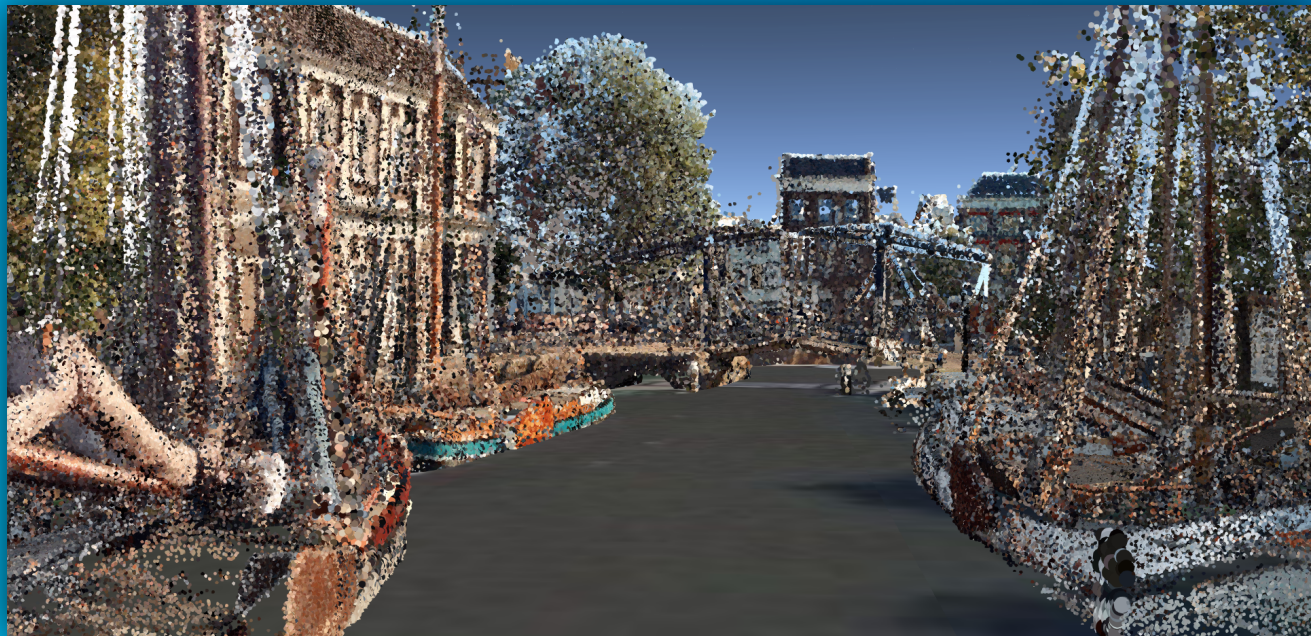


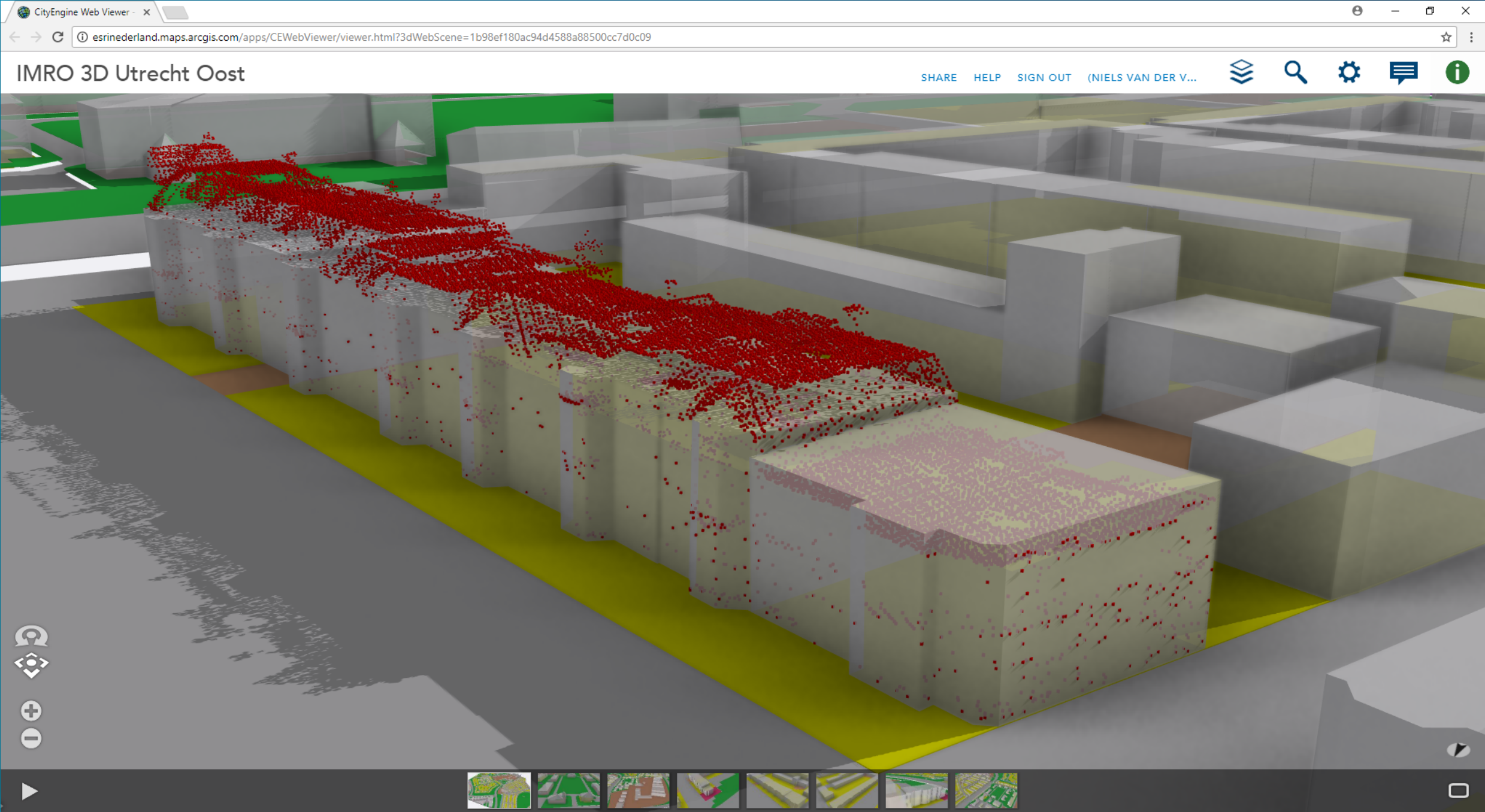


Sharing and consuming point clouds via webservices

Niels van der Vaart







Esri / i3s-spec

Watch30Star54Fork20

Code

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Insights

This repository hosts the specification for Scene Layers which are containers for arbitrarily large amounts of geographic data. The delivery and persistence model for Scene Layers, referred to as Indexed 3d Scene Layer (I3S) and Scene Layer Package (SLPK) respectively, are specified.

web-development

3d

specification

24 commits

1 branch

0 releases

4 contributors

Branch: masterNew pull request

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w12594822 committed with Tamrat-B Update SceneService.md (#8) Latest commit d7087af on Sep 21

format	I3S Ver. 1.6 Updates	9 months ago
profiles	I3S Ver. 1.6 Updates	9 months ago
service	Update SceneService.md (#8)	2 months ago
.gitignore	Initial commit of 1.4 public spec	3 years ago
README.md	I3S Ver. 1.6 Updates	9 months ago
sceneLayers.jpg	I3S Spec 1.5 update	a year ago
sceneLayers_highRes.png	I3S Spec 1.5 update	a year ago

README.md

Scene Layers: Service and Package Standard

iPad



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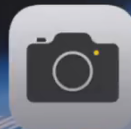
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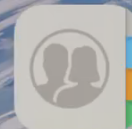
Calendar



