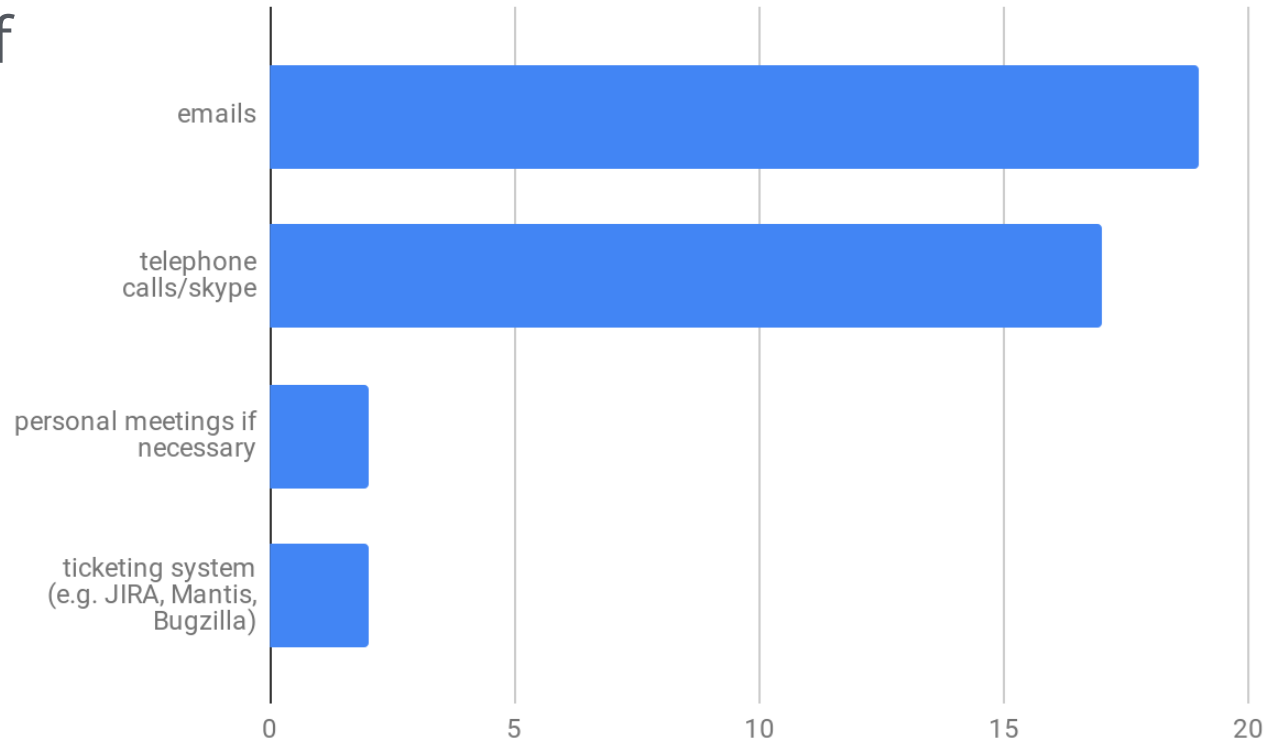
Please describe what kind of support do you offer

Type of support:

- Technical:
 - general technical support
 - infrastructure
- data related:
 - metadata modelling
 - data quality

Expertise

How data providers can contact you in case of questions/problems?



