

# SIGGRAPH 2017: Web-wide interactive 3D



[WWW.Web3D.ORG](http://WWW.Web3D.ORG)

**X3D: Your Hub for 3D Interactive Publishing**

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web3D  
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# Who are we?



International, non-profit, member funded, standards development organization

Developing the ISO specification for interactive 3D Graphics on the Web

Community of technologists, artists and enterprise

[WWW.Web3D.org](http://WWW.Web3D.org)



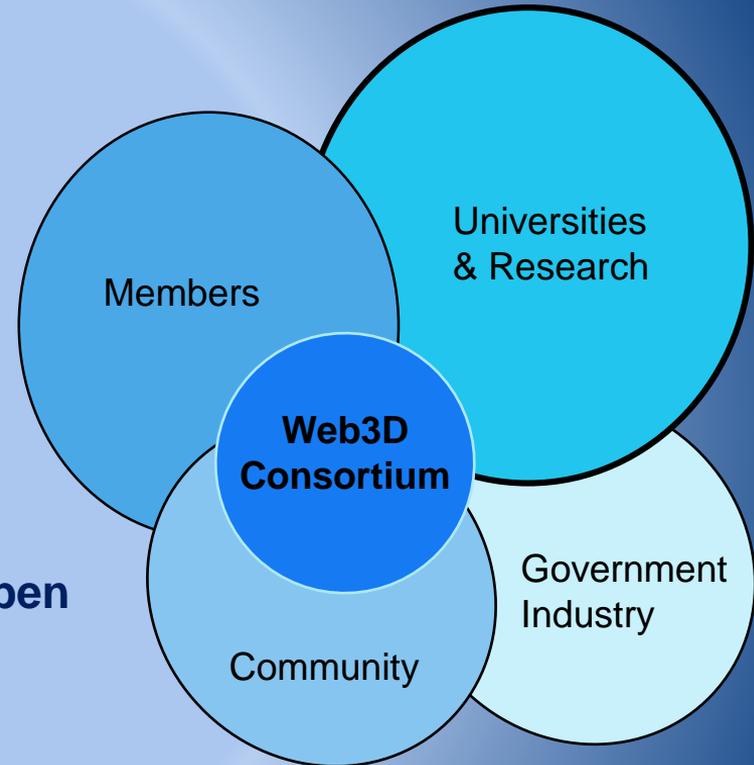
# Web3D Consortium Goals

Evolve open Web3D based 3D technologies

Empower 3D/VR Developers

Guide Policy Makers

Encourage enterprises and industry to use open standards and protect their Investments



# What is X3D?

- X3D is a ISO standardized specification for interactive 3D graphics
- File format and Runtime API (Javascript, Java, ...)
- Multiple encodings (file formats): XML, VRML, JSON, based on the same abstract scenegraph model
- Profile and Component structure promotes interoperability
- Multiple open source implementations (X3DOM and Cobweb)



[WWW.Web3D.org/X3D/what-x3d](http://WWW.Web3D.org/X3D/what-x3d)

**x3dom**  
Instant 3D the HTML way!



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# Web is our platform

- 3D + VR + AR Capable
- DOM Integrated - Declarative 3D
  - Change scene content through DOM
  - Render w/ WebGL
- Interaction
- Animation



# We are laying the foundation

Geospatial 3D  
Medical 3D  
Design 3D  
3D Printing



Simulation  
Humanoid Animation  
VR Technologies  
Augmented Reality



**X3D: Your hub for rendering 3D data**

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# X3D Capabilities

## Drilling Rig

Animation, interaction,  
shadows, details



## High Poly, Progressive Loading

Happy Buddha

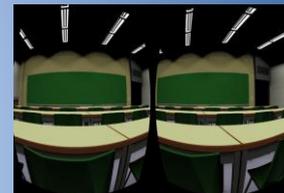


## Binary gITF

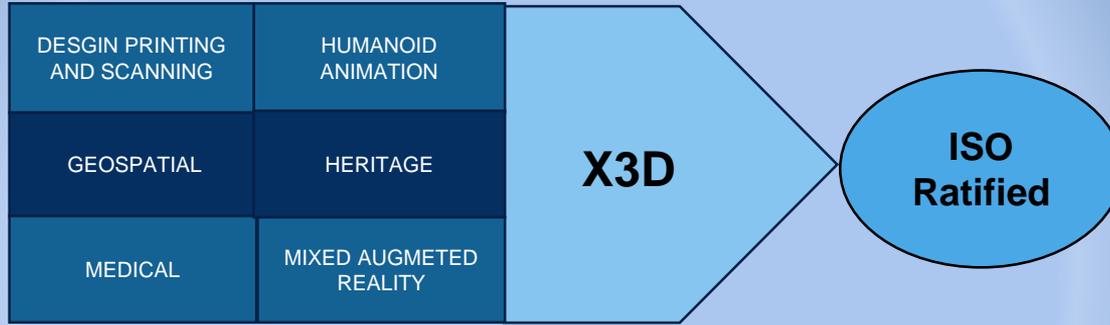
Cesium Milk  
Truck



## Oculus



# X3D: Your Hub for 3D Interactive Publishing





**We are going to simulate our 3D worlds  
one way or the other**

**How important is it to build a framework for open interoperable 3D  
technologies?**

**Join us as we make X3D the backbone for 3D rendering**

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# Join the Web3D Team



Join us and helps us make  
the 3D Web work for you!

Visit us at Booth 306

We3D 2018 Conference June 20-22, 2018  
In Poznan, Poland

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[www.web3dd.org/join](http://www.web3dd.org/join)  
[www.web3d.org/X3D/what-x3d](http://www.web3d.org/X3D/what-x3d)

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# Member Demos

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# Convergence

Web, industry and standards bodies have been collaborating for a foundation for open interoperable enterprise 3D solutions



*... and many more!*

# Web3D Consortium

[www.web3d.org](http://www.web3d.org)

## Consortium Member Benefits

Marketing	Business Opportunities	Drive Web3D Standards	Networking	Web3D Talent Bank
<ul style="list-style-type: none"><li>▪ Promote products</li><li>▪ Conference participation</li><li>▪ Booth partnership</li></ul>	<ul style="list-style-type: none"><li>▪ Business partnership</li><li>▪ Joint grants</li></ul>	<ul style="list-style-type: none"><li>▪ Working Group participation</li><li>▪ Early access to spec</li><li>▪ Board Seat</li></ul>	<ul style="list-style-type: none"><li>▪ Industry Leaders</li><li>▪ Research experts</li><li>▪ 3D companies</li></ul>	<ul style="list-style-type: none"><li>▪ Access to Web3D experts</li></ul>

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