



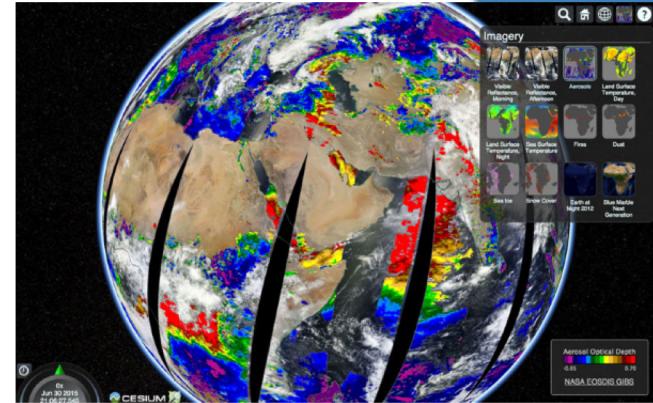
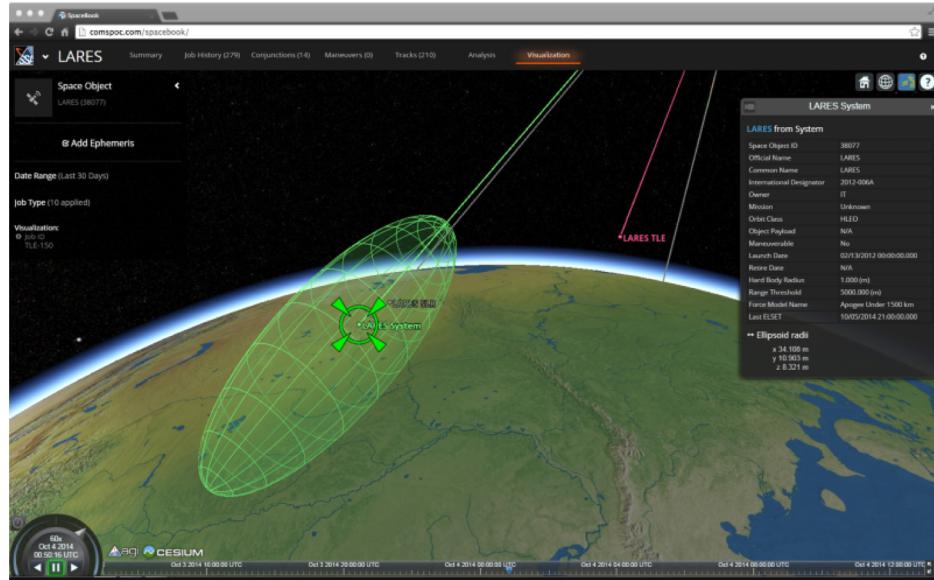
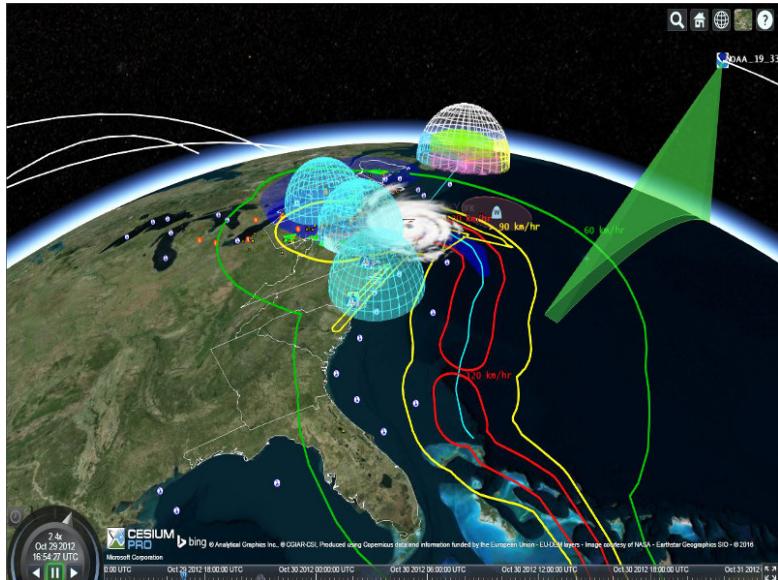
CESIUM®

