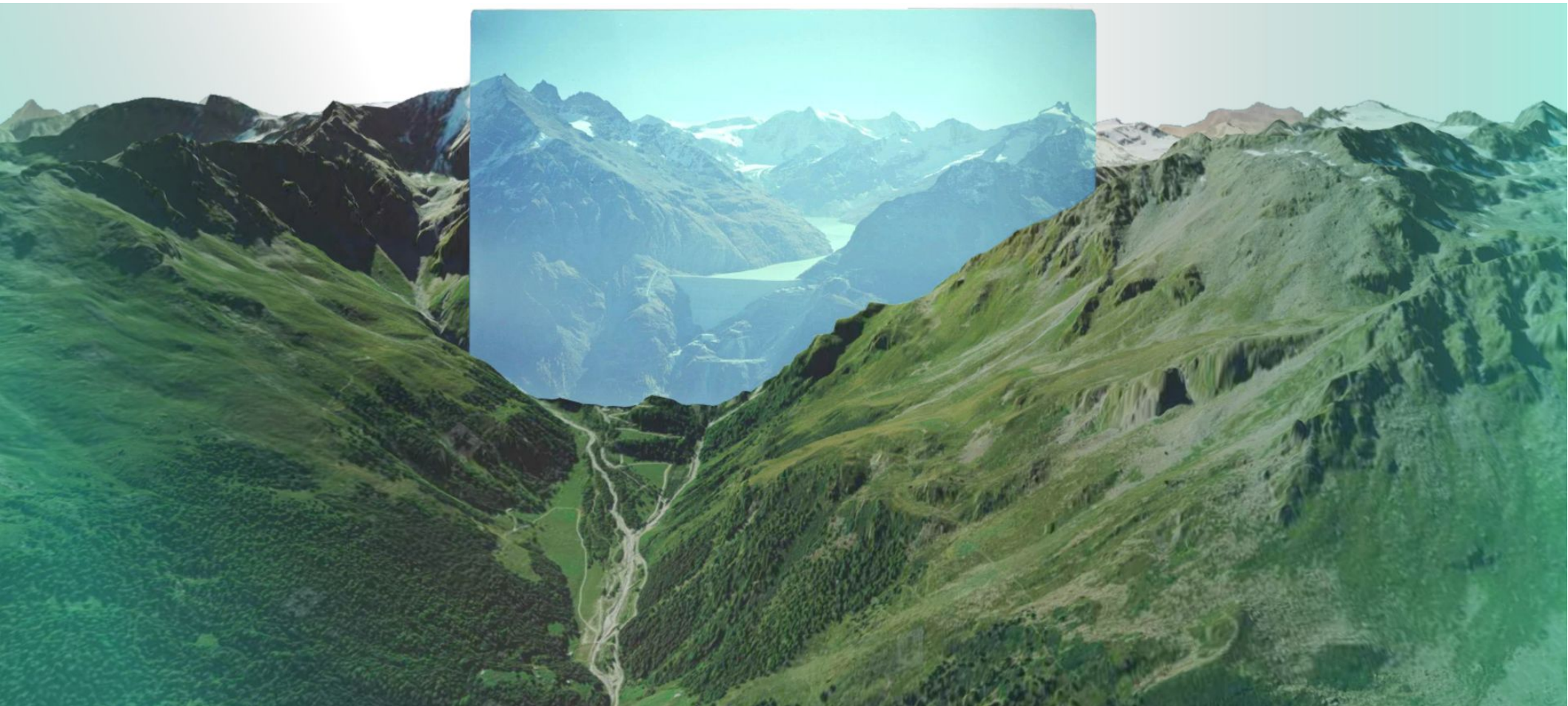


smapshot ♥ swisstopo

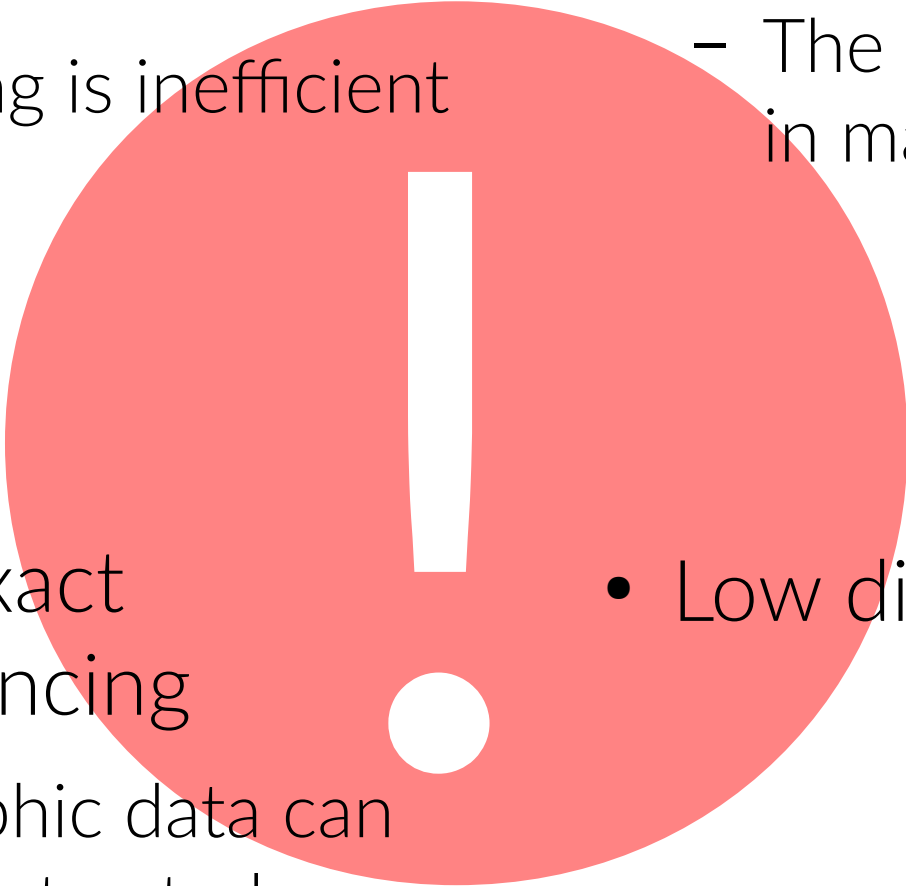


Value of historical landscape images

- Snapshots of the landscape
 - Climate change
 - Urbanization
 - Natural hazards...
- For public
 - Visualize change (in a natural way)
- For scientists
 - Measure change



