

# **CPaaS.io: City Platform as a Service – Integrated and Open**

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# Objective: Open Platform for Smart City

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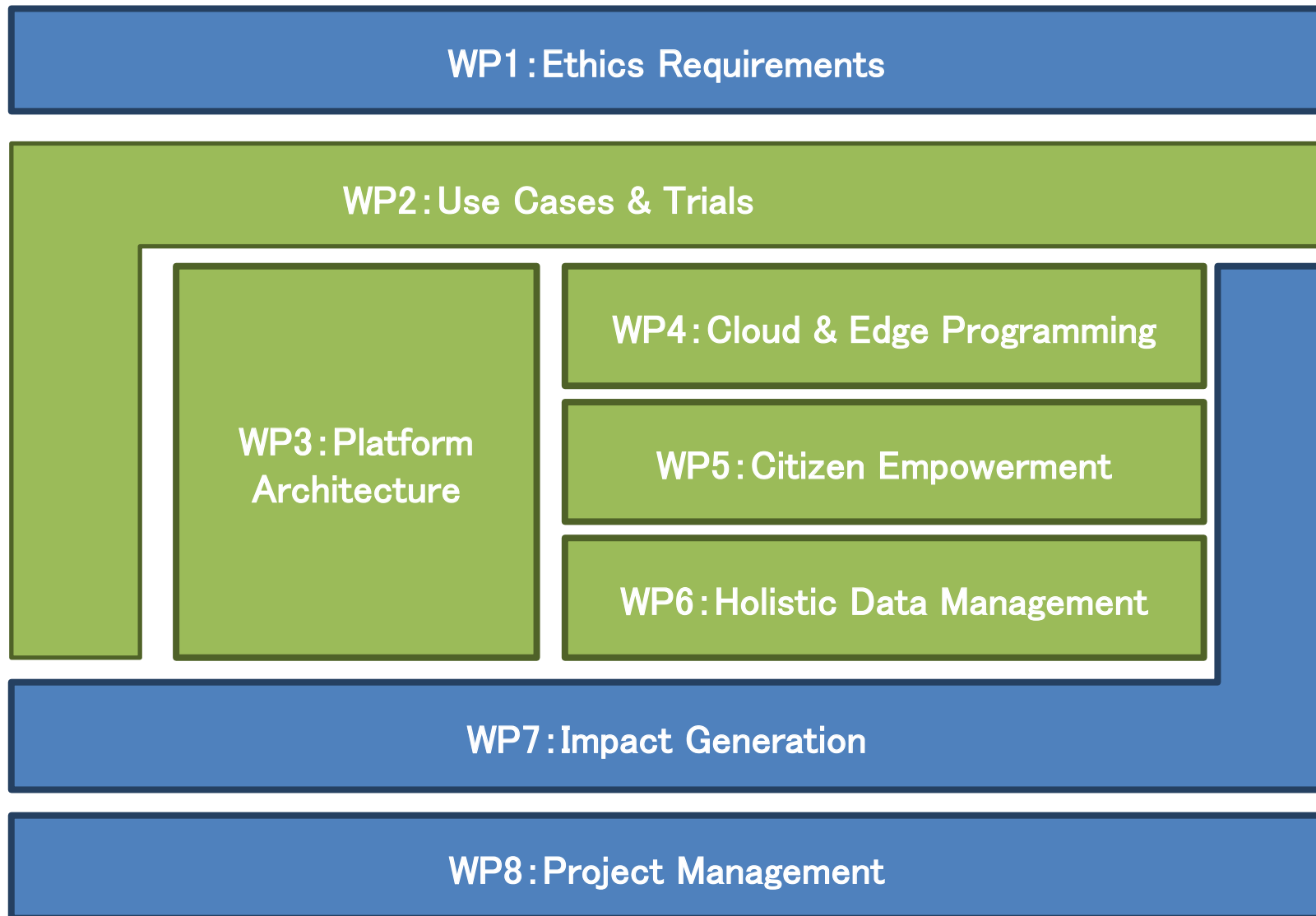
## ■ Functions

