



SYNCHRONICITY

H2020 LSP SynchroniCity:

Achievements and results

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Barcelona Smart Cities World Expo 20/11/2019





This project has received funding from the European Union's Horizon 2020 research









European projects in Milan





Clever Cities

Dynamap

Fab

Fit4Food2030

Prepair

Sharing Cities

Synchronicity

Trifocal

Uia

URBACT

VEG-GAP





















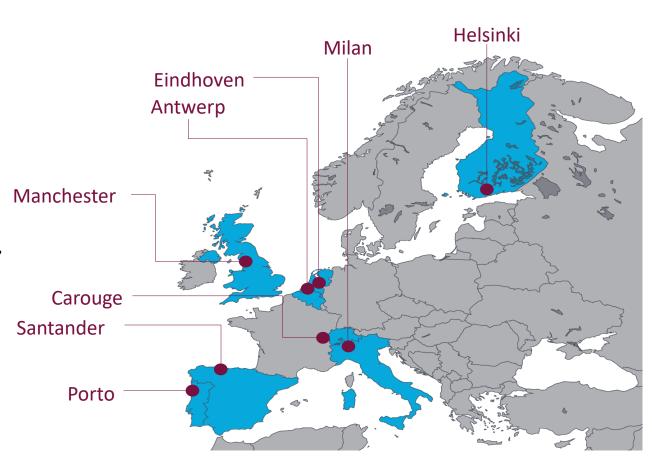






SynchroniCity - Cities

- Core cities: Antwerp (BE),
 Eindhoven (NL), Helsinki
 (FI), Manchester (UK), Milan
 (IT), Porto (PT), Santander
 (ES), Carouge (CH)
- Linked cities: Léon (Mexico),
 Seongnam (Korea),
 Bordeaux (France), Portland
 (USA)
- Network: OASC, AIOTI, EIP SCC, FIWARE, FIRE.





SynchroniCity - Partners





































































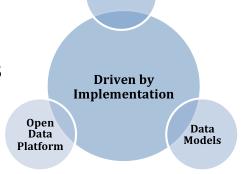






SynchroniCity - goals

- SynchroniCity opens up a global IoT market where cities and businesses
 develop shared digital services to improve the lives of citizen and grow local
 economies.
- At the core is the Minimal Interoperability Mechanisms (MIMs) of the Open
 & Agile Smart Cities (OASC) network:
 - a common standard API for context information management:
 - a common set of information models
 - a set of common standards data publication platforms



Common



SynchroniCity – Use cases

To validate the MIMs approach, pilots application had to be developed

- 1. INTERNAL BASE APPLICATIONS AND SERVICES:
 - Human-centric traffic management
 - Multi-modal transportation
 - Community Policy Suite

Mobility

Social Inclusion

- 2. OPEN CALL (€3m) FOR SMEs
 - New applications
 - New IoT services



Mobility
Environment
Social Inclusion



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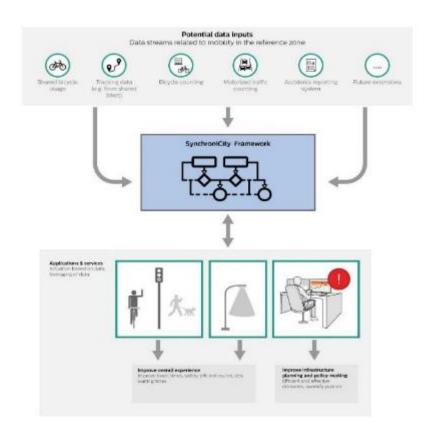
Mobility
Environment
Social Inclusion

