



## Le Standardization Survival Kit (SSK)

Marie Puren, Dorian Seillier, Charles Riondet, Lionel Tadjou

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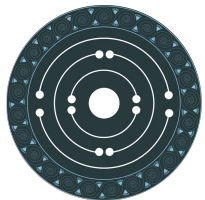
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PARTHENOS

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



Rencontres Huma-Num

2018

Valpré - 11 au 14 juin 2018

# Le Standardization Survival Kit (SSK)



Faciliter l'usage des standards dans les Humanités

Marie Puren, Dorian Seillier, Charles Riondet, Lionel Tadjou  
Inria, PARTHENOS



# About us

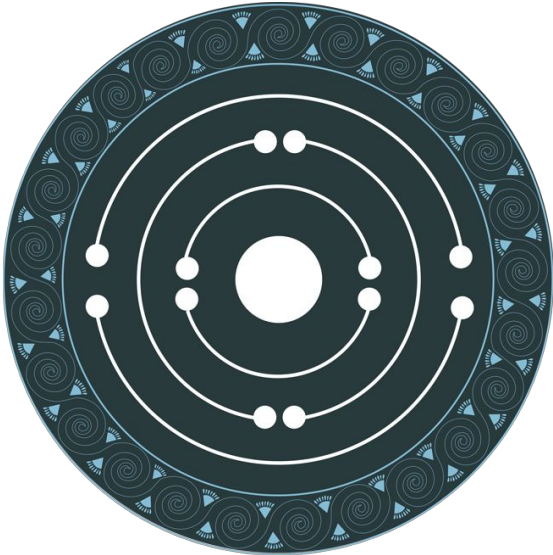
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- INRIA Paris



- Project-Team ALMAnaCH (Automatic Language Modeling and Analysis & **Computational Humanities**)

# About us



# PARthenos

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

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

# Why standards?

- ◉ **Consensus:** a wide (and possibly international) community of experts has developed them
- ◉ **Publication and accessibility:** anyone who wants to know their content is able to access it.
- ◉ **Maintenance:** they are regularly updated, replaced or deprecated depending on the technical and scientific evolution of the field.

# Why using **standards**?

*“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)

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# Why using standards ?

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

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



Why standards? <https://www.youtube.com/watch?v=iiUb6wgA9FI>





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

● Documenting 

● Supporting 

● Training 

● Communicating 

# What the SSK **is not**

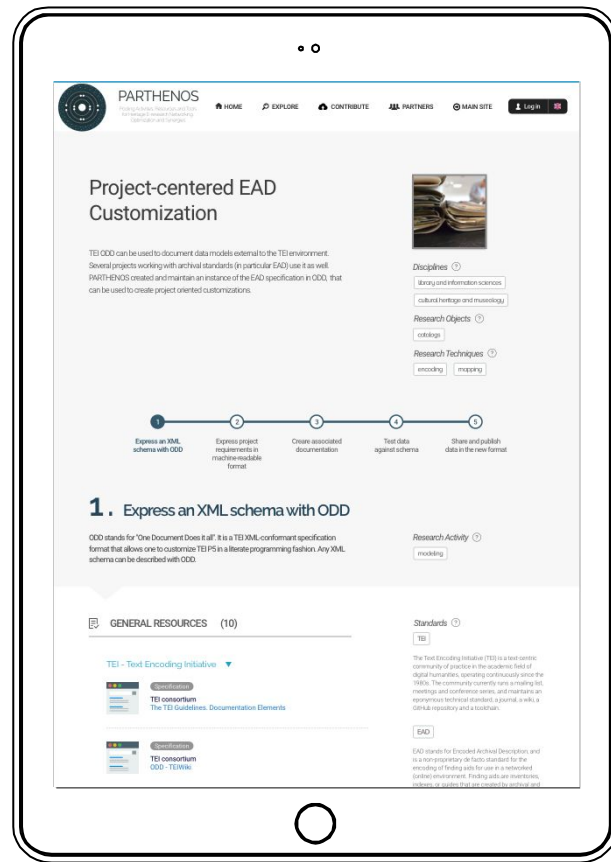
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- ≠ A software where you can perform actions
- ≠ A data repository
- ≠ A catalog of standards or resources