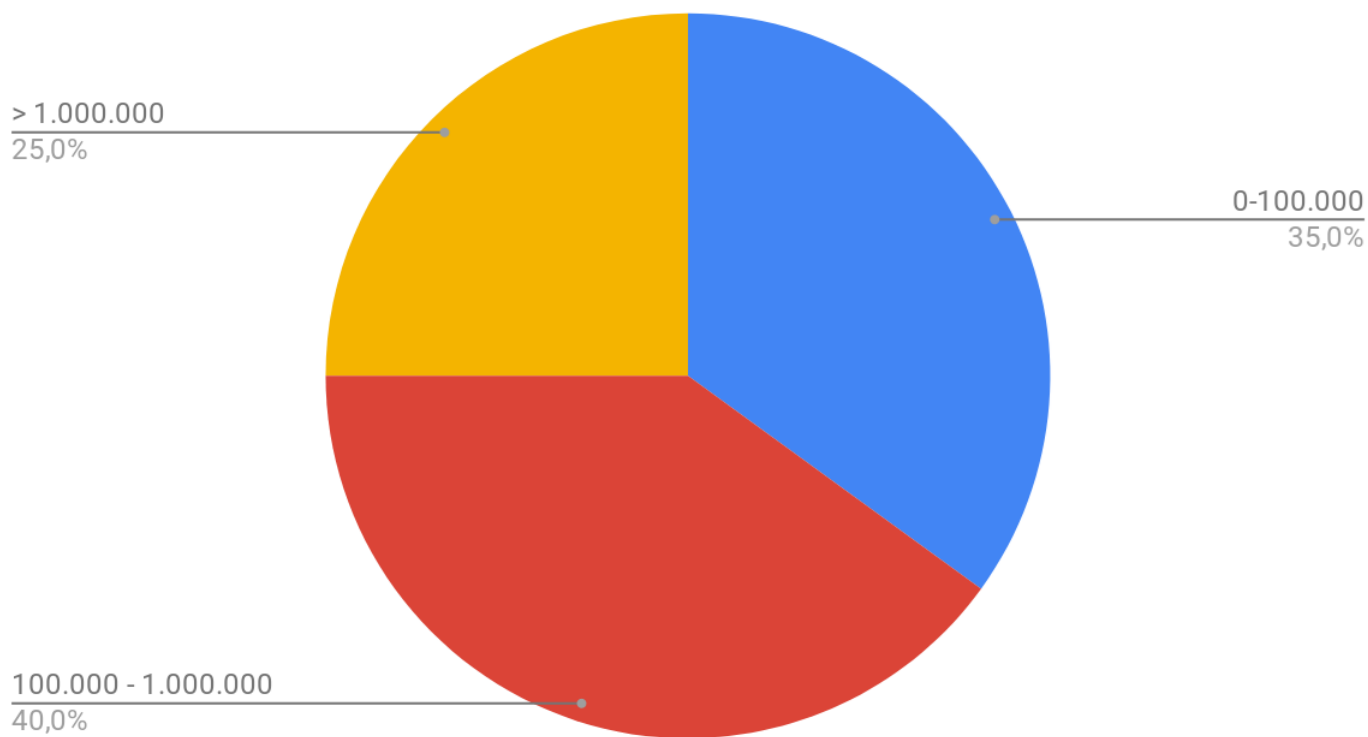
Data



på fodtour
Adolph Kittendorff
1877, Statens Museum for Kunst
Denmark, CC0

Data

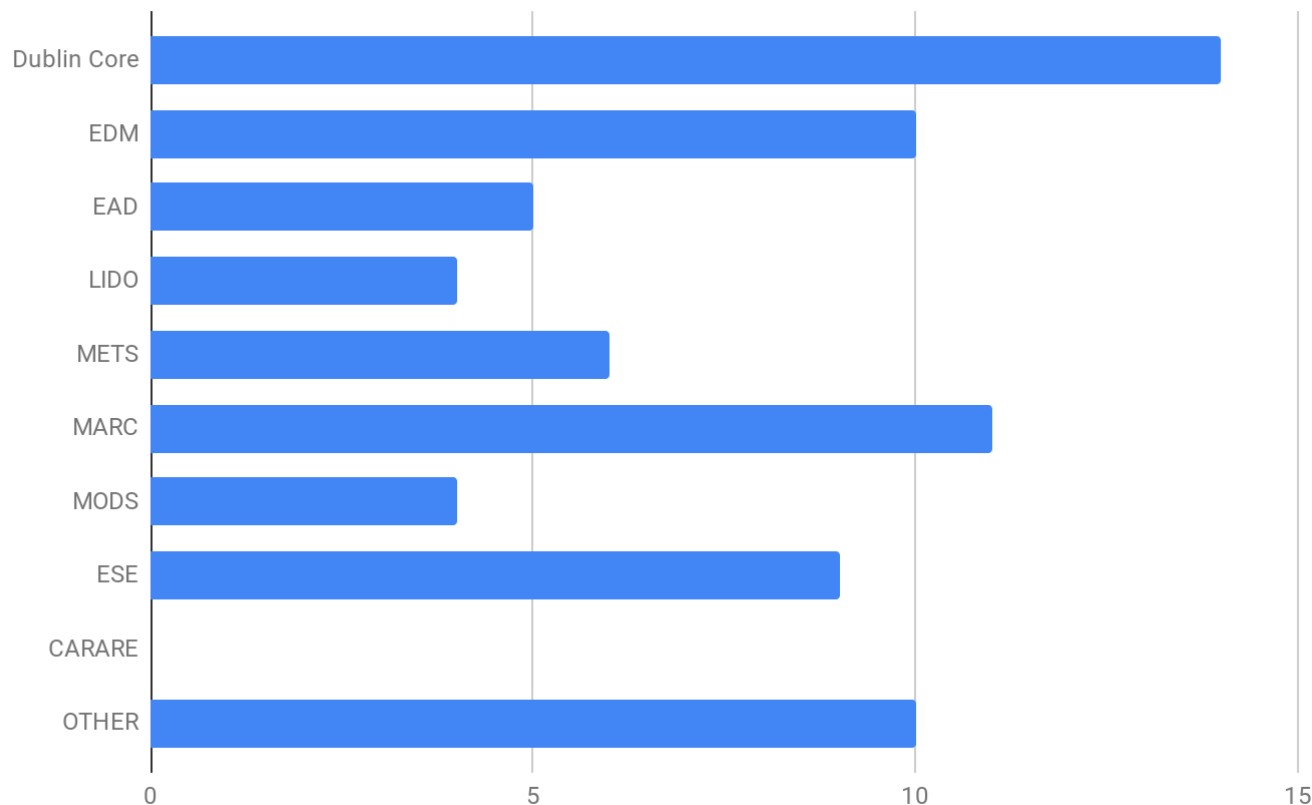
5.1 How many objects have you aggregated so far?



Supported formats

Diversity

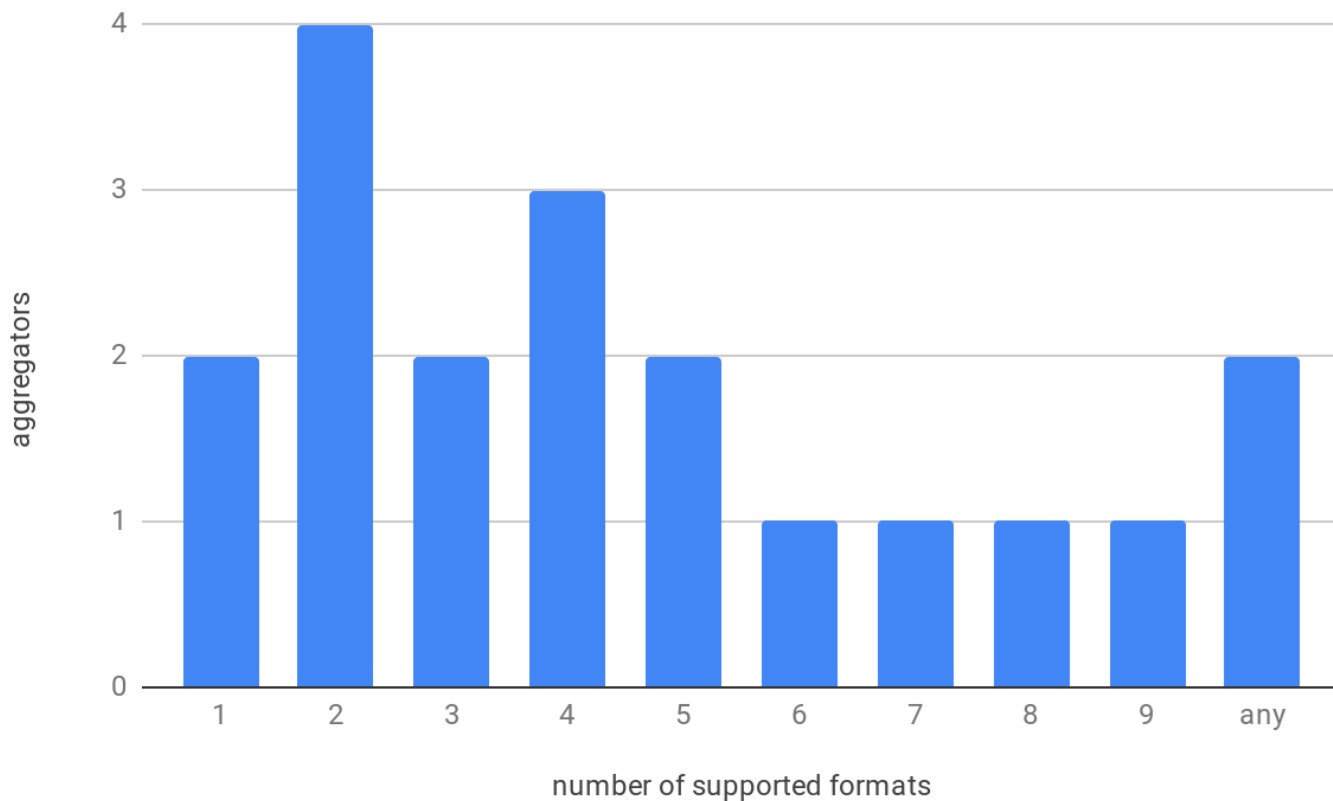
5.4 For incoming data: what metadata formats/models do you support?



