Tainacan Project
challenges and opportunities
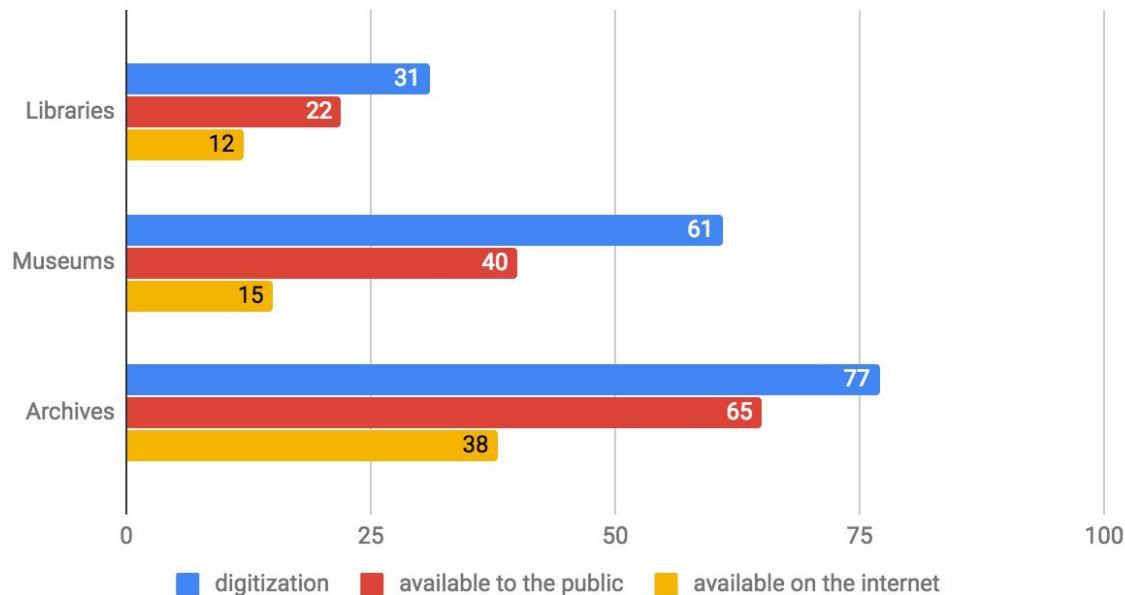
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GLAM in Brazil

Digitization scenario in Brazil of GLAM institutions (%)

Libraries: digitization 31, available to the public 22, available on the internet 12
Museums: digitization 61, available to the public 40, available on the internet 15
Archives: digitization 77, available to the public 65, available on the internet 38

Legend: ■ digitization ■ available to the public ■ available on the internet

GLAM institutions

Libraries: 6000+
Museums: 3600+
Archives: 1200+

What did we need?
- a simple, scalable, affordable (to maintain, customize, develop and provide), easy-to-use solution for all types of users;
- one that incorporates the participation and collaboration features typical of digital culture.
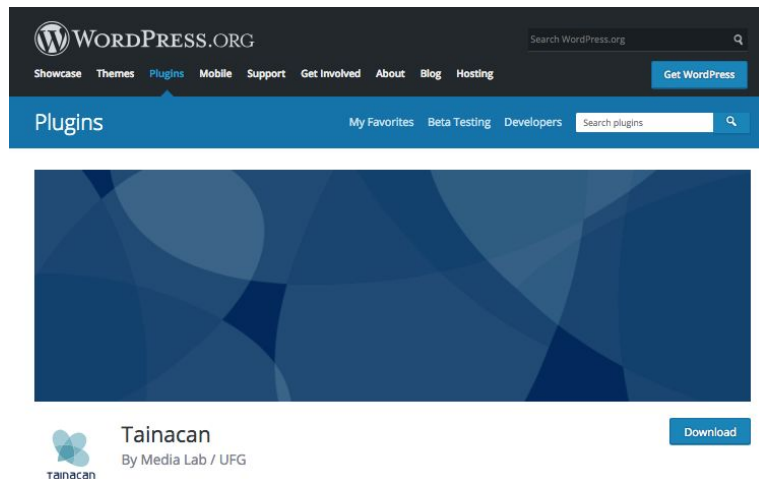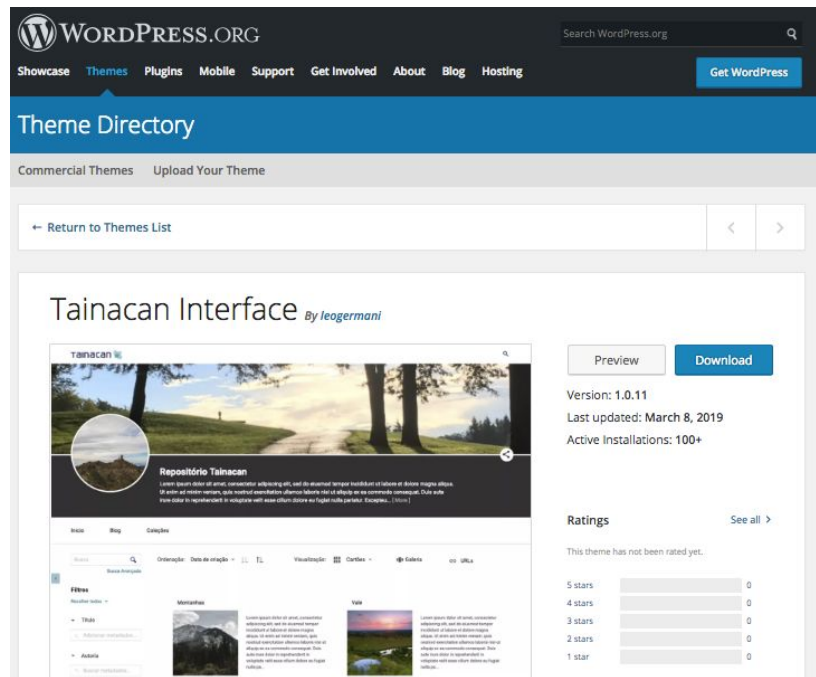
WordPress: One-third of the web!

