Workshop #3

Swisscom Case powered by localcities.ch
20.00 - 20.35 & 20.45 - 21.20, Room Newton 1010 1st floor

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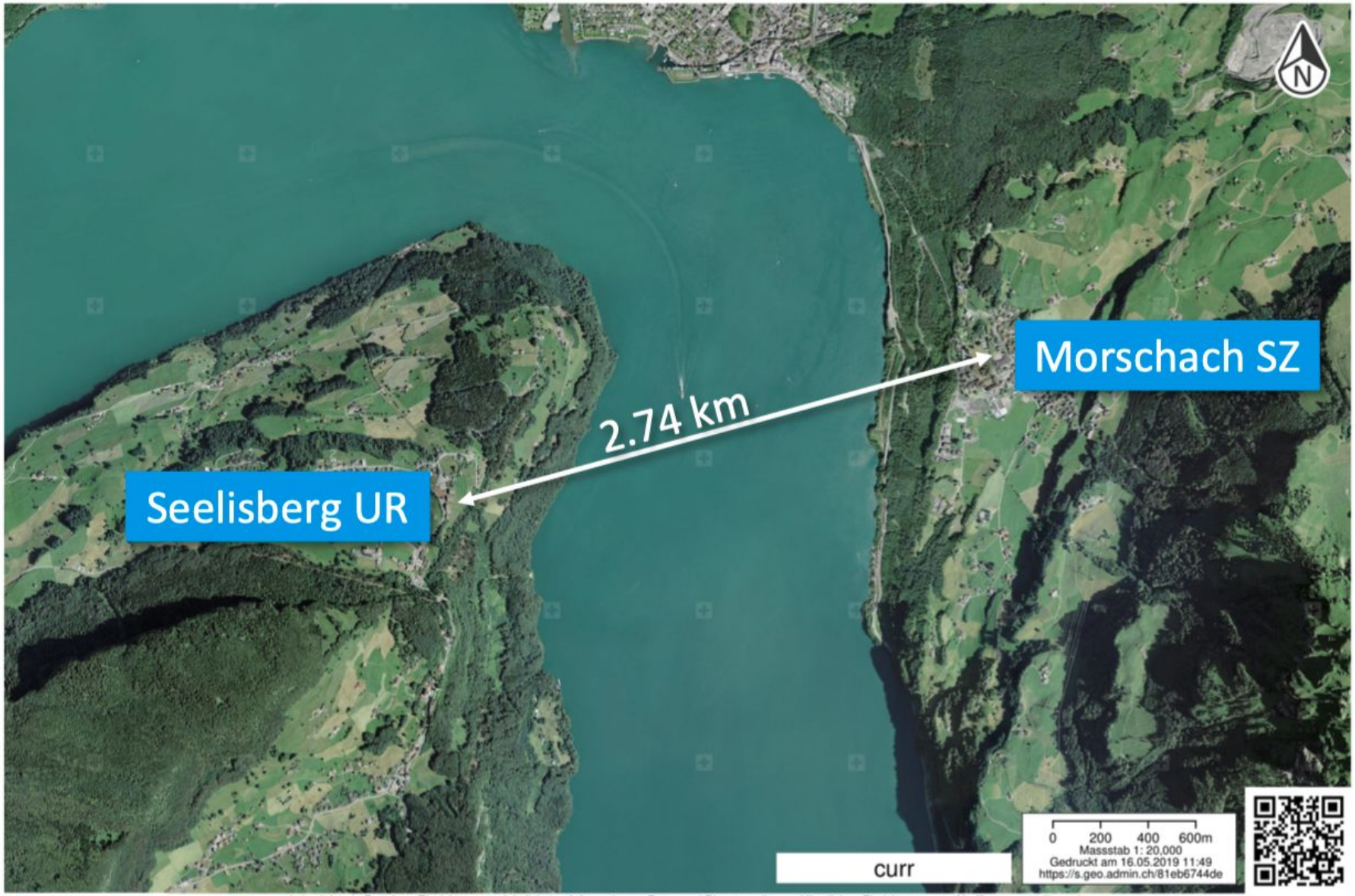
Pain Point: “Flight Delayed”

