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Theater of Marcellus, Rome. User: Jensens. Wikimedia Commons (Public Domain).

Bootstrapping the International Knowledge Base for the Performing Arts: Key Stakeholders and Usage Scenarios

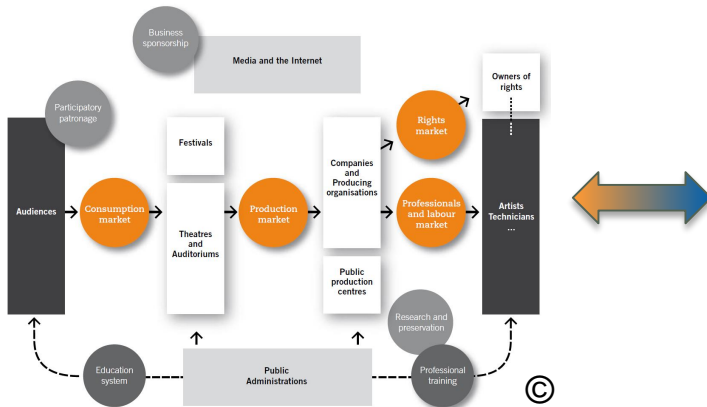
Beat Estermann, Rome, 7 June 2019

Bern University of Applied Sciences, Institute for Public Sector Transformation

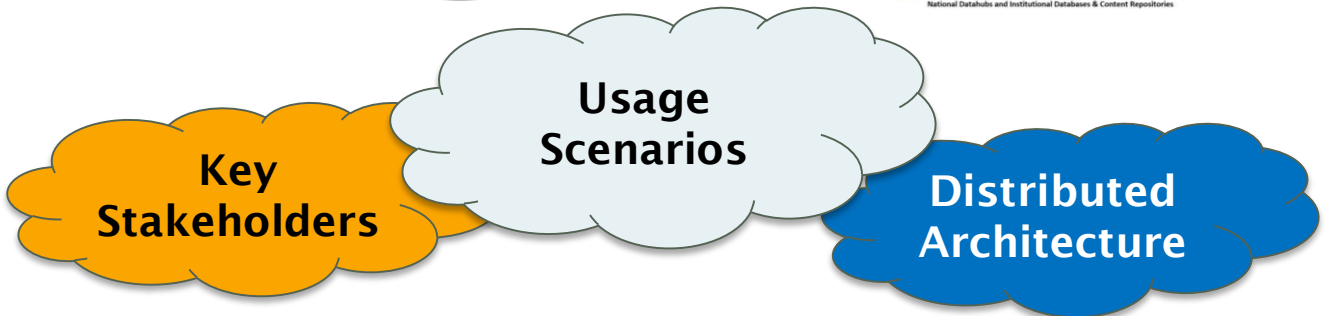
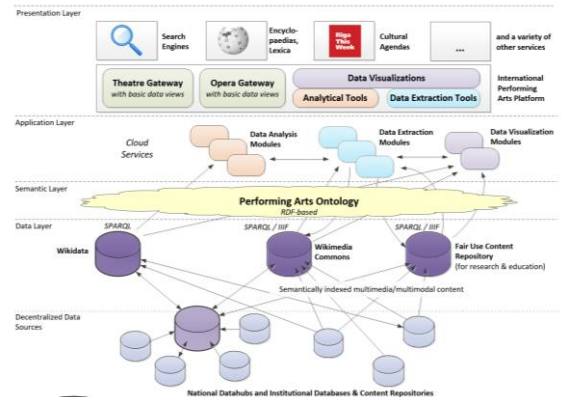
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The Vision: Many Stakeholders – One Knowledge Base

Performing Arts Value Network



International Knowledge Base for the Performing Arts



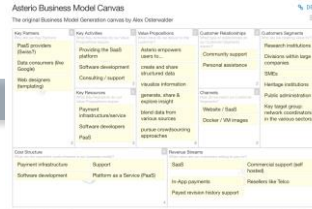
The Journey So Far... (from a personal point of view)