The path here has been very exciting. In 2005, we were celebrating 50,000 downloads. Six years later, in January 2011, WordPress was powering 13.1% of websites. And now, early in 2019, we are powering 33.4% of sites. Our latest release has already been downloaded close to 14 million times, and it was only released on the 21st of February.
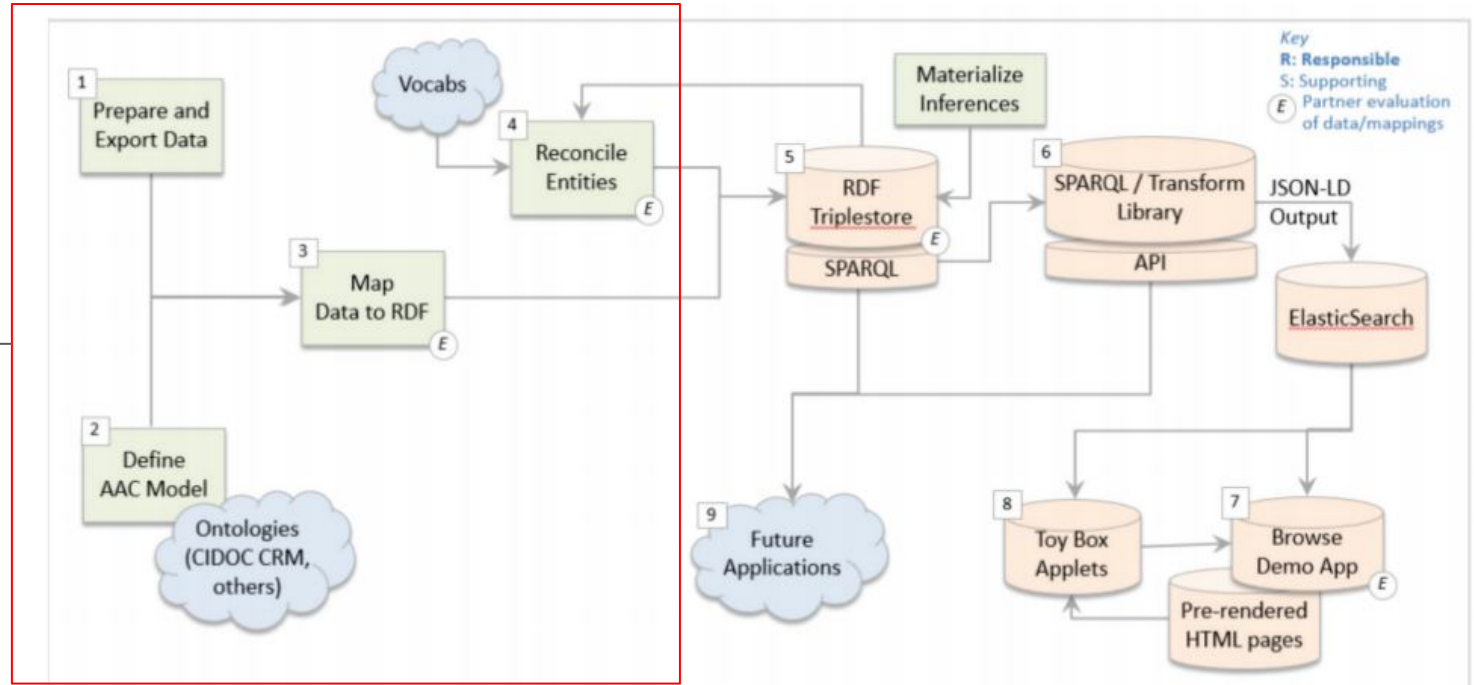
Tainacan: one click away from Wordpress

https://wordpress.org/plugins/tainacan/

https://wordpress.org/themes/tainacan-interface/

Wordpress & Tainacan:
organizing and publishing semantic data

Source: http://americanartcollaborative.org/wp-content/uploads/2018/03/AAC_LOD_Overview_Recommendations.pdf

