Schweizerische Eidgenossenschaft
Confédération suisse
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Confederaziun svizra

wissen wohin
savoir où
sapere dove
knowing where

swisstopo

3D in Web

GeoMapfish – 29.6.2016

3D: swiss geoportal goals - 2015

- Publish 3D datasets: DTM – TLM
- Plug-in free technology
- Mobile
- Creation of a new «3D Background» (like swissimage or national map)
- Go Live in 2015

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3D: swiss geoportal developments

- 3D Terrain Service
- 3D Viewer
- 3D Object Service

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3D Terrain Service

- Implement a 3D Forge for reading/writing the quantized mesh format (https://cesiumjs.org/data-and-assets/terrain/formats/quantized-mesh-1.0.html)
- Source code: https://github.com/geoadmin/3d-forge

3D Viewer

- Extent map.geo.admin.ch with a new «3D background»
- Use CesiumJS integration within OpenLayers.
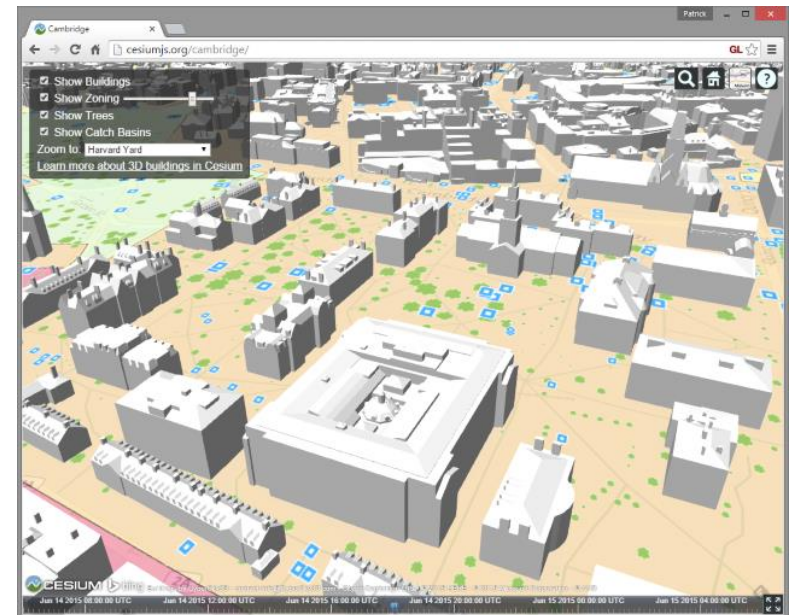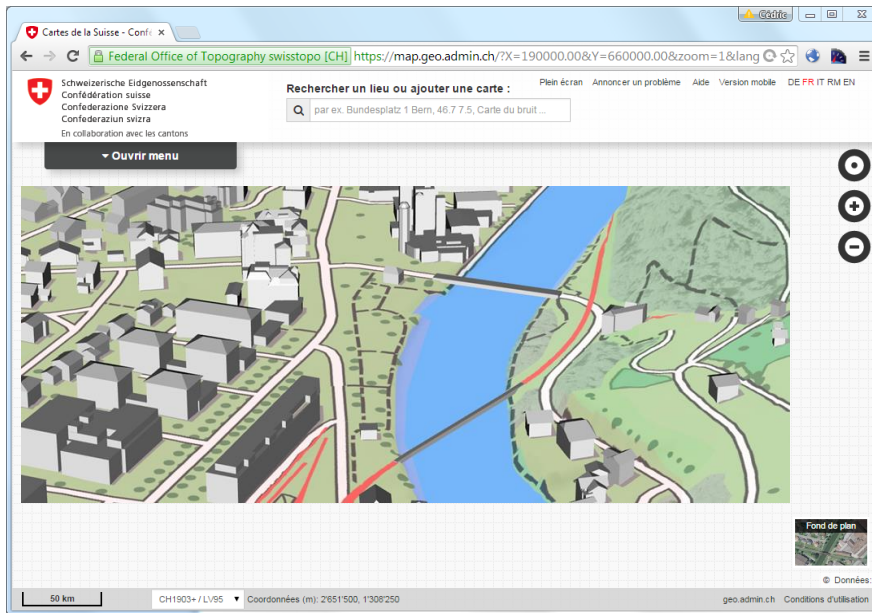
3D Object service

- Publish 3D TLM features (buildings, bridges, etc…)
- Call for tender under preparation

THANKS !

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