

Open Data Hub: una piattaforma aperta per applicazioni e servizi di nuova generazione per l'utente finale



15.04.2019

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Nature of Innovation.

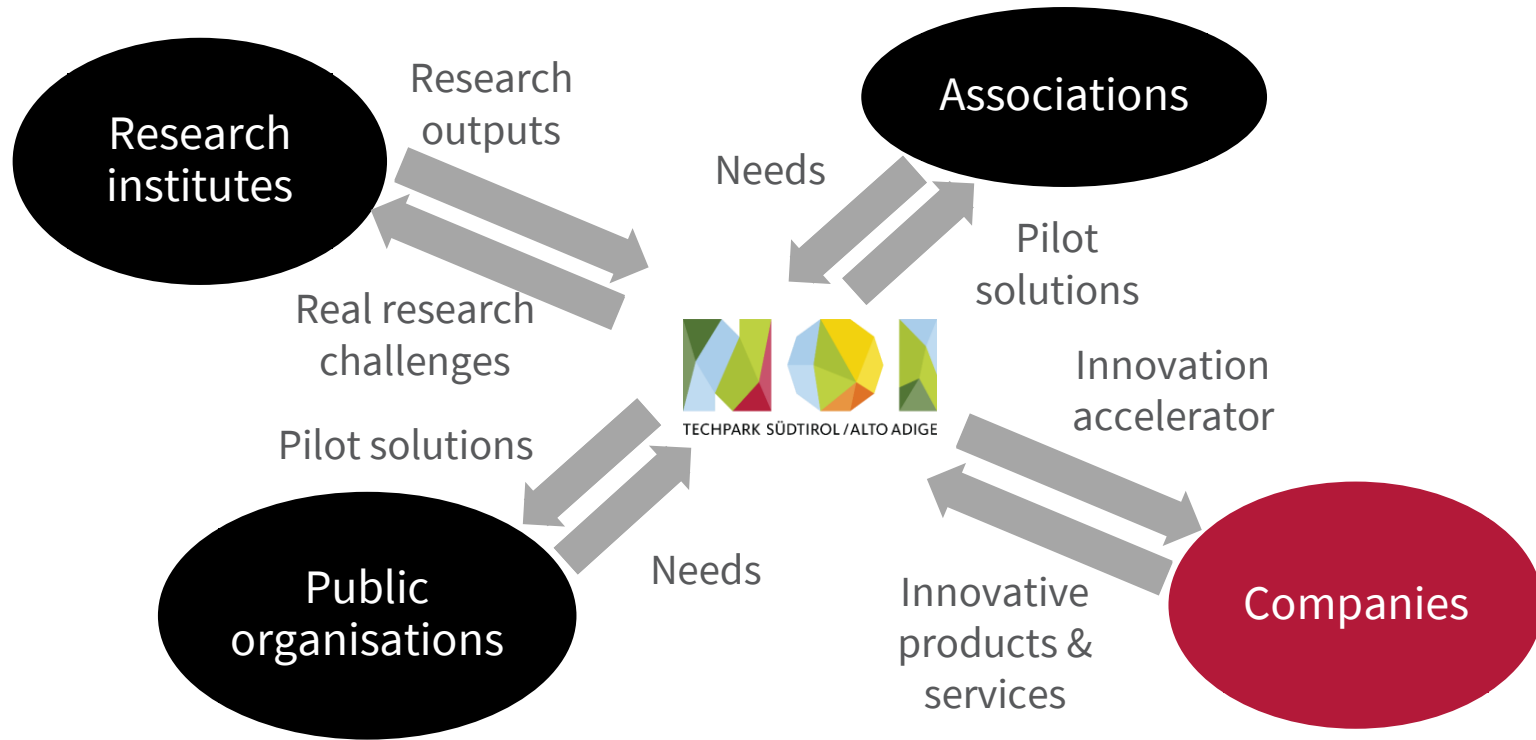
Agenda

- Why an Open Data Hub?
- Open Data Hub & E-Mobility

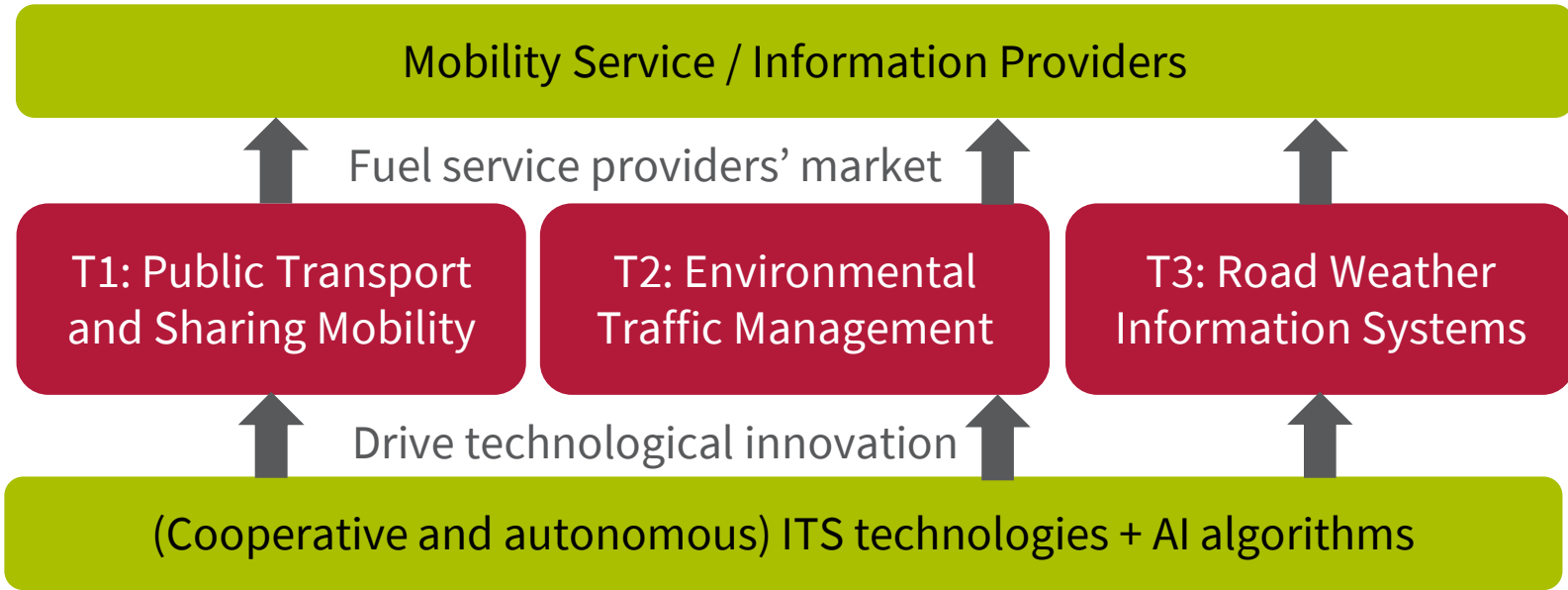
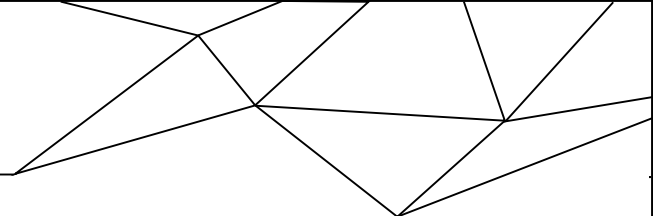


Why an Open Data Hub?

