

French projects in digital EHST

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Infrastructure and partner sites for EHST

- ▶ TGIR Huma-Num (CNRS), www.huma-num.fr, represents France in DARIAH, offers permanent storage, urls, tools, guidance
- ▶ BNF - Gallica, gallica.bnf.fr
- ▶ NUMDAM (CNRS), www.numdam.fr

Select French digital EHST projects

- ▶ a handful of online corpora
 - ▶ D'Alembert/Encyclopédie, with natural tie-in to d'Alembert Papers
 - ▶ Bureau des longitudes 1795–1932. Omeka-based, similar in design to the Greenwich site with 22K scans, metadata, and transcriptions of scans through 1853
 - ▶ Henri Poincaré Papers, PHP-Java-MySQL application, transcribed correspondence with annotation and links to publications
- ▶ object catalogs great and small
 - ▶ PATSTEC: contemporary scientific and technical patrimony. Catalog of 15K objects of scientific and technical interest, with metadata, descriptions and contextual information
 - ▶ maritime history, navigocorpus.org. LL data linked to documents (Filemaker)
 - ▶ Nantes 1900. 3D city model linked to historical descriptions
- ▶ decision assistants: DataSanté

- ▶ 5-year, 1.6M€ research program on big data in personalized medicine
- ▶ Collaboration of ten public research centers in NW France: EHST, Ethics, Computer Science, Law, Sociology, Psychology, Epidemiology, Public Health, Cardiology, Oncology, Mitochondrial biology, Biostatistics
- ▶ Institutionalization in 2022
- ▶ outlook for EHST: piloted by S. Tirard, with a view to tracking the realtime evolution of medical epistemics

Semantic-HPST

Collaboration of fifteen scholars in five groups:

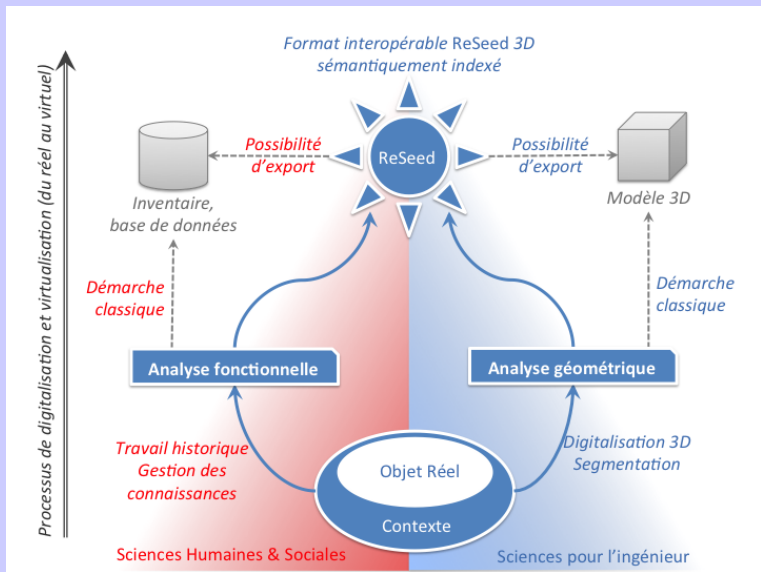
- ▶ Nancy: Poincaré papers
- ▶ Montpellier: Energy in the 19th-20th C
- ▶ Brest: Historical Port of Brest
- ▶ Brest: CS, Equipe SCRIptureS, Télécom Bretagne
- ▶ Nantes: IRCCyN (UMR 6597 CNRS), École Centrale, CFV

The above project failed to obtain funding, spun off the Nantes component to form *ReSeed*

ReSeed

- ▶ 3.5-year, 1M€ project to reverse-engineer contextualized 3D objects
- ▶ Collaboration of 4 public research centers, 2 private firms, the Ministry of Culture and a public museum
- ▶ History of scientific and industrial artifacts great and small (CFV)
- ▶ aim: automatic indexing of 3D objects from symbolic or raw representations, with exploitation of contextual clues
- ▶ reverse engineering, VR, semantisation, linked data
- ▶ application to museum science, pedagogy (3D immersion)

ReSeed: Disciplinary overview



Henri Poincaré papers

- ▶ Full bibliography and annotated correspondence and varia, henripoincarepapers.univ-nantes.fr
Links from articles to correspondence, manuscripts
- ▶ HTML5 from LaTeX transcriptions via LaTeXML
- ▶ SPARQL for queries of the correspondence metadata; two masters theses
- ▶ OAI-PMH repository via Huma-Num (in progress)
- ▶ Three more volumes of correspondence in the pipe

Concluding remarks

- ▶ Centralization and normalization of humanities databases in France via DARIAH/Huma-Num
- ▶ Digital approaches are not (yet) the rule in French EHST
- ▶ But: digital-EHST projects are favored by state financing
- ▶ And: great potential for European and Atlanticist collaboration
- ▶ Reaction: increasingly aggressive commercial platforms (Elsevier, Springer)