geOps

SPATIAL WEB

Schlaglichter der Nutzung freier Geodaten

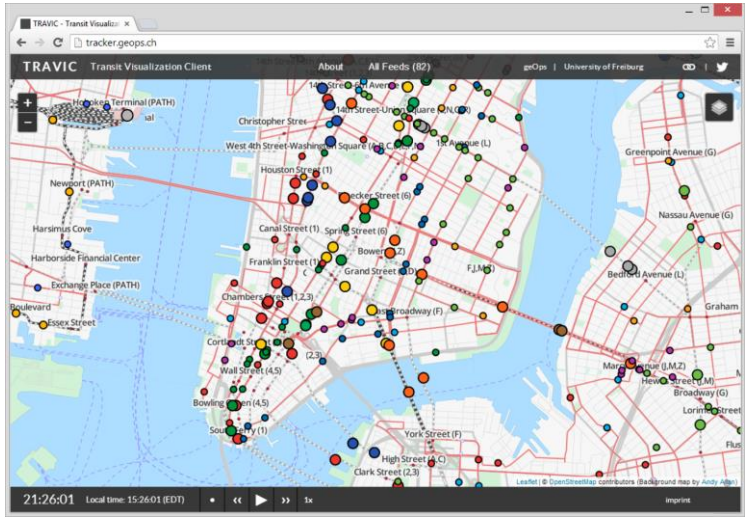
Geschlossen

Offen

Ganz offen

TRAVIC
Referenzen geOps

TRAVIC

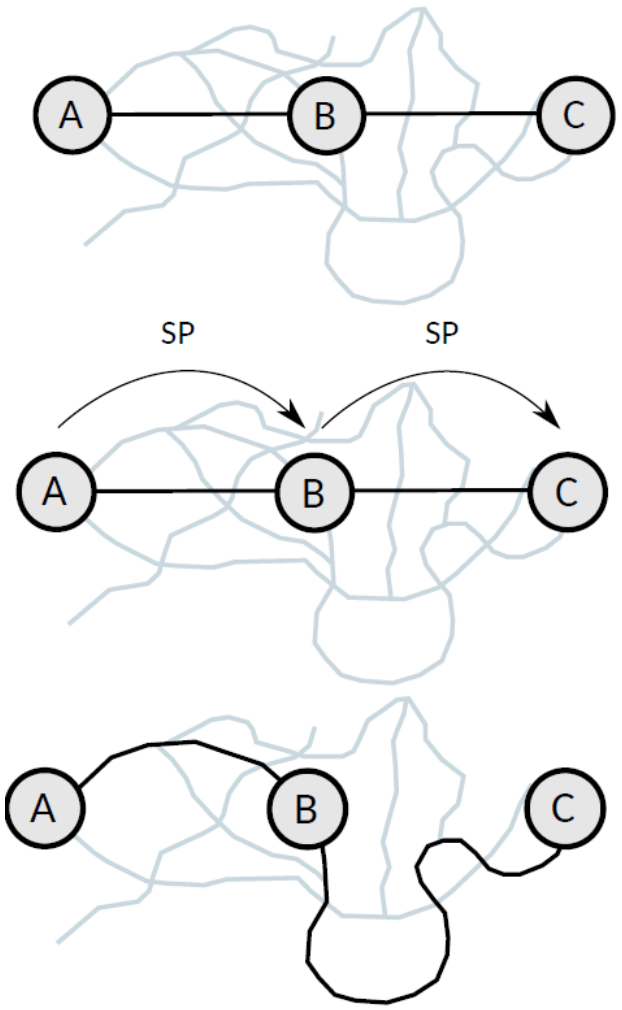


tracker.geops.ch

Weltweiter öV-Tracker TRAVIC

- Hochperformante Darstellung grosser Mengen an Fahrplandaten
- Derzeit 268 Verkehrsunternehmen weltweit integriert
- Integration von Echtzeitdaten möglich (Beispiel Niederlande)
- Mapping exakter Routenverläufe
- Clients für LeafLet und OpenLayers3
- Publikation in internationalen Portalen wie wired.com oder golem.de sowie den Schweizer Medien wie 20min und Sonntagszeitung
- 500‘000 Besucher im Mai 2015