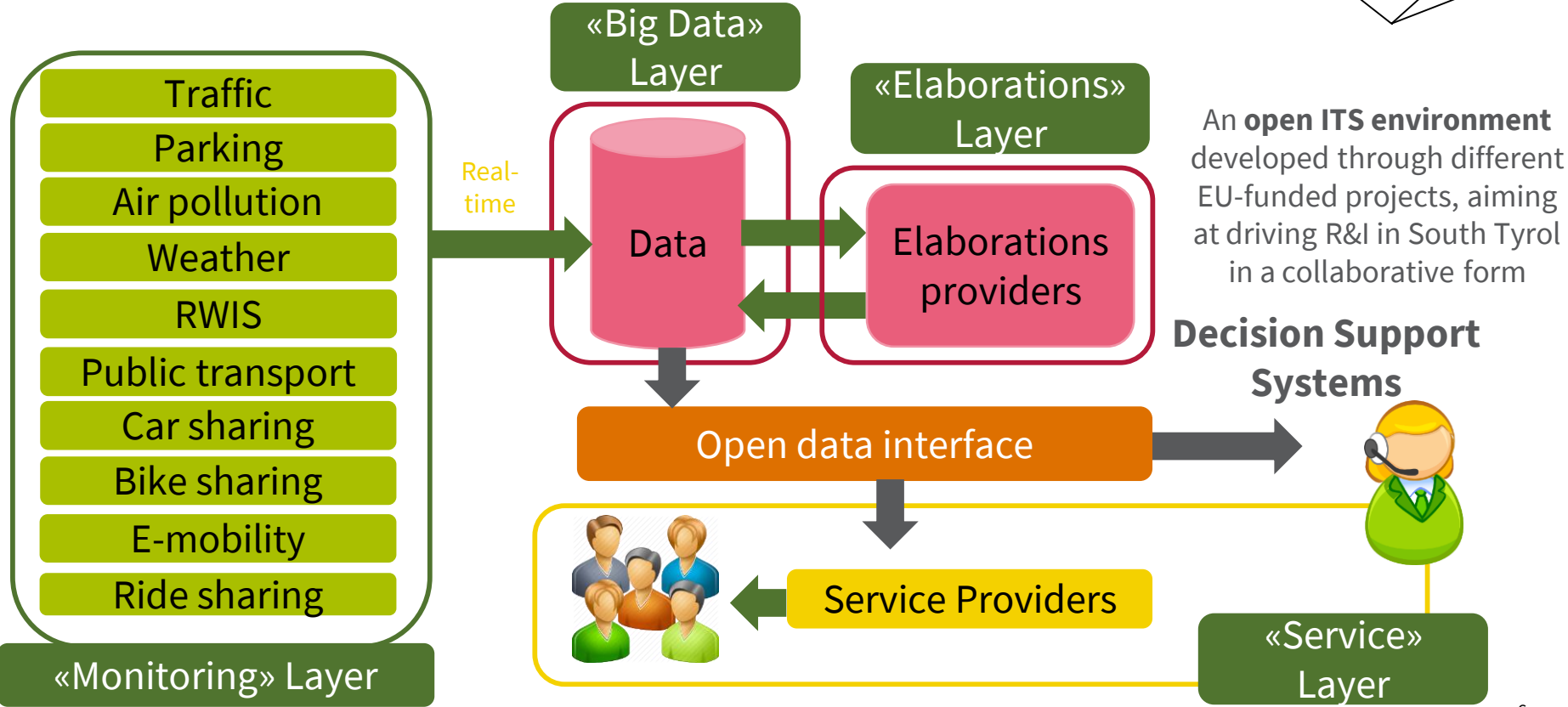
Why an Open Data Hub?



Why an Open Data Hub?



Why an Open Data Hub?



Why an Open Data Hub?

Merano real time BETA [Feedback](#)

EN

Route 221

| Next stops | Estimated |
|---|-----------|
| (Merano) Plankenstein - (Merano) Plankers | 13:01 |
| (Merano) Via S. Giorgio - (Merano) St. Ge | 13:03 |
| (Tirol) Bivio Tirolo - (Tirol) Abzw. T. | 13:05 |
| (Tirol) Monte S.Zeno - (Tirol) Zenoberg | 13:07 |
| (Tirol) Leiterhof - (Tirol) Leiterhof | 13:08 |
| (Tirol) Lido - (Tirol) Schwimmbad | 13:09 |

Map

map OpenStreetMap - About - Feedback

Why an Open Data Hub?