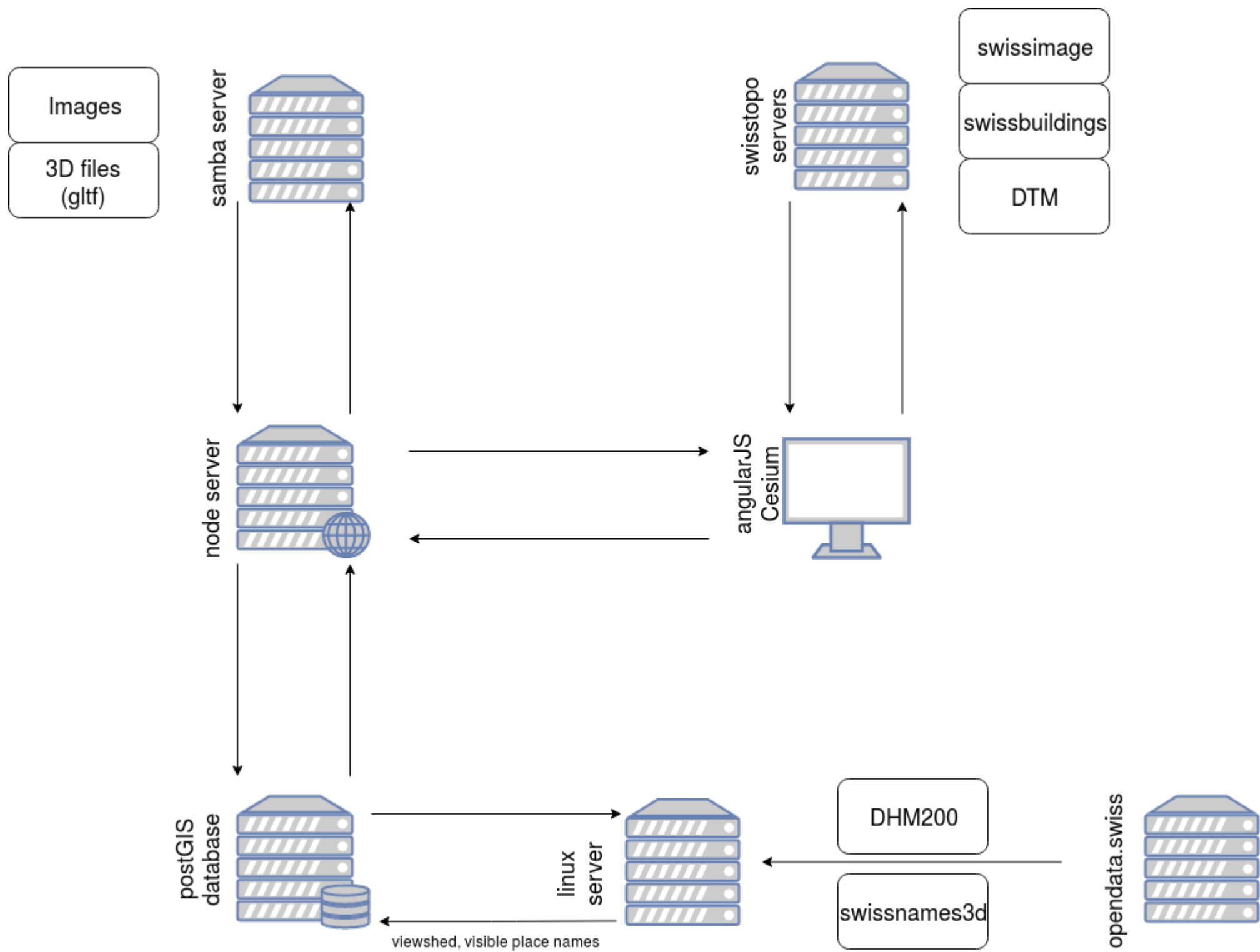
Problems of historical images

- Lack of metadata
 - Searching is inefficient
 - Scattered
 - The images are stored in many archives
 - Lack of exact georeferencing
 - Geographic data can not be extracted
 - Low diffusion
- 

Demo

3D data

- 3D data is central in snapshot:
 - Georeferencing with 2D data is possible but:
 - The detection of control point in a 2D map is difficult for non-specialists
 - 3D buildings ease the detection of control points
 - The comparison without 3D is impossible
- Bing Maps
 - ✗ Low resolution
 - ✗ Low accuracy
 - ✗ Buildings
 - ✓ Global extent
- Swisstopo
 - ✓ High resolution
 - ✓ High accuracy
 - ✓ Buildings
 - ✗ Global extent