# The scenarios

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



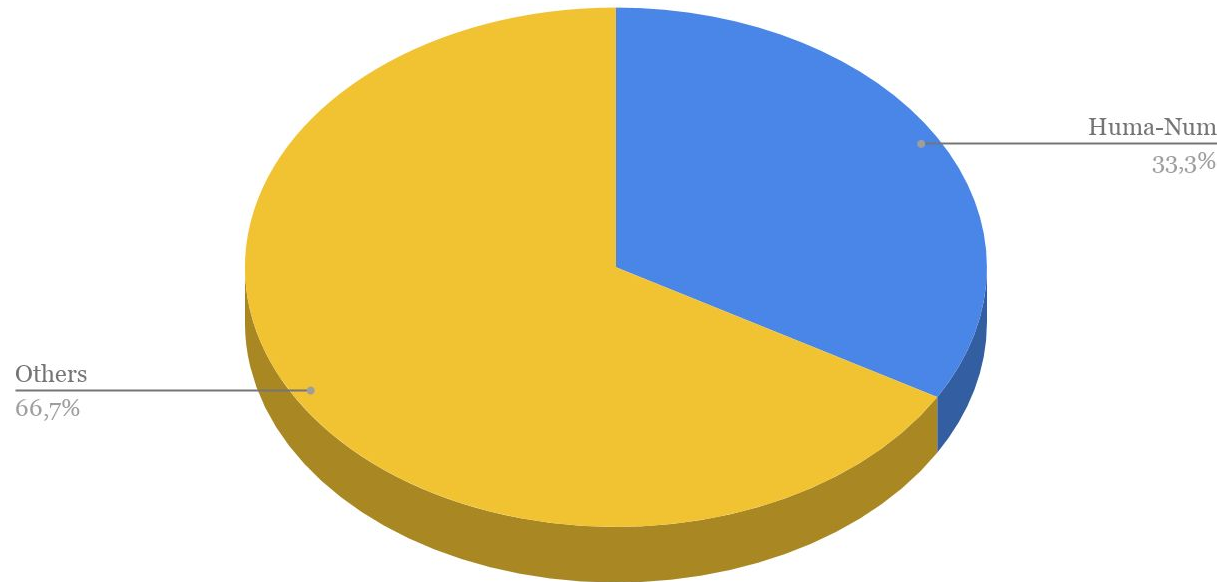


# Huma-Num and the scenarios

- Close collaboration with the 3D Consortium:
  - White paper: *Digital 3D Objects in Art and Humanities* (2017) [⟨hal-01526713v2⟩](#)
  - Two scenarios 3D in progress (presented during *DH Mexico* at the end of June)
  - And a third will be delivered
- Scenarios provided by Huma-Num:
  - “Encode and modelize field surveys for their online dissemination”
  - “Collaborative digital edition of a musical corpus” (Consortium Musica)
- Huma-Num’s strong contribution to:
  - “Perform Statistical analysis on Historical and contemporary occupations”
  - “Digitizing textual material”



# Huma-Num and the scenarios



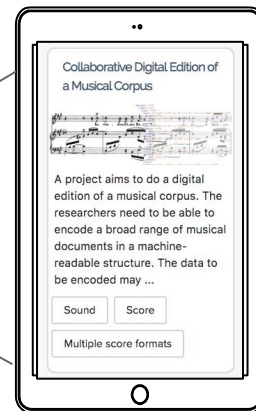


## What Tork & Mork tell us

Hey Mork ! With some of my **colleagues**, I'd like to put **musical scores online**. But I don't know **what I can do** and how to proceed! Can you help me?



Well Tork, **use the SSK!** I think the scenario "**Collaborative Digital Edition of a Musical Corpus**" can be very useful for you. It will guide you through all the **necessary steps** to put these scores online, and present the **best practices** associated to each of these steps.



# 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,
```

```
<listEvent>
  <event ref="step_OtICoP_171117" type="researchStep" xml:id="s1"/>
  <event ref="step_CaC_171117" type="researchStep" xml:id="s2"/>
  <event ref="step_SaD_171117" type="researchStep" xml:id="s3"/>
  <event ref="step_A_171117" type="researchStep" xml:id="s4"/>
  <event ref="step_CiSF_171117" type="researchStep" xml:id="s5"/>
  <event ref="step_TtI_171117" type="researchStep" xml:id="s6"/>
```



# 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/ParthenosWVP4/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

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

# Testing the web interface

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A usability test is the **simulated experience** of a information system by potential users who are asked to perform **realistic tasks** with it.

It helps get users' **feedback** (reactions, comments, feelings) by **observing** and **listening**.

# Objectives of the test

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- Determine the **degree of usability** of the tools based on several criteria
- Identify the **flaws / bugs** of the interface
- Evaluate the user experience of a **first contact** with the tool
- Assess if the SSK meets the needs and expectations of the user

# Main results

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Two categories of users emerged from the test :

- ◉ **beginners in DH or standards** who struggle a lot to understand most of the terminology and the general aim of the website
- ◉ **more experienced users** who were pleased by the initiative but wanted more detailed scenarios and more resources to work with

*“The SSK is clear enough for researchers familiar with Digital Humanities, but too technical for others who may want to start following these practices”*

# Design requirements

In order to improve the platform and make it more user-friendly, SSK's design should take into account :

- ◉ the **difference of expertise and experience among users** : it should be as adaptable as possible, even if it suits better the need of more advanced researchers in DH. At least, it should guide learners towards training materials.
- ◉ the resources we want researchers to use when following a scenario have to be **clear**, **up-to-date**, **relevant** and **connected to the step**.
- ◉ a good balance needs to be found between completeness and lightness to **avoid information overload**, which leads to the loss of the user.

# What's next?

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- ◉ **Browsing** vocabularies and bibliography
- ◉ Creating an **account** :
  - to manage **bookmarks**
  - to customize **scenarios** (by combining existing steps from SSK's research scenarios)
- ◉ **Contributing** (in TEI or directly on the interface) :
  - creation
  - edition
  - customization
- ◉ Accessing a **multilingual** interface





# Let's test it !

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

You can ask questions at : [ssk@inria.fr](mailto:ssk@inria.fr)



# Involving research communities

- ◉ **Living memory** of research best practices
- ◉ **Teaching** materials
- ◉ Need of a **strong community**
  - reviewers
  - creators => **new scenarios** could be provided by **Huma-Num Consortia**

# The SSK needs **you!**



**ssk@inria.fr**



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**Thank you** for your attention!

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[https://www.youtube.com/channel/UCnKJnFo\\_IFfoAl3VH51t1hw](https://www.youtube.com/channel/UCnKJnFo_IFfoAl3VH51t1hw)