Supported formats

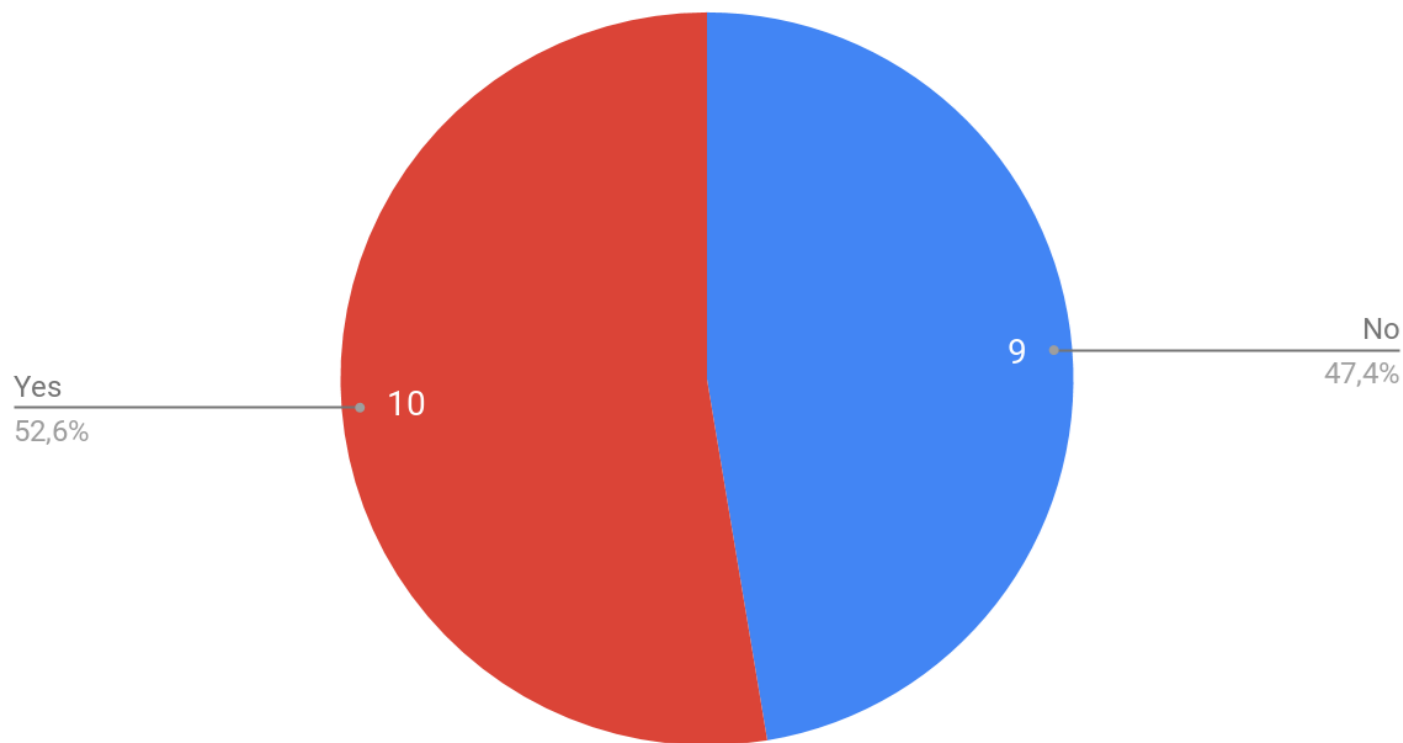
Flexibility &
Mappings

Majority
supports
4 or more
formats



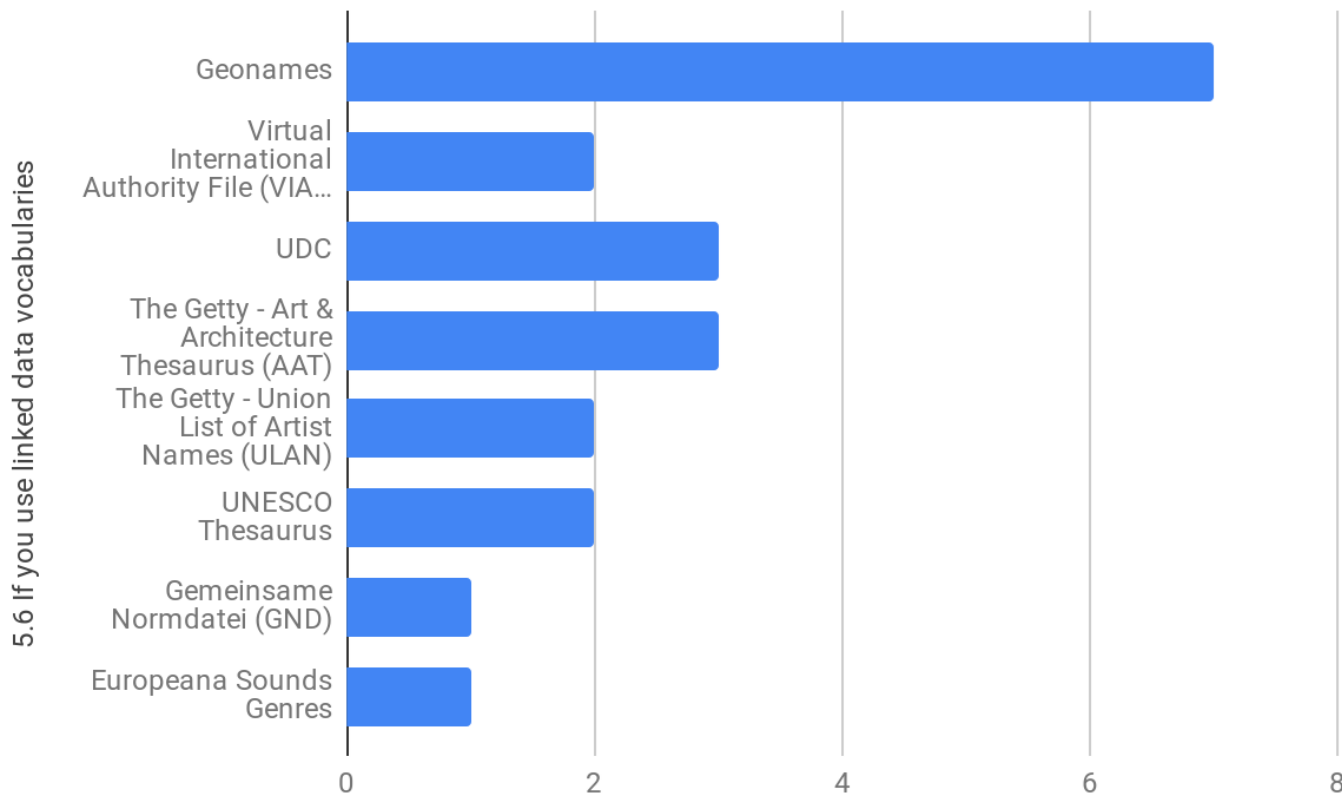
Vocabularies

5.5 Do you use any linked data vocabularies?



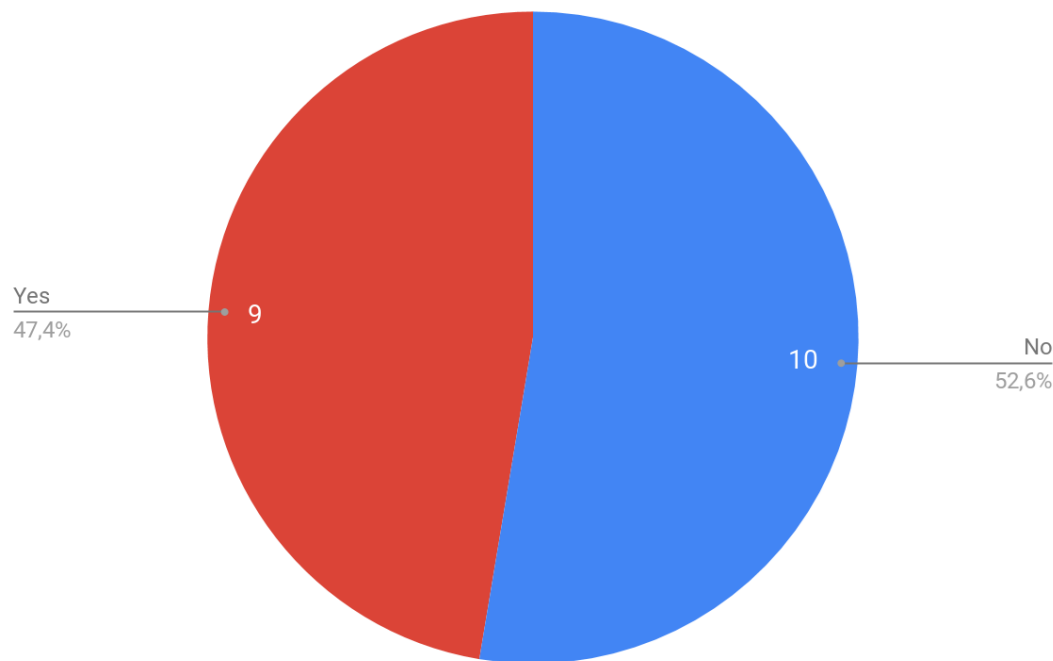
Vocabularies

Geonames & Getty



Content aggregation

5.8 Do you aggregate content as well as metadata? (digital files that represent the objects, e.g. image files). Meaning that the digital files are stored in your aggregator infrastructure



A detailed still life painting by Adriaen van Utrecht, titled 'Banquet Still Life'. The scene is set on a dark wooden table covered with a white cloth. In the center, a large, cooked red lobster is the focal point, surrounded by various fruits including lemons, peaches, and bunches of white and red grapes. To the left, a golden, ornate vessel sits on a stand, and a large, open pie or cake is visible. A parrot with vibrant red, blue, and green feathers perches on a stand in the upper left corner. The background is dark and filled with more fruit and foliage, creating a rich and detailed composition.

Technical infrastructure

Banquet Still Life
Adriaen van Utrecht
1644, Rijksmuseum
Netherlands, Public Domain

Software used

The most common attempt to modules development (for all the modules listed in the question: registration, Digital Asset Management, customer relationship management. Vocabulary Management, harvesting, mapping, Content Management System, storage system, processing: enrichment, validation etc., search, collection portal, external API) was **in-house** and/or **open-source**. Even more operate the system in their **own data centre**.

Hardware

Varies between aggregators and they are usually adjusted size-wise to how big the aggregator is. Some of the aggregators use a quite advanced setup (with modern technologies) like Ceph, Hadoop, MongoDB clusters.