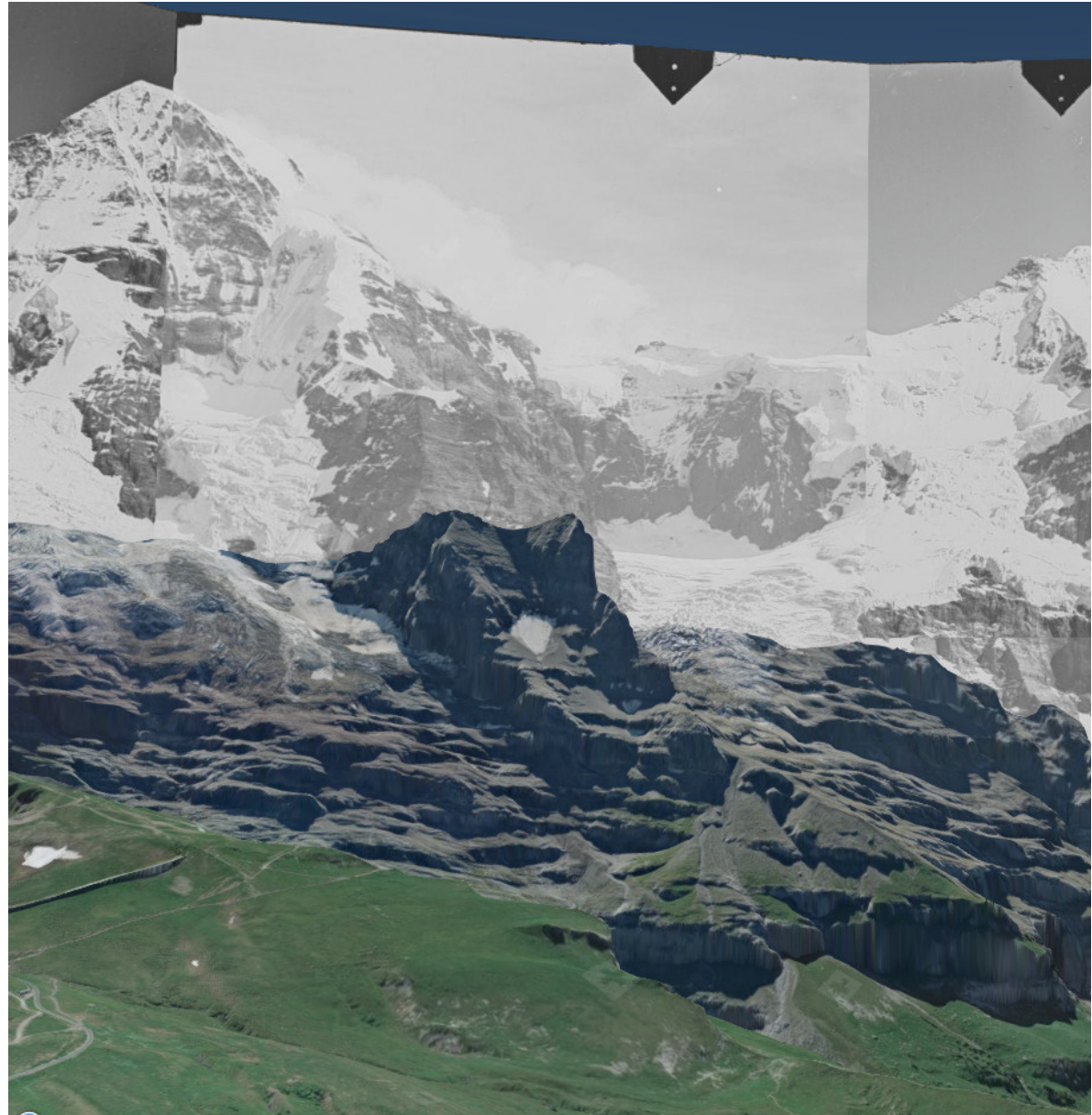


swisstopo geoservices

- Many examples
 - Responsive and competent team
 - swisstopo data was easy to integrate
-
- 3D gives one more chance to have coordinates systems errors

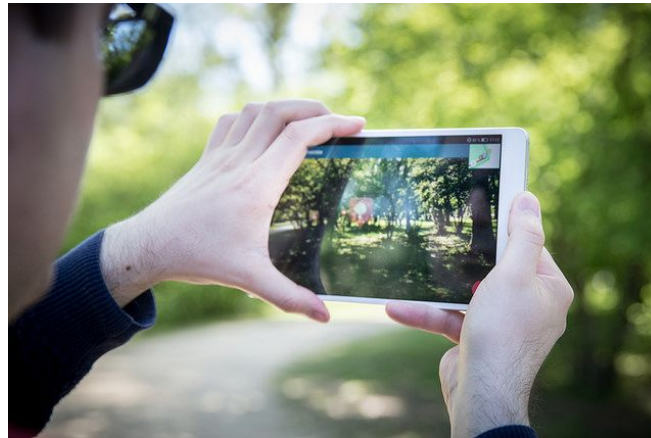
Next steps

- Insert swisstopo's terrestrial images
- Go global
- Go mobile
- Generate 3D historic models



Summary

- 3D geoservices open new opportunities
 - Augmented reality and virtual reality are no more SciFi.



- Official data have a better quality than “free” data from GAFA and al.
- The price of must be affordable for emerging businesses / services

Merci

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