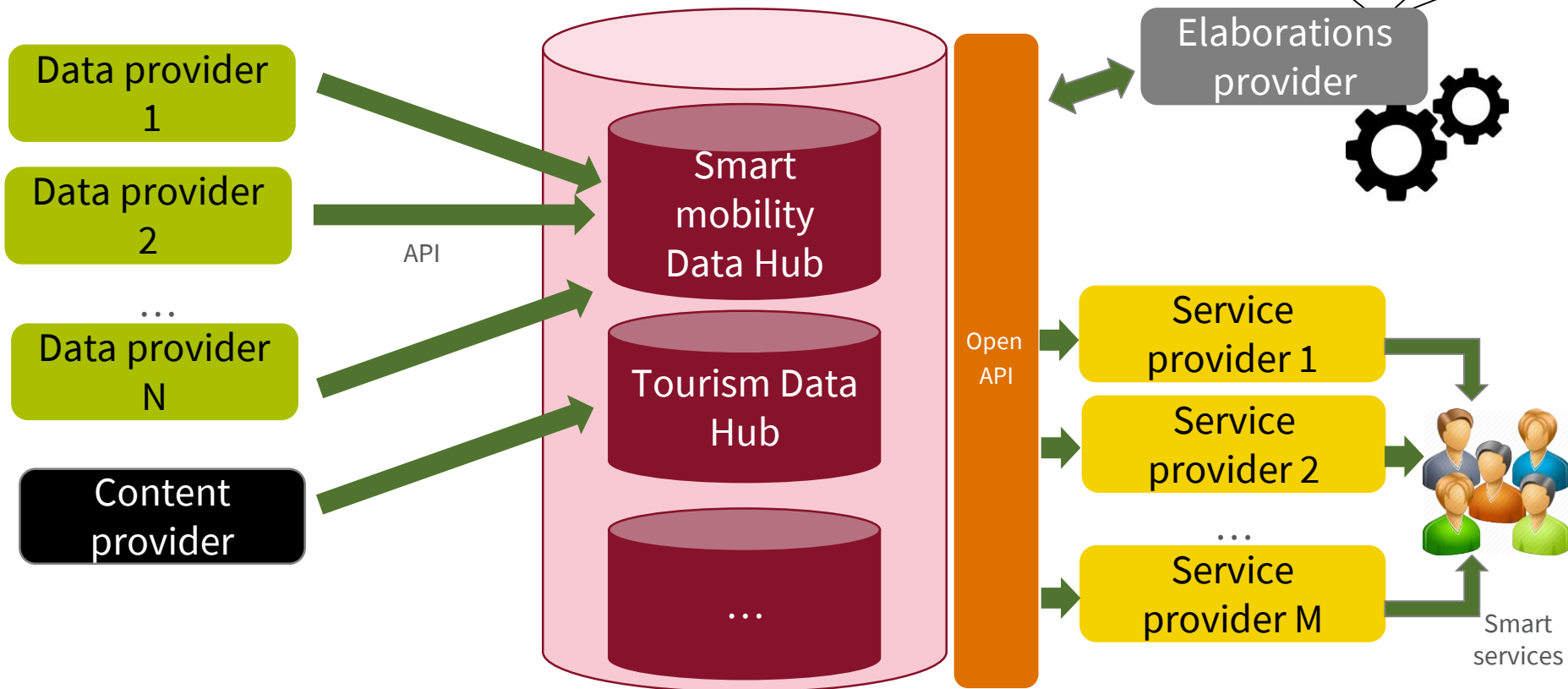
The screenshot displays the BZ Analytics Open Data Hub interface. On the left, a sidebar lists various data categories: Air Quality, Parking, Bluetooth, Traffic, Vehicular Travel Time, Road Weather, Car Sharing, Bike Sharing, and E-Mobility. The main area features a map of Merano, Italy, with several data points represented by icons. On the right, a detailed view of a specific data point, 'ME_PALADE', is shown. The data includes an ID, name, coordinates, municipality, capacity, provider, city, state, payment info, access type, and address. The data is public and was last updated on 14/01/2019 at 12:55:00.