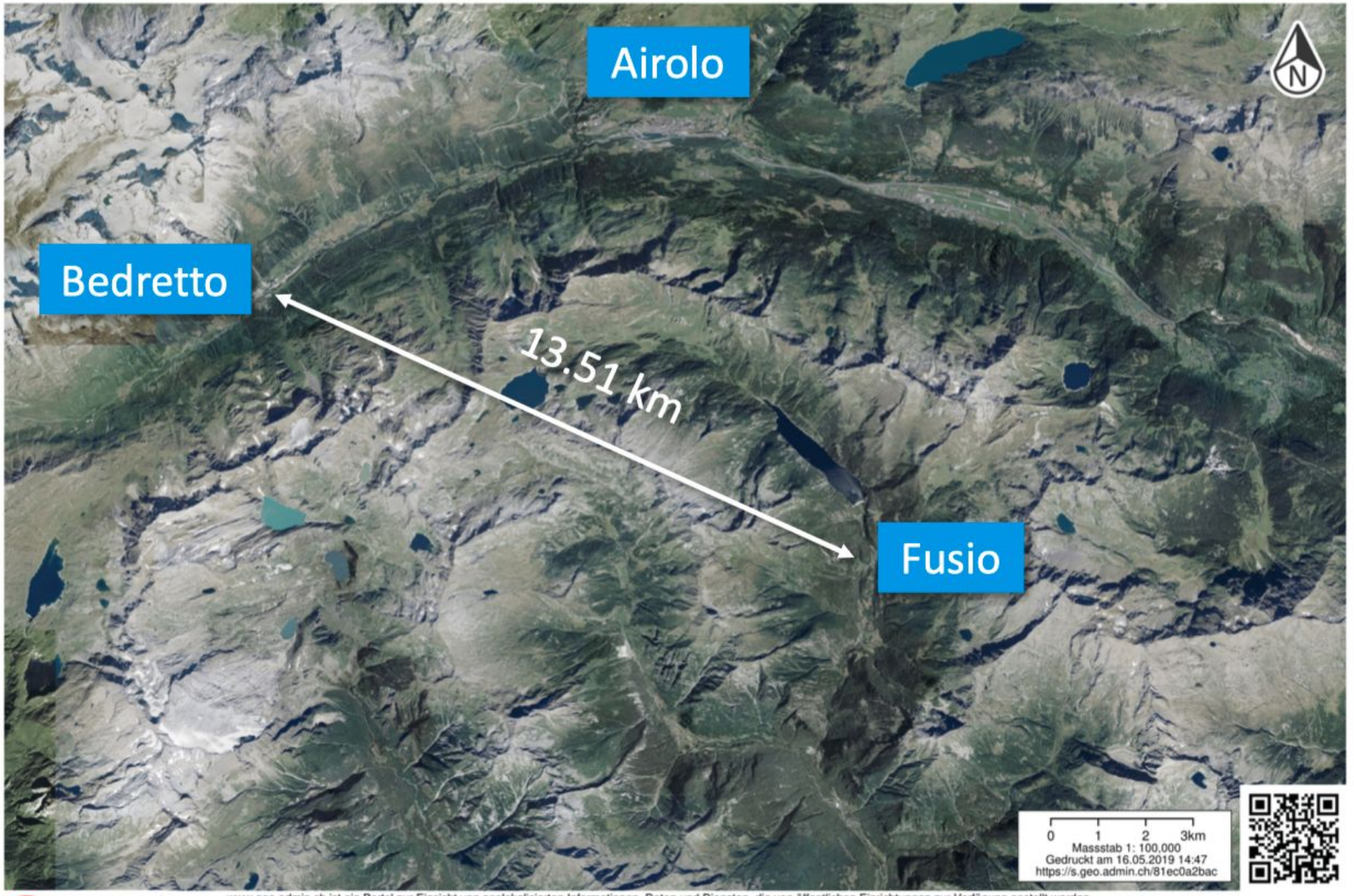
You are just about to leave downtown Zurich to catch your flight at 1 PM and all of a sudden you get a text message telling you your flight is delayed until 6 PM.