- ▶ Collection, linking, analysis of data from various sources, and extraction of important information
  - ✧ sensor data, open government data, social media data, ...
- ▶ Flexible access control to realize business logic
- ▶ Dissemination of real-time data (such as IoT data) as open data
  - ✧ Facilities to reduce cost of data provider, such as API, data cleaning, ...
- ▶ Micro service: Light-weight parallel processing

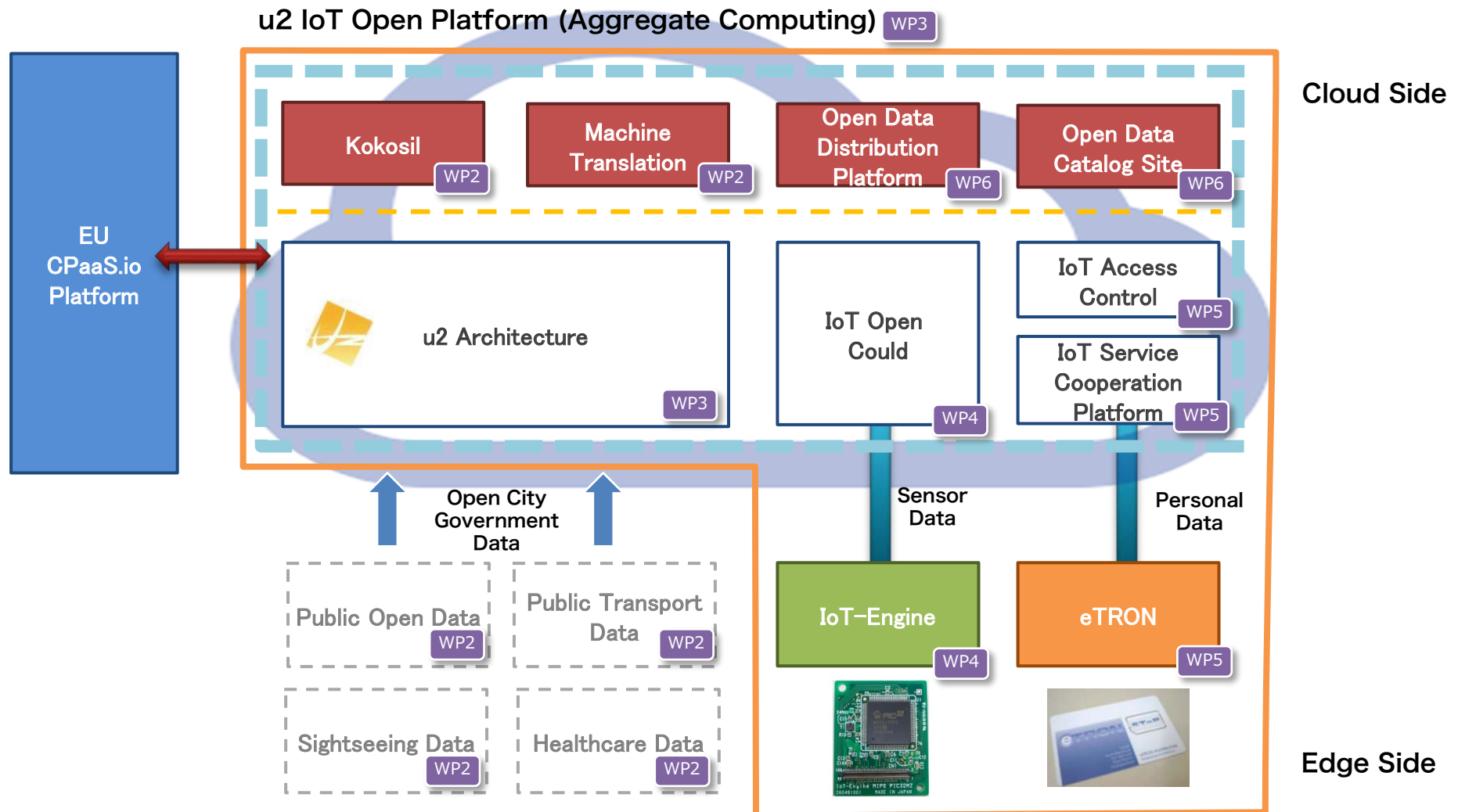
## ■ Popularization

- ▶ Establishment of the platform as basic platform for IoT service coordination/federation
- ▶ Establishment of the platform as platform for vitalizing local economy organization by clever use of data