2013



Swiss Theatre Collection

2014



Asterio Linked Data Platform
(Project Application)

2015

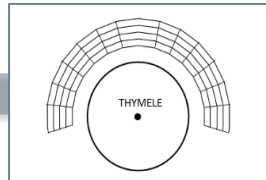
Conceptual Work
(Students' Assignments)

2016



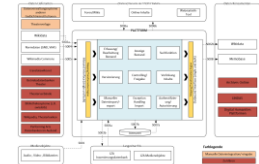
Data Model for the Swiss Performing Arts Platform

SPA Data Model



Thymele
(Project Application)

2017



SPA 3.0 Platform
(Requirements)

2018



Ehrenreich Collection

2019



CAPACOA: Linked
Digital Future Initiative

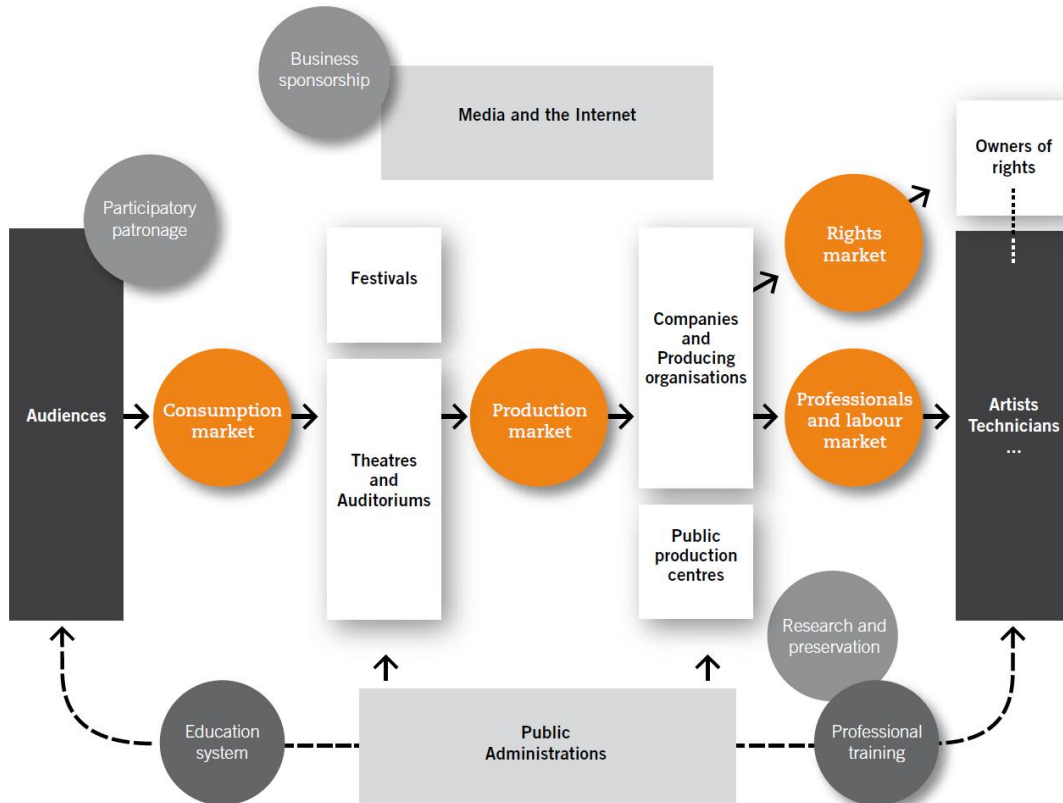


Many Trajectories – Similar Visions...



From Different Perspectives...

