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The Standardization Survival Kit : For a wider use of standards within Arts and Humanities

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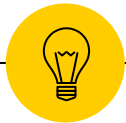
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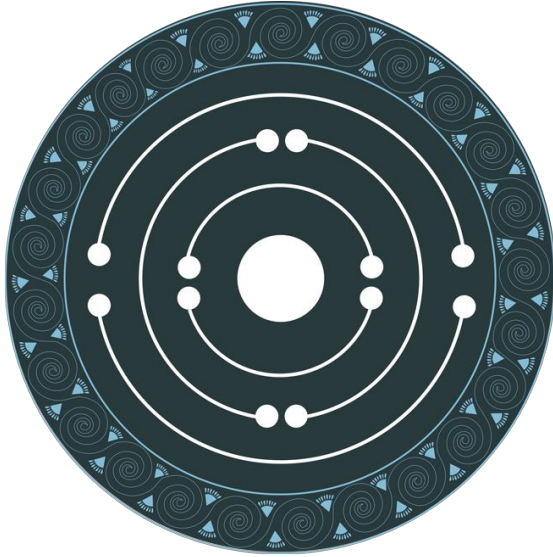
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The Standardization Survival Kit



For a wider use of standards within Arts and Humanities



PARTHENOS

Pooling Activities, Resources and Tools
for Heritage E-research Networking,
Optimization and Synergies

<http://www.parthenos-project.eu/>

Standards ?

They are non legally binding documents produced by an organisation ensuring :

- International **consensus** building (not a one person's/one group's work)
- **Communication** (standards cannot be internal to an organisation)
- **Maintenance** (evolution according to users' needs, technology change, etc.)

Some examples

- ◉ ISO standards, W3C recommendations or TEI guidelines comply to these principles
- ◉ Horizontal standards (cross-domain: ex. XML, ISO/CEI 10646/Unicode) vs. Vertical standards (specific to one domain: ex. ISO 24611 for morpho-syntactic annotations, EAD for archival collections)

Research data ?

Data created, collected and/or transformed during a research project.

Need for an active management during the whole Research process, and even after.

Good data management covers:

- **Description**
- **Hosting / archiving**
- **Access**
- **Reuse**

“Standards are a key to great digital research, which helps to discover and understand our cultural and societal life.”

[Laurent Romary](#)

Chairman of the Technical Committee "Terminology and other language and content resources" of the International Organization for Standardization (ISO)

Why using standards ?

To produce **interoperable**, **sustainable**
& **reusable** results for research.

Here the **SSK** comes into play ...



**LES AVENTURES DE
MORK ET TORK!**



The SSK : a toolkit for **Humanities** scholars

● Documenting 

● Supporting 

● Training 

● Communicating 

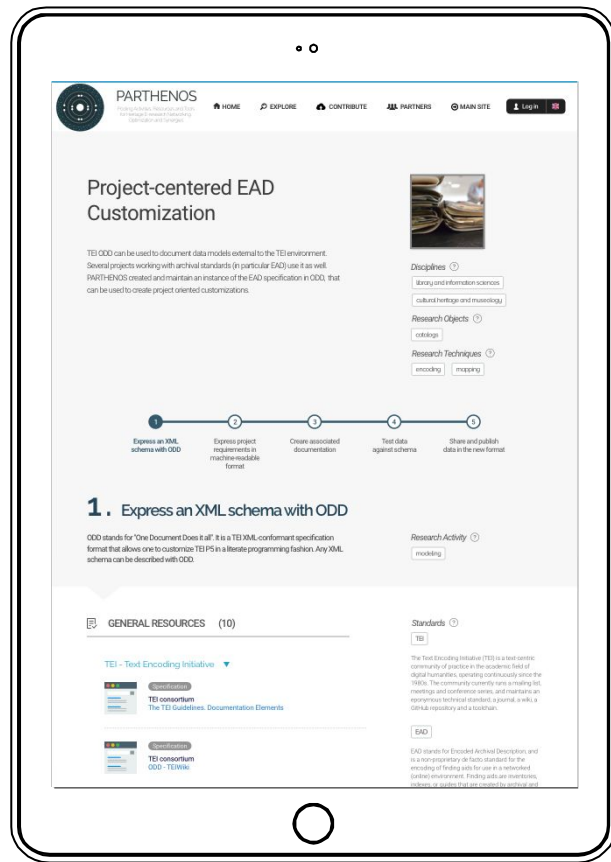
What the SSK **is not**

- ◉ A software where you can perform actions
- ◉ A data repository
- ◉ A catalog of standards or resources