Wordpress & Tainacan: modular features

3DHOP
3D Heritage Online Presenter

RDF

OAI-PMH

elastic

International Image Interoperability Framework

WIKIDATA **available now**

available in 2020

Tainacan: the network
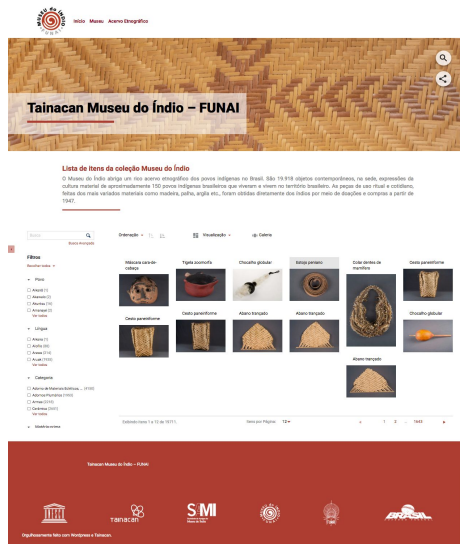
From July 2018 (plugin activation):
- Downloads: 1000+ since
- Active Installations: 100+
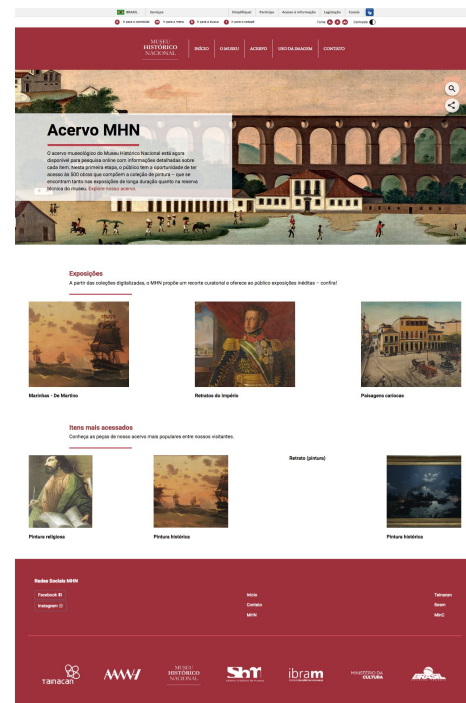
Published Items: 1.000.000 + (2019-2020)
- National Historical Museum
- Indian Museum
- National Foundation of Arts (Archives)
- 30 Ibram Museums (SaS)
- 50 University, State and City Museums

Institutional Partners:
- Brazilian Institute of Museums (Ibram)
- Brazilian Institute of Information in
  Science & Technology (IBICT)
- Getulio Vargas Foundation (FGV)
- 9 Brazilian Universities

http://tainacan.museudoindio.gov.br/

http://mhn.acervos.museus.gov.br/

Tainacan: the effort

- **Investment ($):**
  - US$ 652.216 from 2015-2019
  - US$ 163.054 / year
- **The Team (19):**
  - Developers: (5),
  - Designers: (3),
  - Researchers: (4),
  - Support: (3),
  - Admin & Communication: (4)
- **Scientific production:**
  - papers: 25+
  - book chapters: 5+
- **Next international window:**
  - Open Repositories 2019
    Hamburg June 10-13
    Tainacan presentation in Developer Track

- **Challenges Ahead:**
  - Integration of diverse semantic model of data representation (EDM?)
  - Interoperability and integrated search process (triplestore search)
  - Re-use of data (machine learning, AI, others...)

- **Opportunities:**
  - Academic program for internationalization of research on Digital Cultural Heritage / Tainacan:
    - $105.000 / year - 2019-2020
    - ...

Tainacan Opportunities

Academic program for internationalization of research on Digital Cultural Heritage / Tainacan:

1. $105.000 / year - 2019-2020

2. Opportunities:
   a. 2-3 foreigners researchers in Brazil:
      from 3 to 6 months teaching and doing research with our team;
   b. 2-3 brazilian researchers in other countries: from 3 to 6 months teaching and doing research in foreign universities;
   c. 4-5 Phd foreigners students in Brazil and brazilian Phd students in foreign universities;
   d. 4-5 Posdoc brazilian researchers

3. Any suggestion?