BZ Analytics MAP OVERVIEW HEADLINE admin LOGOUT

ME_PALADE

| | |
|--|---|
| ID | AER_00000010 |
| NAME | ME_PALADE |
| LATITUDE | 46.656597 |
| LONGITUDE | 11.148606 |
| MUNICIPALITY | MERAN - MERANO |
| CAPACITY | 2 |
| PROVIDER | ALPERIA SMART MOBILITY |
| CITY | MERANO - MERAN |
| STATE | ACTIVE |
| PAYMENTINFO | HTTPS://WWW.ALPERIAEN MOBILITY/PUNTI-DI-RICARIC |
| ACCESSTYPE | PUBLIC |
| ADDRESS | VIA DELLE PALADE - GAMPENSTRASSE 111 |
| 2 NUMBER-AVAILABLE [600] (14/01/2019, 12:55:00) | |

Why an Open Data Hub?



Why an Open Data Hub?

According to a recent report by **Transport Systems Catapult (TSC)**, **Deloitte** and **Open Data Institute (ODI)** [1]:

- future innovation in transportation sector is hindered by the presence of **data silos** and a lack of access to **open data sources**;
- **by 2025**, the implementation of a «**mobility data hub**» in the UK can generate at least 3.000 more skilled jobs, reduce traffic congestion and ensure improved mobility with estimated impacts of:
 - **4 £ bn / year** for **reduced travel times**;
 - **1 £ bn / year** for **better air quality and reduced greenhouse emissions**;
 - **4 £ bn / year** for **increased road safety**.

As a consequence TSC has launched the «**Intelligent Mobility Data Hub**», which provides open data access to many mobility data sets shared not only by public authorities but also by private companies operating in this sector (e.g. fleet providers).

[1] Transport Systems Catapult: «The case for government involvement to incentivise data sharing in the UK intelligent mobility sector»; March 2017.

Why an Open Data Hub?

Issue: Legacy systems

Problems:

1. Most of the currently available data management systems are not thought, for historical reasons, to expose data to third parties.
2. The activation of an automatic interface is in most of the case a non-standard interface.
3. Data licensing is often a discussion and a process: datasets become more and more “open” during time.

Solutions:

1. Data is integrated in the Data Hub so to facilitate its exchange with 3rd parties and guarantee the requested performance.
2. In the Data Hub data is exposed with other similar datasets using unique standard interfaces.
3. It is a technological (and cultural) process: data providers are motivated to improve their systems and expose their data with agreed standard interfaces and according to data licences. The Data Hub can manage non-open data sets and limit its availability to a reduced number of trusted parties. This is the typical case of joint R&D in which new datasets are produced.

