

# Using the DARIAH's BackBone Thesaurus as a filter for the reorganisation of the PACTOLS thesaurus



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# The PACTOLS thesaurus

- ▶ M Anthroponymes
- ▶ M Chronologie
- ▶ M Lieux
- ▶ M Oeuvres
- ▶ M Peuples
- ▶ M Sujets

**Thesaurus for Archaeology and Antiquity**

Created in 1987 by FRANTIQ  
60.000 concepts  
6 micro-thesauri/collections  
6 languages

**Reorganisation programme, 2017-2022**

To consolidate the structure  
To enrich the vocabulary

Supported by Consortium MASA  
Led by Project Team

**Free, Normalised, Citable**

<https://pactols.frantiq.fr>

Free license ODbI  
ISO 25964  
Ark & Handle Identifiers  
SKOS, Json, RDF




**Updates**

Ongoing but irregular  
Contains obsolete or incomplete vocabulary

**Diversified Uses**

Frantiq collective catalogue  
Scientific journals  
Research databases  
Cultural heritage promotion

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# Reorganising the structure of PACTOLS

- An unconvincing first experience



discovery of the BBT, a magic solution

conceptual categories = New approach to collections

limited number of levels = Simplicity and visibility model

alignment with CIDOC-CRM = Opening to LOD

available and collaborative

# Using the BBT facets as a filter

- By creating a temporary BBT tree with additional lower levels, named Pactols2
- By distributing PACTOLS concepts in the BBT categories, field by field
- By reorganising the contents systematically
- By correcting structural inconsistencies and confusion of categories in the branches
- By revising the entire vocabulary

Anthroponymes  
▫ Antiquité après l'Antiquité  
▫ Artistes  
▫ Divinités  
▫ Écrivains  
▫ Gouvernants  
▫ Héros  
▫ Personnages  
▫ Personnages judéo-chrétiens  
▫ Savants  
M Chronologie  
▫ datation absolue  
▫ ères géologiques  
▫ événements historiques  
▫ périodisation  
M Lieux  
M Oeuvres  
▫ manuscrits sur papyrus  
▫ textes juridiques  
▫ textes littéraires  
▫ textes religieux  
▫ œuvres artistiques  
M Peuples  
▫ Cultures préhistoriques  
▫ Peuples  
▫ Peuples actuels  
M Sujets  
▫ architecture  
▫ art  
▫ céramologie  
▫ défense  
▫ droit  
▫ faune  
▫ flore  
▫ géographie  
▫ histoire-civilisation  
▫ iconographie  
▫ loisir  
▫ matériaux  
▫ méthodologie  
▫ mort  
▫ paléographie  
▫ philologie  
▫ philosophie  
▫ politique  
▫ religion  
▫ santé  
▫ savoir  
▫ site archéologique  
▫ société  
▫ vie économique  
▫ vie financière  
▫ vie quotidienne  
▫ [nouveaux termes]

## Backbone Thesaurus

Alphabetical

Hierarchy

Groups

000001 activities  
000010 disciplines  
000011 human interactions  
000012 intentional destructions  
000013 functions  
000002 natural processes  
000015 natural disasters  
000016 geneses  
000003 materials  
000004 material things  
000017 mobile objects  
000018 built environment  
000019 physical features  
000020 structural parts of material objects  
000005 types of epochs  
000006 conceptual objects  
000021 symbolic objects  
000022 propositional objects  
000023 methods  
000024 concepts  
000007 groups and collectivities  
000008 roles  
000025 offices  
000026 roles of interpersonal relations  
000009 geopolitical units  
0000049 geometric extents  
0000050 points  
0000051 surface areas  
0000052 3d-volumes  
0000053 linear extent

# The game of deconstruction / reconstruction, one example

## Death in PACTOLS 1

- 1 specific file
- 133 concepts

### ▼ mort

- ▶ contenant funéraire
- ▶ décor funéraire
- ▶ espace funéraire
- ▶ mobilier funéraire
- ▶ mort (concept)
- ▶ mort violente
- ▶ pratique funéraire
- ▶ sépulture

