Map Apps for Citizens

swisstopo-App

EuroGeographics Members' webinar; 2022-09-22

Schweizerische Eidgenossenschaft
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Achievements

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Maps

Background

National map 1:10 000 to 1:1 mio. «original»/grey/winter

Aerial images

Aeronautical maps (aeronautical chart ICAO, glider map)

Historical maps (first edition of Dufour and Siegfried map)

Historical aerial image 1946 («US flight mission»)

Routes

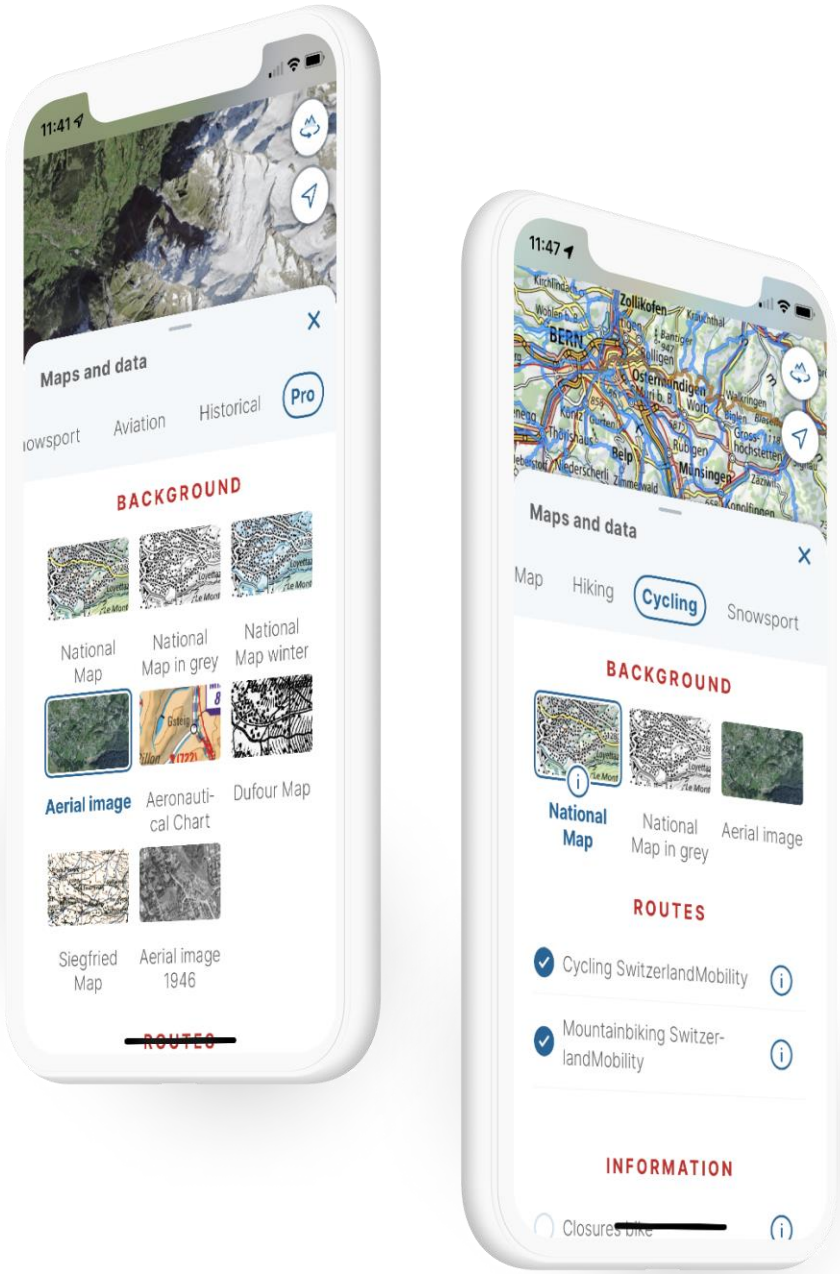
Hiking Hiking trails, public transport stops, closures, livestock guardian dogs, shooting range bulletins

Cycling Cycling and mountainbiking SwitzerlandMobility, closures

Snowsport Ski routes, snowshoe routes, slopes, protected areas, Designated wildlife areas...

Aviation Obstacles, airspaces, protected areas...

Pro mode all topics combined



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Features

Planning tours with Smart-Drawing
Snapping function optimised for the respective type of movement, incl. time calculation for hiking, cycling, and MTB

Tour guide
Arrival time, remaining time

Record tour (tracking)

Labelling mountain peaks in panorama mode

Compare maps, set markers, measure

Map- and data download (offline use)

All functions of the app and the storage of maps for offline use are **free** of charge thanks to OGD.

