

Verso la mobilità sostenibile



Traffico e Mobilità delle persone:

- Elevati costi per la società e per le persone
- Sorgenti di inquinamento: NO2, CO2, etc.
- Aumento dell'offerta/domanda multimodale
- Incremento della complessità della mobilità
- Impatto sulla qualità della vita: SDG, 15MinCityIndex
- Impatto sui servizi primari e di emergenza: vigili del fuoco, ambulanze, sicurezza, trasporto merci, ..

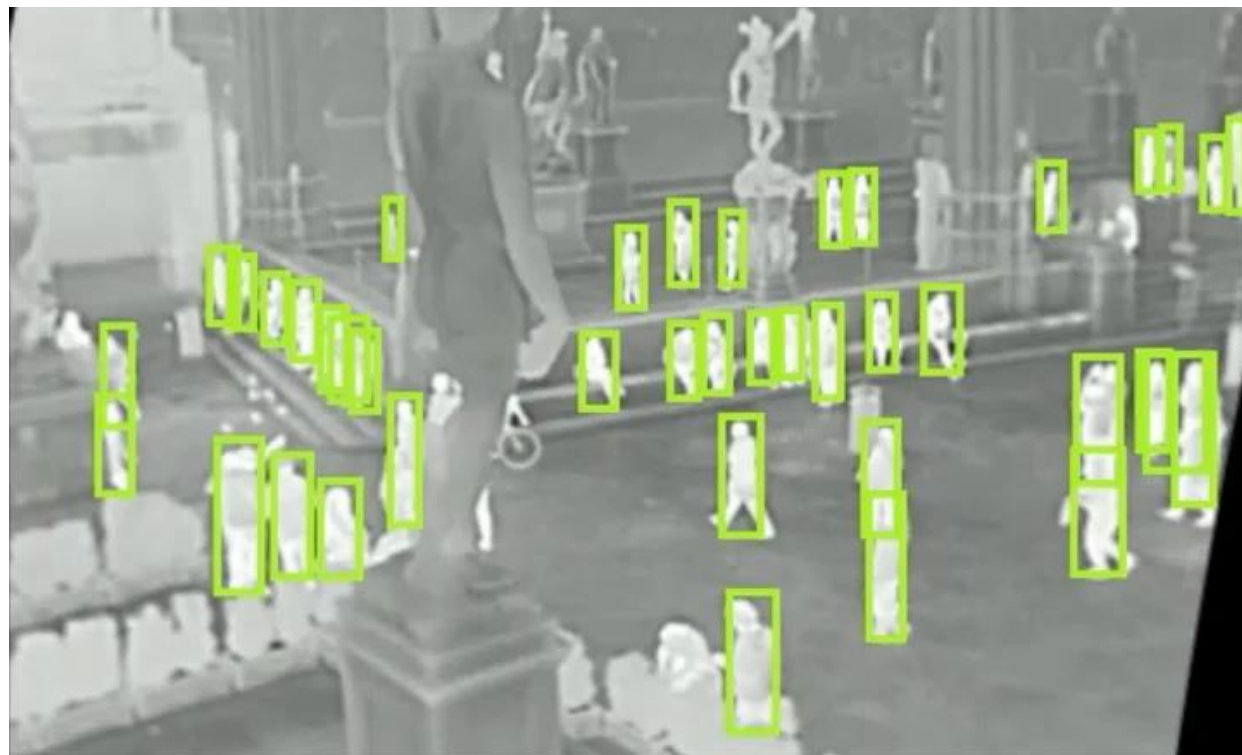
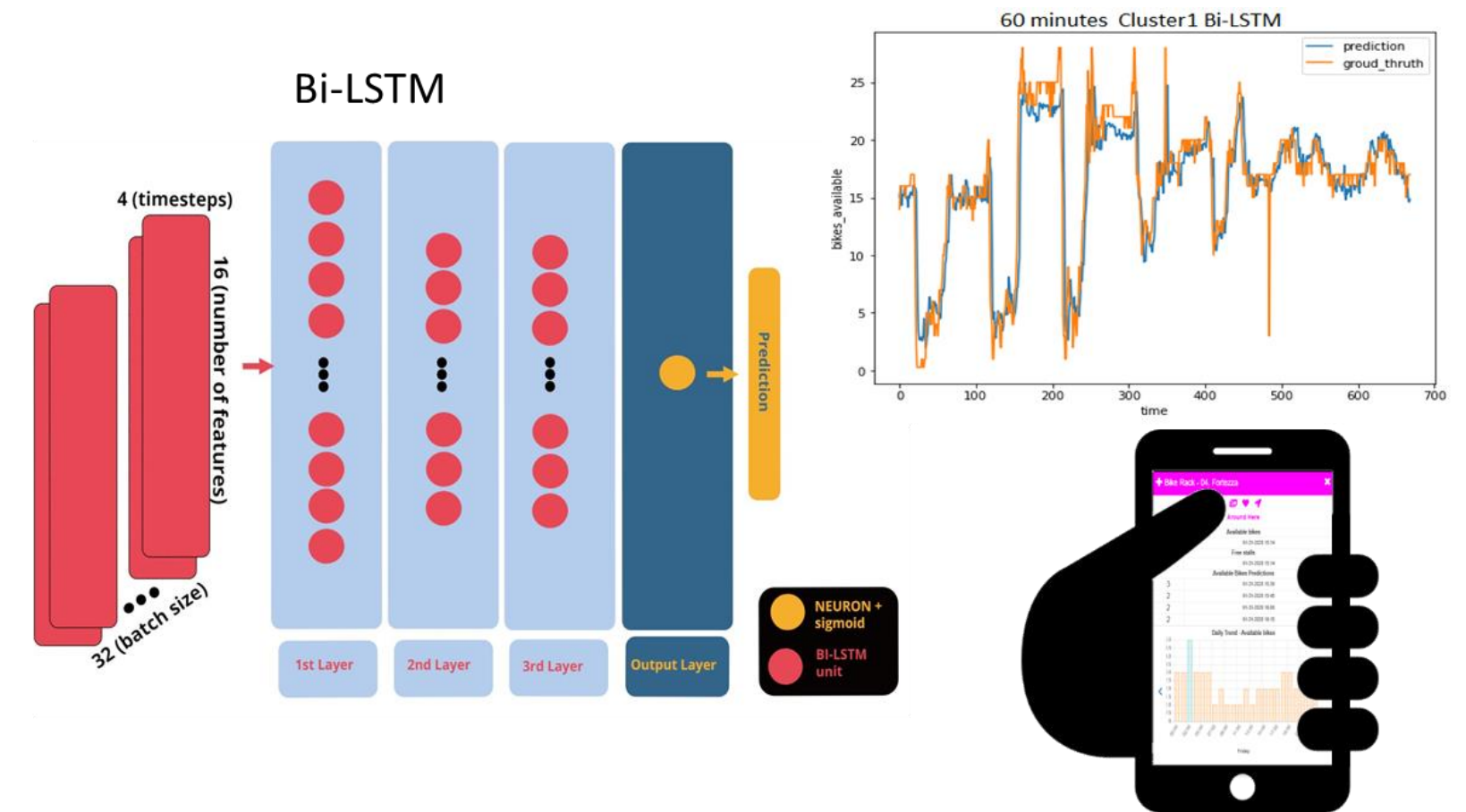
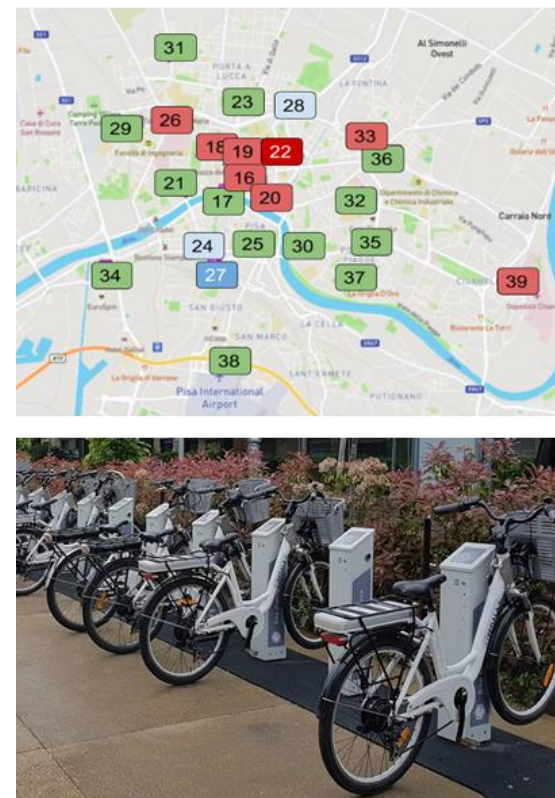
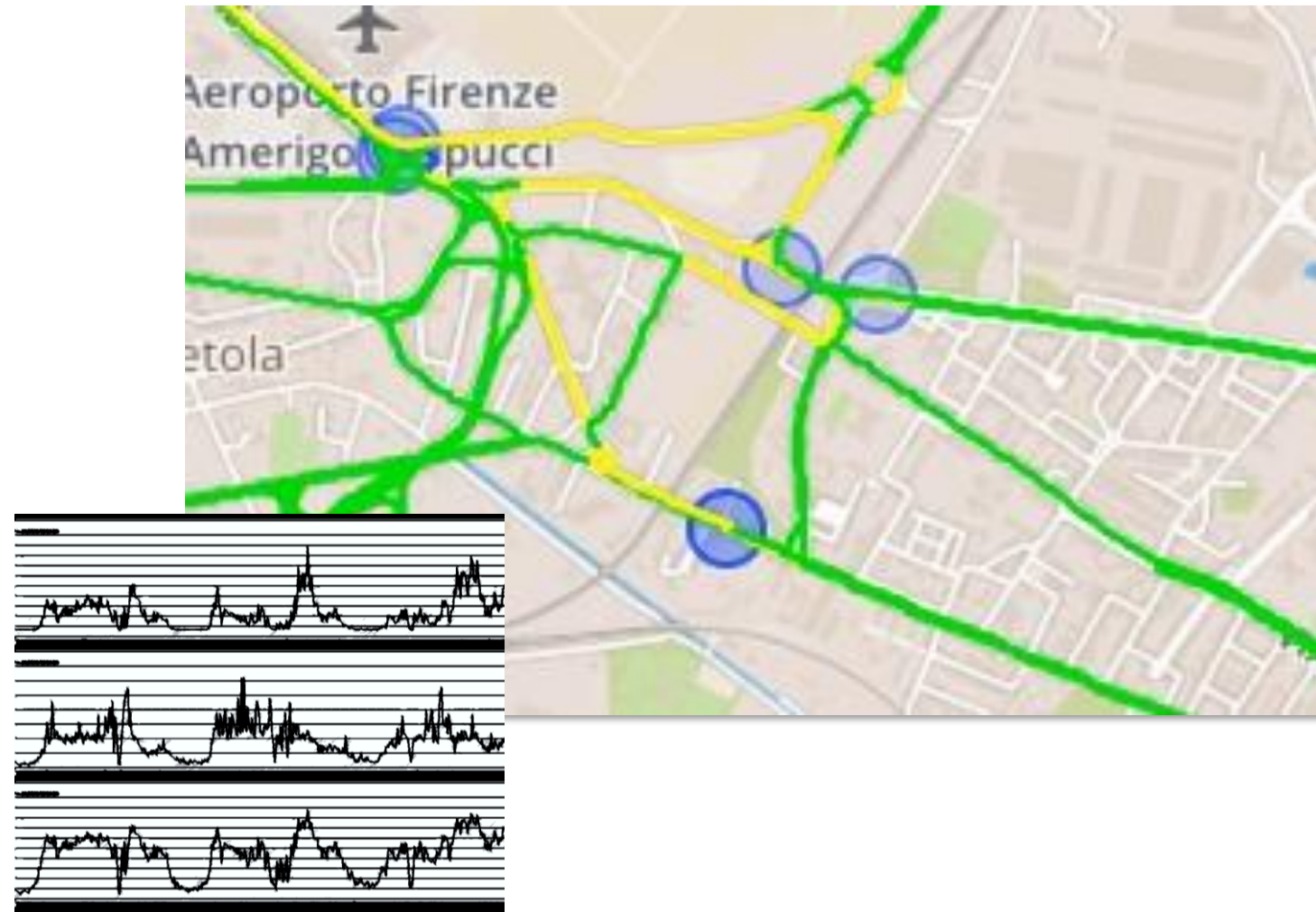
Impatto Ambientale