Photos



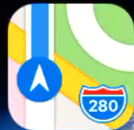
Camera



Contacts



Clock



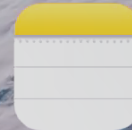
Maps



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Videos



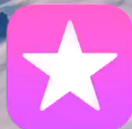
Notes



Reminders



Photo Booth



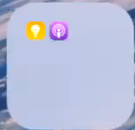
iTunes Store



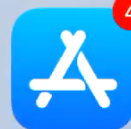
iBooks

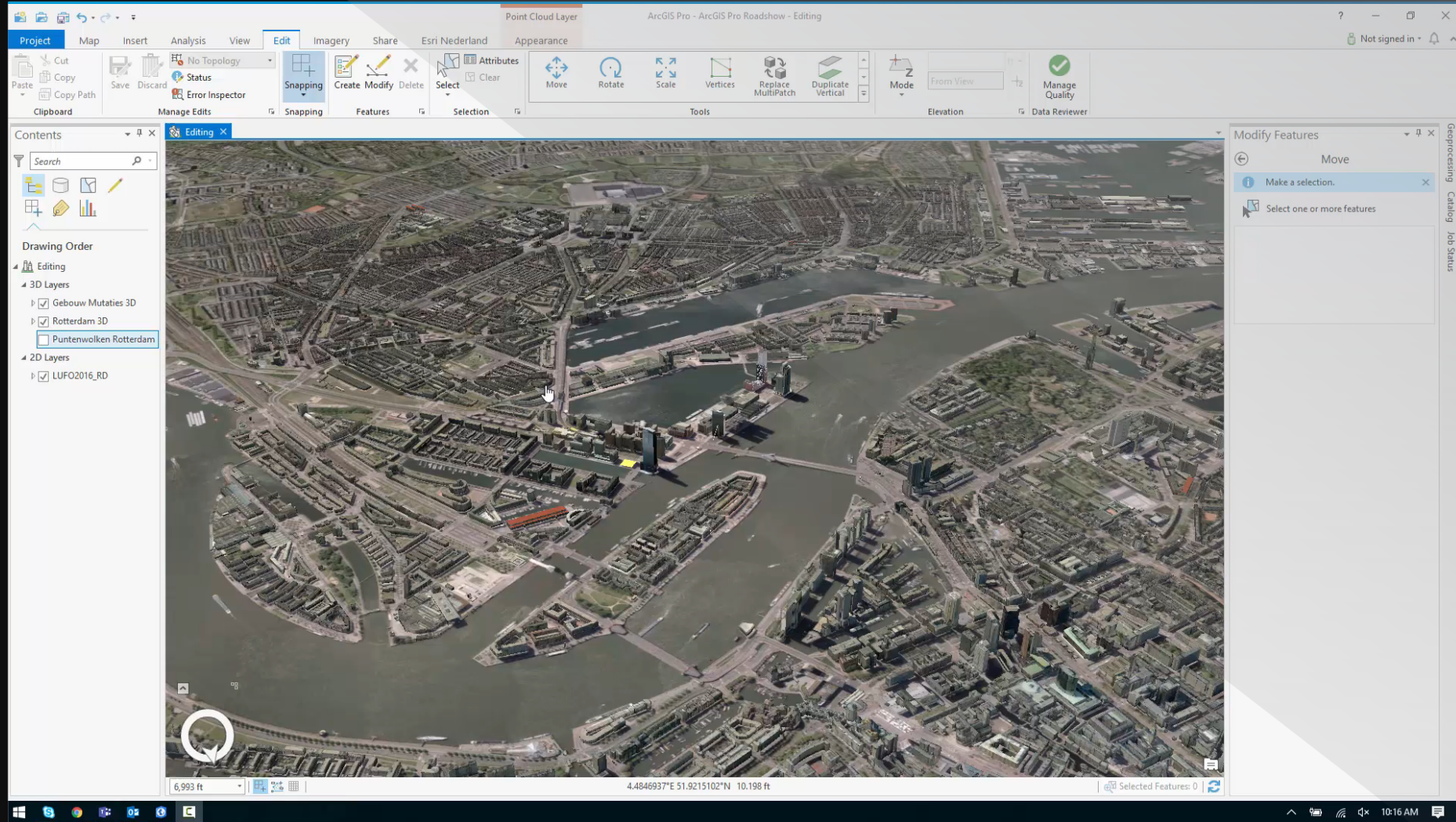


Settings



Extras





OGC approves Community Standard for streaming 3D Content

info@opengeospatial.org

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info@opengeospatial.org

Release Date:

Wednesday, 6 September 2017 UTC

The Open Geospatial Consortium (OGC®) membership has approved a new 3D standard for content strategy. This standard is focused on high performance visualization and spatial analysis in a services or disconnected environment. The standard is referred to as the OGC Indexed 3D Scene Layer (I3S) and the Scene Layer Package Format (SLPK) Specification. These standards are released as an OGC Community Standard. Esri, along with numerous endorsing organizations, submitted the I3S and SLPK specification into the OGC Community Standards process for use by the entire 3D visualization community. The document was submitted under the Creative Commons Attribution-ShareAlike 4.0 International (CC BY-SA 4.0) license.

A single I3S data set, referred to as a Scene Layer, is a container for large amounts of heterogeneously distributed 3D geographic data. Scene Layers are designed to be used in mobile, desktop, and server-based workflows and can be accessed over the web or as local files.

The I3S format is declarative and extensible and can be used to represent different types of 3D data. The following layer types have been specified and the standard validated via implementation and production deployments:

3D Objects e.g. building exteriors from geospatial data, 3D models

Integrated Meshes e.g. a mesh surface with high resolution imagery textures representing the skin of the Earth, typically created from satellite, aerial, or drone imagery

Point Features e.g. geolocated hospitals or schools, trees, street furniture, or signs

The Indexed 3D Scene Layer (I3S) and Scene Layer Package (*.slpk) are open formats and not dependent on any vendor-specific solution, technology, or products.

"The OGC I3S and SLPK Community Standard is an important contribution to the rapidly evolving 3D visualization and analytics community and extends OGC's offerings for delivery of 3D content. The OGC Community Standards review and approval process resulted in significant improvements to the documentation of this standard," said Scott Simmons, Executive Director of the OGC Standards Program.

As with any OGC standard, the open I3S and SLPK Community Standard is free to implement. Interested parties can view and download the standard from <http://docs.opengeospatial.org/cs/17-014/17-014r5.html>

Open Geospatial Consortium

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Category: OGC® Community Standard

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OGC Indexed 3d Scene Layer (I3S) and Scene Layer Package Format Specification

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This document is an OGC Member endorsed international Community standard. This Community standard was developed outside of the OGC and the originating party may continue to update their work; however, this document is fixed in content. This document is available on a royalty free, non-discriminatory basis. Recipients of this document are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Document type: OGC® Community Standard

Document subtype:

Document stage: Approved

Document language: English

1



esri Nederland

A nighttime cityscape featuring a large cable-stayed bridge over a body of water. The city skyline is illuminated with various lights, and long-exposure light trails from traffic are visible on the roads in the foreground. The text "THE SCIENCE OF WHERE" is overlaid in the center.

THE SCIENCE OF WHERE