Wide-area watching of cities using privete LoRa

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In this study we discuss techniques to watch a city using one of the LPWA (Low Power Wide Area) networks. Herein we develop a set of device (transmitter and receiver) of privete LoRa. Deployment of hundreds of sensors in a city will collect a wide-area parameters in the city, such as temperature, humidity, wind velocity, and water level in a river. The deteced data are in real time visualized with other global data such as meteorological satellite data and X-band weather radar.