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Concept Before, during, after a tour

- **Basic maps**
- **Layers**

Inspiration / Search → **Planning** → **On the road** → **Afterwards**

- **QR codes to tours in magazines**

- **SmartDrawing**
- **Map download**
- **Markers**
- **Compare**
- **Panorama Mode (VR)**

- **Tracking**
- **Tour guide**
- **Panorama Mode (AR)**

- **Sharing**
- **Report changes**

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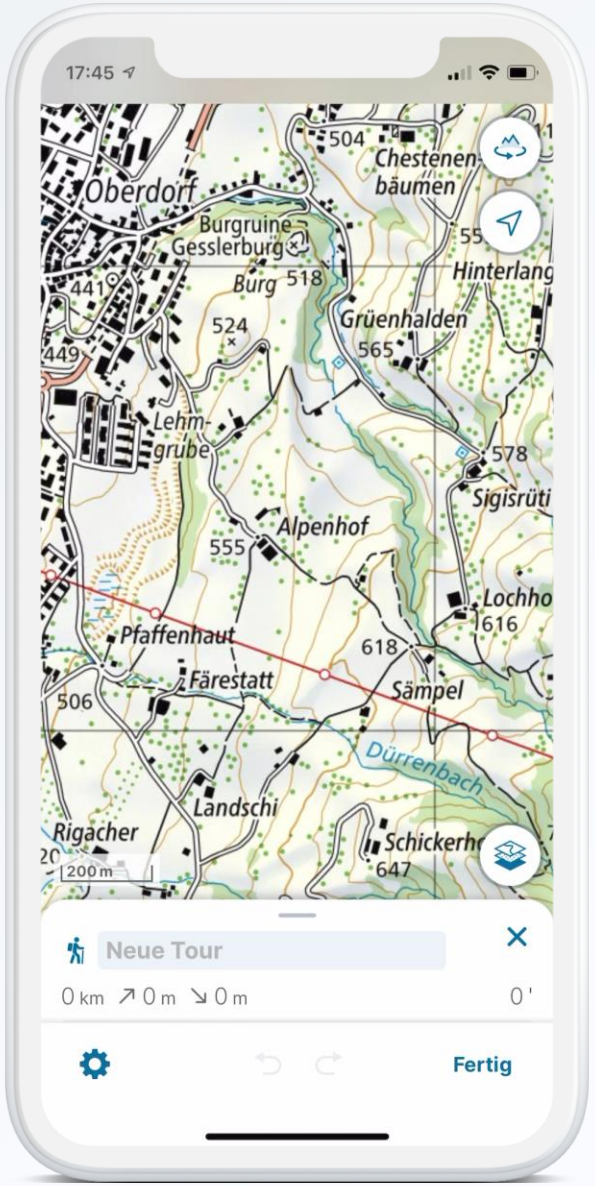
Before
Smart Drawing



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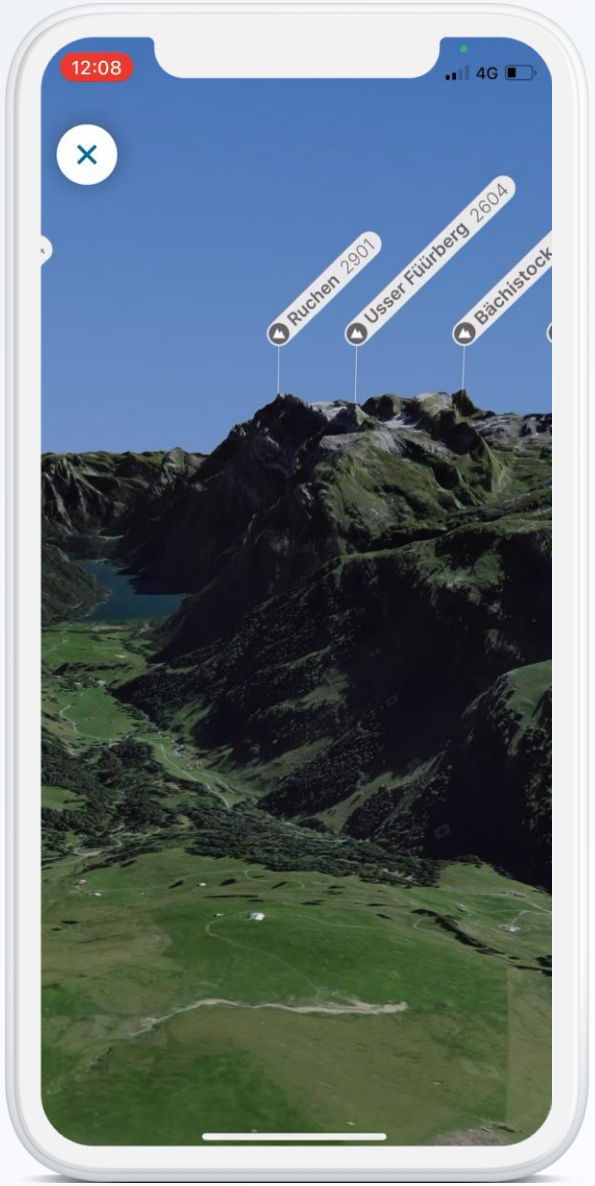
Before **Panorama Mode (VR)**



