



www.web3d.org



Web3D Consortium Overview

Anita Havele and Nicholas Polys
Web3D Consortium

Who are we?

International member-driven
Standards Development
Organization. Founded in 1997

Building and maintaining royalty-
free, ISO ratified open standard **X3D**
and **HAnim**



Our members span from Industry, academia, research institutes,
government agencies and professionals

What is X3D?

An ISO ratified royalty free open file format and run time architecture for publishing 3D on the Web and 3D printing

Encodings include: VRML, XML, JSON and Binary

Languages: Java, JavaScript
Python, C, C++, C#



The Web is our platform



All browsers
All platforms

Interoperable/Realtime sharing

X3D a Backbone for 3D Visualization

www.web3d.org/join



The backbone for the **new dimensions** of 3D!

Industry Standards Unify Communities

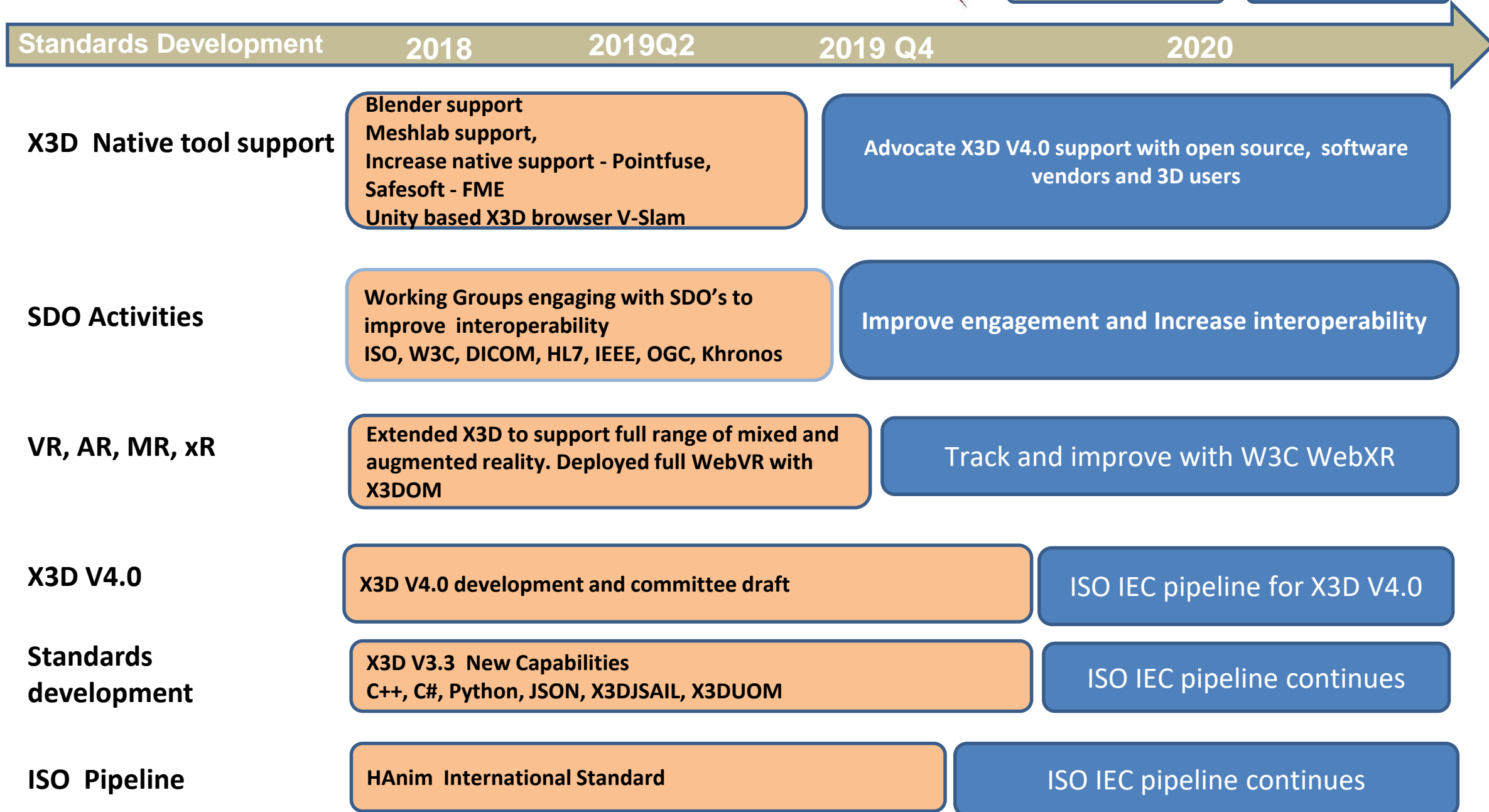
HL7 Version 2 & 3



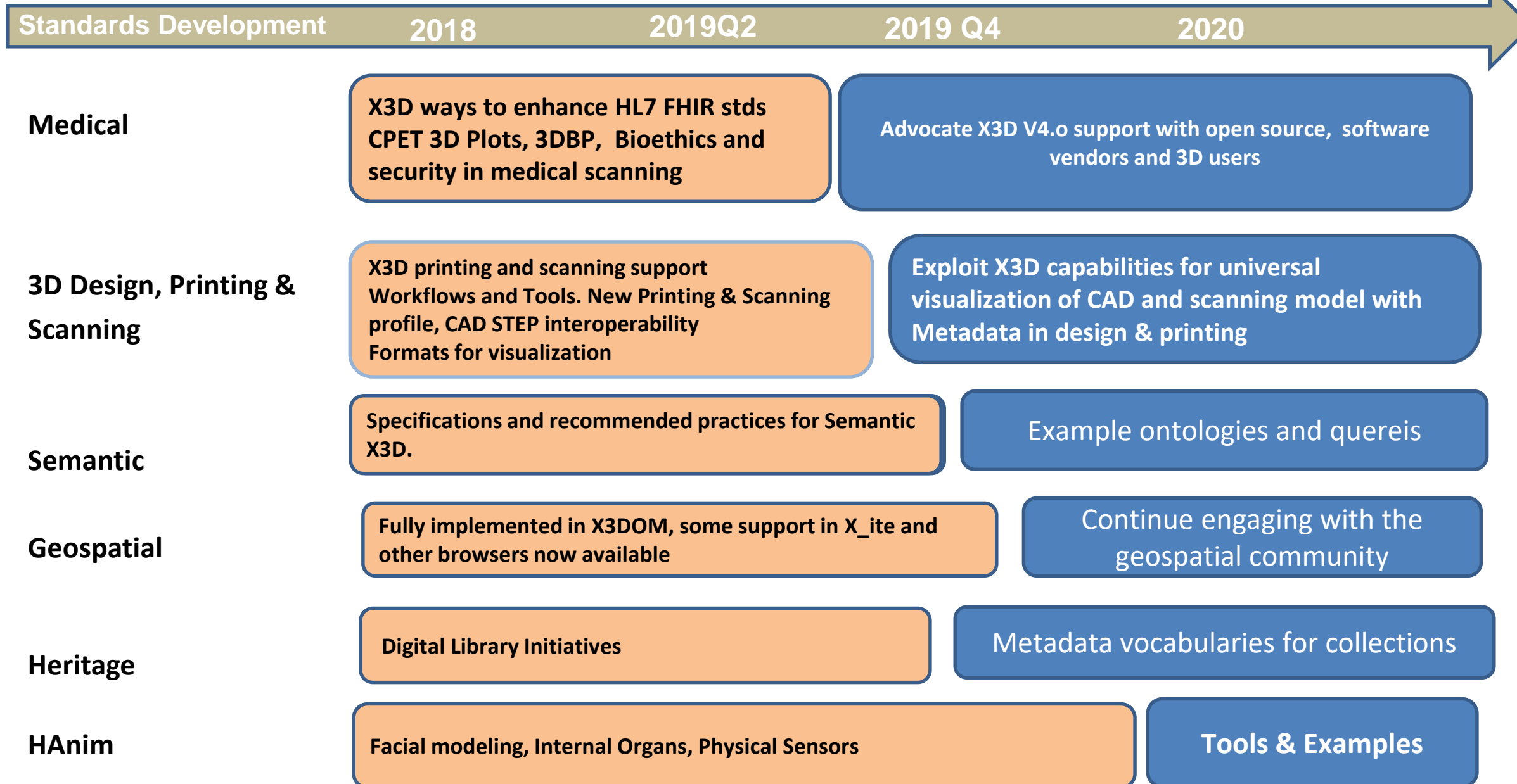
SDO Interoperability

- HL7 – FHIR Web3D Combo!!! Web3D ways to enhance FHIR
- IEEE- 3DBP – Consumer usage of 3D presentation formats
- DICOM WG 17 3D Printing formats
- ISO TC 184 SC4 W- G 16 – Visualization Formats – CAD and STEP Interoperability