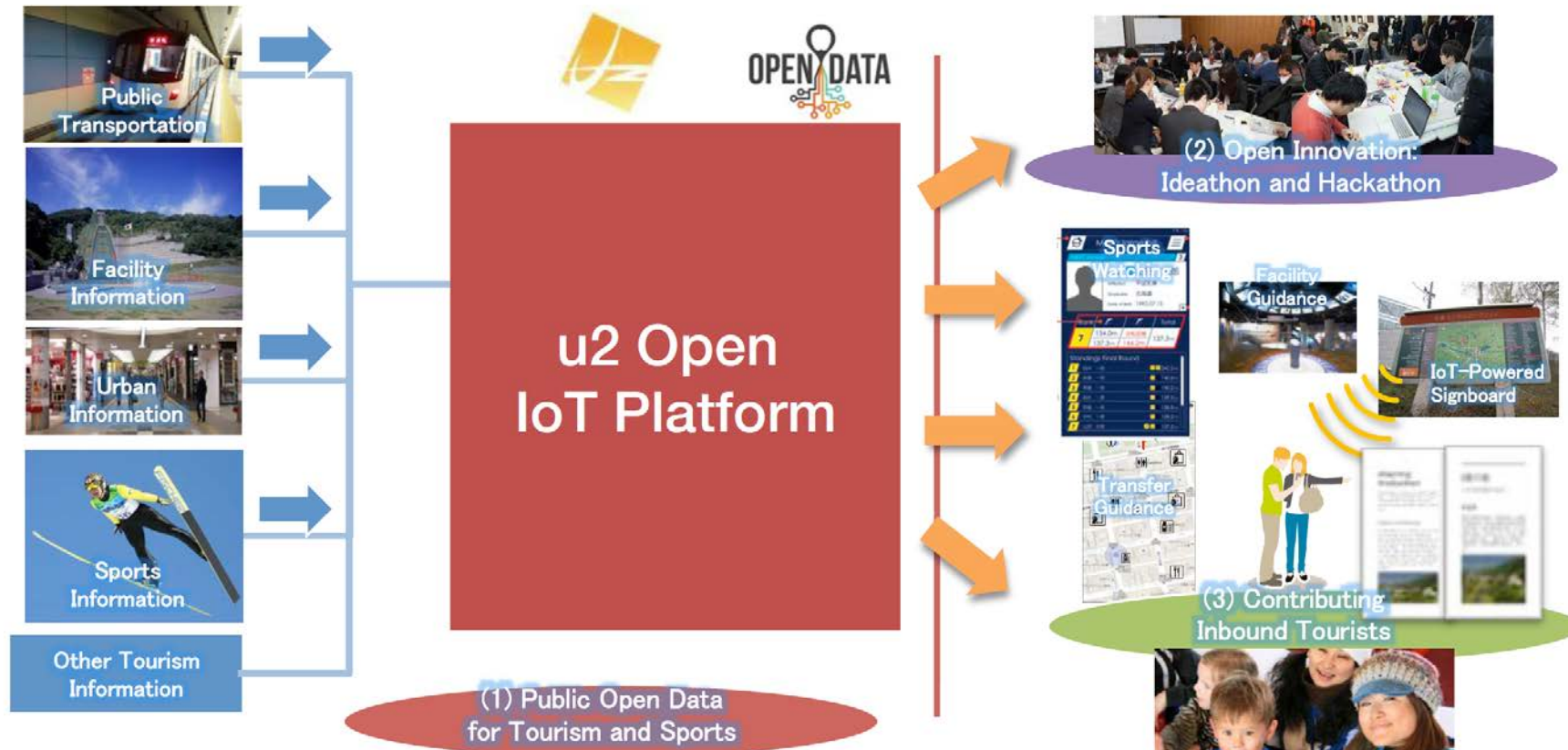
# Work Packages of This Project