The scenarios

Providing **contextual information** and **relevant examples** on how standards can be applied in a given research project.





What Tork & Mork tell us

Hey Mork ! For my project, I need to create an annotated linguistic corpus, but I don't know where to start and which format to use...



Well, just check the SSK ! You will find the perfect scenario "*Creation of a TEI-based corpus*". It will guide you through all the necessary steps and give you the best practices !



Three layers



Scenario

A complete and generic research use case composed of several steps to be followed.



Step

A unique task to be performed inside a scenario with the help and recommendation of one or several resources.



Resource

A standardized tool / service / document guiding the researcher in her/his tasks completion.

The TEI model

The scenarios are described using the TEI format (Text Encoding Initiative). All the information displayed within the SSK proceed from TEI files.

```
<text>
  <body>
    <div type="scenario" xml:id="sc_schemaCustomization">
      <head xml:lang="en" type="scenarioTitle">Harmonization of digitized textual resources
        with the DTABf</head>
      <desc type="definition" xml:lang="en">Currently, initiatives for the digitization of
        textual resources and their provision to the interested community are manifold and
        various. Hence, scholars who want to base their research on digitized texts,
```

What is the TEI ?

The TEI is made up of recommendations for the creation and management of all types of data coming from researchers in the Arts & Humanities (manuscripts, archival documents, old inscriptions, etc.)

Three great principles :

- fostering meaning before format
- ensuring software independency
- being supported by a strong community

How the TEI works in the SSK ?

- A scenario is a list of events (`<tei:listEvents>`), each step in a scenario is an event (`<tei:event>`).
- TEI files are all available on **Github** (<https://github.com/ParthenosWp4/SSK>).
- Documentation: <https://parthenoswp4.github.io/SSK/SSKspec.html>

Handling the resources

Standards documentation
(ISO, TEI)

Official publications and
reports (D4Science, HAL,
Zenodo)

Documentation



Reference libraries
organised by domains and
standards

Maintenance with Zotero

Bibliography



Code snippets (GitHub)

Tools & services
(D4Science)

Technical
resources



Wikis

Blog posts
(Hypotheses.org)

Discussion lists

User
communities



Our ontologies

- Disciplines ([AureHAL](#))
- Research objects ([TaDiRAH](#), [NeDiMAH](#))
- Research activities ([TaDiRAH](#))
- Research techniques ([TaDiRAH](#))
- Standards (our own [knowledge base](#))

Next features

- Browsing **vocabularies** and **bibliography**
- Having a profile to manage one's personal space :
 - handle **bookmarks**
 - customize scenarios
- **Contributing** (in TEI or directly on the interface) :
 - creation
 - edition
 - customization
- **Multilingual** interface



Let's test it !

<https://ssk-application.parthenos.d4science.org/ssk/>

and mail us : **ssk@inria.fr**



Exercises

- ◉ Find a research scenario in your academic field and follow the steps of the scenario
- ◉ You want to create a digital edition of your research corpus. First you need some guidelines on how you can digitize your (very fragile) source. Use the SSK to find the best way to go.
- ◉ You want to find the research steps where the use of the Dublin Core standard is mentioned. Use the SSK to find a corresponding result.



Exercises

Create a scenario corresponding to your research field to document your practices

- Group work
- Based on the steps and resources found in the SSK
- Use available vocabularies
- result in a simple text or in TEI

Use the [documentation](#)