Now what?


Schaffhausen
Basel
Liestal
Frauenfeld
St. Gallen
Zürich
Aarau
Delémont
Herisau
Appenzell
Solothurn
Zug
Schwyz
Luzern
Glarus
Neuchâtel
BERN
Sarnen
Stans
Altdorf
Chur
Fribourg
Lausanne
Sion
Bellinzona
Genève
0 10 20 30 40 50 60 70 80 90 100 km



Google Maps Seelisberg nach Morschach, 6443 Mit dem Auto 41,5 km, 42 Min.



Google Maps Bedretto nach 6696 Fusio

Mit dem Auto 131 km, 2 Std. 4 Min.

Bilder © 2019 Google,DigitalGlobe,CNES / Airbus,DigitalGlobe,Kartendaten © 2019 Google 5 km

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LOCAL CITIES


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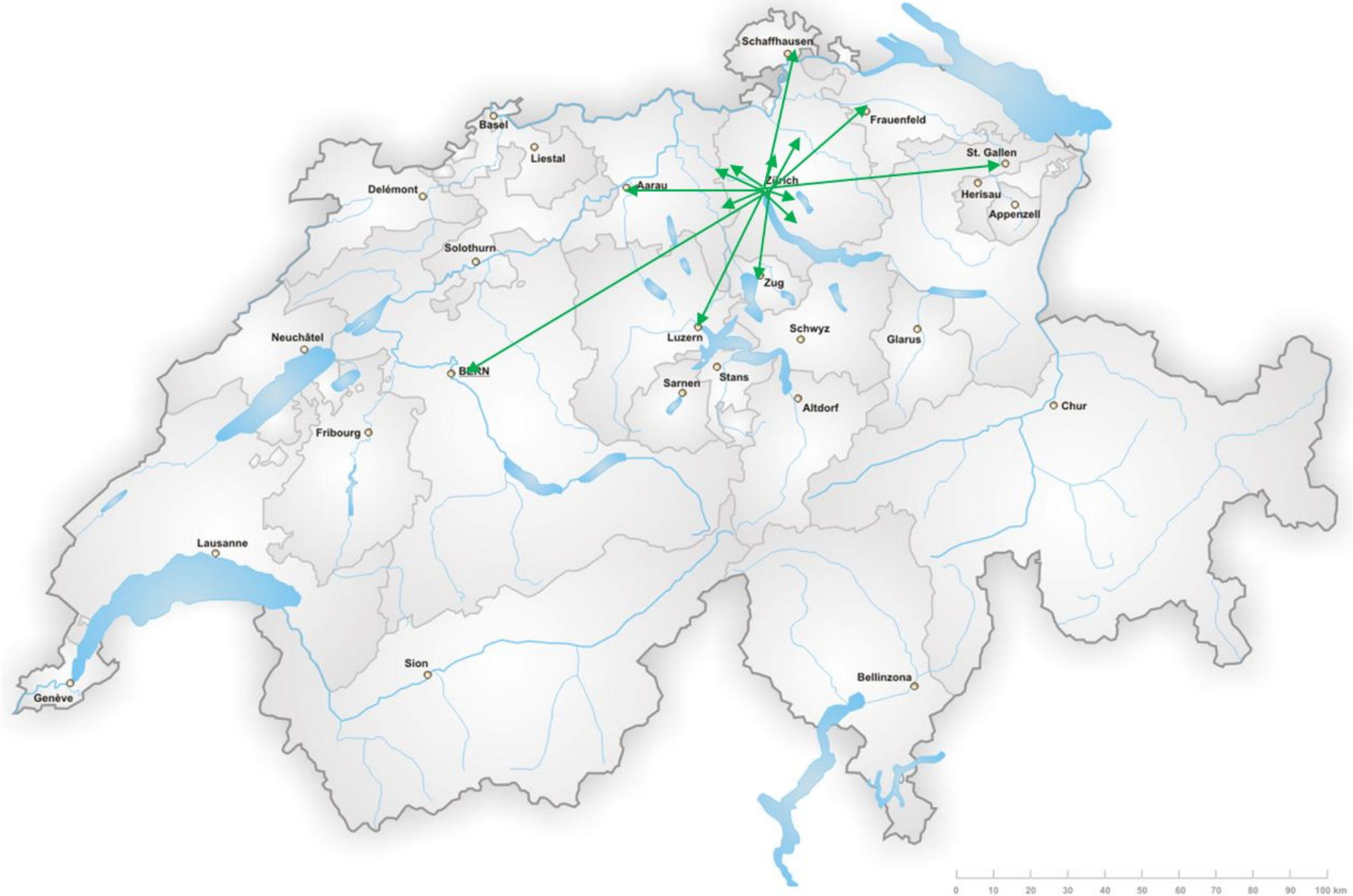
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Genève
0 10 20 30 40 50 60 70 80 90 100 km