- ISO TC SC24– HANIM and X3D V4.0
- OGC – Geo 3D Visualization using X3D
- Khronos –webGL and glTF

Web3D Standards Roadmap



Web3D Standards WG Roadmap



Our members are all doing it all!

Membership = Empowerment

- **EDF** - Manufacturing/energy
- **Virginia Tech** – Geospatial
- **NIH** – 3D Print Exchange, WebVR
- **NPS** – 3D Model Exchange,
- **KSHELL** – CAD Design
- **Synergy** – Facilities Management
- **MBARI** – **Scientific visualization**
- **Fraunhofer** – Service based X3D visualization

Participate

Upcoming Events

SIGGRAPH 2019 July 29-Aug 1, 2019 – LA

Booth 903

Birds of the Feather Sessions

Korea Chapter Meeting -

Monday, 29 July 2019 - 2pm - 6pm

Location Belasco, Hotel Indigo

Web Publishing with 3D in HTML5 Meeting

Tuesday, 30 July 2019 3pm - 4:30pm

Location LACC Room 504



Contact

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Web3D 2020 June 24-26, 2020 in Seoul, South Korea

Participate

- **Working Group Activities**
 - <http://www.web3d.org/working-groups>
- **Would you like to join in?**
 - Participants always welcome
 - <http://www.web3d.org/join>
- **Anything else? What are we overlooking?**
 - Improvements, suggestions are always welcome
 - x3d-public@web3d.org