- Dovuto al traffico ma anche a fattori climatici

Informazioni su reti complesse
Pochi punti di misura con dati nel tempo

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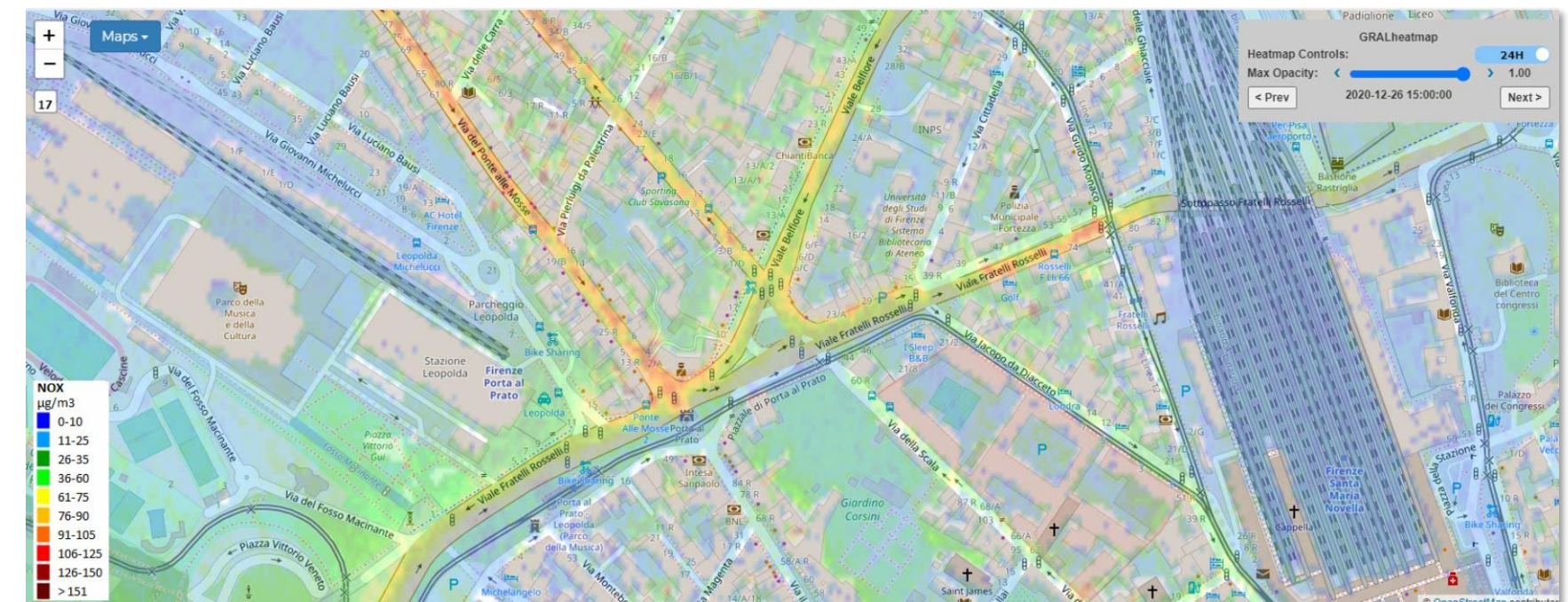
Predizioni del traffico rispetto ad eventi non previsti
Predizioni sui parcheggi, sul bike sharing, etc.



Stima del CO2



Predizioni NO, NO2 (NOX)



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1 NO POVERTY

2 ZERO HUNGER

3 GOOD HEALTH AND WELL-BEING

4 QUALITY EDUCATION

15 Minute City Index:

- 13 subindexes: energy, slow mobility, fast mobility, housing, economy education, culture and cults, health, entertainment, gov, food, security...