User Story: Delayed Flight

As

a traveller who’s flight got delayed,

I want

to get options for attractions based on preferences XYZ within my time restriction,

so that

I make sure my time is well spent.

Pain Point: Overnight Stay

Imagine, your flight got delayed not just for a couple of hours, but overnight:

It was supposed to depart at 1 PM from Zurich and has been moved to 10 PM the next day.

Now what?

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User Story: Overnight Stay

As

a traveller who’s flight got delayed overnight,

I want

to get options for **hotels, attractions, meeting points and work environments** based on preferences XYZ within my time restriction,

so that

I make sure my time is well spent.

Other Use Cases

- Feel free to
    - modify the presented user stories
    - create and follow your own use cases

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Other Use Cases

- **Event Seeker**
  Find events (live concerts, theater plays, etc.) somewhere close but in line with my time restrictions.

- **Night out**
  Which movies can I watch tomorrow evening in the cinemas if I want to join a dancing club for Rock'n'Roll classes thereafter? Cinema and dancing club need to be in 20 minutes walking distance.

- **Multi-person Meetup**
  Find a location which is no farther away then 30 min. of travel time by public transport for each participant.

- **Relocation**
  Which suburbs are generally reachable within 20 min. from my office?

- **Contrary Case: Police**
  The authorities are chasing someone who was involved in a hit-and-run.
  How far could that person reach within the next 30 minutes by driving a car and which highway exits will the car potentially pass?

User Story: Event Seeker (Example)

As

an event seeker,

I want

to get itinerary options for consecutive events
based on preferences XYZ and my time restriction,

so that

I make sure my time in the area is spent well.

Suggested Static Data Sources

BFS Town Data

The Federal Statistical Office (BFS) provides official information covering the structure of Switzerland.

Data and documentation:

https://github.com/ymc/hackzurich19-ws3-swisscom

Checkout a **prepared set of geolocations** of all rural and urban conglomerations of Switzerland.

Guidle Events

Guidle is a popular and proven provider of event data in Switzerland.

Provided datasets contain basic information such as the exact **event location and date**. It is further enriched by **descriptive information, contact data and hierarchical categorization**.

Data and documentation:

https://github.com/ymc/hackzurich19-ws3-swisscom

Checkout a **prepared set of events** which will take place within the next two weeks.

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Suggested Dynamic Data - 6 APIs

API: search.ch

Utilize our Swiss Search Engine search.ch in order to explore

- **interactive maps**
- **weather information**
- **timetables**
- **phone directories**

Documentation:

https://api.search.ch

Unlimited access key will be provided per team.