Backbone Thesaurus	
Alphabetical	Hierarchy
000001	activities
000010	disciplines
000011	human interactions
000012	intentional destructions
000013	functions
000002	natural processes
000015	natural disasters
000016	geneses
000003	materials
000004	material things
000017	mobile objects
000018	built environment
000019	physical features
000020	structural parts of material objects
000005	types of epochs
000006	conceptual objects
000021	symbolic objects
000022	propositional objects
000023	methods
000024	concepts
000007	groups and collectivities
000008	roles
000025	offices
000026	roles of interpersonal relations
000009	geopolitical units
0000049	geometric extents
0000050	points
0000051	surface areas
0000052	3d-volumes
0000053	linear extent

... and in PACTOLS v2

- BBT-Activities
  - BBT-Human interactions
    - pratiques funéraires
    - rituel funéraire
- BBT-intentional destructions
  - mort violente
- BBT-natural processes
  - BBT-geneses
    - mort (biologie)
- BBT-material things
  - BBT-mobile objects
    - contenants funéraires
    - mobilier funéraire
  - BBT-built environment
    - [complexe bâti par fonction]
      - espace funéraire et mortuaire
    - [unités bâties par fonction]
      - édifice funéraire
      - aménagement de la tombe
      - marqueur de tombe
      - monument funéraire
      - sépulture
- BBT-conceptual objects
  - entités biologiques
  - restes humains
- BBT-methods
  - BBT-methods
    - traitement du cadavre
- BBT-propositional objects
  - mort (concept)

- Creation of additional levels
- Redefinition of concepts
- Updating and augmenting vocabulary (176)

Permanent checking by experts 5

# 8 months before the new release

## About concepts

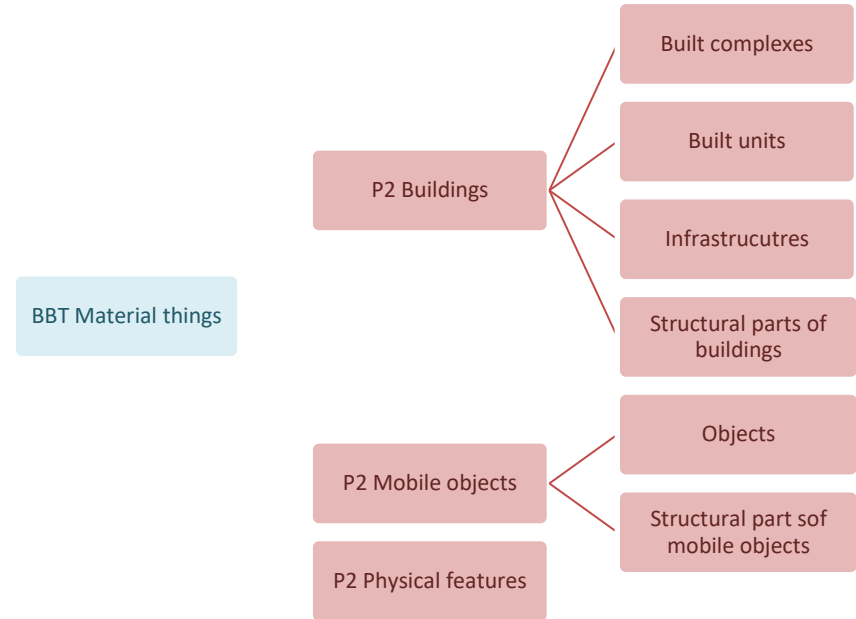
- Only 800 concepts left in the Subjects collection to be filtered
- Enrichments
  - 75% of concepts have a definition
  - Add numerous skos:altLabel
  - More related terms
- 2500 new concepts
- 140 concepts deprecated for obsolescence
- And all PACTOLS collections are ultimately impacted

# 8 months before the release of v2

## About structure

- A hierarchy limited to 5 levels with the introduction of facets
- Redistribution of large categories (activities, material objects, conceptual objects,...)
- Rearrangement of existing categories into 15 to 20 new entries,
- Customisation of headings in progress,
- Keep track of equivalent categories with BBT facets and CIDOC-CRM classes

From **BBT** to **PACTOLS 2**,  
first proposal with ex. Material things





**Thank you all**

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