The Web3D Consortium: Web3D.org

Extensible 3D (X3D)
Extensible for Convergence

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

... and many more!

www.web3D.org/liaisons
NEW RELEASES!

Four different open-source engines released for SIGGRAPH!

*Chock-Full-O-Features and formats ~!*

- **X3DOM.org**: Javascript Engine - New Release 1.8.3

- **X_ITE**: Javascript Engine - New Release

- **Castle Game Engine**

- **FreeWRL 6.1**
More BOFs this week

X3D4 is Web3D Ready - A major upgrade to the X3D Graphics
- Monday, 7 August 2023 - 3:00 PM - 4:30 PM Pacific. Room 514.

3D Web Interoperability for the Metaverse
- Tuesday, 8 August 2023 - 1:00 PM - 3:00 PM Pacific. Room 514.
Virginia Tech

Nicholas Polys
Immersive Cartography

2022-2023 Highlights:

- USDA Professional Forestry Training
- Stroubles Creek Tour
- Construction Safety and Liability Management
● USDA Professional Forestry Training
Scaling to 6 ecosystems and dozens of plots with X3DOM + React

Paper: Web3D’21
• Stroubles Creek Tour
Start Watching

Map showing the location of Troubles Creek with markers and a forested area in the background.
Construction
Safety and Liability
Management
Paper in ACM SIGGRAPH Web3D 2023!
MBARI – Mike McCann

Monterey Bay Aquarium Research Institute

3D Oceanographic Data Visualization with STOQS, an open source web application
Robots collect a lot of data...
Humans need to understand it...
3 Dimensional moving fluid with life growing in it...
Web 3D Community 🎉

All the groups: CAD, Geospatial, Medical, ...

- Makes it easy to “view source” to build 3D scenes
- X3D nodes are building blocks that work in standard web technology

Future work

- Volume visualization of 4D simulation data
- Tiles server for extremely large scene exploration
- … (what are your needs?)
Versar – Casey Gomez

USNA Annapolis

- Navy and Army
- Disparate Data Sources
- LiDAR, Imagery, GIS, CAD
- Georeferencing
- Survey Controls
- Geo to Local Transformation
- Tiling, Optimization
- UI Controls
Versar

Port of Gulfport, MS

- Navy and Marine Corps
- Data Collection Training Data
- LiDAR, Photogrammetry
- Survey Controls
- Geo Wrap
- Water Level
- Measuring Tool
- Movable Features
- UI Controls
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Web3D 2023 Metaverse Workshop

9-11 Oct 2023, San Sebastian, Spain - Tentative Program

2PM -5PM, Wednesday 11 October 2023  f2f Metaverse Workshop and Meetup

• Call for Speakers -
• Discussion topics
  • Scope & Use Cases
  • The Nature of Interoperability
    • WWW and device interfaces
    • Web Architecture & current standards
  • Paths to Interoperability
    • SDOs and engagement

• Review of the 3D Web Interoperability WG Deliverable
Join Our Global Community: Web3D.org!