Next dimension mapping

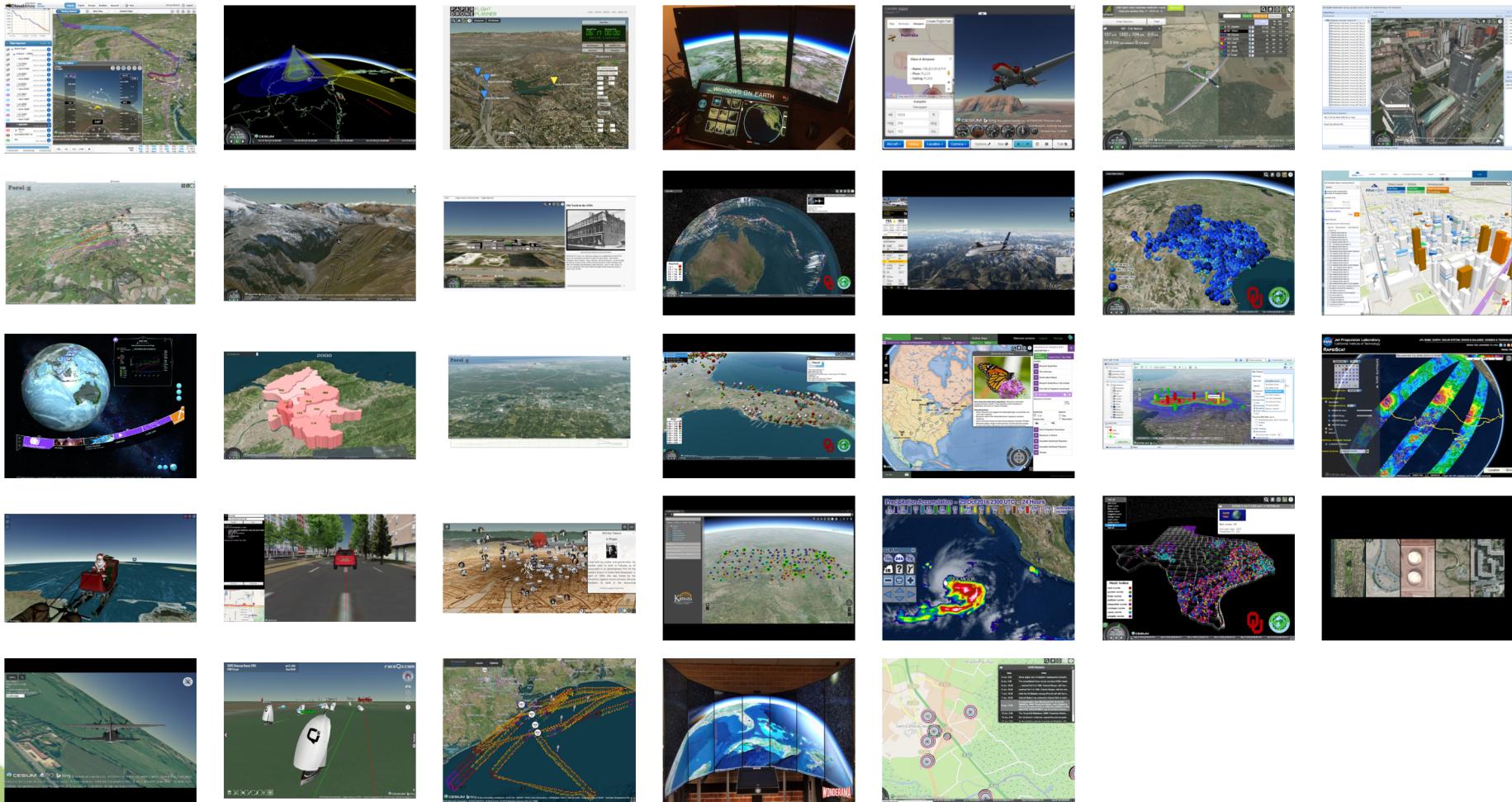
Todd Smith
@tsmith717

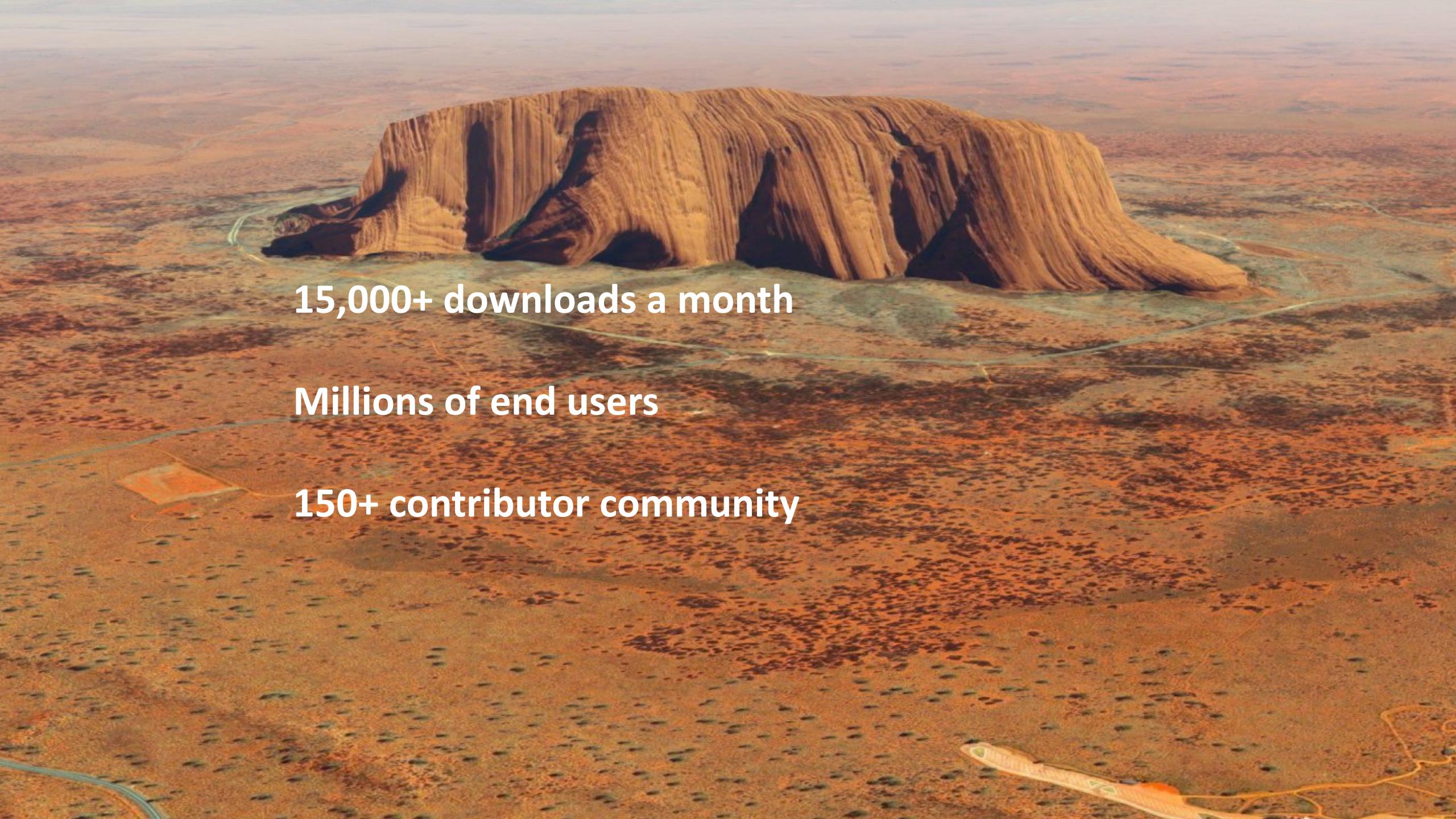


Cesium is 3D born in Aerospace



Google Earth to Cesium Momentum