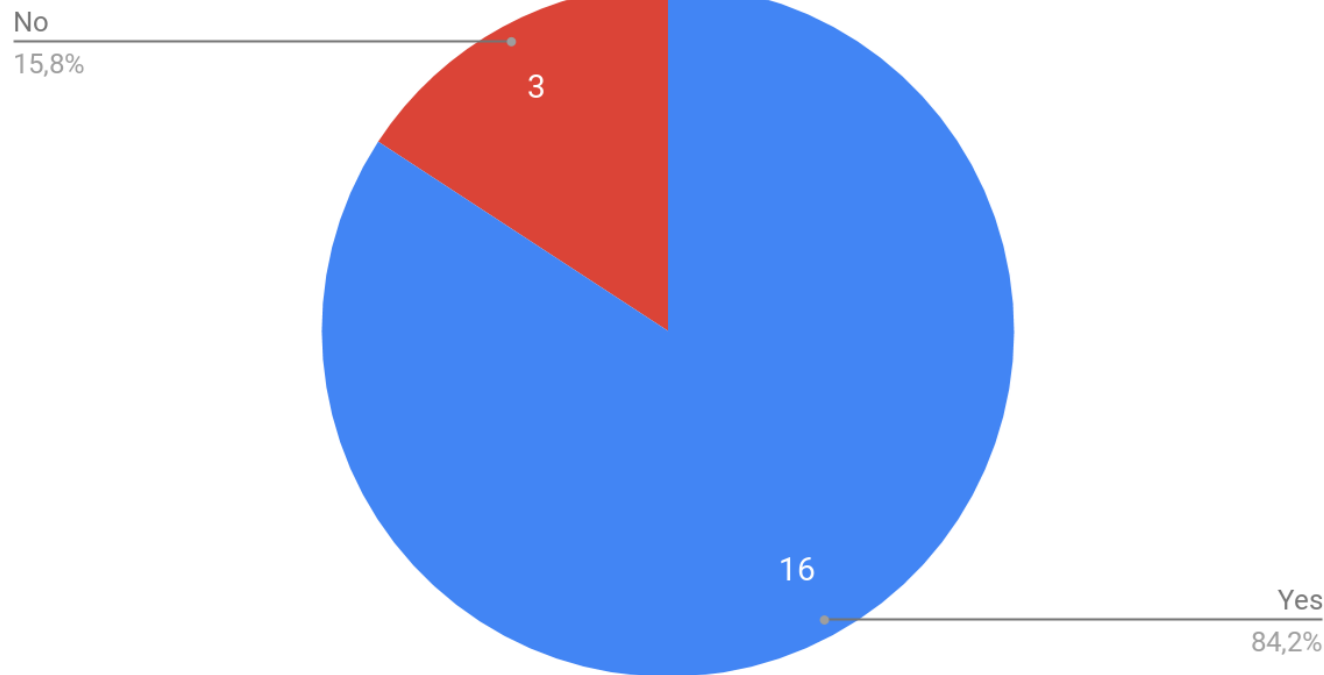
The overall impression is that NAs use SoTA technologies.

Functional modules

Banquet Still Life
Adriaen van Utrecht
1644, Rijksmuseum
Netherlands, Public Domain

