

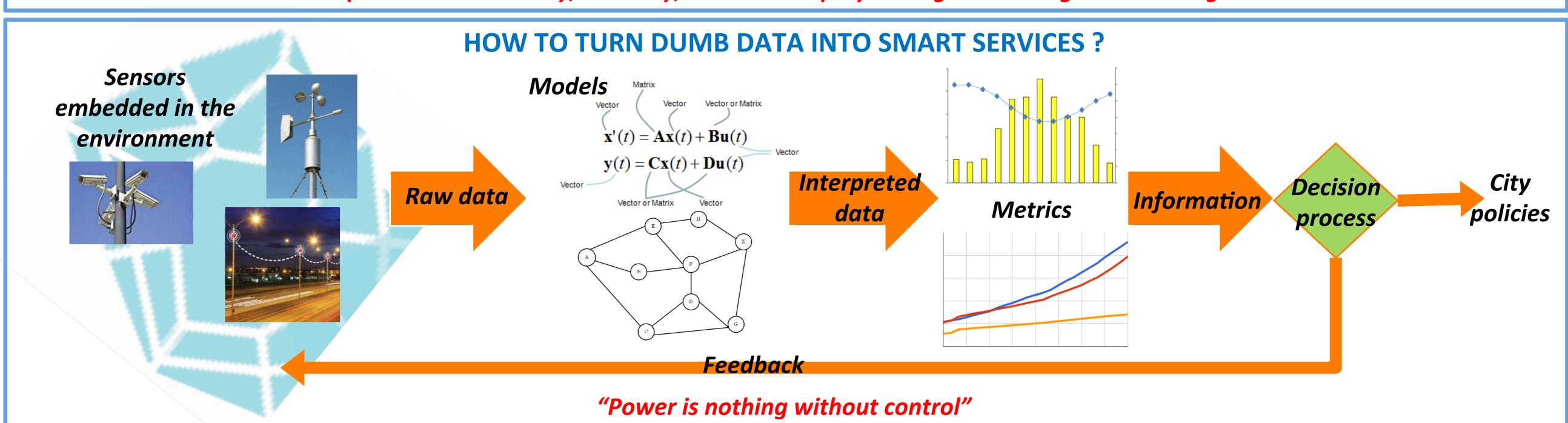
## **PADOVA SMART CITY:** MONITORING SYSTEM DEVELOPMENT AND COMPLEX DATA ANALYSIS FOR ADVANCED INTEGRATED APPLICATIONS



Project Resp.: Alberto Corò, Luciano Gamberini Scientific Resp.: Angelo Cenedese

Research Fellow: Marco Michielan WHAT MAKES A SMART CITY? Aim... ... and structure > A set of *applications and value-added services* for the city Take advantage of modern information and communication > A delivery platform for exploitation of big data of the territory technologies A network of sensors/actuators to collect/act the city data (big data!) make better use of public resources → A basic infrastructure as an enabler for building an intelligent city increase the quality of offered services reduce operational costs of government

"Smart Cities pursue sustainability, livability, and social equity through technological and design innovation"



## **CASE 1 – MONITORING: ENVIROMENTAL MONITORING** Street lamps **Environmental wireless sensor network** Pollution Benzene trends! Fault detection! level Fäir Variance events analysis Rain 7.5 No Rain quantity 5.0