Example: Real-time parking data

Open Data Hub & E-Mobility



Open Data Hub & E-Mobility



Coordinator of the «Green Mobility» initiative in South Tyrol



E-Mobility Service Provider & Charge Point Operator



Charge Point Operator

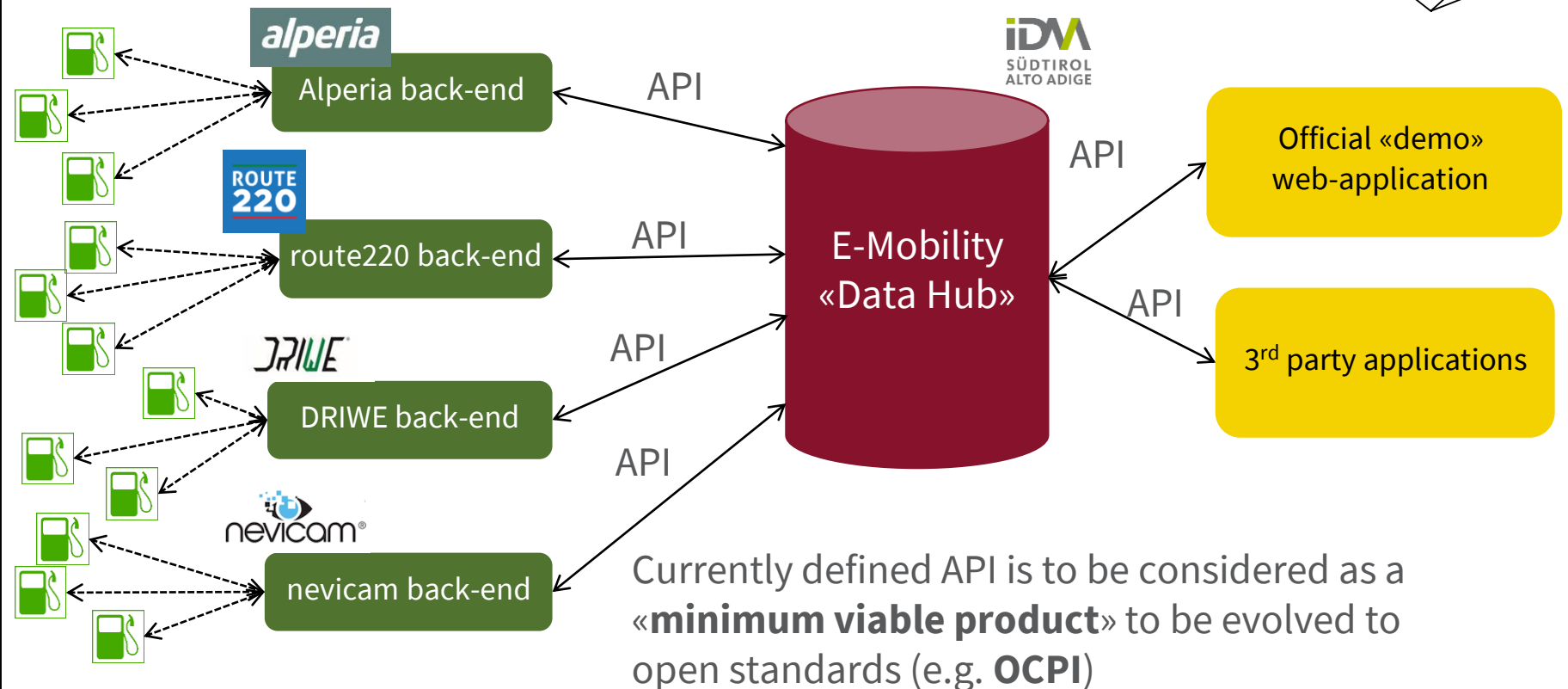


Charge Point Operator



Energy Provider, E-Mobility Service Provider & Charge Point Operator

Open Data Hub & E-Mobility

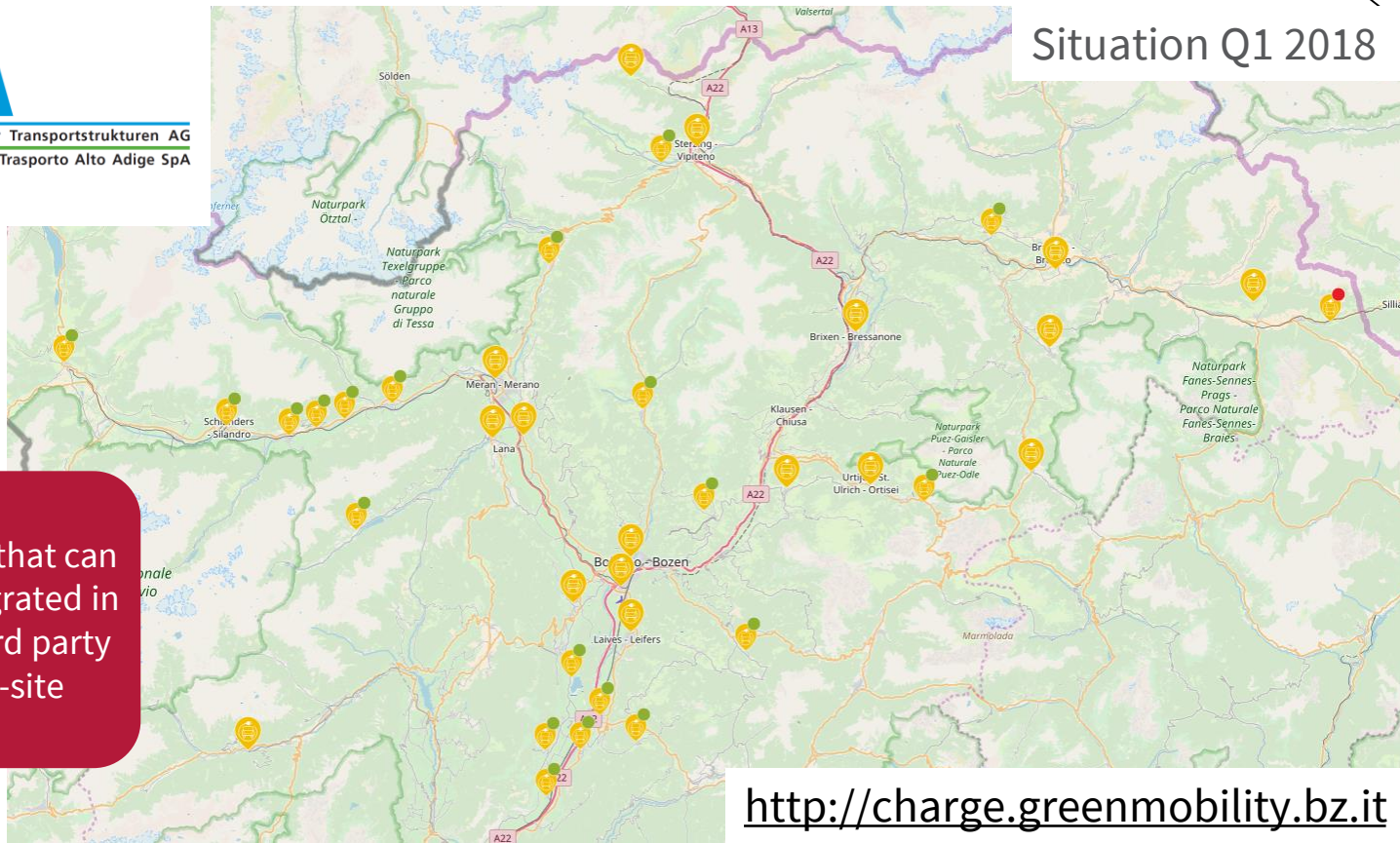


Open Data Hub & E-Mobility



Südtiroler Transportstrukturen AG
Strutture Trasporto Alto Adige SpA