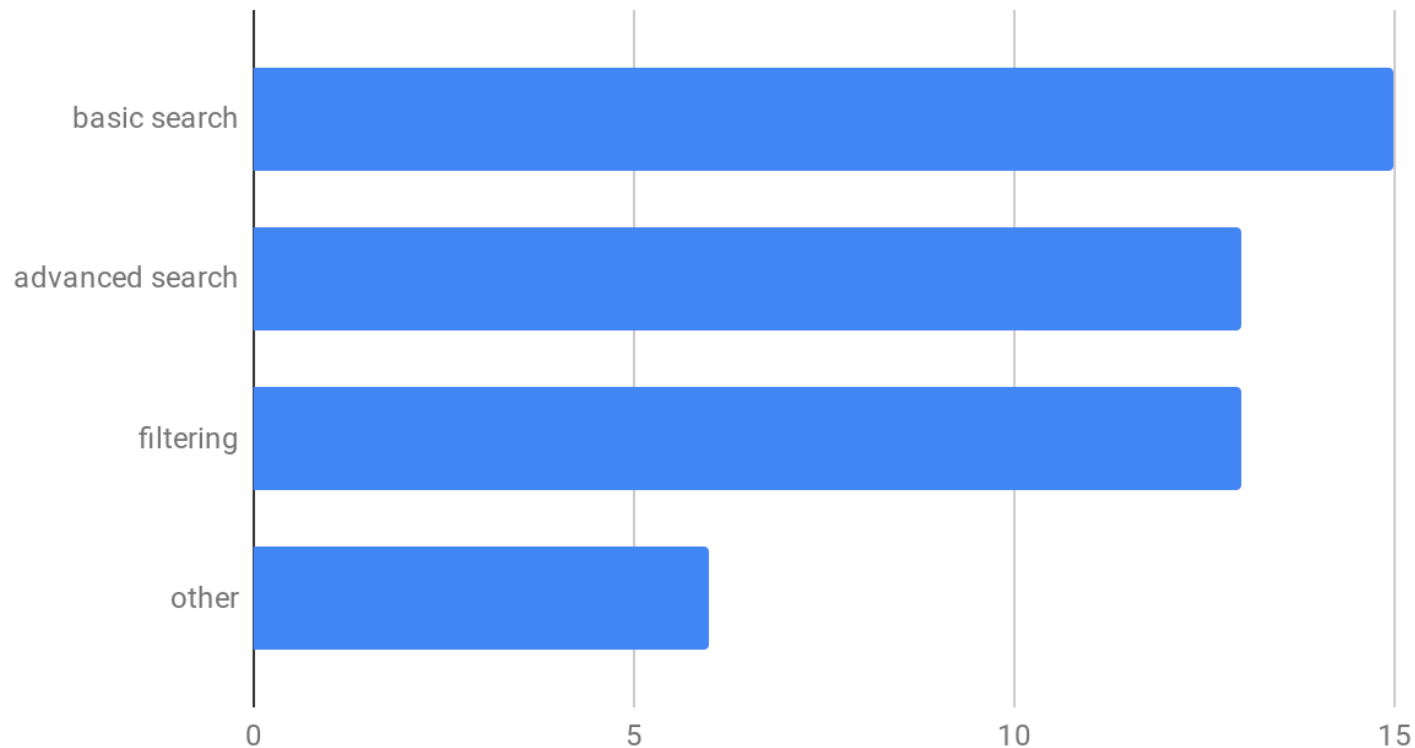
Key feature: search

7.1 Do you have a search portal?



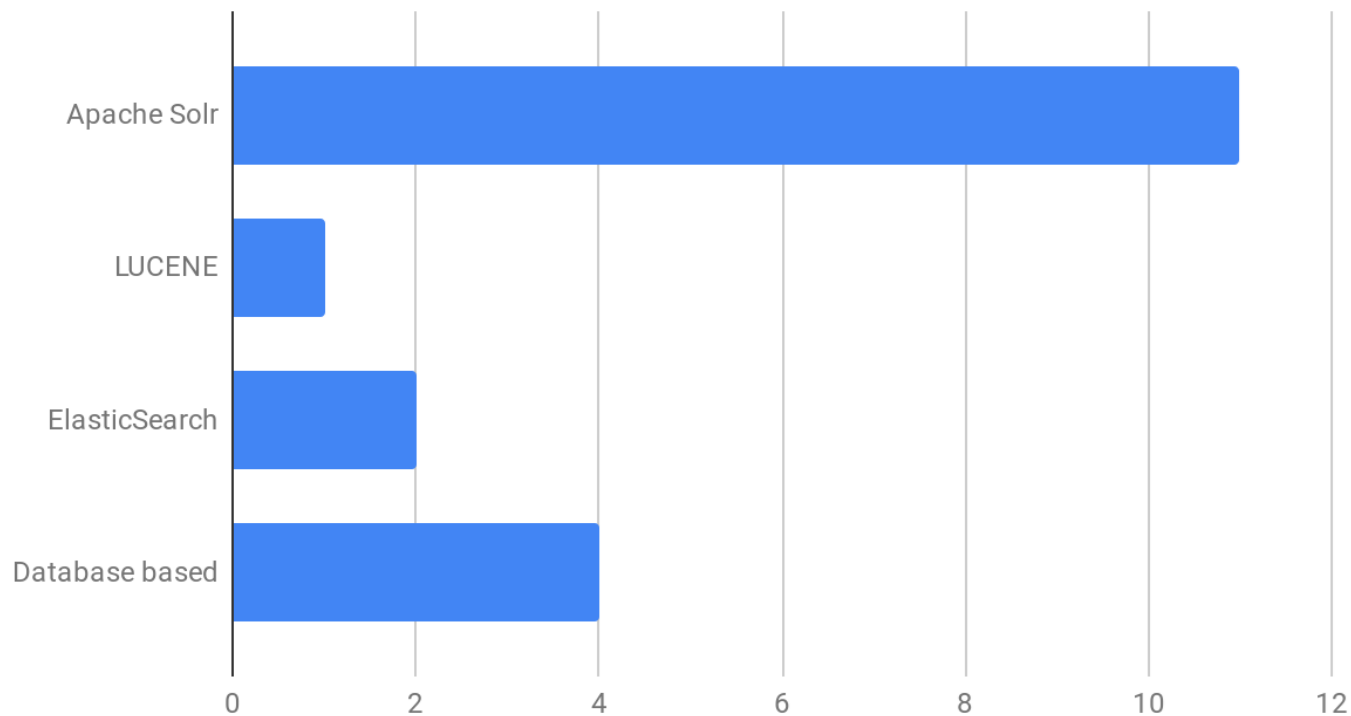
Key feature: search

7.2 What are the functionalities of the search portal?



Key feature: search

