

BEACON

SÜDTIROL · ALTO ADIGE

Michele Tais
michele.tais@provincia.bz.it

Autonomous Province of Bolzano
Department of Information Technologies

16-11-2018



AUTONOME
PROVINZ
BOZEN
SÜDTIROL



PROVINCIA
AUTONOMA
DI BOLZANO
ALTO ADIGE



Goals of the Project

- Creation of an open and free Beacon-Network → up to **3500 POI**
 - High precision localization, even indoor, in areas without GPS coverage

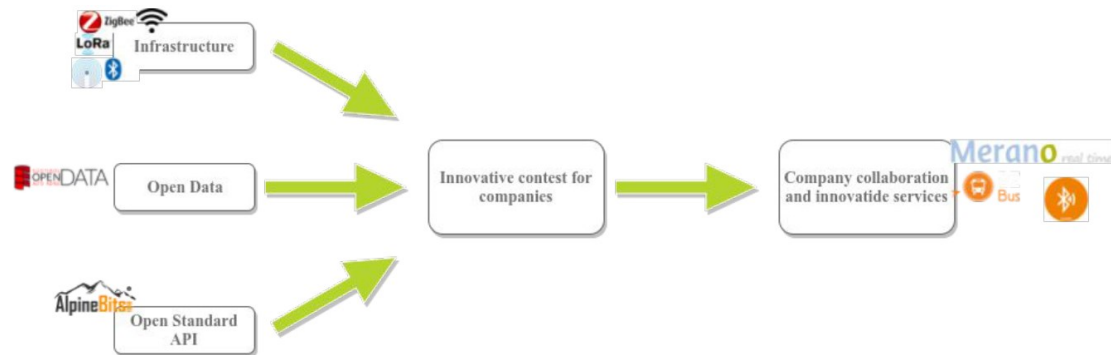


- Wireless Sensor Network
 - Creation of a testing platform
 - Open infrastructure for R&D of innovative products on the market

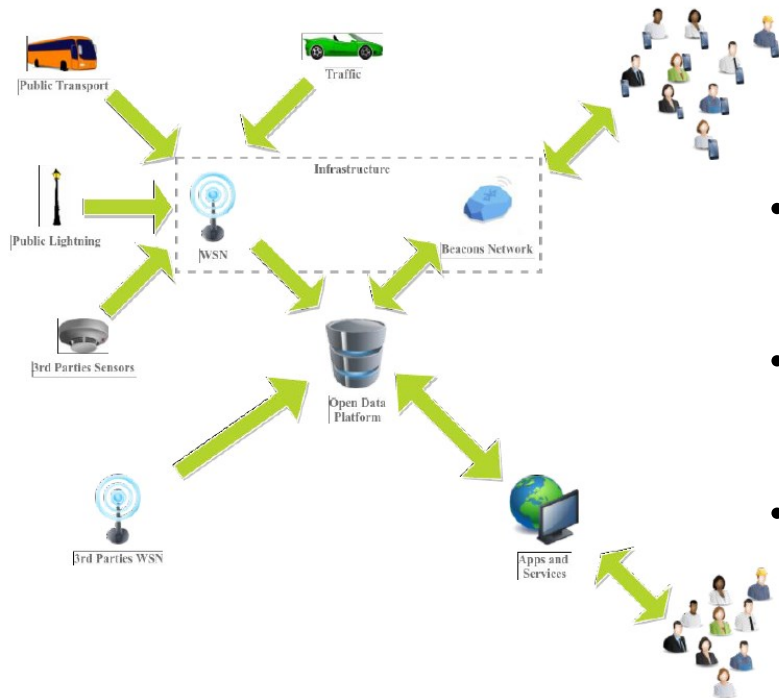


Goals of the Project

- Building of a local community
- Involvement and reinforcement of the market players
 - Connection to the public infrastructure
 - Development of innovative products and services



