EMPOWER
Interreg Europe

Interreg Europe Policy Learning Platform

AGENZIA REGIONALE RECUPERO RISORSE

Florence Smart City Control Room

Webinar on Open Data for Smarter Cities
29 April 2020

Sergio Gatteschi
The Regional Resource Recovery Agency of Tuscany
sergiogatteschi@yahoo.it

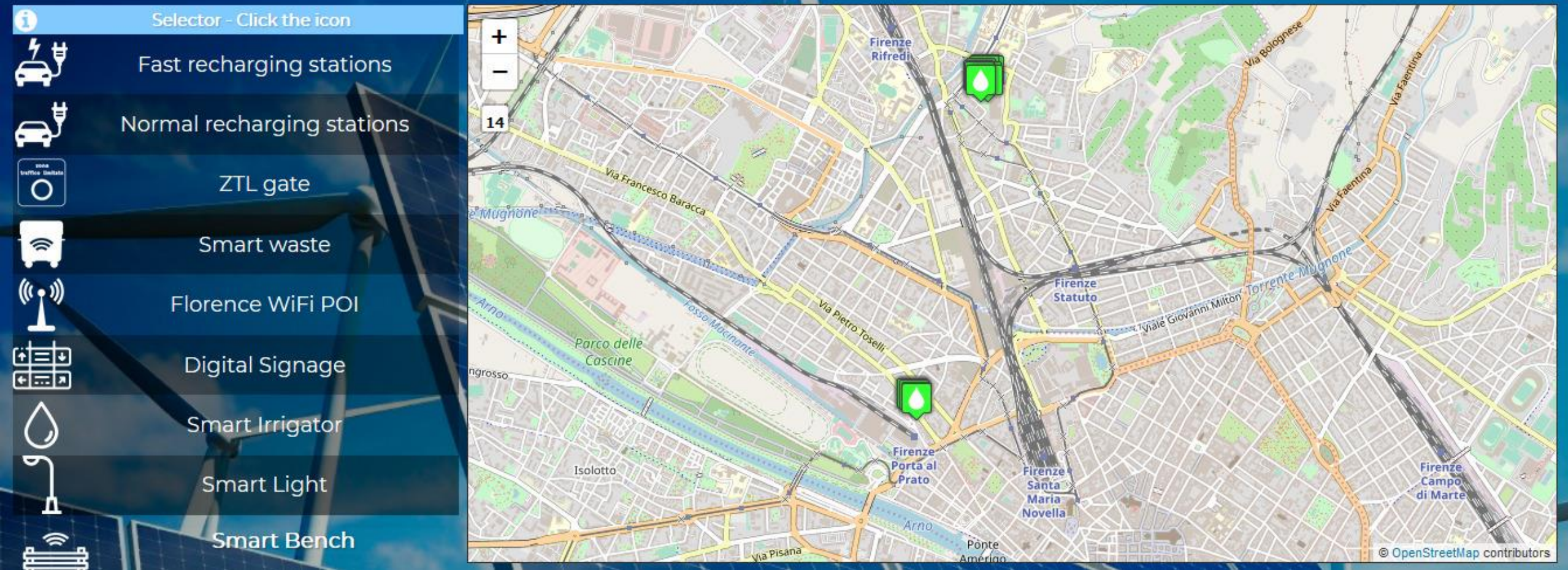
EMPOWER
More carbon reduction by dynamically monitoring energy efficiency

