

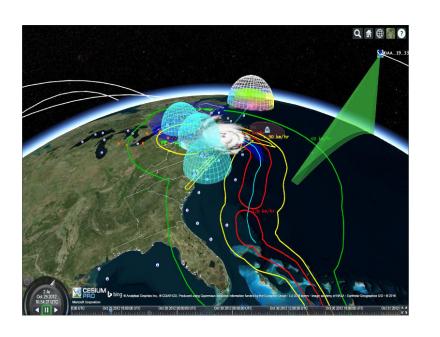
Next dimension mapping

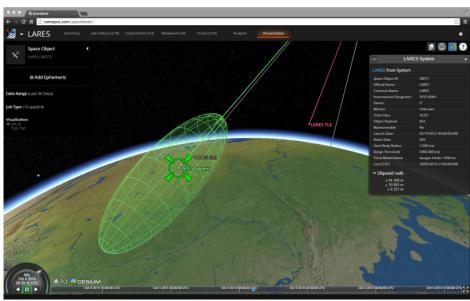
Todd Smith tsmith@agi.com @tsmith717

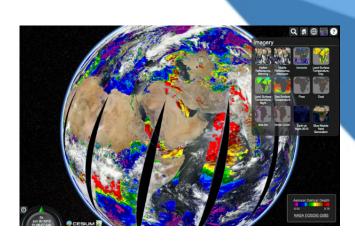




Cesium is 3D born in Aerospace





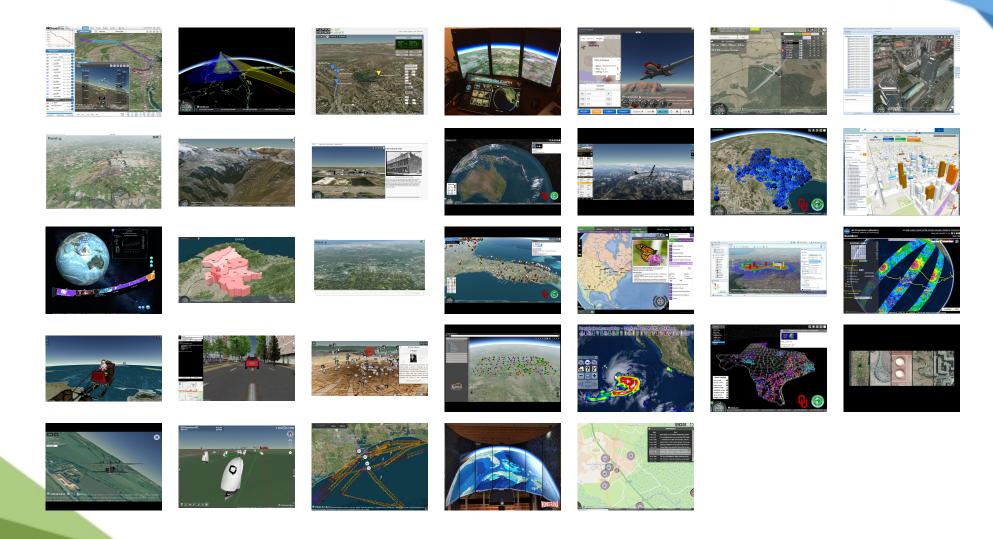








Google Earth to Cesium Momentum

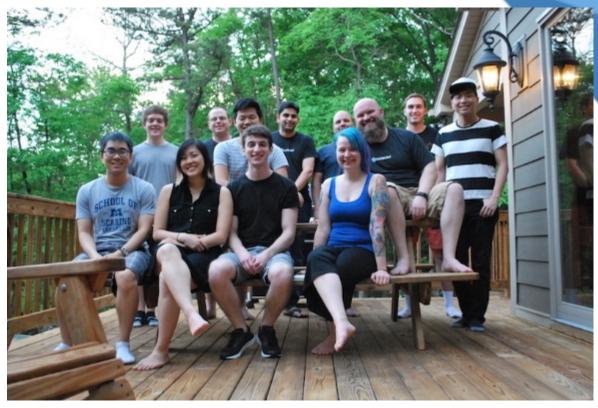






Built with Care

- Great team
- Over 9,200 tests
- 93% test coverage
- 129K lines of code
- 131K lines of test code
- Public peer review
- Static analysis



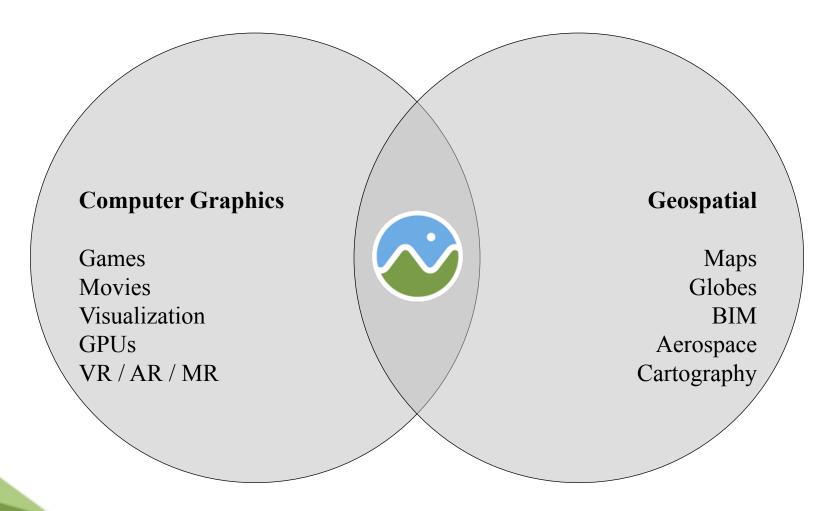








The Intersection of Computer Graphics and Geo





Terrain and Imagery



Mount Chamberlin. 50cm terrain and 25cm imagery



Lighting and water

- DEM, DTED, etc.
- GeoTIFF



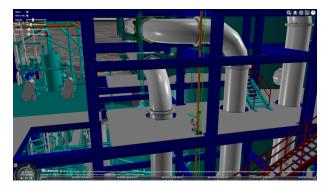
quantized-mesh, TMS



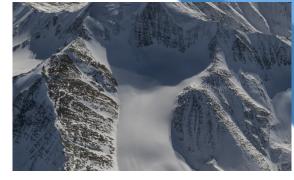


Heterogeneous Data Interoperability









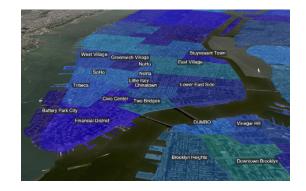




Photogrammetry Terrain and imagery







3D buildings



Point clouds

Vector data





Interoperability via Open Standards



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



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







Massive heterogeneous 3D datasets with semantics



Video



3D Tiles Update

- Testbed 13
 - Demo event 12-13 DEC at USGS, Reston, VA
- Lots of 3D Tiles interest from industry
 - 3D Tiles Pioneer program to help users get their data converted
 - https://cesium.com/3d-tiles-pioneers/
- Community Standard status
 - Early next year for final vote



QUESTIONS?

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