4 projects have been selected

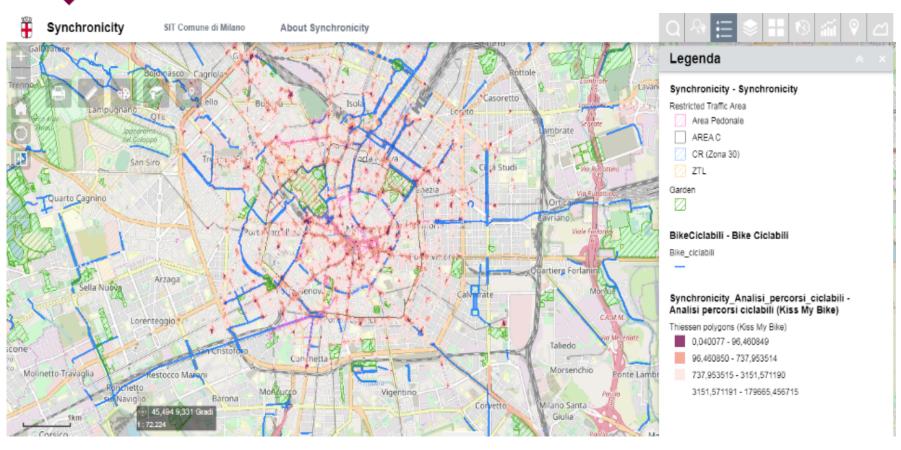




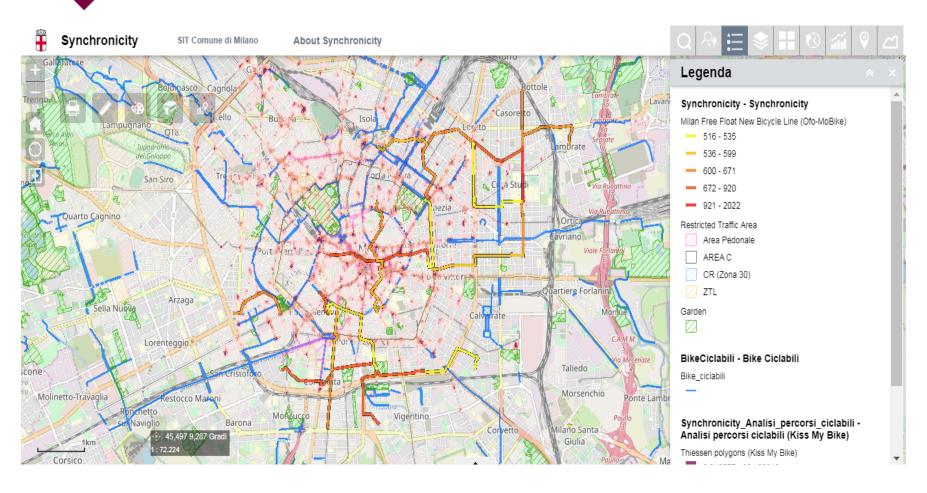
Use of: bike sharing data, geolocated road accidents, traffic data to improve cycling plans. This service aims to support cycling mobility planners by showing the lines of desire of cyclists, the most dangerous points and trunks and the traffic levels along the road network.



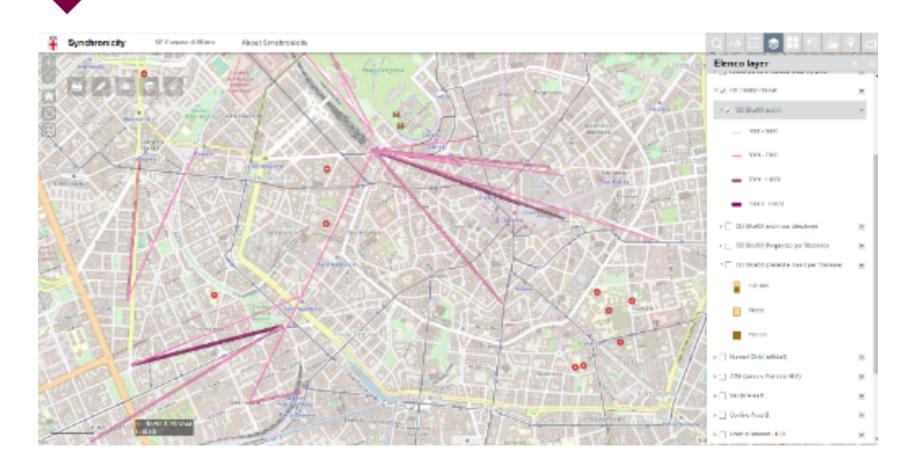
The application exploits Synchronicity data and the geoportal asset of Milan