Silfi Control Room in Firenze

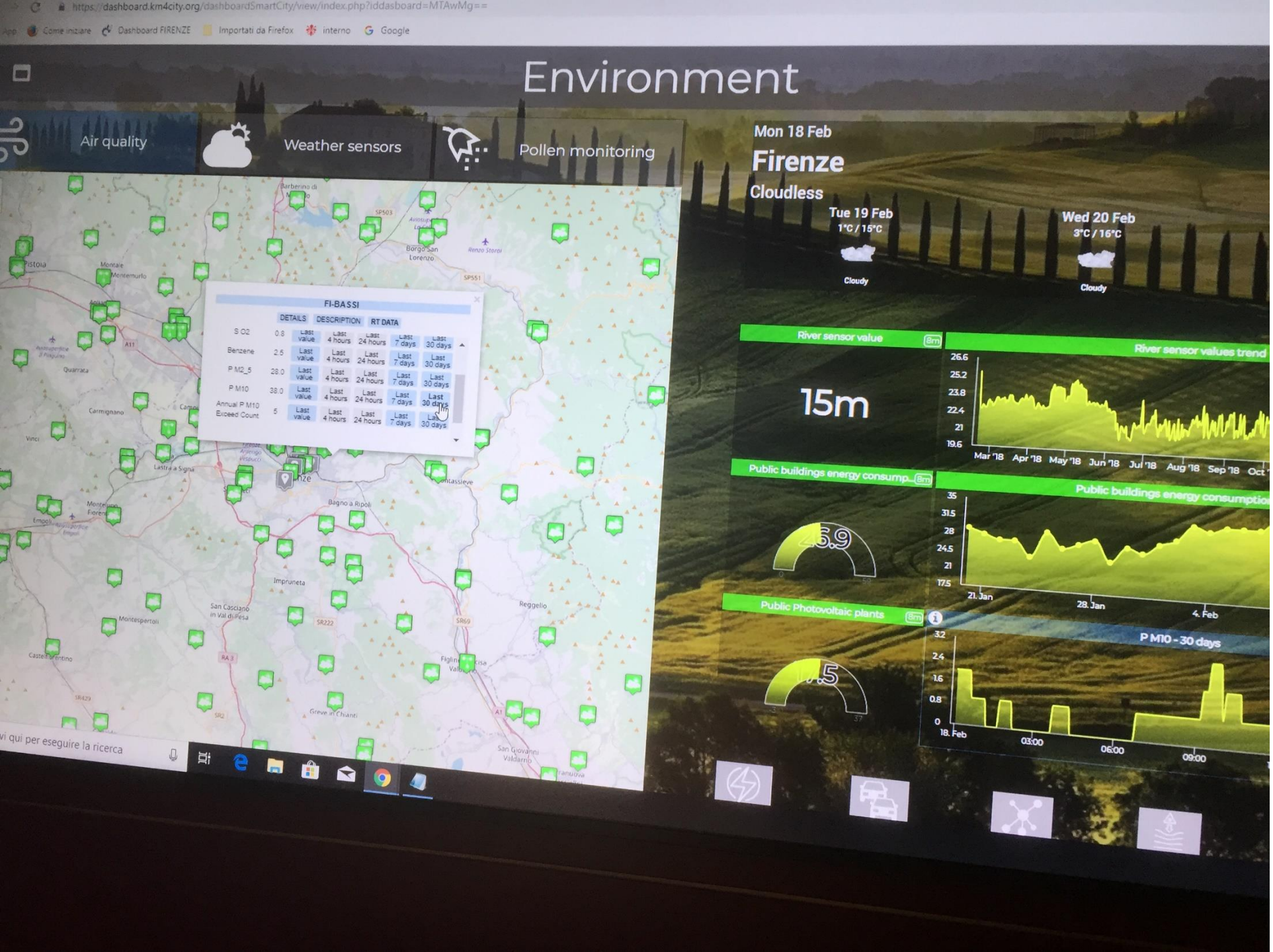
Data monitored and consolidated in the Silfi Traffic Control Room:

- Public lighting situation and energy efficiency
- Weather
- Traffic light synchronization systems, electric mobility and car & bike sharing
- Traffic control with sensors and cameras, monitoring of traffic system (including ZTL, parking, bus, tramway and public transport)