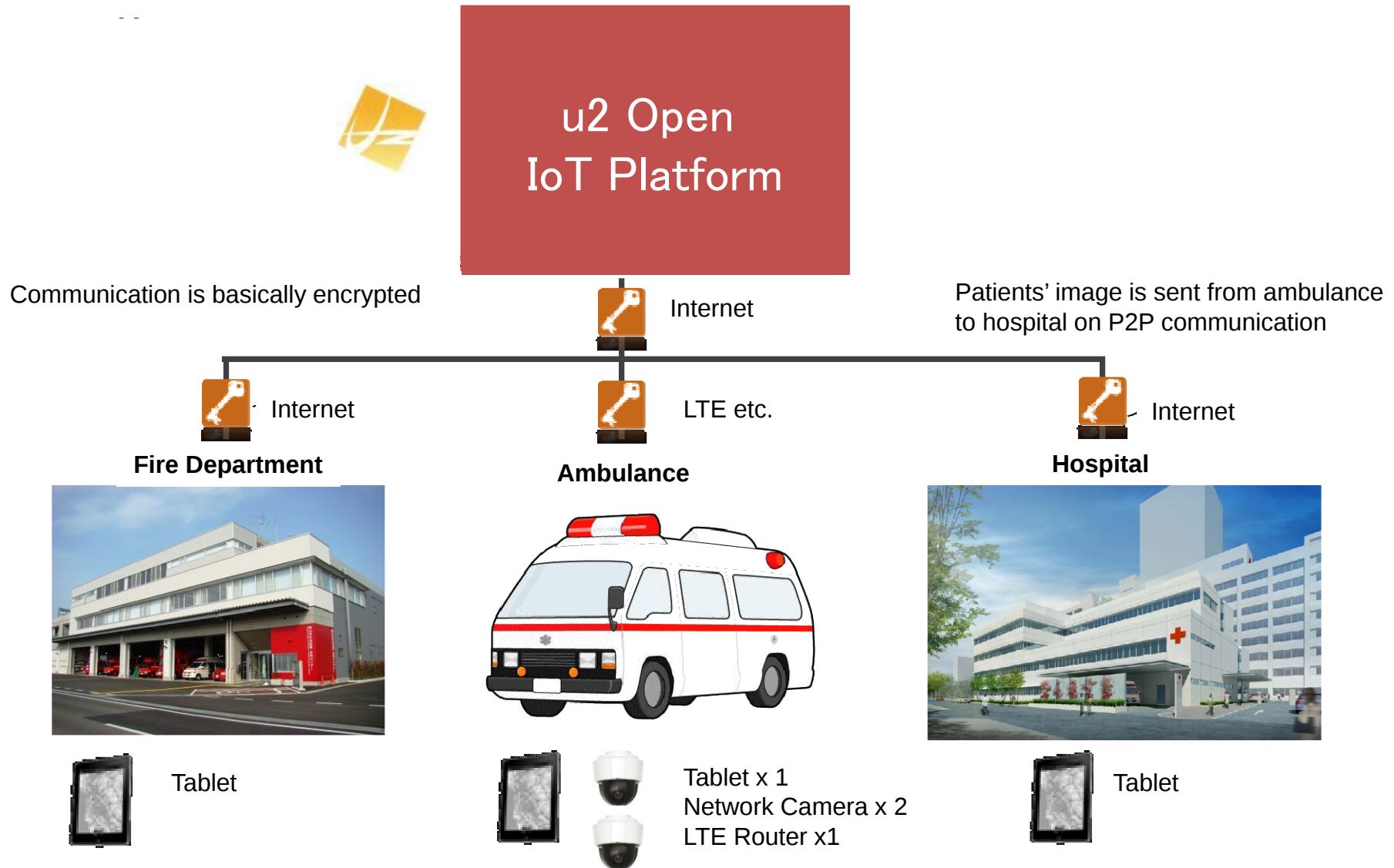
# Goal: IoT Open Platform



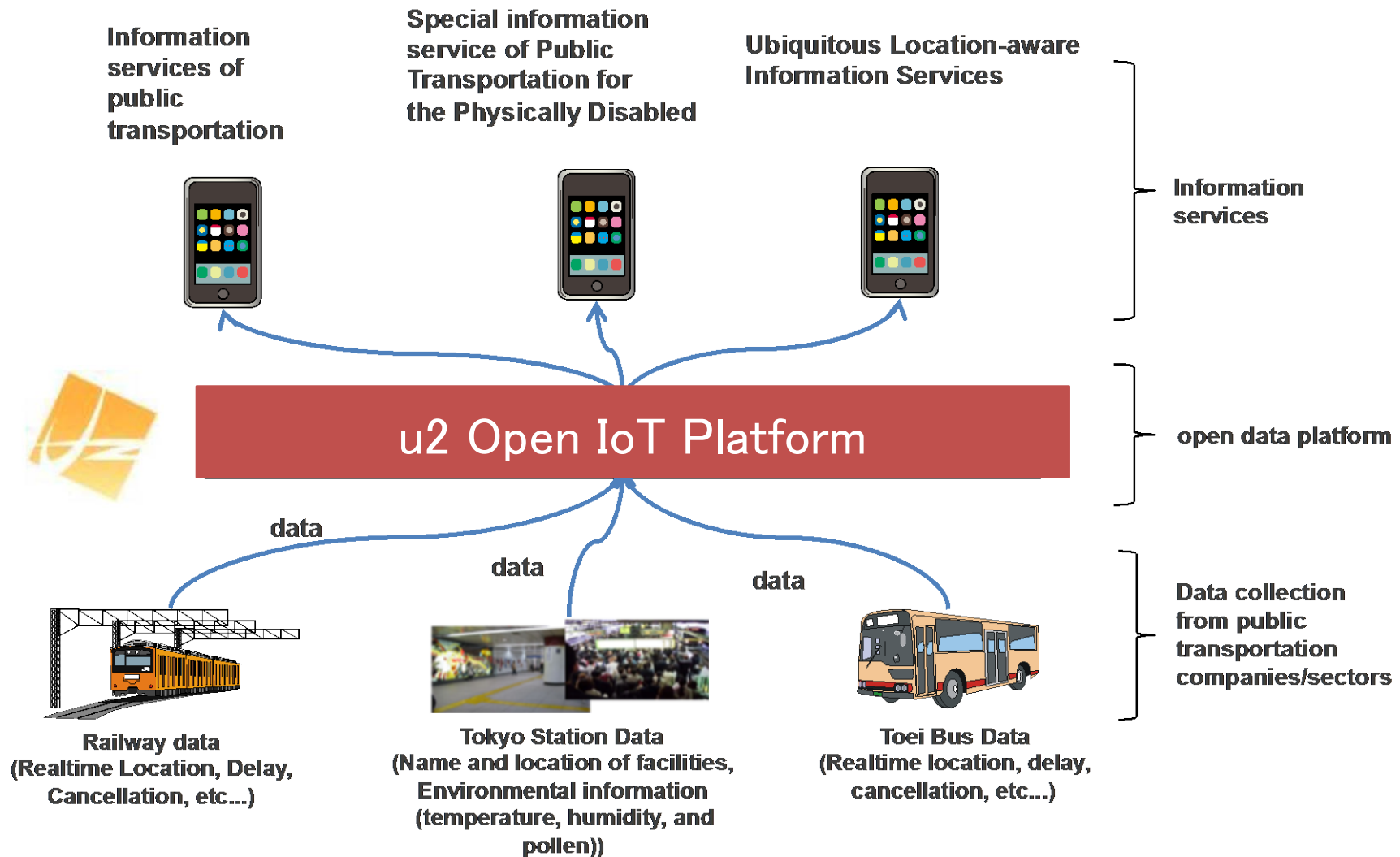
# Experiment #1: Sapporo Asian Winter Games / Sapporo Snow Festival