7 AFFORDABLE AND CLEAN ENERGY

11 SUSTAINABLE CITIES AND COMMUNITIES

13 CLIMATE ACTION

15 LIFE ON LAND

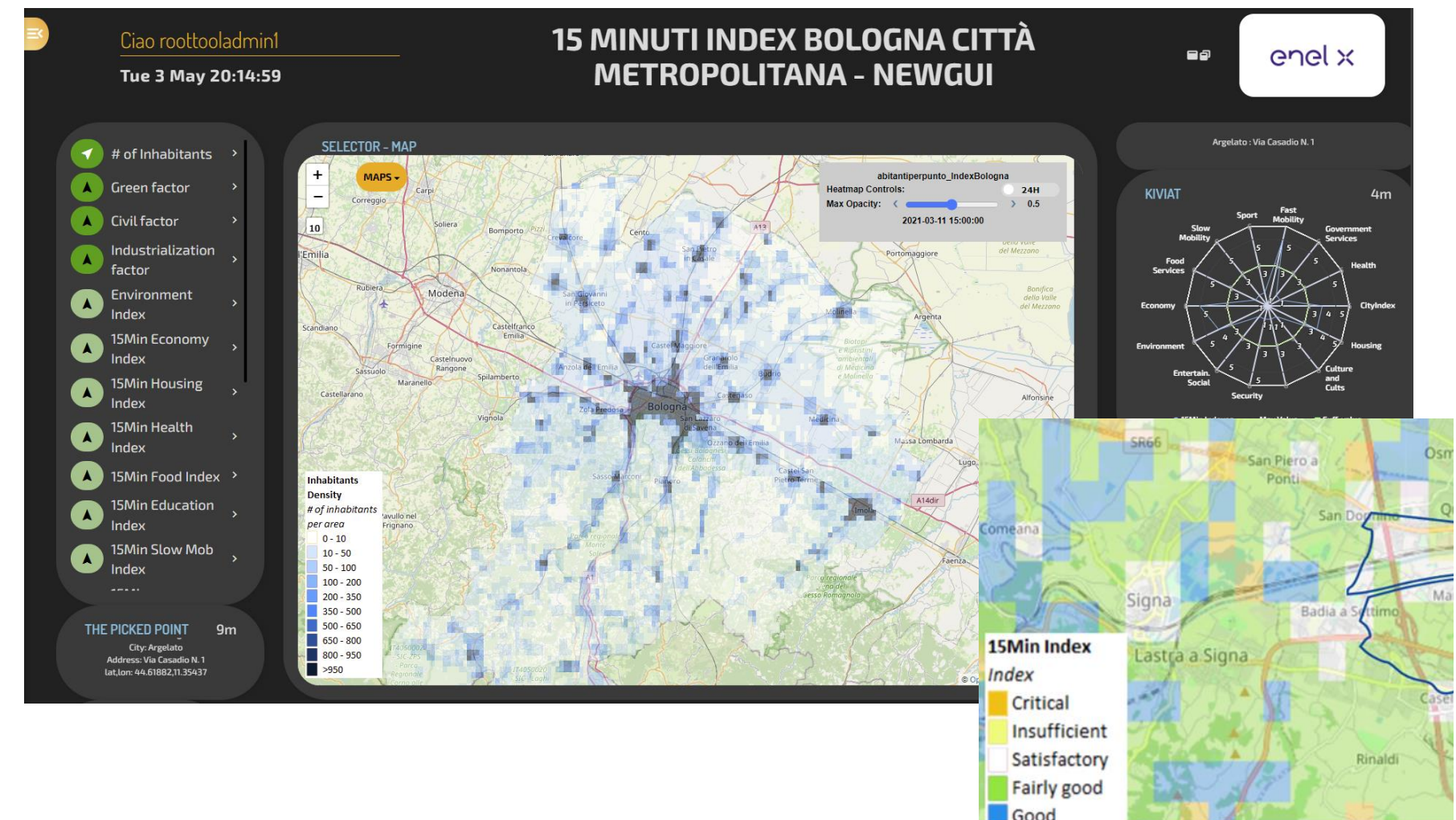
- Monitoring and Prediction of energy consumption
- Stimulating: Bike sharing, e-bikes, car charge, etc.
- Smart City infrastructure: monitoring and resilience, long terms predictions
- Effective and Low cost smart solutions
- What-if analysis, Simulations
- Origin Destination matrices computation
- Monitoring and Predicting: NO2, NOX, CO2, Traffic flow, pollutant, landslide, waste, etc
- Traffic flow reconstruction
- Demand vs Offer of Mobility analysis