Routenfindung in öV-Netzen



Ausgang ist der Fahrplan mit Stationsgeometrien als Korrelationseinstieg und das „flache“ Liniennetz

Iterativer Shortest-Path-Algorithmus zwischen aufeinanderfolgenden Stationen - „fahrtweglokal“

Gefundener Pfad wird Teil der Fahrtgeometrie bzw. Fahrt wird in Kanten des Pfades eingetragen

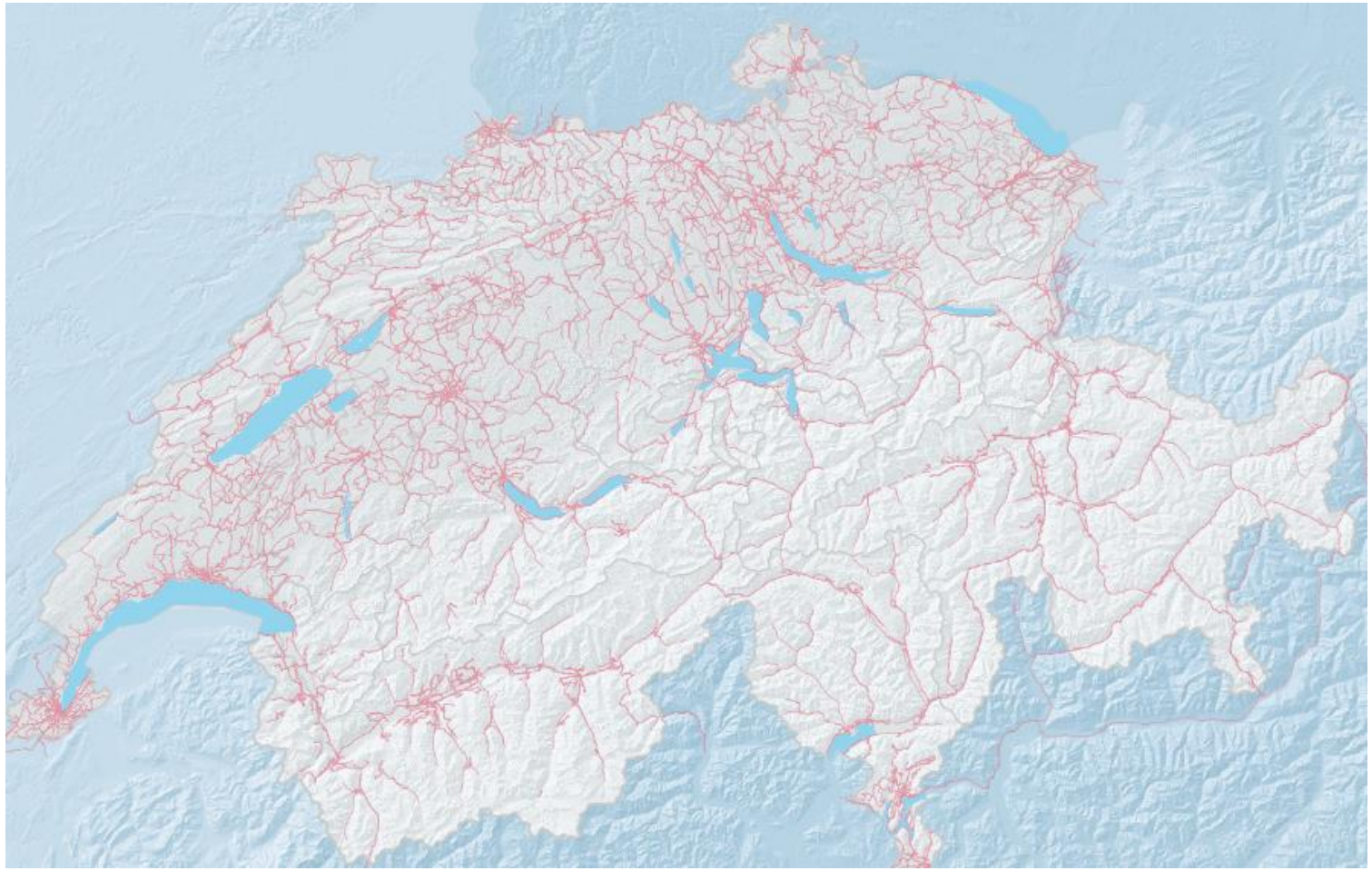
Der kürzeste Weg ist nicht immer der korrekte Weg durch das Netz