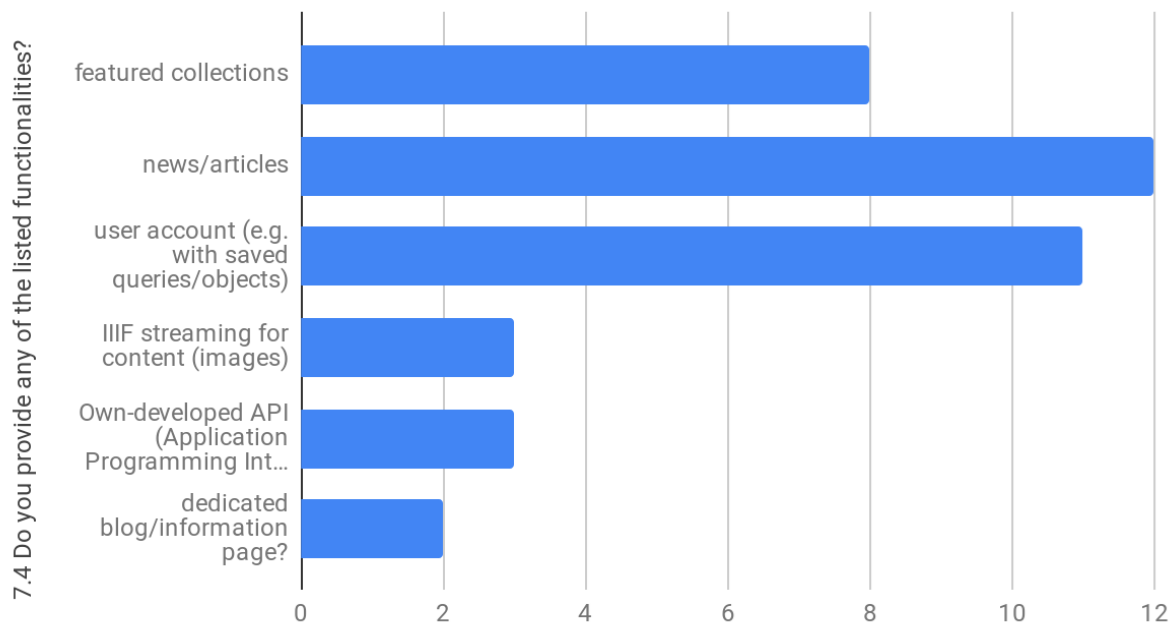
7.3 What software was used for the search engine?



Other features

- News and articles
- User account
- Featured collections

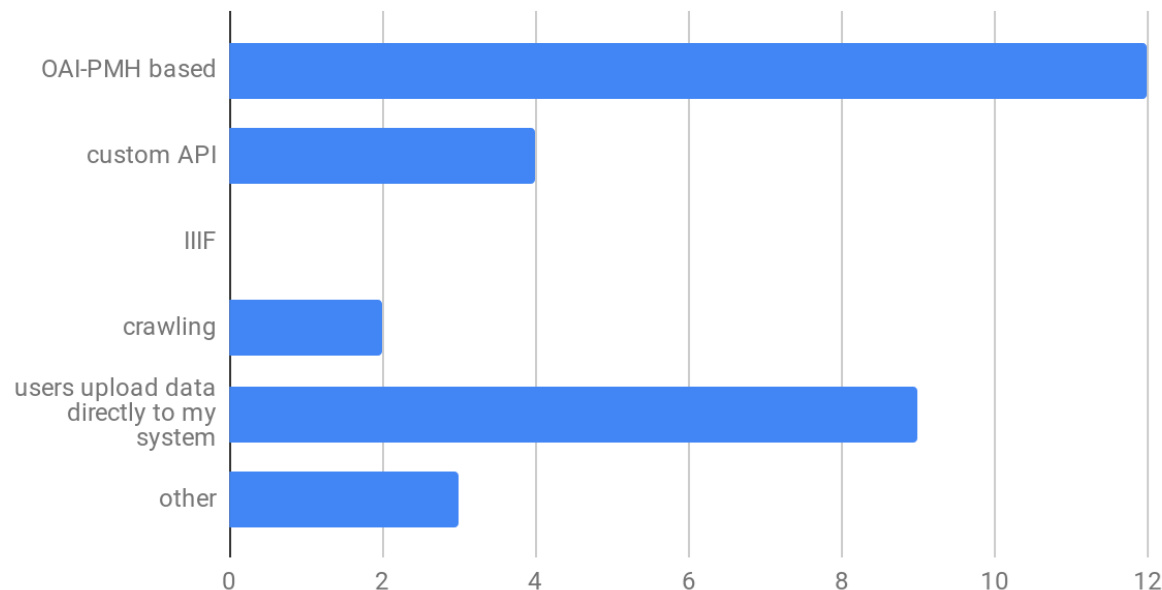
7.4 Do you provide any of the listed functionalities?



