

The 20th Century brought us the tools to create all kinds of digital data. The purpose of the 21st Century is to make it available and accessible. Concerning our built heritage we use CAD to create nice pictures...

What about research?

What about science?

Working scientifically means to link 3d models with historical sources and scientific findings to make them comprehensive and revisable.

XML is the most powerful tool to create these links and to enhance communication between the shareholders of our built cultural heritage.

CHIMAN

Cultural Heritage Markup Language

CHML is the Markup Language for the built heritage.

CHML creates a new standard for all kinds of data concerning our built heritage.

CHML predefines the quality of digital reconstructions.

CHML creates a platform for new applications for our built heritage.

<chnl:contributers>

- Architects
- Archeologists
- Art Historians/Historians
- Conservationists
- Surveyors

<chml:requirements>



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Integration of various contents:

Sources

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• Written

Media

Linked

<chnl:requirements>

Integration of various contents:

Reconstruction

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- Linked 3d Objects
- Inline 3d XML Objects
- Reconstruction Documentation
- Phases/Versions

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- Integration of various contents:
 - Archeological Findings
 - Survey Data
 - Excavation and Survey Campaigns
 - Point Clouds, Photogrammetry
 - ³ 2d Plans, Various Media
 - Comments

<chml:requirements>

Integration of various contents: Historical/Cultural Data

Events

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- Timeline
 - Significance

<chml:methods>



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Independence from Applications and Platforms.

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Modularity

Implementation of other existing standards

<xml:standards>

3 XML Schema



XPath







<xml:standards>

3 XHTML



- 3DML
- MathML





<xml:standards>









<xml:tools>



<xml:tools>





<xml:institutions>



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