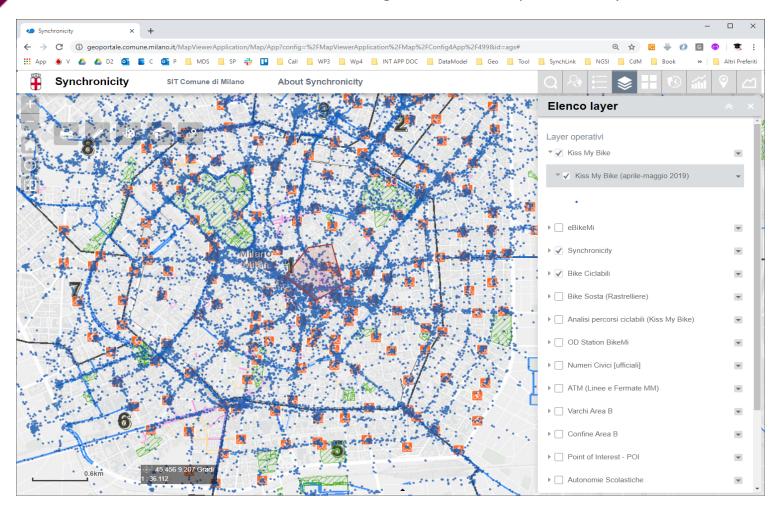
A leverage to map data to be used by the decision supporting tool for bike planning, the internal pilot that exploits bike sharing usage to map the demand for cycling.





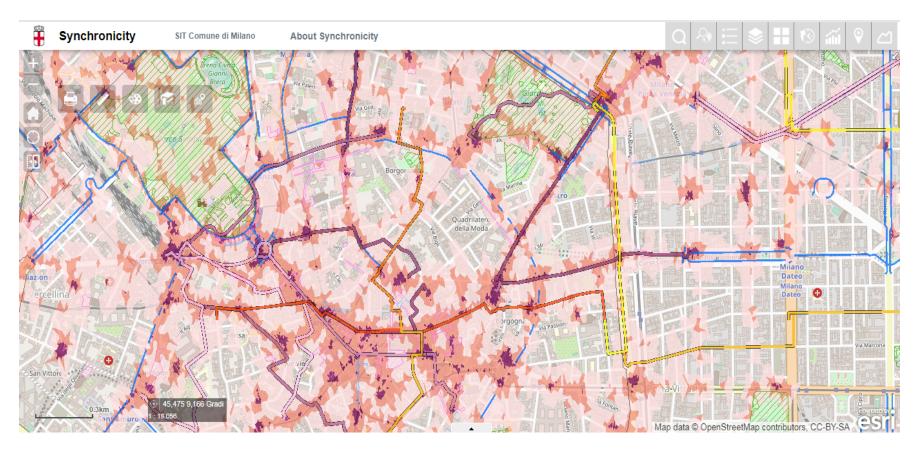


This tool was enriched with data coming from one of the pilots, KissMyBike





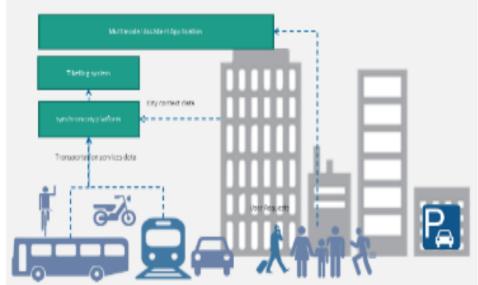
When the tool has been presentend inside the Municipality there have been requests to apply it to other uses case (eg. The next Scooter Sharing services to be launched in Milan in the next months)





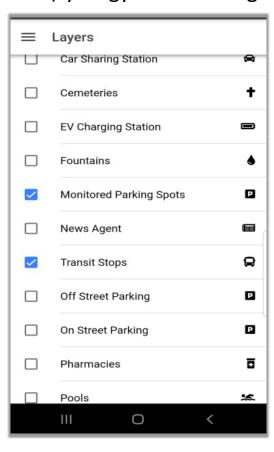


Use of data from smart parking sensors to track and monitor parking status and guide disabled people to those parking lots considering the specific traffic rules. In a second phase, the navigator will use public transport data and accessibility attributes.

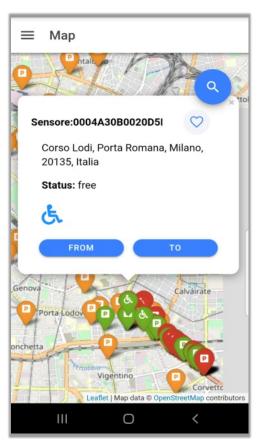


Milano. Use case 2 - MMA

Disabled people can have access to the availabity of reserved parking spot (synergy with Sharing Cities H2020 project)