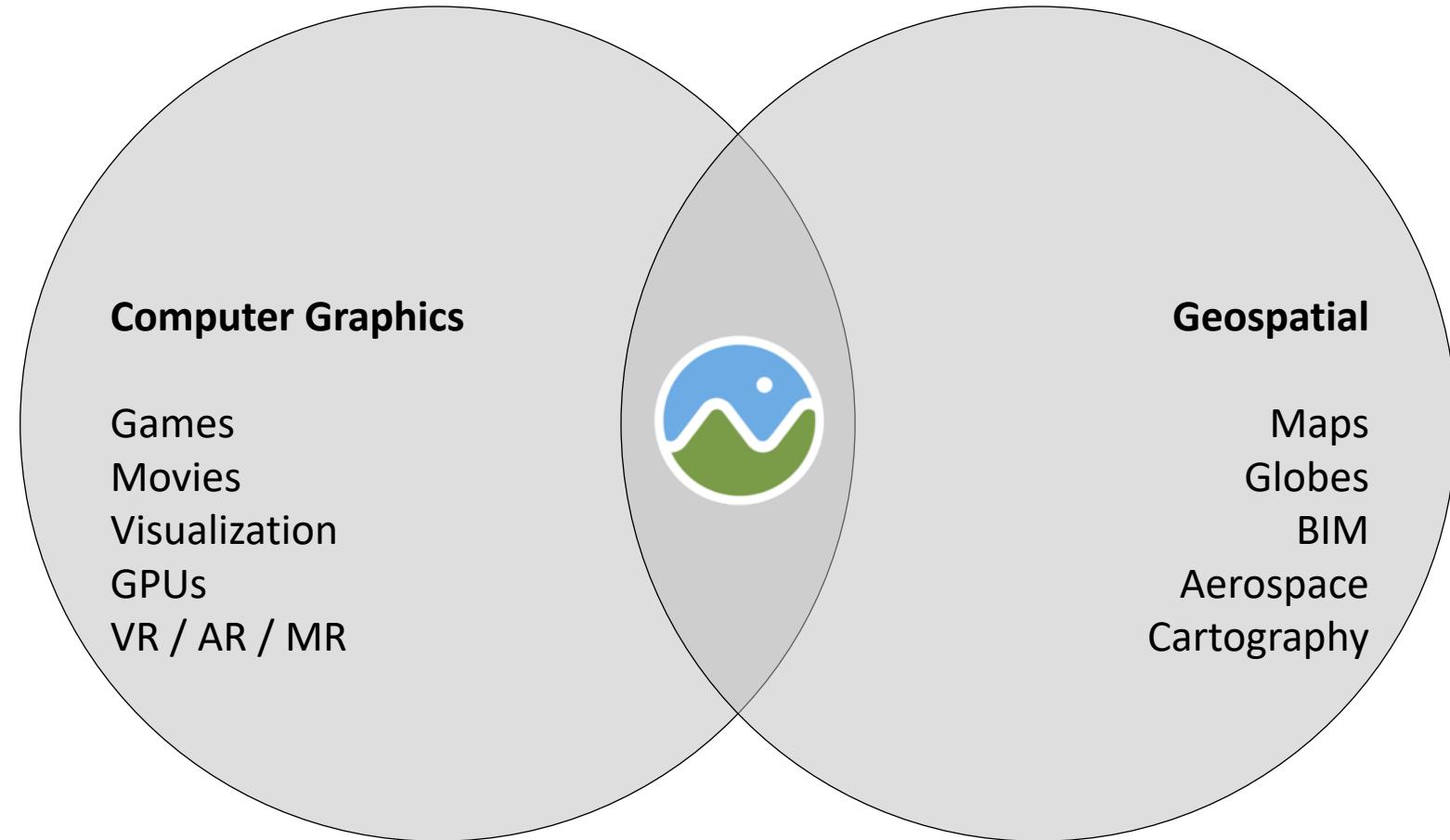
An aerial photograph of Uluru, a large, reddish-brown rock formation in the Australian Outback. The rock has distinct horizontal layers and several deep, dark alcoves. It sits in the center of a vast, flat landscape with sparse vegetation and a few small settlements visible as green dots. The sky is clear and blue.

