



Web3D Cultural and Natural Heritage Working Group

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Technology

SIGGRAPH 2015, August

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Commet/die geistlich in den flamen das er auff
die erden fiell das gesehen ist worden in drüßend welsch landt

**Working Group is
"Official"
Now What??**

Roadmap

- requirements
- technologies
- appearance
- metadata
- behavior

Concrete Tasks Need to be Defined

Tasks are in context (scope) of Web3D Consortium

- annotation tool(s)
- viewpoint walkthroughs (tours)
- X3D production paths
- Annotations - pointing to specific subsets of the geometry;
- Viewpoint dependent information
- High quality color manipulation
- Walkthroughs/Guided tours
- Authoring tool for all above

More Tasks and larger efforts:

- Feature/Additions to spec
 - material properties
 - audio?
 - x3d archival or presentation
- quality
- metadata for notes/source
- point to EU CIDOC-CRM standard?
- shape searching (3D object retrieval)

First meeting at Web3D 2015 (Crete)

- Dieter Fellner - Fraunhofer: large scale 3D acquisition
- Fone Kuijk - CWI: virtual environments / games
- Stuart Anderson - CSIRO: natural bio scanning
- Sam Parfano - EDF: reverse engineering
- Michal Foti - Italy: church model
- Don Brutzman - NPS
- Felix Hamza-Lup - Armstrong U:
- Carol Desprat - Toulouse France: sound properties
- Amada Sadagiz - NPS: educational applications
- Krzysztof Walczak - Poznan U of Econ: ARC

CSIRO Insect Digitization

Sample Insects X3DOM

Rijksmuseum

NRC Digization of Mona Lisa

Fraunhofer IGD CultLab 3D

Smithsonian - Scanning the

President

Virginia Tech - Smithsonian

<http://metagrid1.sv.vt.edu/~npolys/SI3D/>

Why Web3D Consortium

- 3D Archival Standard
- REAL ISO standards
- The Web is humanities greatest invention for the dissemination of information, so let's use it!

Resources

- Yale: <http://web.library.yale.edu/3d-objects>
- X3DOM modelconvert: <https://github.com/x3dom/pipeline/>
- openGLAM <http://openglam.org/> Galleries, Libraries, Archives, Museums
- 3d.si.edu
- Google Cultural Institute
- <https://www.google.com/culturalinstitute/u/0/home>

How can You Help

- mailing list: heritage@web3d.org
- twitter feed: [@Web3DConsortium](https://twitter.com/Web3DConsortium)
- propose a project
- join the WG

The End