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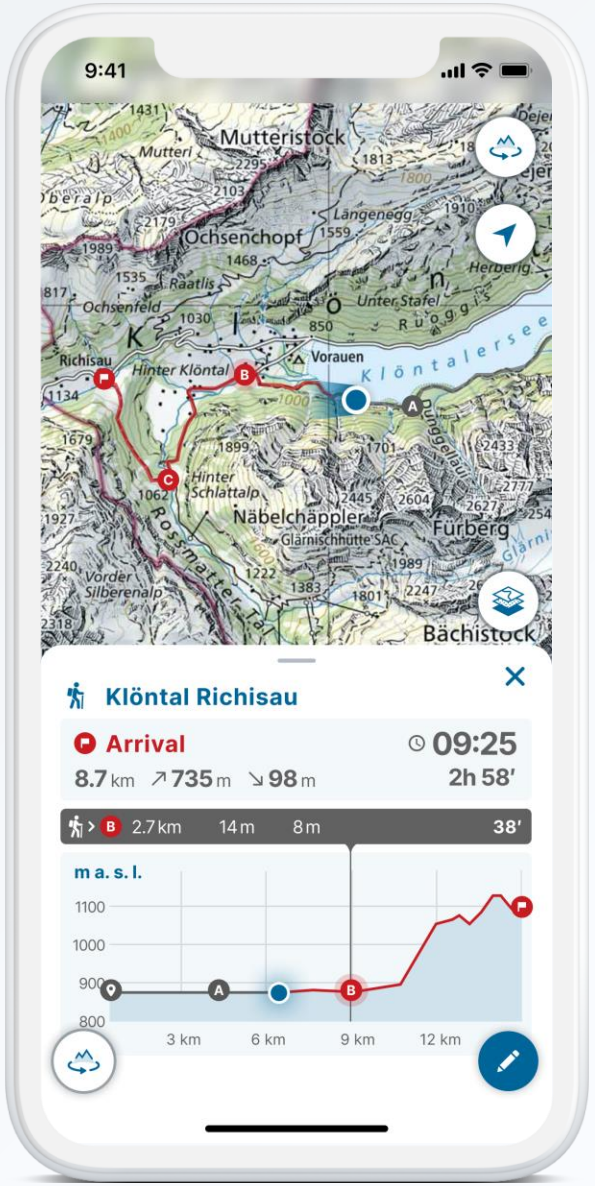
During
Tour guide