Performing Arts Value Network (Bonet & Schargorodsky 2018)



©

Key Stakeholders and Usage Scenarios



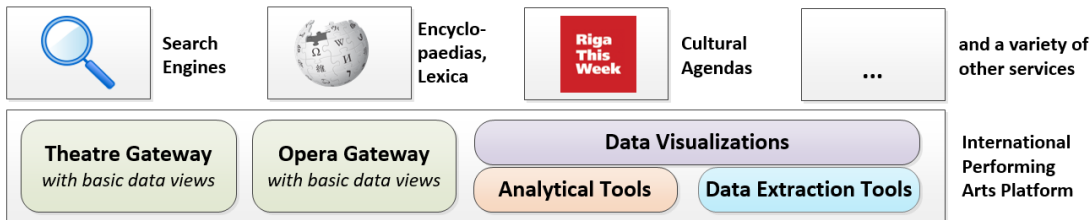
*How about **your usage scenarios?** – Leave your comments in the draft document for consultation!*

Stakeholder Requirements Regarding Data Coverage

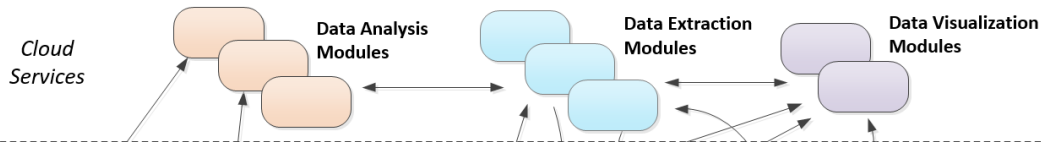
| Type of Data (Classes and Attributes) | Production | Presentation & Promotion | Coverage & Re-use | Live Audiences | Online Consumption | Heritage | Research & Education |
|---|------------|-----------------------------|----------------------|-------------------|-----------------------|----------|-------------------------|
| Performing Arts Production | | | | | | | |
| - title | X | X | X | X | X | X | X |
| - genre | X | X | X | X | X | X | X |
| - work(s) performed, set list | X | X | X | X | X | X | X |
| - production company | X | X | X | X | X | X | X |
| - venue | X | X | X | X | X | X | X |
| - first performance date | X | X | X | X | X | X | X |
| - premiere type | X | X | X | X | X | X | X |
| - number of representations | X | X | | | | | |
| - people in key roles of the production process (stage director, conductor, choreographer, set designer, costume designer, dramaturge, translator, adaptor) | X | X | X | X | X | X | X |
| - people in key roles of the performance (cast, musicians) | X | X | X | X | X | X | X |
| - technical staff | X | X | | | | | |