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

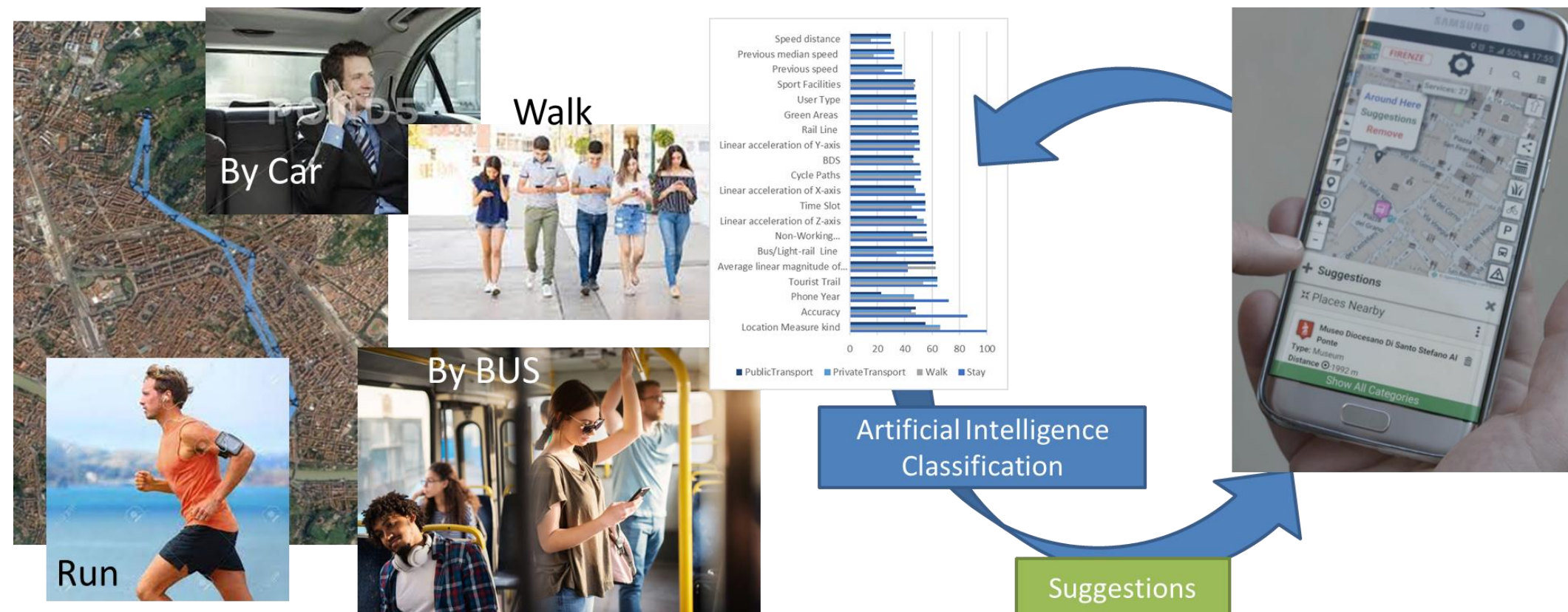
12 RESPONSIBLE CONSUMPTION AND PRODUCTION

16 PEACE, JUSTICE AND STRONG INSTITUTIONS

- Industry 4.0 integrated solutions
- Decisions Support Systems
- Process optimization, control
- Predictive maintenance
- business intelligence tools for decision makers
- Reduction production costs
- Monitoring resource consumption
- Optimization of Waste Collection
- Shortening justice time
- Anonymization and indexing legal docs.
- Prediction of mediation proneness
- Ethical Explainable Artificial Intelligence



Suggerire soluzioni di trasporto sostenibili:



Analisi delle condizioni di mobilità lenta e veloce per fornire suggerimenti agli operatori

