Gorenjska

2017	Gorenjska	Slovenia
Population	203.800	2.065.895
Size	2.137 km2	20,273 km²
Biggest city	Kranj (37.373 people in 2015)	Ljubljana (capital city, 278.853 people in 2015)
BDP per capita	16.437 EUR (2015)	19.576 EUR
Number of electric charging stations	24	228 (chargemap.com)
Number of registered cars		1.097.000 (2016), 300 electric cars

e-MOTICON

e-MObility Transnational strategy for an Interoperable COmmunity and Networking in the Alpine Space.

Klagenfurt, 5th of October 2017

European Regional Development Fund

Why did we decide for participation in e-MOTICON project?

- **Energy concept of Slovenia:** within the priority tasks in the mobility and energy sectors, the **core role** is delegated to implementation of alternative (low carbon) fuels with the emphasis on **electric mobility**. The document predicts **reaching the 100% of electric mobility** until **2055** in personal and public transport and until 2035 **reducing greenhouse gas emissions due to traffic for at least 35%** in comparison to the 2005. In line with these objectives (and others not connected to traffic) it is planned to halve the energy consumption of oil derivates, by the year 2035, by 2055 its total omission.

e-TRAIL

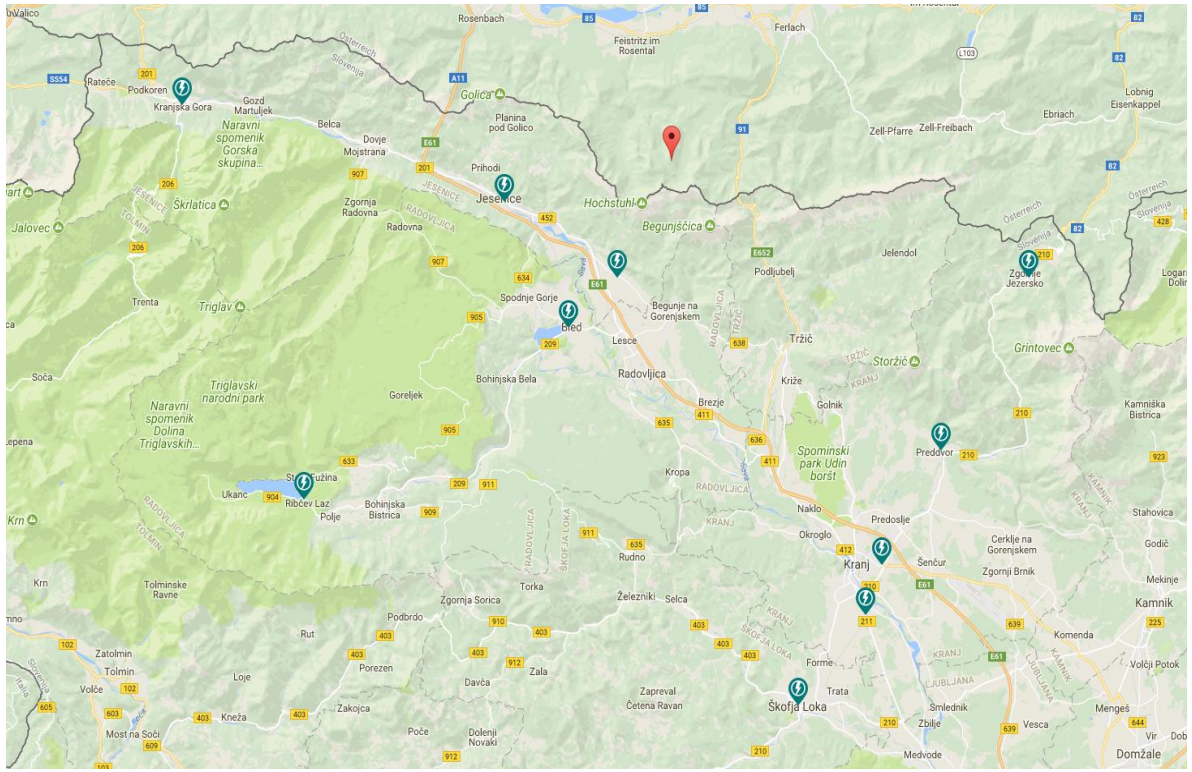
- disparities between existing and emerging set-ups of E-CS, established E-CS networks, managing systems, informational platforms
- 4 participating partners: Klagenfurt AT, PoleVdF FR, BAUM DE, RDA BSC Kranj SI
- Klagenfurt AT: an APP for multimodal transport with e-mobility
- PoleVdF FR: 2 E-CS networks created: 1 in Alsace and 1 in Franche-Comté
- BAUM DE: development of an Alpine Space-wide map & dictionary with links to existing platforms
- BSC Kranj: establishing interoperable network of 10 ECS with establishment of a back office

e-TRAIL – state in Gorenjska before the pilot action

- 23 E-CS
- only 4 interoperable (Petrol JSC)
- no monitoring of charging by other E-CS (when, how much, where?)
- technically unprepared for the exchange of information – no interoperability

E-TRAIL – after 4 months of the pilot implementation (3-6/17)

- 24 E-CS
- 10 E-CS minimum for testing interoperability
- 9 E-CS were technically upgraded to become interoperable
- 1 new purchased E-CS
- established back office
- Start of the monitoring different variables (occupancy, time of occupancy in a day, week, month, demand congestions, average charging time, location)