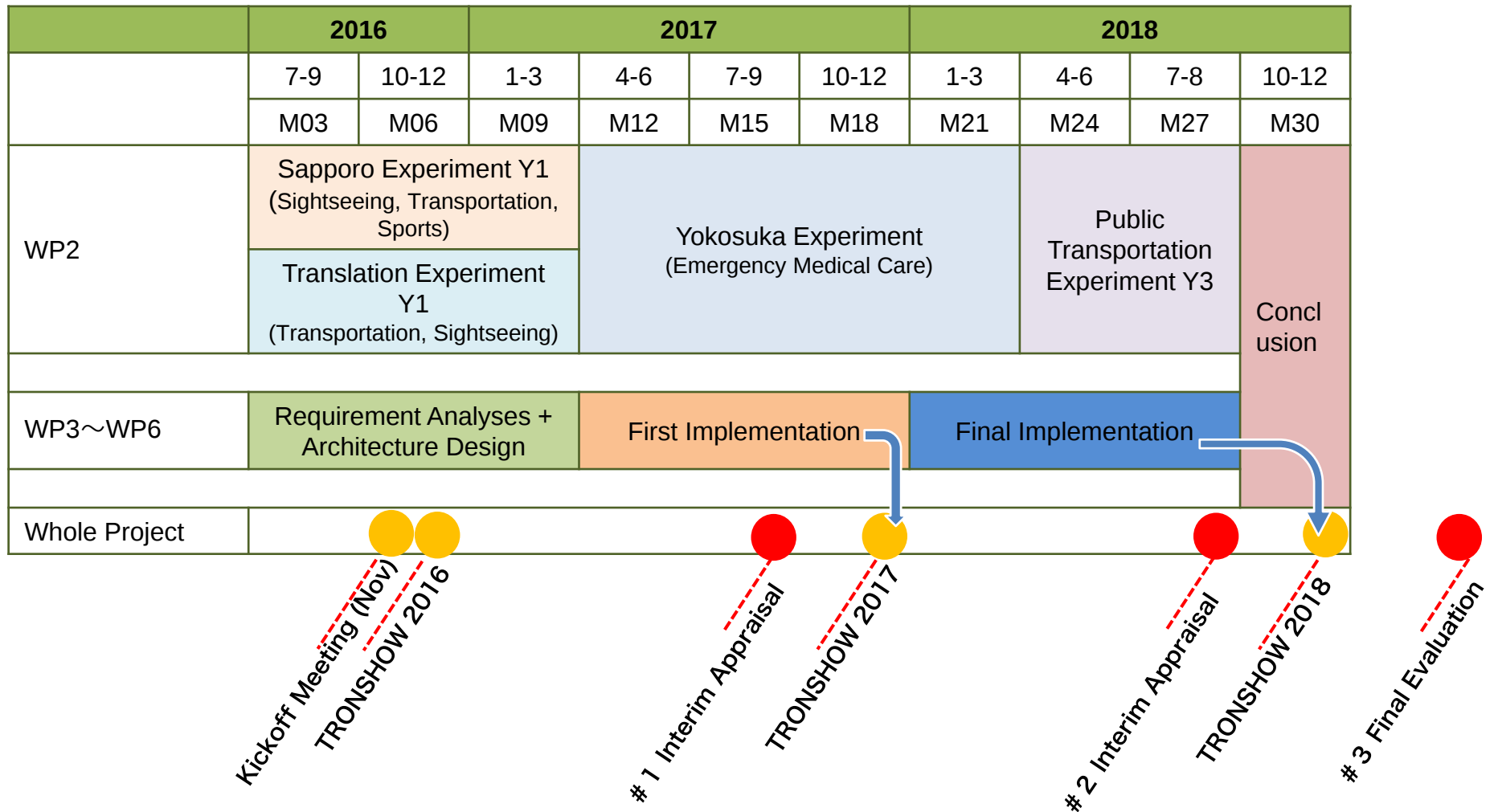
# Experiment #2: Emergency Medical Care @ Yokosukae



# Experiment #3: Public Transport @ Tokyo



# Schedule





# Deployment Plan of Project Results

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- Establishment of an all-in-one package to build smart city
  - ▶ Offering CPaaS.io package compatible with various programming models between clouds and edges
  - ▶ This package provides various elements to realize smart city and makes application development easy
  
- Promotion and deployment in cooperation with IoT communities, open data communities, industry, governments, ...
  
- Contribution to 2020 Tokyo
  - ▶ Public transportation, sightseeing, sports, support of physically challenged, ...

# Deployment Plan of Project Results

- Dissemination and promotion via papers, lectures, and symposiums
- Demonstration at TRONSHOW, TRON Symposium
  - ▶ Held in each December ( 14<sup>th</sup> – 16<sup>th</sup> December, 2016 )
  - ▶ Co-sponsored by IEEE Consumer Electronics Society
  - ▶ Number of participants each year: 3,000 people /day x 3 days