Architecture



- Beacons and sensors
- Open Data
- Open and public interfaces

Project phases

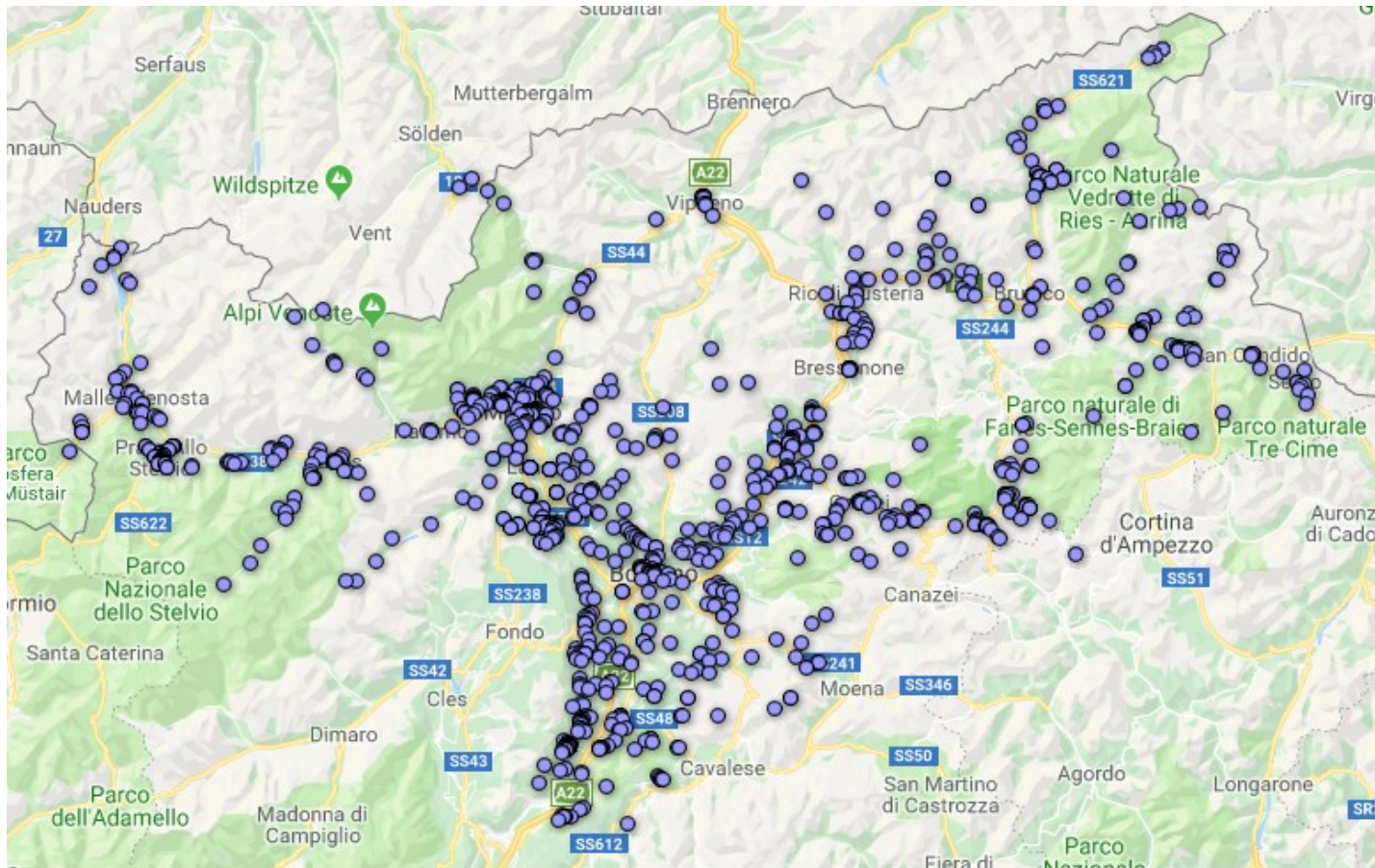
Timeline: May 2018 → June 2019

- Communication and community building
- State of the art analysis
- Beacon Network
- WSN Network
- Pilot implementation



What have we done, yet?

Identification of the first 1500 POI



What have we done, yet?

- Stakeholder analysis
- Analysis of target applications like Südtirol Guide, Sentres, STOL
- Landing Page <https://beacon.bz.it/>

What have we done, yet?

- Setup of the **LoRaWAN**[™] in the NOI-Techpark
 - Public R&D environment for local companies
 - Development and testing platform for the next Hackathon

What have we done, yet?

Community building



Next Steps

- Installation of the **BEACON**
- Analysis of
 - IOT technologies
 - Market trends
- Development of guidelines

Unleash your creativity!



info@beacon.bz.it

efre·fesr
Südtirol · Alto Adige

Europäischer Fonds für regionale Entwicklung
Fondo europeo di sviluppo regionale



EUROPEAN UNION

AUTONOME PROVINZ BOZEN - SÜDTIROL

Digitalisierung der öffentlichen Verwaltung



PROVINCIA AUTONOMA DI BOLZANO - ALTO ADIGE

Digitalizzazione della pubblica amministrazione

AUTONOME
PROVINZ
BOZEN
SÜDTIROL



PROVINCIA
AUTONOMA
DI BOLZANO
ALTO ADIGE



Thank you for your attention

BEACON

SÜDTIROL · ALTO ADIGE

AUTONOME
PROVINZ
BOZEN
SÜDTIROL



PROVINCIA
AUTONOMA
DI BOLZANO
ALTO ADIGE

efre·fesr
Südtirol · Alto Adige
Europäischer Fonds für regionale Entwicklung
Fondo europeo di sviluppo regionale



AUTONOME
PROVINZ
BOZEN
SÜDTIROL



PROVINCIA
AUTONOMA
DI BOLZANO
ALTO ADIGE



idm
SÜDTIROL
ALTO ADIGE

AUTONOME PROVINZ BOZEN - SÜDTIROL

Digitalisierung der öffentlichen Verwaltung



PROVINCIA AUTONOMA DI BOLZANO - ALTO ADIGE

Digitalizzazione della pubblica amministrazione