Nutzung von Heuristiken, die über die Dijkstra-Kostenfunktion die Routenfindung beeinflussen

Heuristiken müssen fahrzeugtypabhängig sein

Ergebnisse sind nur so gut wie die Ausgangsdaten

Busnetz der Schweiz



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geOps - -GTFS Feed

gtfs.geops.ch

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GTFS-CH

Public Transporation Feed for Switzerland

We provide regularly updated GTFS feeds containing public transit data of Switzerland. The feeds are based on the official Swiss schedule that is being published in the HAFAS format. We download and convert the data each week shortly after publication on www.fahrplanfelder.ch and convert them to GTFS. So you will find new data every Tuesday (only in case of a holiday publication of the original data as well as that of the GTFS feeds may be postponed).

The version of the feed offered here does not contain every bit of information present in the original data. However it has everything needed to find the complete set of valid connections between two destinations for a given date and time. We are in steady contact with the Swiss railway association SBB in order to assure data quality and make improvements where necessary. However we cannot be hold liable for the correctness of the data. We also reserve the right to modify or discontinue this service at any time.

If you need GTFS feeds with additional details extracted from HAFAS or with value added from geodata, as it is used e.g. in our worldwide tracker TRAVIC, please check our services here.

Terms and conditions of use

When using this data you have to follow the terms and conditions of use that apply to the original data from www.fahrplanfelder.ch. In particular, you have to ensure that no preparation of the data and no analysis based upon it conveys a false or overly simplified impression when compared to the raw data. In case of publication, you have to make sure that the data is updated regularly in an appropriate manner.

Read the documentation »

Get the feeds! »

Available Feeds

We provide several subsets of the feed (filtered by method of transportation) as well as a complete feed for Swiss Transit.

Trains

Contains all trains in switzerland.

agency.txt	All agencies serving trains
calendar_dates.txt	Serving dates for certain trips
calendar.txt	Serving date spans for certain trips
frequencies.txt	Frequencies for periodic trips

Trams

Contains all streetcars in switzerland.

agency.txt	All agencies serving trams
calendar_dates.txt	Serving dates for certain trips
calendar.txt	Serving date spans for certain trips
frequencies.txt	Frequencies for periodic trips