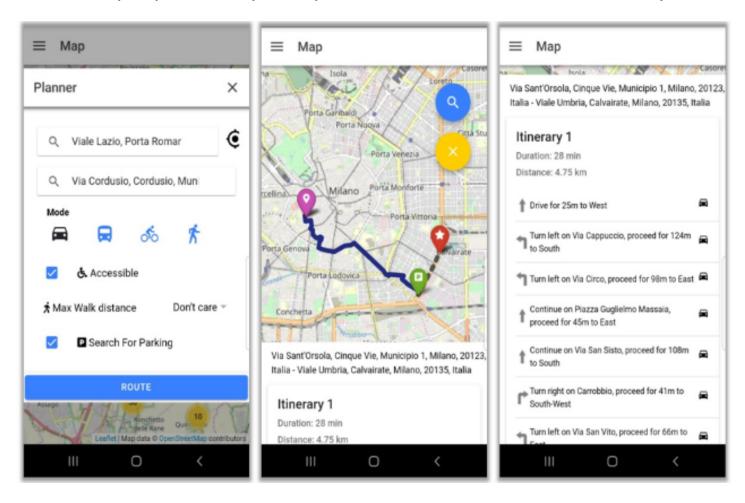




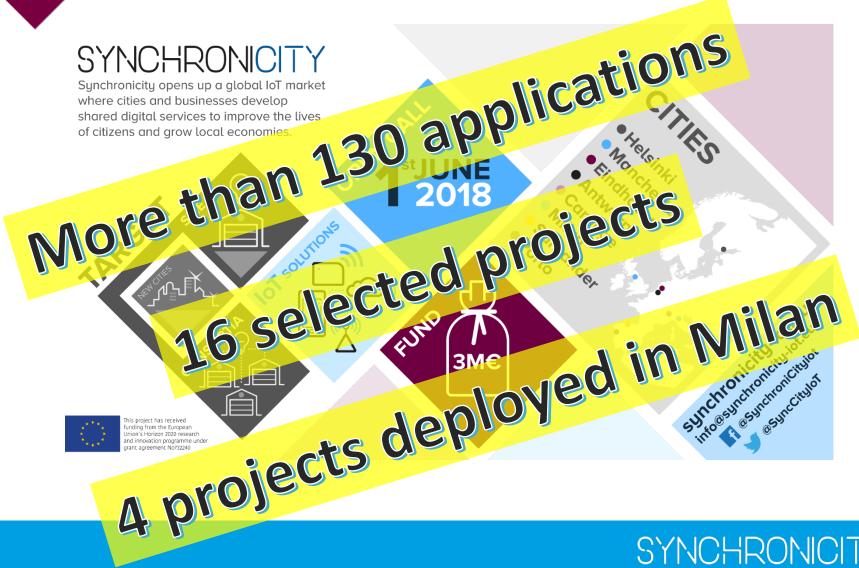


Milano. Use case 2 – MMA

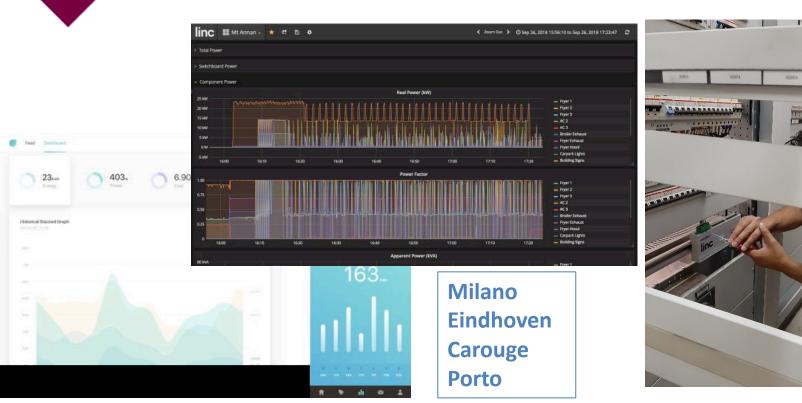
Disabled people have special permits to access restricted areas by car



