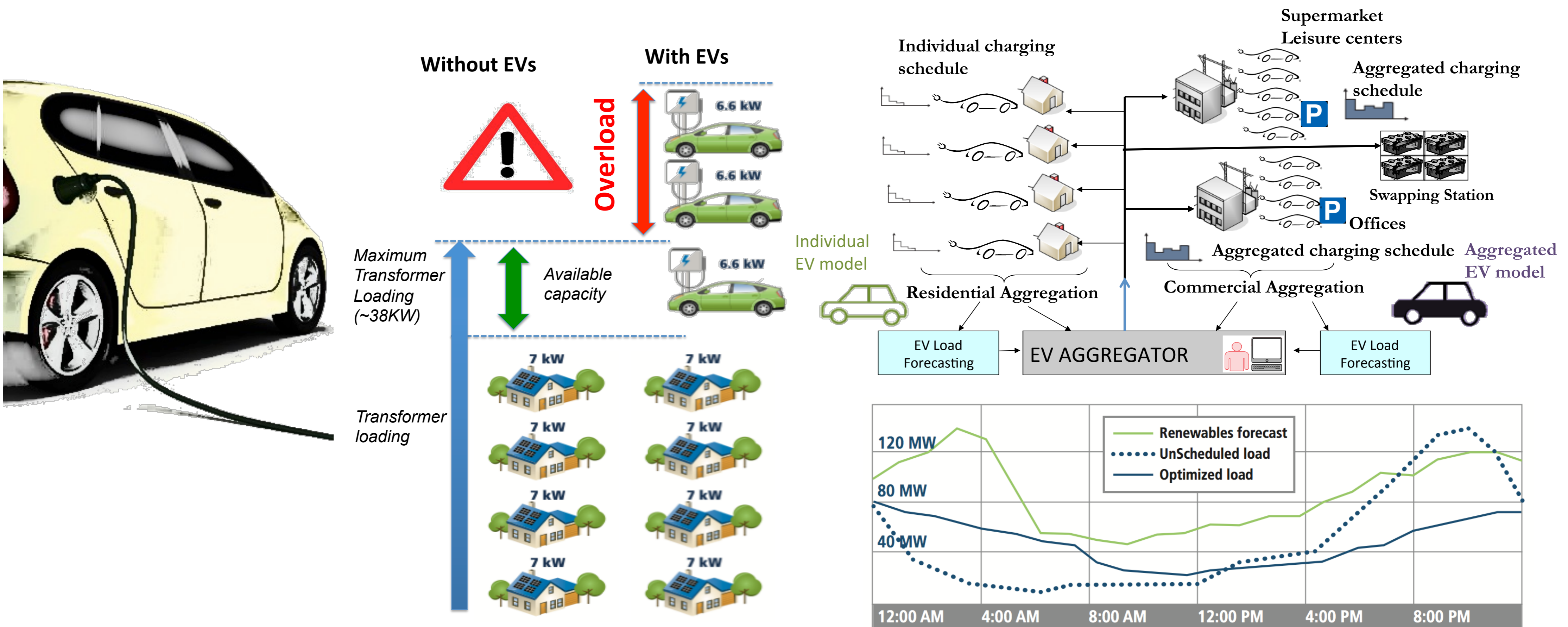


In collaboration with



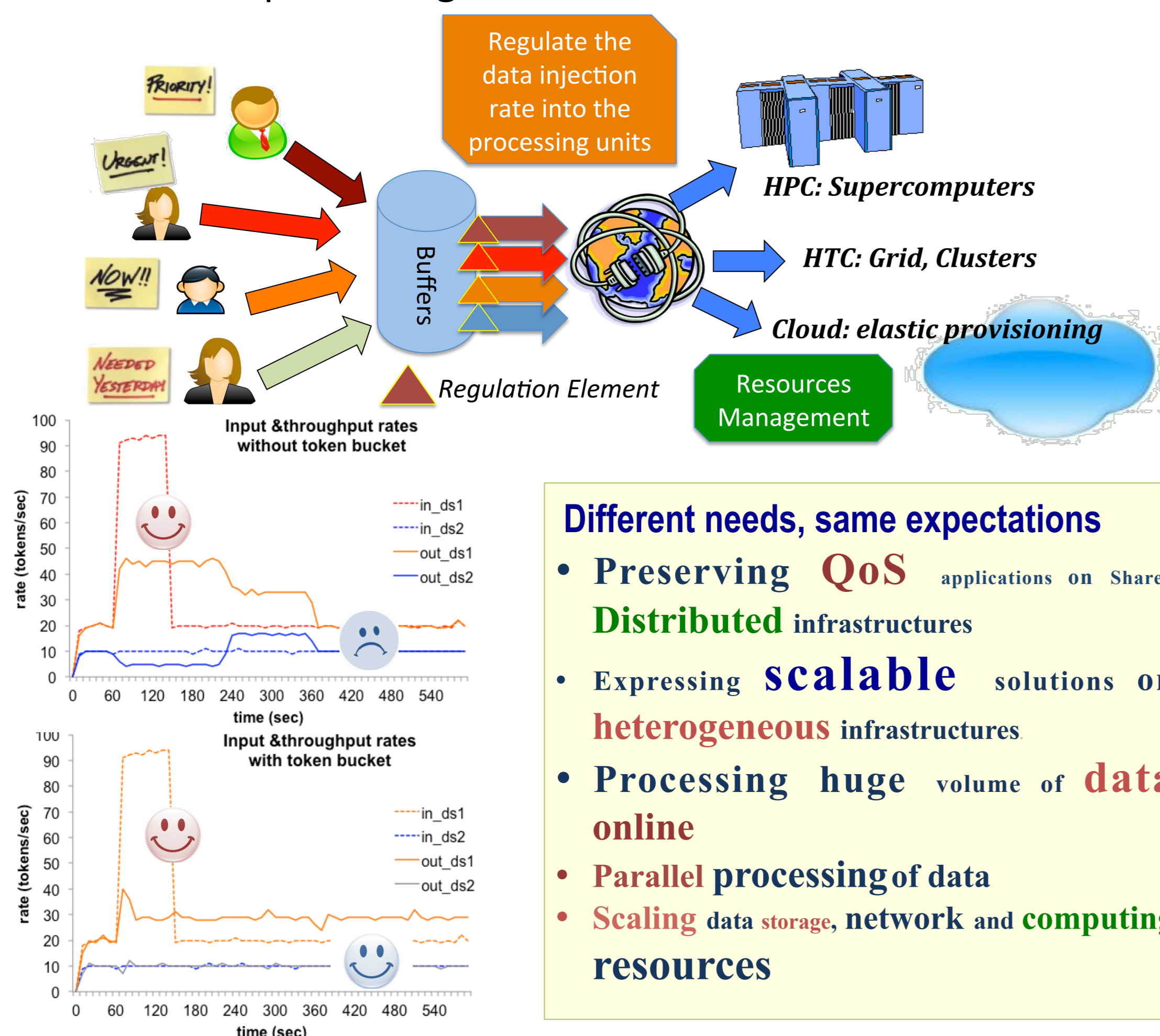
### Social Challenge 4 of H2020 program of EU: "Smart, Green and Integrated Transport"



- **Why go Electric?:** (1) Climate change, air quality (2) Jobs, (3) Foreign oil dependency, and (4) Energy costs
- Traditional Grid become **Smart Grid:** Overlapping of Electrical, Telecommunications and Intelligence infrastructures
- **Uncontrolled** charging of EVs will **overload** the grid
- An **aggregator** is defined as the actor who controls the process of charging an EV
- It involves: **Demand forecast methods, state estimation techniques and real-time monitoring**

### Technical Challenge: "Continuous Data Stream Real Time Processing Applications"

A system for dynamic, on-demand processing of distributed data streams processing



### Approach: "Bridging the gap between formal methods and real problems"

1. **Methodology** for the development of Continuous Data Stream Processing Applications
2. **Executable specification language** across all software architecture levels
3. **Analysis, design and development of a proof of concept**

