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## **SSK by example - Make your Arts and Humanities research go standard**

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# SSK by example

Make your Arts and Humanities research go standard.



Laurent Romary, Damien Biabiany, Klaus Illmayer, Marie Puren, Charles Riondet, Dorian Seillier, Lionel Tadjou

## The Standardization Survival Kit

The Standardization Survival Kit is a collection of research use cases (the « scenarios ») illustrating digital best practices in Digital Humanities and Heritage research.

Gain efficiency, interoperability and sustainability by using standards !

**Preserving 3D digital objects**

Sarah Toumon-Vallente, Mehdi Chayani, Valentin Grimaud, Xavier Granier, Hélène Gautier, Adeline Joffres, Paulin Ribbe

Last updated: 5 days ago

The long-term preservation of 3D digital objects raises some critical issues. Indeed, firstly, different kind of data can be archived: the original files depending on the method used to digitize; the final version, depending on the goal (simple acquisition or modelisation) and any relevant information (text, images, pdf, scenarios ...) added for a better comprehension of the 3D object. Secondly it is important that metadata accompany the archive to ensure that the 3D object will be human-readable in the long-term. These metadata have to be completed in distinct files. The 3D consortium of Huma-Num developed a tool, alTAG3D to easily produce metadata file for the full 3D archive. Lastly, a place to preserve 3D data in the long term has to be found. Many solutions exist, depending on the countries. In France, there are solutions such as the 3D conservatory for 3D data research for mid-term preservation, and the CINES in the continuity for long-term preservation.

**1 Convert to 3D long-term format** (Preservation, PLY, COLLADA)

After a collective dialogue within different disciplines of 3D Huma-Num consortium, choose an open file format with acceptable losses for archiving 3D objects.

RESOURCES (specifications, papers, tutorials, etc.)

**2 Describe and annotate** (Annotating, EDM, CIDOC CRM, LEAD, METS)

Enrich the 3D object with annotation and/or description based on existing European format for metadata.

RESOURCES (specifications, papers, tutorials, etc.)

**3 Create an archiving packet with 3D data and metadata** (Archiving)

Bundle every needed file in an archive file and add related metadata. Use an application such as alTAG3D in order to make the add of information easier, to reduce duplication and to generate an archive compliant with the long-term storage service.

RESOURCES (specifications, papers, tutorials, etc.)

**4 Archive** (Archiving)

Submit the packet to a long-term storage service, preferably an official academic public permanent structure (like CINES in France for instance).

[BACK TO SCENARIOS](#)

**Documenting application of lasers in conservation / restoration** (Marta Castillejo, Mikel Sanz)

Art and art history Cultural heritage and museology Research results

Standards Technology preservation

**Project-centered EAD customization** (Charles Riondet)

Library and information sciences Cultural heritage and museology

Catalogs Encoding Mapping

**Standardizing « laser induced breakdown spectroscopy » analysis of glasses** (Marta Castillejo, Mikel Sanz)

Art and art history Cultural heritage and museology Research results

Standards Technology preservation

Last update: 8 months ago

## The « research scenarios »

Guidelines and tools are easier to understand and use when presented through examples. The SSK provides a variety of standardized procedures and resources in a meaningful context. The research scenarios help you identify the most useful material to help you carry out your research project, step by step.

Browse research scenarios corresponding to your research project, follow the steps and find the most fitted resources & standards !

## A standardized data model

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

- 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>)
- The documentation is also available (<https://ssk.readthedocs.io/en/latest/>)

```
<body>
<div type="scenario" xml:id="sc_digitization">
<head type="scenarioTitle" xml:lang="en">Digitizing textual material</head>
<desc type="definition" xml:lang="en">The digitisation process of original objects lies at the core of many activities in the digital humanities field. The way in which a source is digitised, determines to a large extent what kind of information can be gathered from this virtual replica. While there are many complementary processes which can enrich the the object (metadating, adding augmented layers etc.), these data will build upon the digital fascimile.</desc>
<desc type="terms" xml:lang="en">
<term source="aureHAL" type="discipline">Social Anthropology and ethnology</term>
<term source="aureHAL" type="discipline">History</term>
<term source="aureHAL" type="discipline">Philosophy and Sociology of Sciences</term>
<term source="aureHAL" type="discipline">Library and information sciences</term>
<term key="Data" source="TaDiRAH" type="object"/>
<term key="Image" source="TaDiRAH" type="object"/>
</desc>
</div>
</body>
```



### THE SSK NEEDS YOU !



Start contributing to the SSK by adding new scenarios on GitHub and soon directly on the interface.



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<http://ssk.huma-num.fr>



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