Synchronicity – The Open Call



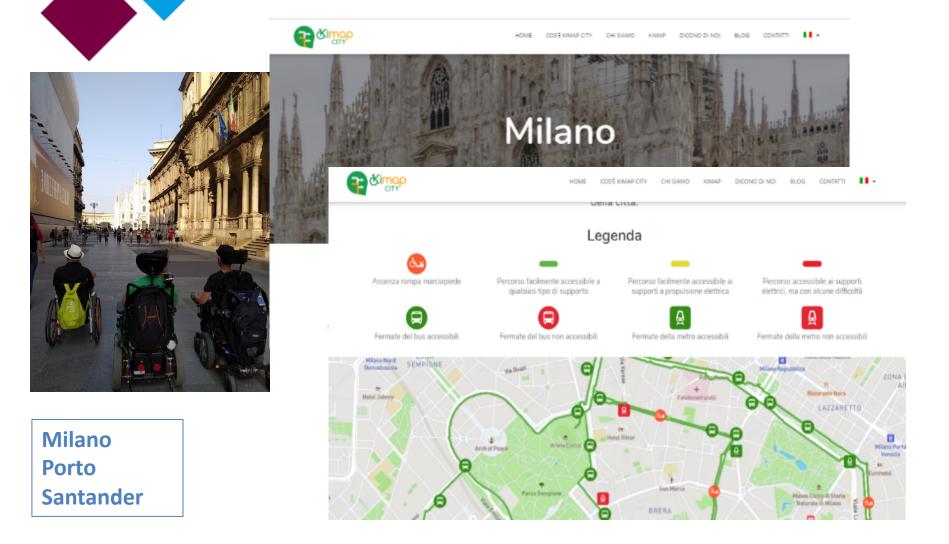
Milano. Linc: energy monitoring





https://www.linc.world/about.html

Milano. Kimap: accessibility for all





Milano. Kimap: accessibility for all

Crowdmapping system about wheelchair accessibility In june 2019, 5 disabled people lead by Kimap team, mapped 21 km. The project has been developed in sinergy with the Milan Mobility Agency (AMAT), and LEDHA (disabled people association)









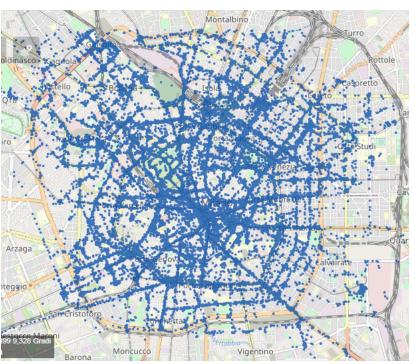
Milano. KissMyBike - Bike antitheft tracker



Milano Santander Anterp









Milano. BlueAlpaca: a chatbot for public offices

Pilot results

- After the pilot launch the application has been tested for 7 weeks being used by 193 citizens
- 17K messages exchanged
- The hatbot has been abble to understand the most number of textual users messages
- The most used service has been searching information about getting ID documents



Milano Antwerp Helsinki Porto Santander

Fai la fila

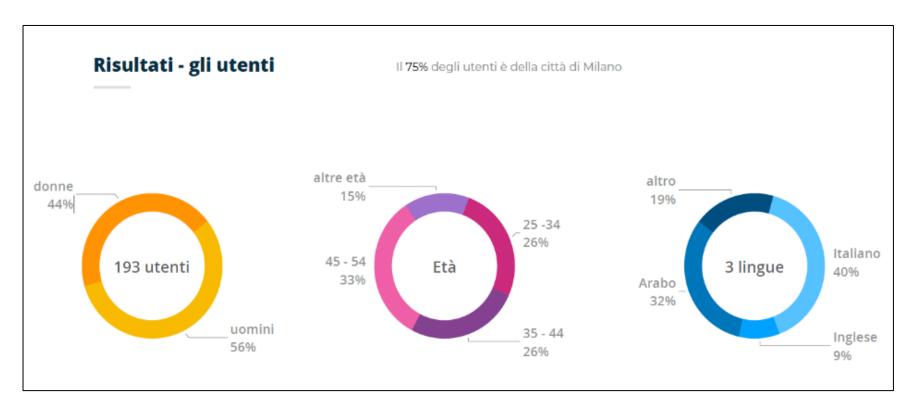
Questa innovativa funzionalità permette di staccare un biglietto digitale per mettersi in coda anche senza essere fisicamente all'interno di un ufficio dell'Anagrafe.

Il chatbot fornisce una stima del tempo di attesa e controlla regolarmente lo stato della coda per avvisare l'utente quando mancheranno 5 persone prima del suo turno.

https://m.me/bluealpacaMilano

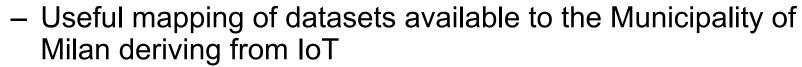


Milano. BlueAlpaca: a chatbot for public offices



Chatbot as social inclusion system





- Experimentation of innovative solutions involving different Departments and external subjects
- Sustainability of the implemented solutions: i.e. mapping of e-bike location data in the cycling dashboard
- Exploiting the already existing assets (e.g. WSO2 platform, geoportal)
- and of of course... breaking the sylos





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