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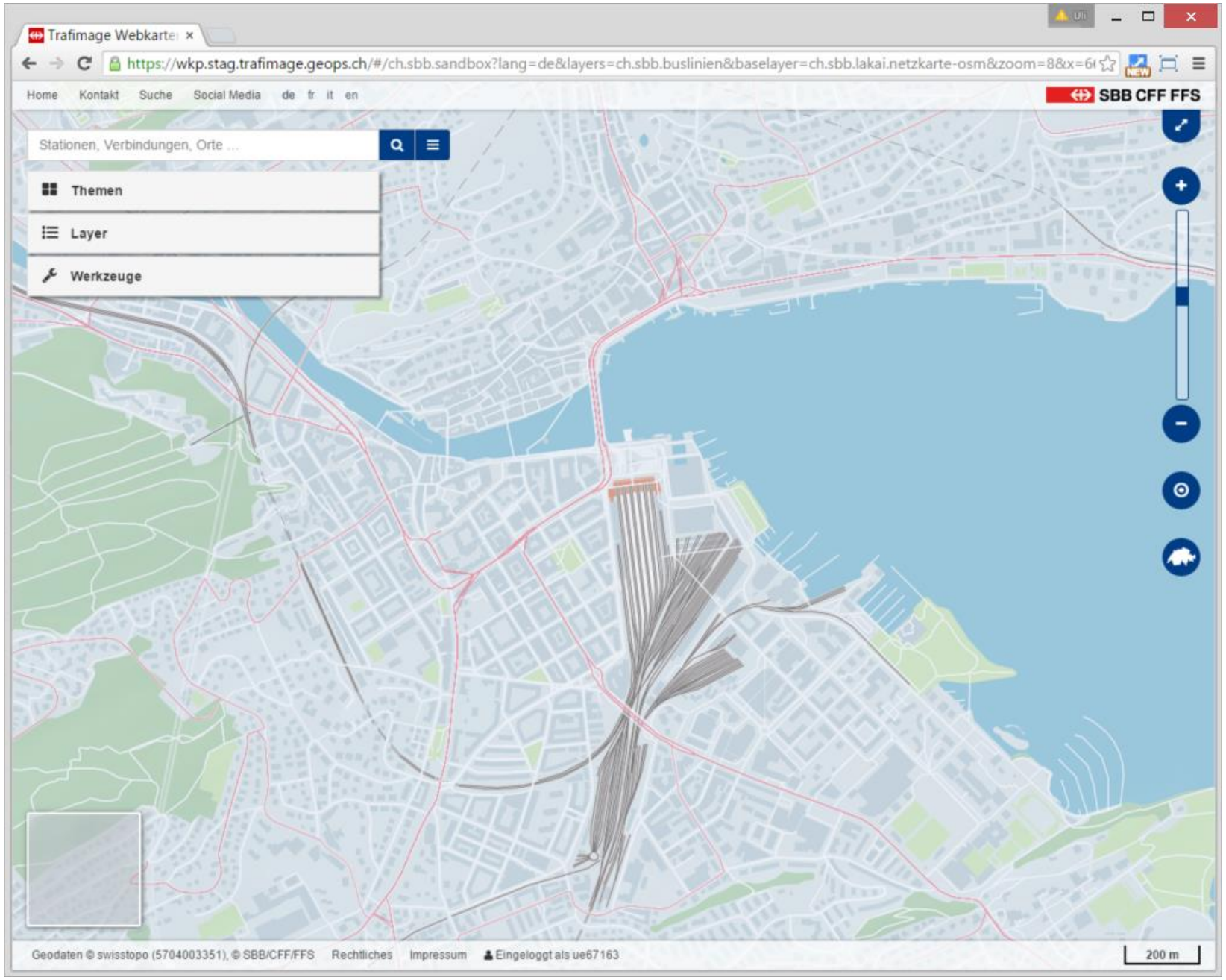
Trafimage Webkarte
https://wkp.stag.trafimage.geops.ch/#/ch.sbb.sandbox?lang=de&layers=ch.sbb.buslinien&baselayer=ch.sbb.lakai.netzkarte-osm&zoom=8&x=6
Home
Kontakt
Suche
Social Media
de fr it en
SBB CFF FFS
Stationen, Verbindungen, Orte ...
Themen
Layer
Werkzeuge
Geodaten © swisstopo (5704003351), © SBB/CFF/FFS
Rechtliches
Impressum
Eingeloggt als ue67163
200 m