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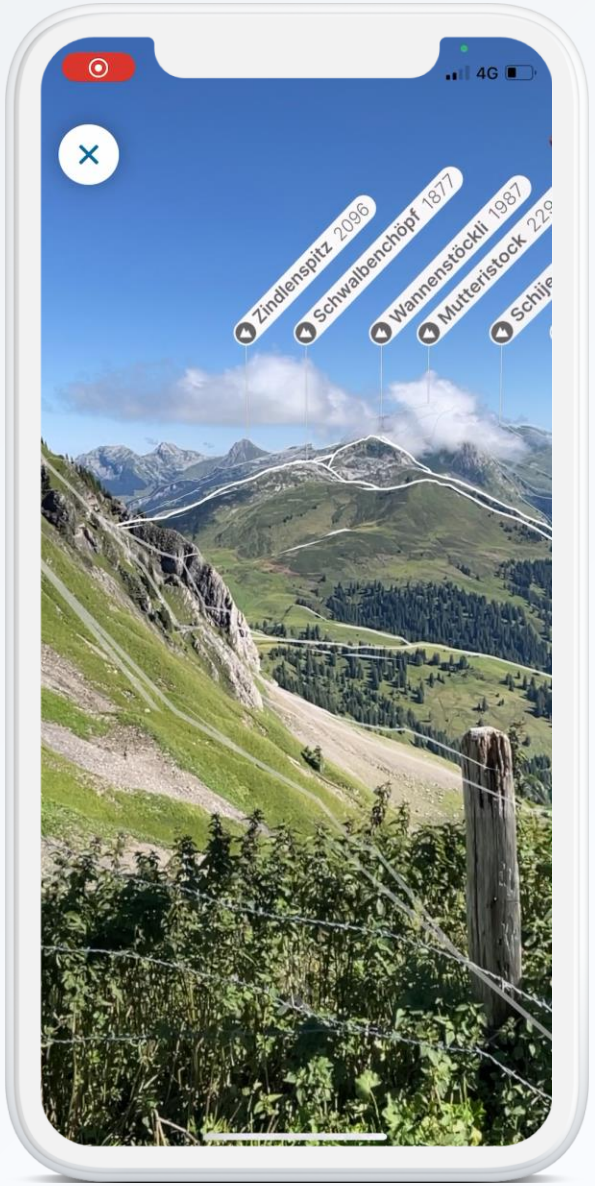
During **Panorama Mode (AR)**



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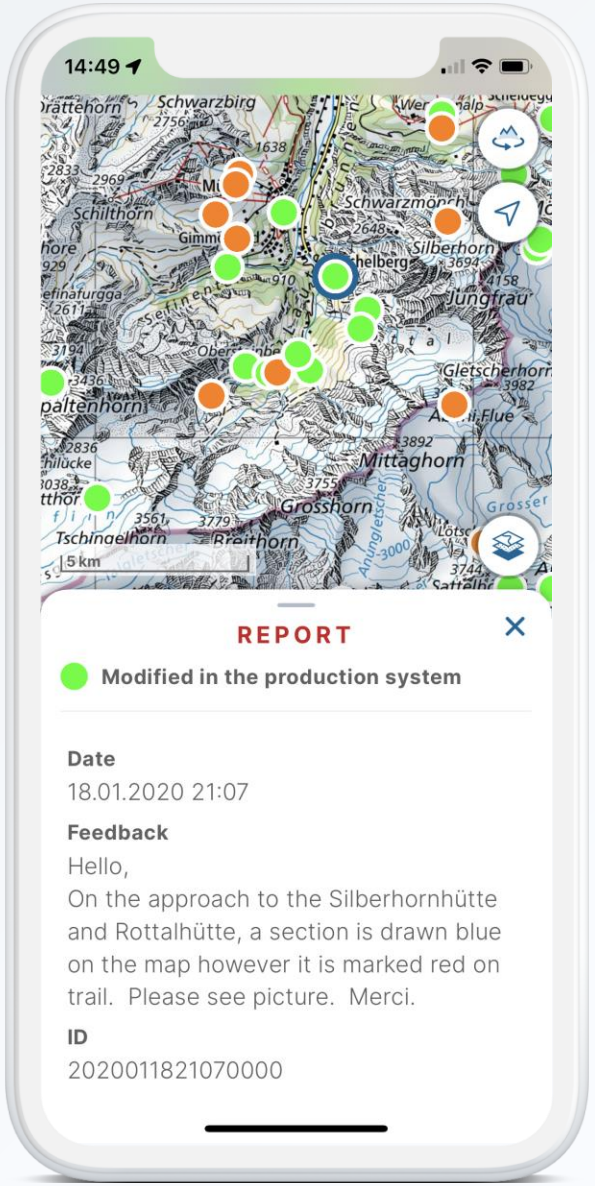
After **Report changes**