15,000+ downloads a month

Millions of end users

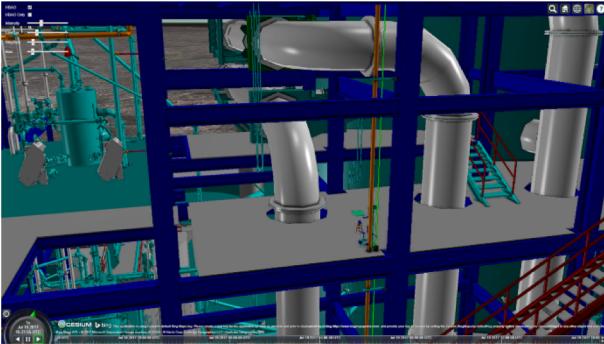
150+ contributor community

The Intersection of Computer Graphics and Geo



CesiumJS Demonstration

Heterogeneous Data Interoperability



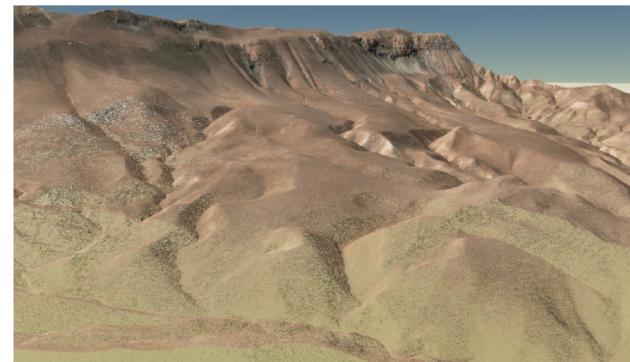
Photogrammetry

Terrain and imagery



3D buildings

BIM



Point clouds



Vector data



3D models

Interoperability via Open Standards



- Runtime 3D format
- Chair, Khronos 3D Formats
- Spec Co-editor



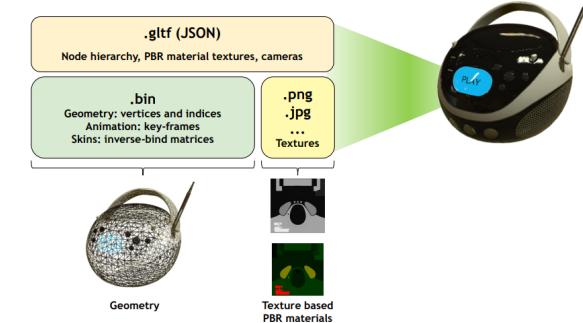
- Massive heterogeneous 3D datasets
- Creators
- OGC Community Standard in-progress



Industry Support



API neutral



The core of Microsoft's 3D

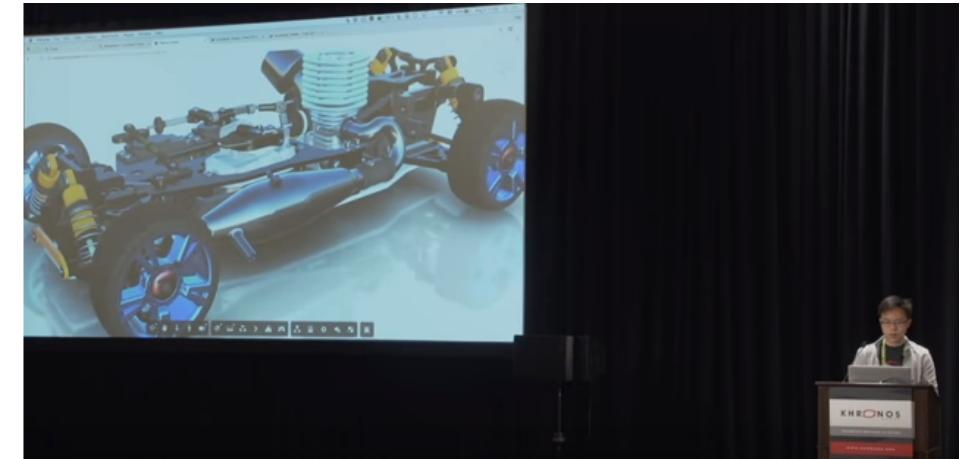


Patrick Cozzi
@pjcozzi

glTF is at the core of Microsoft's 3D for Everyone vision thanks to [@iamSBTron](#) and [@bghgary](#). Paint 3D, Viewer 3D, remix3d, Babylon, Office!!



Autodesk Forge



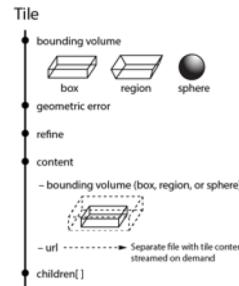
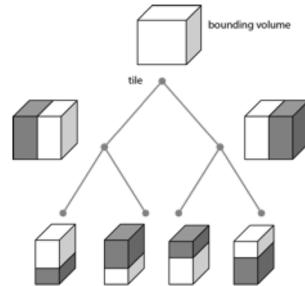
3D efficiency and robust interoperability

<https://www.khronos.org/gltf>





Spatial data structures

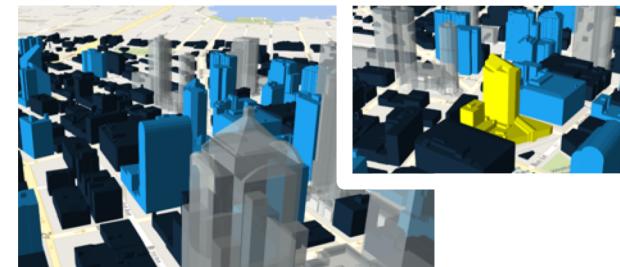


gltf



Styling

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    }  
}
```



Metadata

Massive heterogeneous 3D datasets with [semantics](#)

Cesium ion demo