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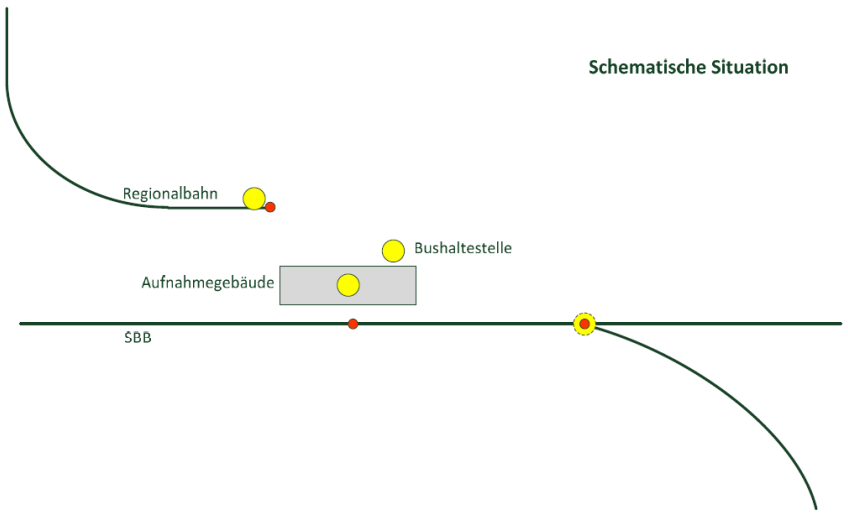
Detailliert



Dienststelle

Netzknoten

Dienststelle

Haltekante

Quelle: Modelldokumentation Haltestellen des öffentlichen Verkehrs (GeoIV-ID 98), BAV, Entwurf, 2013

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„Fehlerfrei“

Roman Prokofyev @rprokofyev · Sep 14
@geOps latest Swiss GTFS data: Bern, Eigerplatz (8571393) and Bern, Morillon (8590101) have exactly the same lat/lon. Probably some bug.

10:50 PM - 14 Sep 2015 · Details

Reply to @rprokofyev

geOps @geOps · Sep 15
@rprokofyev This is a bug in base data from fahrplanfelder.ch. Will hopefully be fixed next Monday.

geOps @geOps · Sep 15
@rprokofyev The DIDOK list has the same bug bav.admin.ch/dokumentation/… but not SBB fahrplan.sbb.ch How come?

1

Roman Prokofyev @rprokofyev · Sep 16
@geOps ok, I hope too! Thanks for looking into it!

Grenzenlos

Conflans-s.-L.
Amance
Faverney
Luxeuil-les-Bains
Faucogney-la-Mer
Ballon d'Alsace
1247
Mélisey
Masevaux
Thann
Cernay
Wittenheim
Illzach
Wittelsheim
Giromagny
Guewenheim
Rixheim
Riedisheim
Mulhouse
Port-s.-S.
Saulx
Lure
Champagney
Ronchamp
Scey-s.-S.
Dannemarie
Bartenheim
Altkirch
St-Louis
Belfort
Vesoul
Villersexel
Saulnot
Héricourt
Seppois-le-Bas
Basel
ICE
Riehen
Reinach
Muttenz
Liestal
Montbéliard
Delle
Boncourt
Ferrette
Audincourt
Bonfol
Rodersdorf
Frétigney-Velloreille
Montbozon
L'Isle-sur-le-Doubs
Valentigney
Porrentruy
Oiselay-et-Grachaux
Rioz
L'Ognon
Pont-de-Roide
Laufen
St-Ursanne
Cleval
Müllheim
Belchen
1414
Todtnau
St. Blasien
Schönau i.S.
Kandern
Zell im Wiesental
Schopfheim
Lörrach
Wehr
Waldshut
Rhein
Bad Säckingen
Rheinfelden
Laufenburg
Aare
Frick
Brugg
Kienberg
Sissach
Oberdorf
Hauenstein
Aarau
Olten
Birr

Einfach

Besten Dank!

uli.mueller@geops.ch

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