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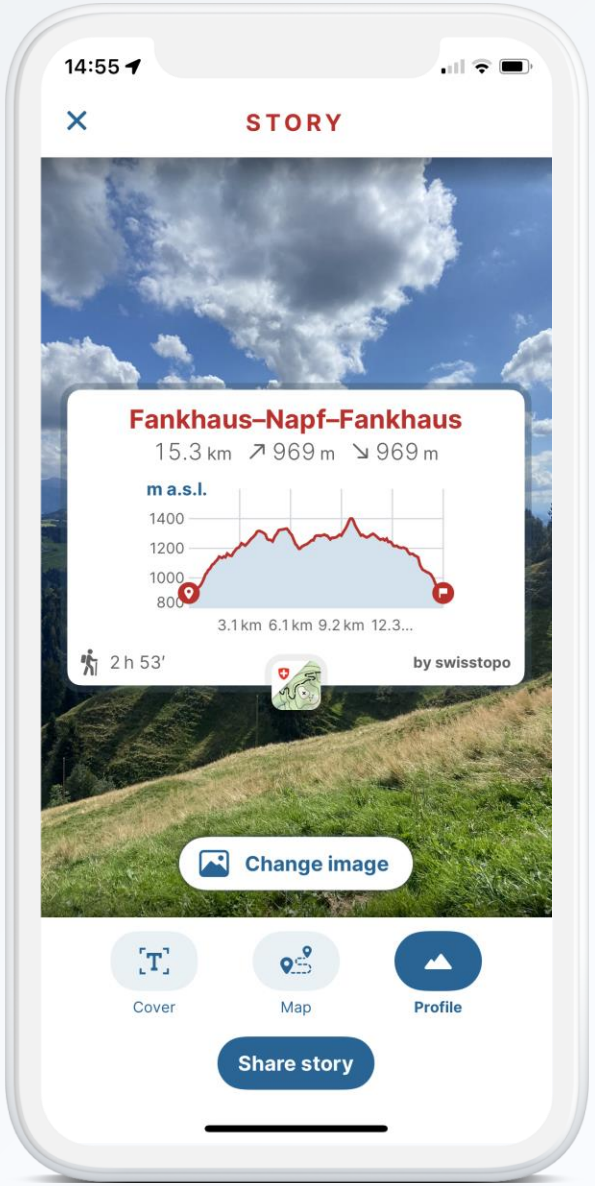
After
Sharing
Smart Stories



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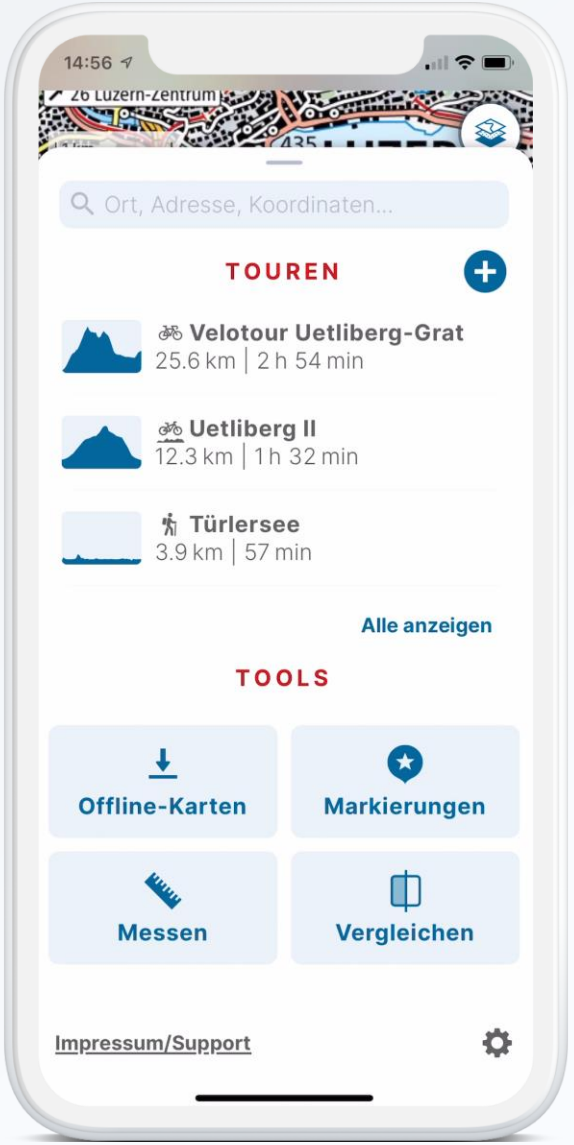
Other Compare



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Open Swiss Maps SDK

swisstopo.admin.ch
openmobilemaps.io

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Challenges

Focus on UX und Design

Many functions, but still very easy to use for the less experienced user. Claims to work without explanations.

Challenge

Relatively high technical complexity (interfaces, data updating, etc.); reconciling many different user needs

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Outlook

October 2022 (Release 1.8)
Imagery Base Map (vector map)
Tour and POI management

December 2022 (Release 1.9)
New layer: Snow depths
Improved planning of snow sports tours

TBD
Expansion AR/VR

Thank you

Dr. Olive Wetter
Project portfolio & project manager
wetter@ubique.ch

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