Platform Architecture

Presentation Layer



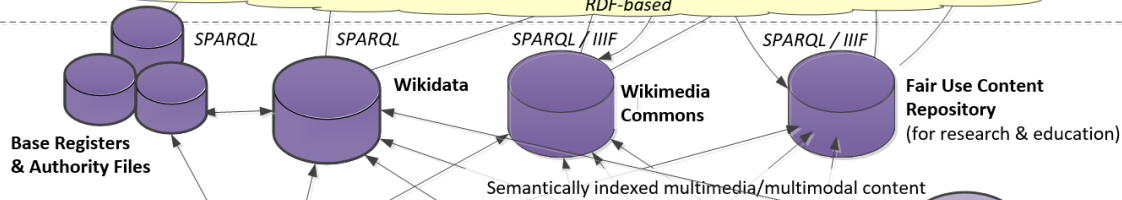
Application Layer



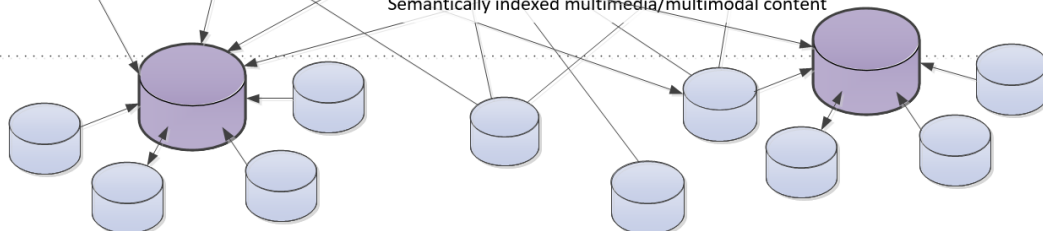
Semantic Layer



Data Layer



Decentralized Data Sources

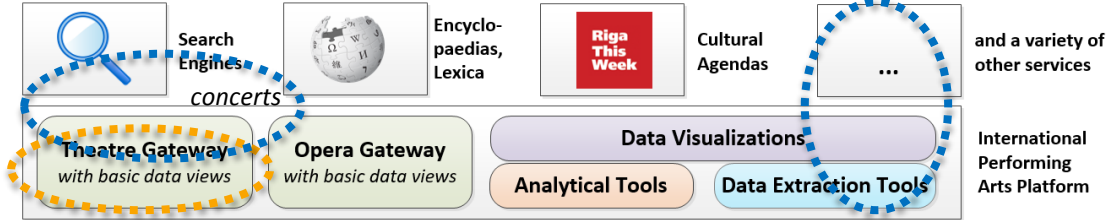


National or regional data hubs, aggregating data from institutional databases & content repositories

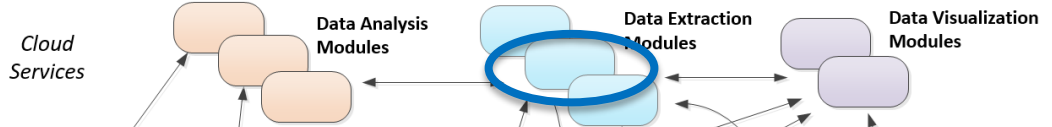
State of Implementation

Swiss Performing Arts Database Wikidata / Wikimedia Commons

Presentation Layer



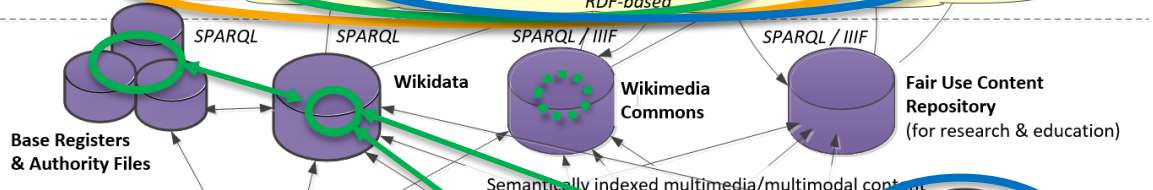
Application Layer



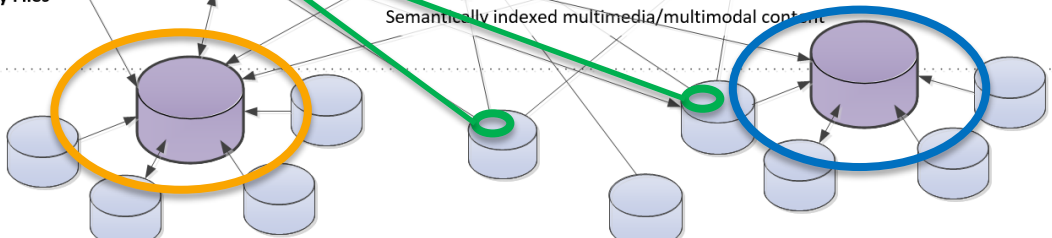
Semantic Layer



Data Layer



Decentralized Data Sources



National or regional data hubs, aggregating data from institutional databases & content repositories