Situation Q1 2018



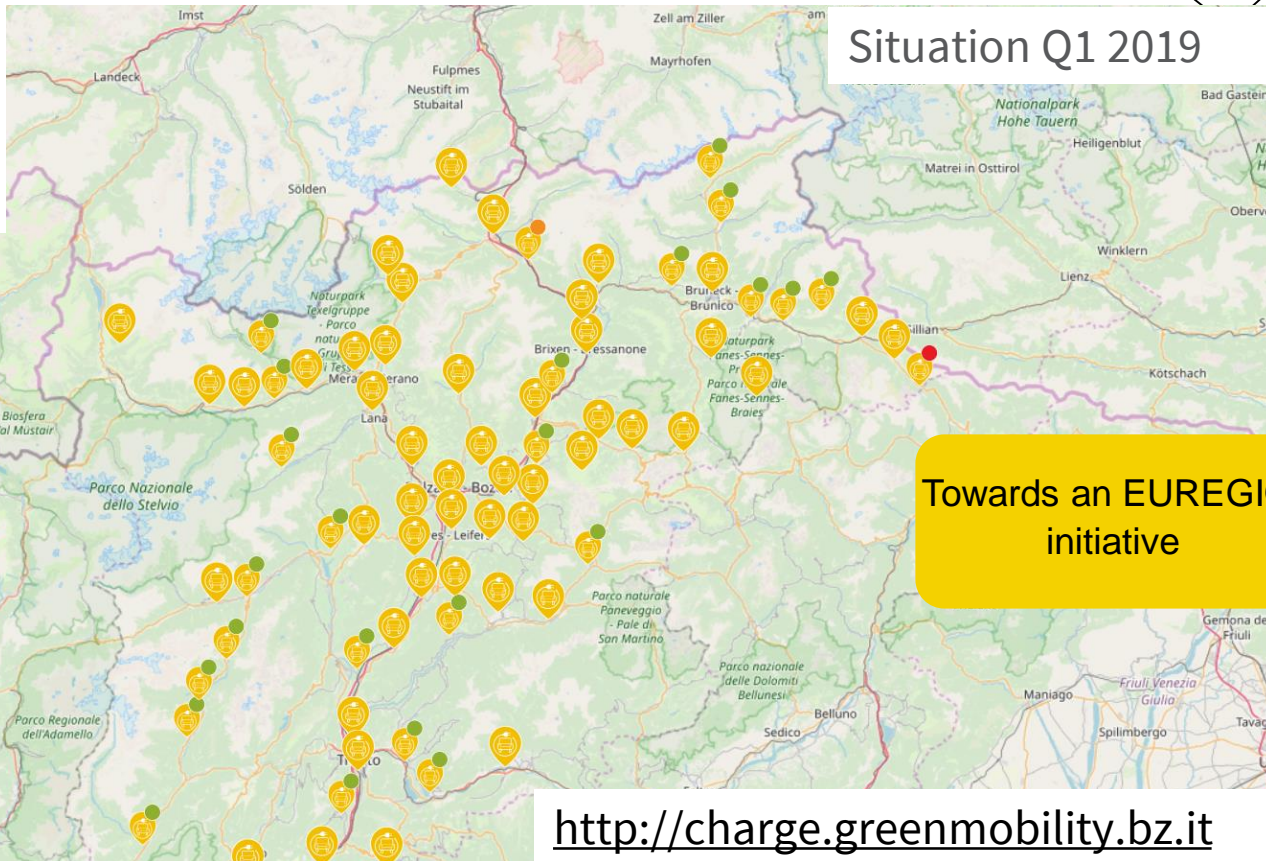
Widget that can be integrated in any third party web-site

<http://charge.greenmobility.bz.it>

Open Data Hub & E-Mobility



Südtiroler Transportstrukturen AG
Strutture Trasporto Alto Adige SpA



Situation Q1 2019

Widget that can be integrated in any third party web-site

Towards an EUREGIO initiative

<http://charge.greenmobility.bz.it>

Open Data Hub & E-Mobility

Search on GreenMobility

AVAILABLE PUBLIC

Type sockets:
- Type2Mennekes - 22 kW/h
Column 1 • * - 31 A

Type sockets:
- Type2Mennekes - 22 kW/h
Column 2 • * - 31 A

Payment
More informations →

Nelle vicinanze

Ottenkellerhof
Every day, we serve local food, cold and hot appetizers, soups, main dishes, tasty salads, excellent fish and meat specialties as well as delicious sandwiches and toast for a snack between meals. For a sweet finish, there is another different...
More informations →

Radstation Ottenkeller
More informations →

Release Q2 2019

GreenMobility

A22

SS241

Bolzano

Laives - Sifers

Widget that can be integrated in any third party web-site