Number of results: 57

Previous 1 2 Nex

Session ID	User	Location	Charge point	Status	Charging time	Consumed energy	Stop reasons	Billing	Payment
S-2017/353 (CdrId: 51541)	Plug And Charge	Jesenice (Skladiščna ulica, 50, 4270, Jesenice)	SI0340002-01 Connector: 1 (Type 2 socket)	Polnjenje se je začelo	25.08.2017 12:33:06				
S-2017/350 (CdrId: 51502)	Plug And Charge	Labore (Labore, Labore, Labore)	SI0340003-01 Connector: 2 (Type 2 socket)	Polnjenje normalno zaključeno	25.08.2017 09:24:14 25.08.2017 11:14:00	13,3 kWh **(Max: 20.091,3 kW)**	Lokalna ustavitev		
S-2017/346 (CdrId: 51495)	Plug And Charge	Kranjska Gora (Kolodvorska, 1B, 4280, Kranjska Gora)	SI0340006-01 Connector: 1 (Type 2 socket)	Polnjenje normalno zaključeno	25.08.2017 08:57:39 25.08.2017 11:15:31	8,2 kWh **(Max: 3.561,9 kW)**	Lokalna ustavitev		
S-2017/343 (CdrId: 51483)	Plug And Charge	Škofja Loka (Kapucinski trg, 7, 4220, Škofja Loka)	SI0340000-01 Connector: 2 (Type 2 socket)	Polnjenje normalno zaključeno	25.08.2017 07:34:45 25.08.2017 09:58:39	7,1 kWh **(Max: 21.279,6 kW)**	Lokalna ustavitev		
S-2017/341 (CdrId: 51481)	Plug And Charge	Kranj Merkur (Cesta Staneta Žagarja, 67, 4100, Kranj)	SI0340001-01 Connector: 2 (Type 2 socket)	Polnjenje se je začelo	25.08.2017 07:28:09				
S-2017/336 (CdrId: 51469)	Plug And Charge	Labore (Labore, Labore, Labore)	SI0340003-01 Connector: 1 (Type 2 socket)	Polnjenje normalno zaključeno	24.08.2017 22:37:45 25.08.2017 11:14:09	48,9 kWh **(Max: 7.415,0 kW)**	Lokalna ustavitev		
S-2017/327 (CdrId: 51450)	Plug And Charge	Bohinj (Ribčev Laz, 48, 4265, Bohinjsko jezero)	SI0340008-01 Connector: 2 (Type 2 socket)	Polnjenje se je začelo	24.08.2017 18:51:14				
S-2017/328 (CdrId: 51451)	Plug And Charge	Bohinj (Ribčev Laz, 48, 4265, Bohinjsko jezero)	SI0340008-01 Connector: 2 (Type 2 socket)	Polnjenje se je začelo	24.08.2017 18:51:14				
S-2017/329 (CdrId: 51453)	Plug And Charge	Bohinj (Ribčev Laz, 48, 4265, Bohinjsko jezero)	SI0340008-01 Connector: 2 (Type 2 socket)	Polnjenje normalno zaključeno	24.08.2017 18:51:14 24.08.2017 20:00:13	4,1 kWh **(Max: 3.565,9 kW)**	Lokalna ustavitev		

Infrastructure - Charge point dashboard

Charge point / **SI0340000-01**

Charge point | Connector 1, AC Tip 2 vtičnica, 22.08 kW | Connector 2, AC Tip 2 vtičnica, 22.08 kW

Refresh data | Back to list

Change availability | Reset charger

Communication established

Last communication
25.08.2017 12:39:19

Run diagnostics
Communication logs

Asset data

Details asset info

Charge point model	G6-xxx
Serial number	G61706000625
Asset status	In operation
Friendly code	SI0340000-01
Land owner	
Charge point owner	Gorenjske elektrarne, d.o.o.

Past chargings statistics

Charging sessions Monthly 23

Active energy Monthly

115,2 kWh
Average per session: 5,0 kWh

Charging duration Monthly

17,6 h
Average per session: 0,8 h

Utilization
2,4 %

Active power Monthly

Max power 21.343,2 kW
Average max per session: 6.494,3

Communication

Protocol type	Etrel Protocol 1.1
Charge point identity	SI03060
Communication type	GSM 2G/3G/4G
Has static IP	Yes
Remote IP	10.246.95.45
Local IP	192.168.1.240

Location

Other charge points | More data

Friendly name	Škofja Loka
Friendly code	SI0340000
Address	(Kapucinski trg, 7, 4220, Škofja Loka)
Access type	Javno dostopno - Zastonjsko polnjenje

Seje 9 | Authorizations 6 12 | Reservations | Events 170 12 18 | Measurements | Maintenance | Tickets | Firmware updates

E-TRAIL – what do we want to achieve?

- Interoperability and localization planning
- Preparation of policies
- Cooperation with municipalities and operators of E-CS and distributors of electricity in Gorenjska

E-TRAIL – why do we want to achieve this?

- because municipalities play an important role in the development phase of promoting e-mobility
- because the cooperation between municipalities and operators improves services for users
- because the municipalities can lend public space for E-CS set-up thus support set-up of E-CS network
- because with interoperability we can improve the parking system management and set up E-CS to less or more traffic frequent locations
- because it enables price elasticity due to the demand parameters and regulates parking in the city centers
- because by interoperability the operator can inform the consumer about the occupancy of the E-CS, booking, holds the reservation, while the rest of the demand is directed to the free E-CS

Other developments

- Regional level: e-Car-sharing

- National level: financial and fiscal incentives for promotion of e-mobility (E-CS, cars, public transport)

Thank you for the attention and I wish you a wonderful rest of the day!