Relevant Base Registers / Authority Files

Databases

- ISNI
- VIAF
- MusicBrainz
- Discogs
- IMDb
- Songkick
- Wikidata



Entities

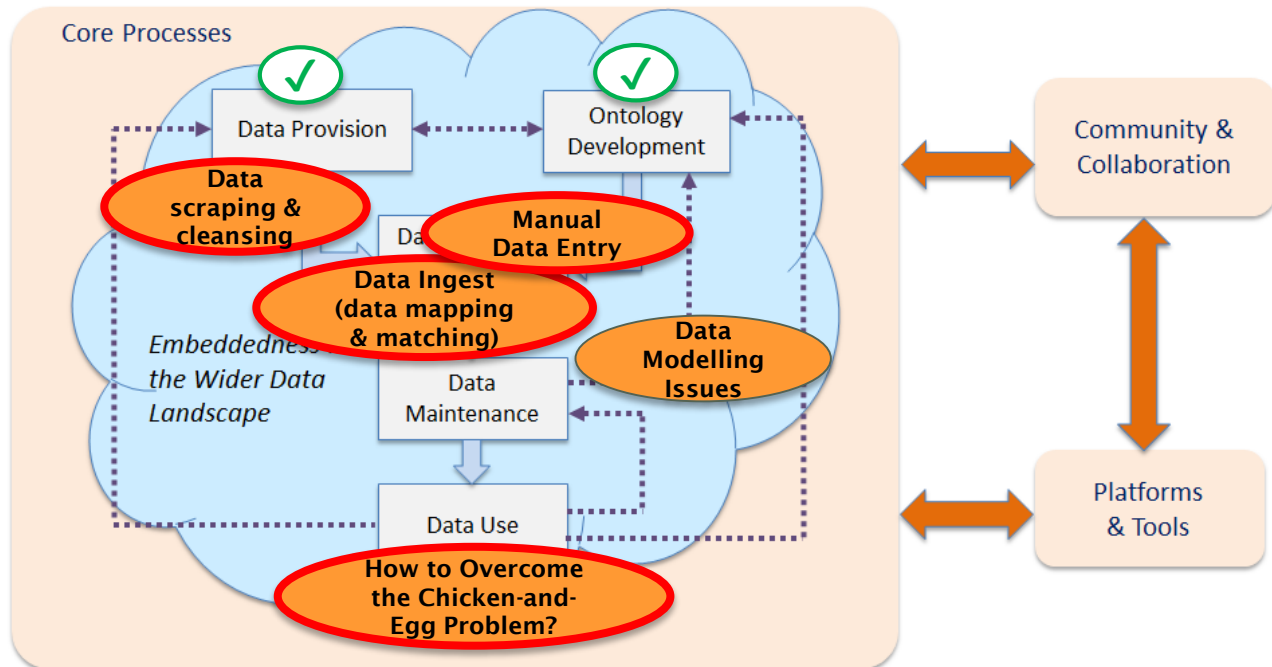
- Works (*literary, musical, choreographic*)
- Editions/Translations of Works
- Character Roles
- Performing Arts Buildings
- Humans (*writers, composers, performing arts professionals*)
- Organizations (*presenting organizations, musical ensembles, theatre troupes, dance troupes*)

Some statistics (Wikidata, April 2019)

- 420'000 musical works
 - 21'000 plays
 - 820 choreographic works
 - 11'000 character roles
 - 20'000 performing arts buildings
 - 260'000 musicians
 - 250'000 actors/actresses
 - 87'000 musical ensembles
 - 5'000 theatre troupes
 - 340 dance troupes
- and steadily growing...*

They play a key role in **interlinking datasets** from various sources.

Current Challenges



Source of the graphic: [eCH-0205 – Linked Open Data](#)

Bootstrapping the Knowledge Base

Bootstrapping From Two Angles

1. Piecing together information about the past, based on the data held by **heritage institutions** or the **performance history** of **individual organizations**
2. Tapping into the **performing arts value chain**, aggregating data about **current and future performing events**.

Guiding Principles

- Start out from larger, well-maintained existing databases that contain data about works, venues, persons, and organizations involved in performing arts productions.
- Collective efforts to aggregate data should be driven by flexible usage scenarios that yield incremental benefits, with a focus on low-hanging fruits.

