

# First quality check on some National Access Points (NAPs)

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Anne Wegmann, David Rudi, Matthias Günter,  
Markus Meier  
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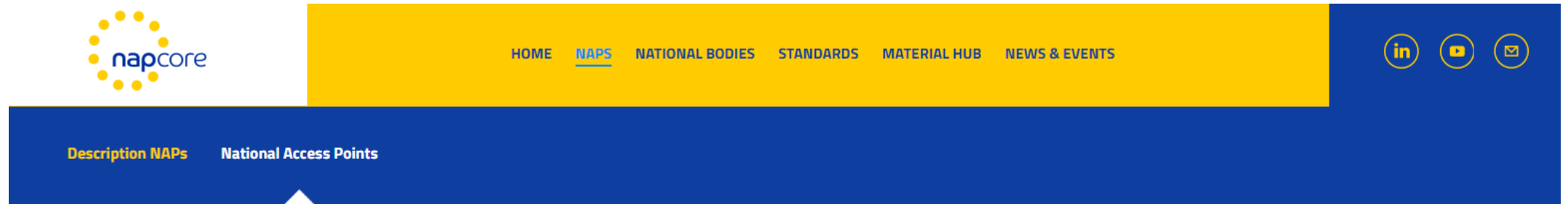
**Systemaufgaben Kundeninformation+**

[opendata@sbb.ch](mailto:opendata@sbb.ch)

<https://opentransportdata.swiss/>

# What is a NAP?

# Overview



Moving towards a Single European Transport Area requires a digital layer interlinking all of the elements of transport.

**Building up this Digital Architecture involves open and common standards and interfaces and an efficient, but secure data ecosystem**

This is why Member States have set, or are in the process of setting up their National Access Points (NAP) to facilitate access, easily exchange and reuse of transport related data, in order to help support the provision of EU-wide interoperable travel and traffic services to end users.

As such, NAP's can be referred as the backbone of European Mobility Data Exchange. The following list of European NAPs aims to facilitate the search among the several Member States.

# The comparison

# Legal base

EU Delegierten Verordnung EU 2017/1926 (amendment 2023/8105) ([https://transport.ec.europa.eu/system/files/2023-11/C\\_2023\\_8105.pdf](https://transport.ec.europa.eu/system/files/2023-11/C_2023_8105.pdf))

Type	Examples	Relevant aspects
Scheduled transport	Air, rail including high speed rail, conventional rail, light rail, cableways, longdistance coach, maritime including ferry, inland waterways, metro, tram, bus, trolleybus.	timetable base offers, mass transport
Transport on demand	Shuttle bus, shuttle ferry, dial-a-ride services, taxi, car-sharing, car-pooling, car-hire, ride-sharing, bike-sharing, bike-hire, bike-rental, e-scooter sharing.	ordering the offer, mostly single user
Personal transport	Car, motorcycle, bicycle, scooter, walking.	vehicle is owned by user and directly available

We focused on timetables first

# Procedure

We used the following criteria to assess the NAP. We tried to access all data individually, but in some cases refrained due to the significantly fragmented data.

- **Accessible:**
  - Data and content of NAP is accessible in one place, e.g., no redirect to access data.
- **Open:**
  - Data can be access without registration to website
  - Data can be accessed without requesting access to specific data set
- **Consolidated:**
  - National data includes data from all of the country and is not fragmented by region
  - Data is not fragmented per transport operator (TO)
  - Data is not fragmented by mode of transportation (bus data vs train data vs ... )
- **Standardized:**
  - Data is available as NeTEx
  - Data is available as GTFS
- **Complete:**
  - Data that can exist in both standards, exists in both standards
  - Data is complete, i.e., all TOs, all modes of transportation, etc.
  - No empty fields
- **Correct:**
  - Data is correct in the sense that it is correctly formatted

# Preliminary results (for classical public transport timetables)

Quality	Country	Reasons for the (negative) quality assessment
	<b>Austria</b> <a href="https://mobilitydata.gv.at/">https://mobilitydata.gv.at/</a>	<ul style="list-style-type: none"> <li>• Data on <b>different website</b> than content</li> <li>• Data <b>not open</b> (registration to access data)</li> <li>• Data <b>fragmented</b> (9 different regions with overlapping data)</li> </ul>
	<b>France</b> <a href="https://transport.data.gouv.fr/">https://transport.data.gouv.fr/</a>	<ul style="list-style-type: none"> <li>• Data <b>greatly fragmented</b> (per region, per TO, per mode of transportation)</li> <li>• Data <b>not both in GTFS and NeTEx</b></li> </ul>
	<b>Germany</b> <a href="https://mobilithek.info/">https://mobilithek.info/</a>	<ul style="list-style-type: none"> <li>• Data on <b>different website</b> than content</li> <li>• Data <b>not open</b> (registration and data access request)</li> </ul>
	<b>Italy</b> <a href="https://www.cciss.it/web/cciss/">https://www.cciss.it/web/cciss/</a>	<ul style="list-style-type: none"> <li>• Data on <b>different website</b> than content</li> <li>• Data <b>severely fragmented</b> (per region, per TO, per level, per mode of transportation)</li> <li>• Data <b>only in NeTEx</b></li> </ul>
	<b>Slovenia</b> <a href="https://nap.si/en">https://nap.si/en</a>	<ul style="list-style-type: none"> <li>• Data <b>not open</b> (registration needed to access data, data access must be requested on a per-data basis)</li> <li>• Data <b>unevenly distributed</b> (different amount of data in GTFS and NeTEx)</li> </ul>
	<b>Switzerland</b> <a href="https://opentransportdata.swiss/">https://opentransportdata.swiss/</a>	

**Assessment criteria:** Is the data Accessible, Open, Consolidated, Standardized (GTFS, NeTEx), Complete, Correct?