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API: Google Maps Platform

Use any webservice of the well known Google Maps Platform such as:

- Directions API
- Distance Matrix API
- Geocoding API
- Maps Elevation API
- Places API
- Roads API
- etc.

Documentation:

https://developers.google.com/maps/documentation/

Limited access key will be provided per team.

API: TravelTime platform

The TravelTime platform is a search and analytics service that **makes maps searchable by travel time, not distance**. It maps travel time areas for common modes of transport such as

- drive time maps
- public transport commute maps
- walking time maps
- cycling maps and more.

Returned data includes various types of destinations within a specified travel time range.

The service can also be used to receive the **fastest available route**.

Documentation:

https://docs.traveltimeplatform.com/overview/introduction

Limited access key will be provided per team.

API: Transport Opendata CH

Browse **public transport timetable data of Switzerland** using this unofficial API.

Documentation:

https://transport.opendata.ch/docs.html

https://github.com/OpendataCH/Transport

Public access, no keys required.

API: OpenTripMap

OpenTripMap as a comprehensive service for **sightseeing and travel planning** allows you to retrieve distinctive object data from various data sources:

- More than 10 million tourist attractions and facilities around the globe
- OpenStreetMap
- Wikidata
- Wikipedia
- Ministry of Culture / Ministry of Natural Resources (Russian Federation)

Documentation:

https://dev.opentripmap.com/

Unlimited access key will be provided per team.

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API: Sygic Travel

Discover places and journeys with Sygic Travel:

- More than 24 million POIs around the world
- Tour & trip **itinerary templates** for popular destinations:
  - Suggested places to visit
  - Recommended order of visiting

Documentation:

http://docs.sygictravelapi.com/1.0/

Limited access key will be provided per team.

Data and APIs

Data

BFS Town Data

https://github.com/ymc/hackzurich19-ws3-swisscom

Guidle Events

https://github.com/ymc/hackzurich19-ws3-swisscom

APIs

search.ch

https://api.search.ch/

Google Maps Platform

https://developers.google.com/maps/documentation/?hl=en

TravelTime platform

https://docs.traveltimeplatform.com/overview/introduction

Transport Opendata CH

https://transport.opendata.ch/docs.html

OpenTripMap

https://dev.opentripmap.com/#

Sygic Travel

http://docs.sygictravelapi.com/1.0/

AppCloud

Our cloud platform based on Cloud Foundry – free for **all** HackZurich participants!

Fast lane for your Applications

Services scaled for your needs

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hackzurich.swisscom.com

1. Sign up

Create your free AppCloud space using the link above

2. Invite

Invite colleagues to your space to work together

3. Explore

Get started with our quickstart tutorials

4. Deploy

Run and scale your applications with ease

Features & Docs:
developer.swisscom.com

Support:
Slack #technical &
Swisscom Booth

Reminder & Conditions

- **Focus:** Spend your time well by judging the combination of travel times and search results realistically.
- **Goal:** Running software, MVP.
- Connect arbitrary data sources that you are eager to explore.
- Tech stack and presentation is up to you.
- Submission deadline is **Sunday, Sep 29, 09.00**
  - Teams who miss this deadline will not be evaluated.
  - https://digitalfestival.ch/en/HACK/faq
- Pitches at Swisscom booth, Sunday, Sep 29, 09.30 - 11.30

Workcase Support

- Questions regarding Swisscom App Cloud
  - Who?
    - Roman Ackermann and Roman Bachmann
  - How to get in touch?
    - Slack channel **#technical**
    - Swisscom booth

- Other questions regarding this workcase
  - Who?
    - Frederik Gügi
    - Thomas Ummenhofer
    - Simon Wippich
  - How to get in touch?
    - Slack channel **#ws3_swisscom**
    - Swisscom booth

// SPEND YOUR TIME WELL!

Join Workshop #3