Aggregation method

- OAI-PMH
- Direct upload

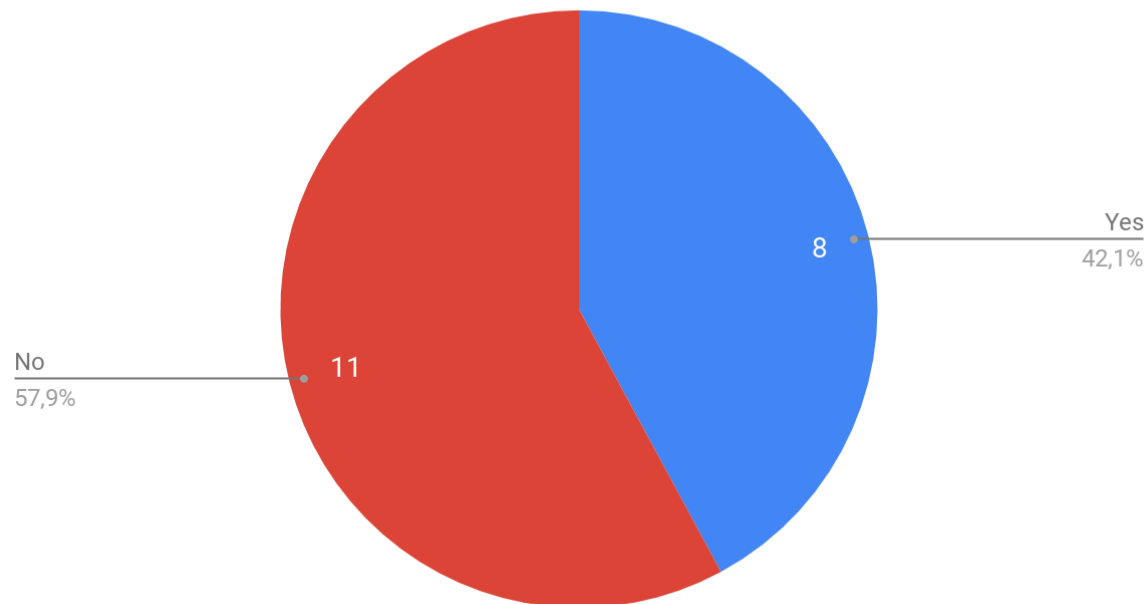
7.5 How do you aggregate data from your data providers? What technical solutions are used?



API

- Search & view

7.6 Do you expose a public API(s)?





Harvesting workflow

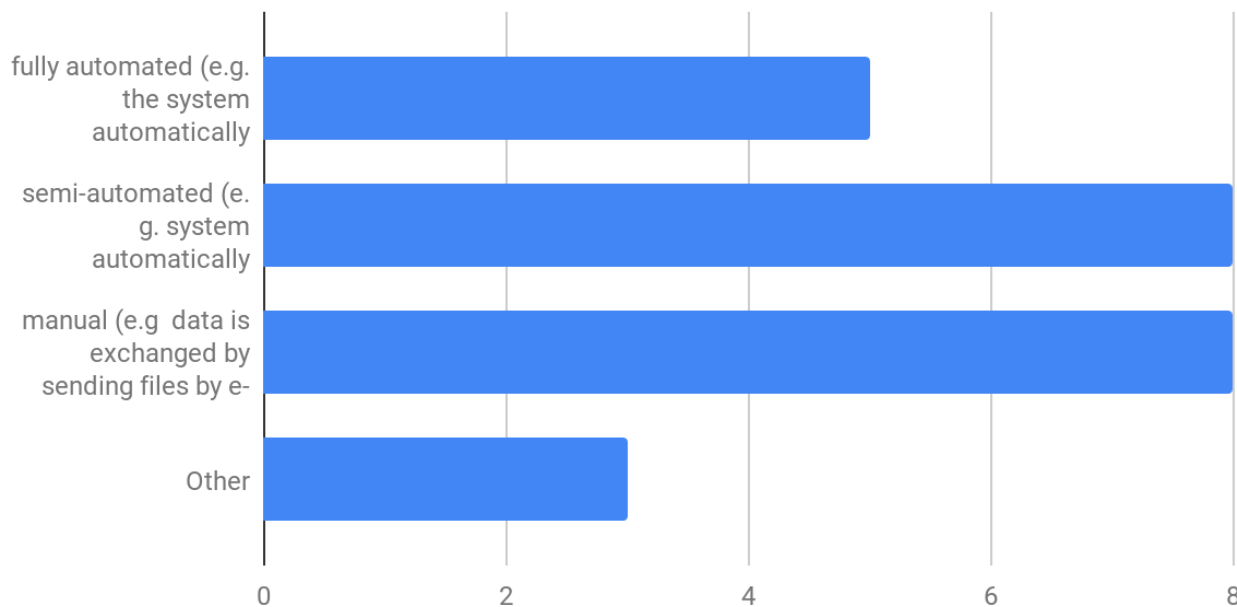
Arrival of a Portuguese ship
Anonymous

1660 - 1625, Rijksmuseum
Netherlands, Public Domain

Workflow automation

Majority tries
to automate
workflow

8.2 How would you describe your harvesting method in terms of automation?



Metadata mapping

- Individual process (internal model, transformations, in-house tools, developers involvement)

Our opinion:

- A key element in the aggregation workflow
- Needs a lot of attention when setting up an aggregator

Metadata processing

- Processing options
 - Enrichment
 - Normalisation
 - Validation
- Each option is done by almost half of NAs
- Usually NA does at least two of the options
- We could conclude that advanced metadata processing is done by almost half of NAs