Low-Hanging Fruits (Theatre Archives)

- Provide a **high-level overview** of what material can be found in the various archives; facilitate a first search for material.
- Create a “Worldcat” for theatre, a **central finding aid** with pointers to archival materials with direct references to entries in the institutions’ online catalogues and if possible to the digital documents themselves.
- Improve the **interlinking** between archival databases.
- **Complement the data** held by a given archive with data obtained from third party sources.
- Use anniversaries as an occasion to **systematically process and publish the data in a specific area** (e.g. performance history of a specific theatre company, of an artist, etc.). Anniversaries are a good occasion to attract public attention and to obtain extra funding; at the same time, coherent, systematically curated data corpuses are particularly attractive for researchers.

Low Hanging Fruits (Wikipedia)

- Use Wikidata-driven **infoboxes** for a variety of articles.

WIKIPEDIA
L'enciclopedia libera

Pagina principale
Ultime modifiche
Una voce a caso
Nelle vicinanze
Vetrina
Aiuto
Sportello informazioni

Comunità

Portale Comunità
Bar
Il Wikipediano
Fai una donazione
Contatti



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Carica su Commons
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 Libera la cultura. Dona il tuo 5×1000 a [Wikimedia Italia](#). Scrivi 94039910156.  [nascondi]

Teatro dell'Opera di Roma

Da Wikipedia, l'enciclopedia libera.


Il **Teatro dell'Opera di Roma** è il teatro romano dedicato all'[opera lirica](#) e al [balletto](#); è anche conosciuto come **Teatro Costanzi**, dal nome del suo artefice, [Domenico Costanzi](#).

Indice [nascondi]

- 1 Storia
- 2 Musica, musicisti ed interpreti
- 3 Balletto
- 4 L'Orchestra ed il Coro
- 5 Terme di Caracalla
- 6 Discografia parziale
- 7 Note
- 8 Bibliografia
- 9 Altri progetti
- 10 Collegamenti esterni

Storia [modifica | modifica wikitesto]

Ancor prima che la [capitale d'Italia](#) fosse trasferita a [Roma](#), monsignor [Francesco Saverio de Mérode](#), che possedeva la vallata di San Vitale, vide con chiarezza che urbanizzare il percorso dalla [stazione ferroviaria](#) (allora in costruzione) alla [via del Corso](#) sarebbe stato un vero affare. [Domenico Costanzi](#) partecipò all'iniziativa e comprò terreni, sui quali fece costruire prima l'Hotel Quirinale lungo la nuova [via Nazionale](#) nel 1874, poi sul terreno confinante il Teatro d'Opera, che nella nuova capitale ancora mancava. L'albergo comunicava col teatro attraverso un passaggio sotterraneo, che garantiva la massima privacy agli artisti (i quali anche per questo apprezzavano molto la sistemazione).gli artisti lo attraversavano per giungere al palco dove si esibivano.

Coordinate:  41°54′03″N 12°29′44″E﻿ / ﻿Mappa

Teatro dell'Opera



Facciata del Teatro dell'Opera.

| Ubicazione | |
|---------------|---|
| Stato | Italia |
| Località | Roma |
| Indirizzo | Piazza Beniamino Gigli, 1 00184 - Roma |
| Dati tecnici | |
| Tipo | opera |
| Fossa | presente |
| Capienza | circa 1400 posti |
| Realizzazione | |
| Costruzione | 1874-1880 ^[1] |
| Architetto | Achille Sfondrini, Marcello |

Low-Hanging Fruits (Presentation & Promotion)

- Expose data about current and future performances in a format that allows **search engines** to aggregate them more easily.

Which low-hanging fruits are there in your area?

Thank You for Your Attention!

Keep in touch!

Beat Estermann

Bern University of Applied Sciences

Institute for Public Sector Transformation

beat.estermann@bfh.ch

+41 31 848 34 38