- Energy -

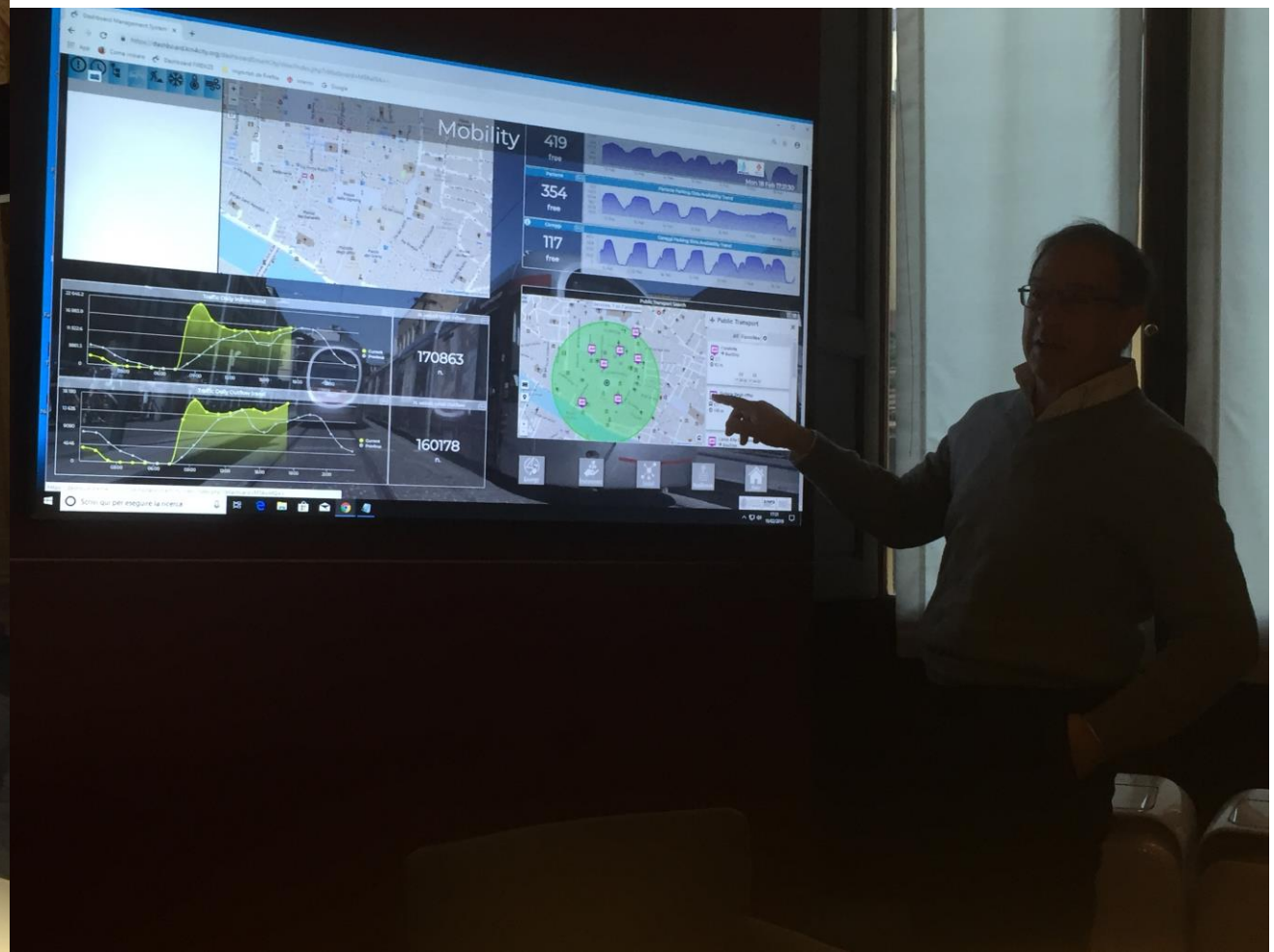


The Screenshot about Energy



The Screenshot about Environment

- In Palazzo Vecchio, in the Mayor's Office a specific dashboard on policy making is available for monitoring city state of art:
- It allows the Mayor to get information about real state of the traffic, the environmental data, together with the one on wheather forecast, registry office, wifi hotspot, electric charging points.... and a special session is reserved to the sentiment analysis.



How the data is gathered

- Sensors
- Cameras
- Sensors

The Major of Firenze, Dario Nardella, with Assessor Andrea Vannucci, placing a control camera.

EMPOWER
Interreg Europe

AGENZIA REGIONALE RECUPERO RISORSE

A new development with **multi purpose sensors** positioned over public lampposts (new sensors can collect weather data, are Wi-fi signal repeater, bluetooth sensors, etc.)

Access rights to the Data

- The Mayor of Firenze and the Metropolitan Area of Firenze;
- Municipal police;
- Mobility department, environmental department, IT department, City manager department
- SILFI, who will also be the manager of the SCCR
- Utilities and service providers

Available Data

1. Only those who are within the SCCR have access to the data that are on the platform (they are also "protected" data);
2. Part of this data, however, is available in open data, such as parking lots;
3. Others are made available by the various owners on their own channels:

i.e. the society of public transports provides bus data on delays, ecc, on his app;

- The app IF (Infomobilità Firenze) analyses the data, and gives the available information the best choice and management of routes.

Impact: PRESENT

- Improvement of traffic control
- Installation of the new lamps, in addition to bringing intelligent sensors, includes the replacement of the old lights with LED lamps, with an energy efficiency that allow both energy savings of over 60% and a further reduction of light pollution.

Impact: FUTURE

- **The SCCR will bring together the main public services deployed in the city thanks to the utilities and private operators (as for the road maintenance through global service) under the coordination of the Municipality of Florence**
- **It will be possible to improve monitoring of traffic system (including ZTL, parking, bus, tramway and public transport, ….), water and electricity, energy efficiency, public lighting, traffic light system, waste bins**
- **Integration with other data coming from utilities and service providers will give the opportunity to improve even more mobility in the city. The SCCR will control also the emptying of garbage bins and street cleaning service: an app dedicated to the informobility of Florence will allow the people to choose the best route in the city.**

Impact: FUTURE

- Specific Key Performance Indicators will be provided on the aggregate trends to be included in the decision makers' dashboards to allow better monitoring and consequent choices.

EMPOWER
Interreg Europe

Interreg Europe Policy Learning Platform

AGENZIA REGIONALE RECUPERO RISORSE

Florence Smart City Control Room

Webinar on Open Data for Smarter Cities
29 April 2020

Thanks for your attention!

Sergio Gatteschi
The Regional Resource Recovery Agency of Tuscany
sergiogatteschi@yahoo.it

EMPOWER
More carbon reduction by dynamically monitoring energy efficiency