Cooperation with Europeana

The masquerade ball
Pesne, Antoine
National Digital Library
Finland, CC0



Cooperation with Europeana

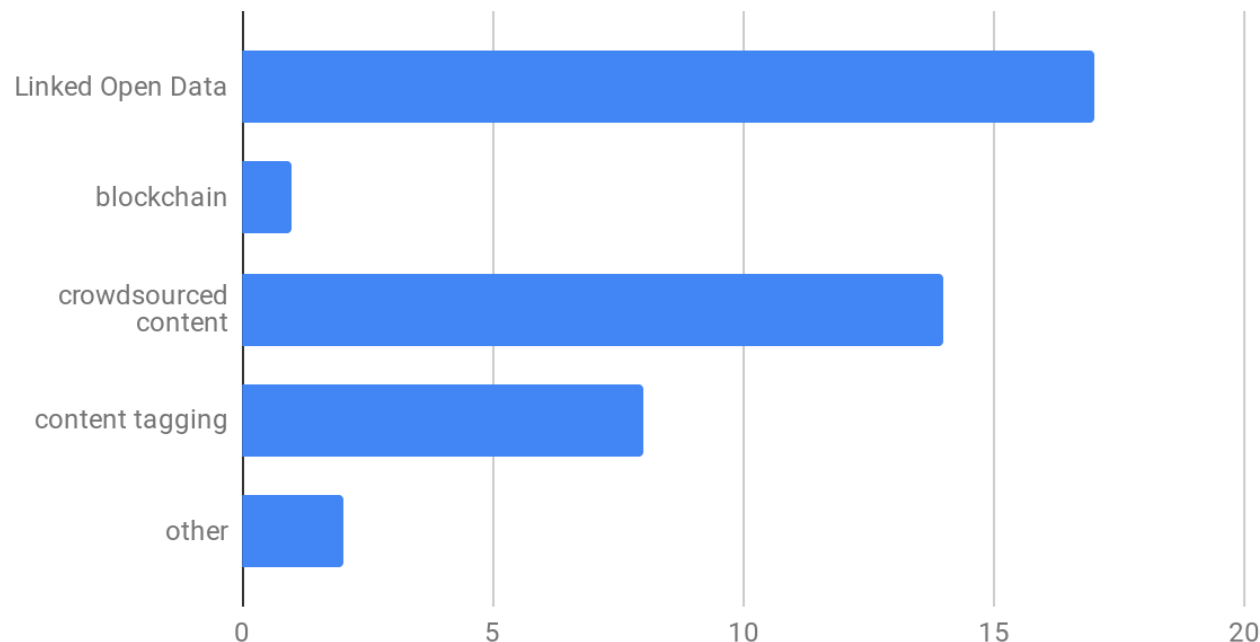
All the respondents claim that Europeana is a part of their mission

- promotion and dissemination of national resources
- Network building and exchange of experiences
- Help with content quality (standards, frameworks, etc.)
- NA was designated by authorities to cooperate with Europeana
- European integration

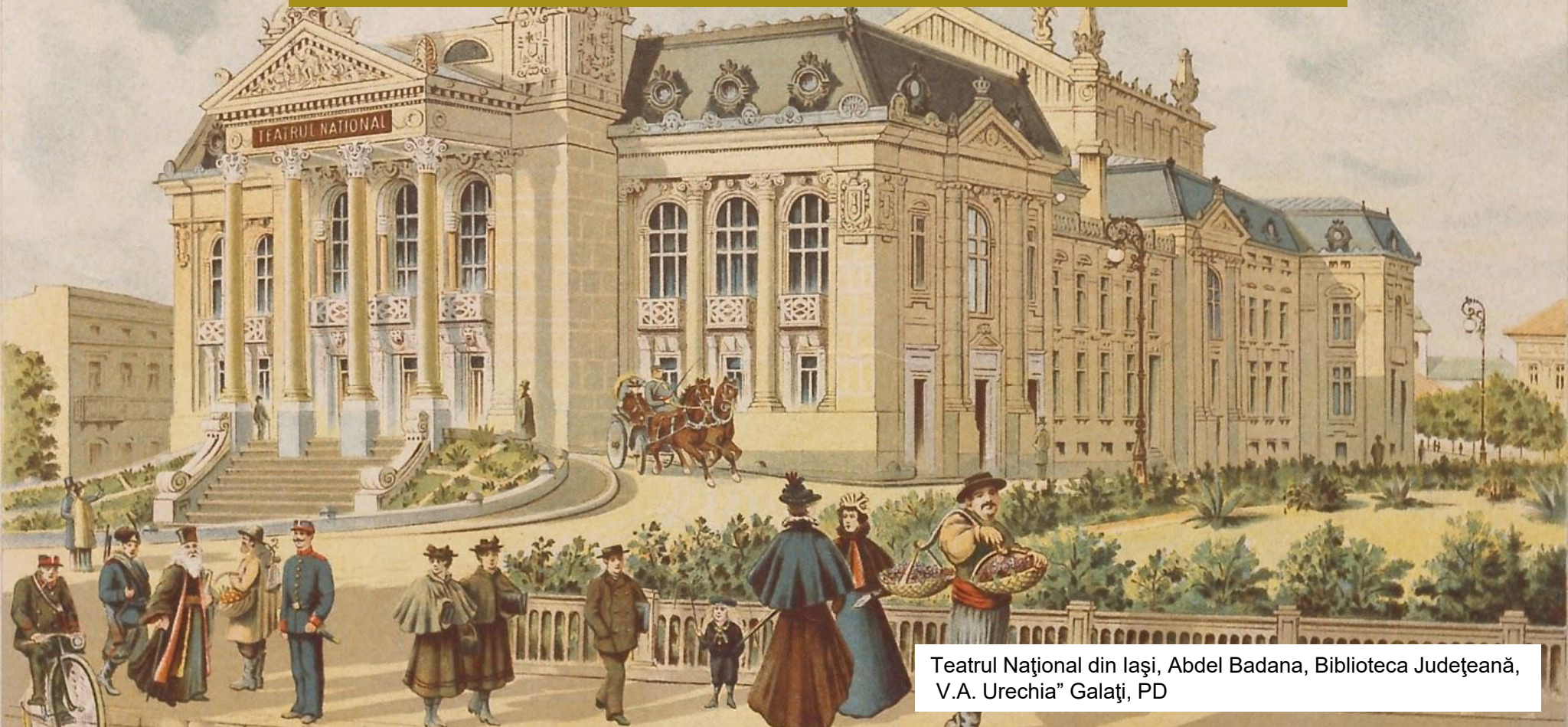
Future trends

Crowdsourcing
LOD
Tagging

11.5 What trends do you think have the biggest impact on the future development of the aggregation landscape?



RECOMMENDATIONS



Teatrul Național din Iași, Abdel Badana, Biblioteca Județeană,
V.A. Urechia" Galați, PD

- **Need for a national strategy**
- **Need for community building**
- **Framework implementation**

Flowers
Anonymous
1700-1799, Rijksmuseum
Netherlands, Public Domain



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10th ANNIVERSARY