# City platform

***Horizon 2020***

## Smart Cities & Communities Info Day

**#H2020SCC1**

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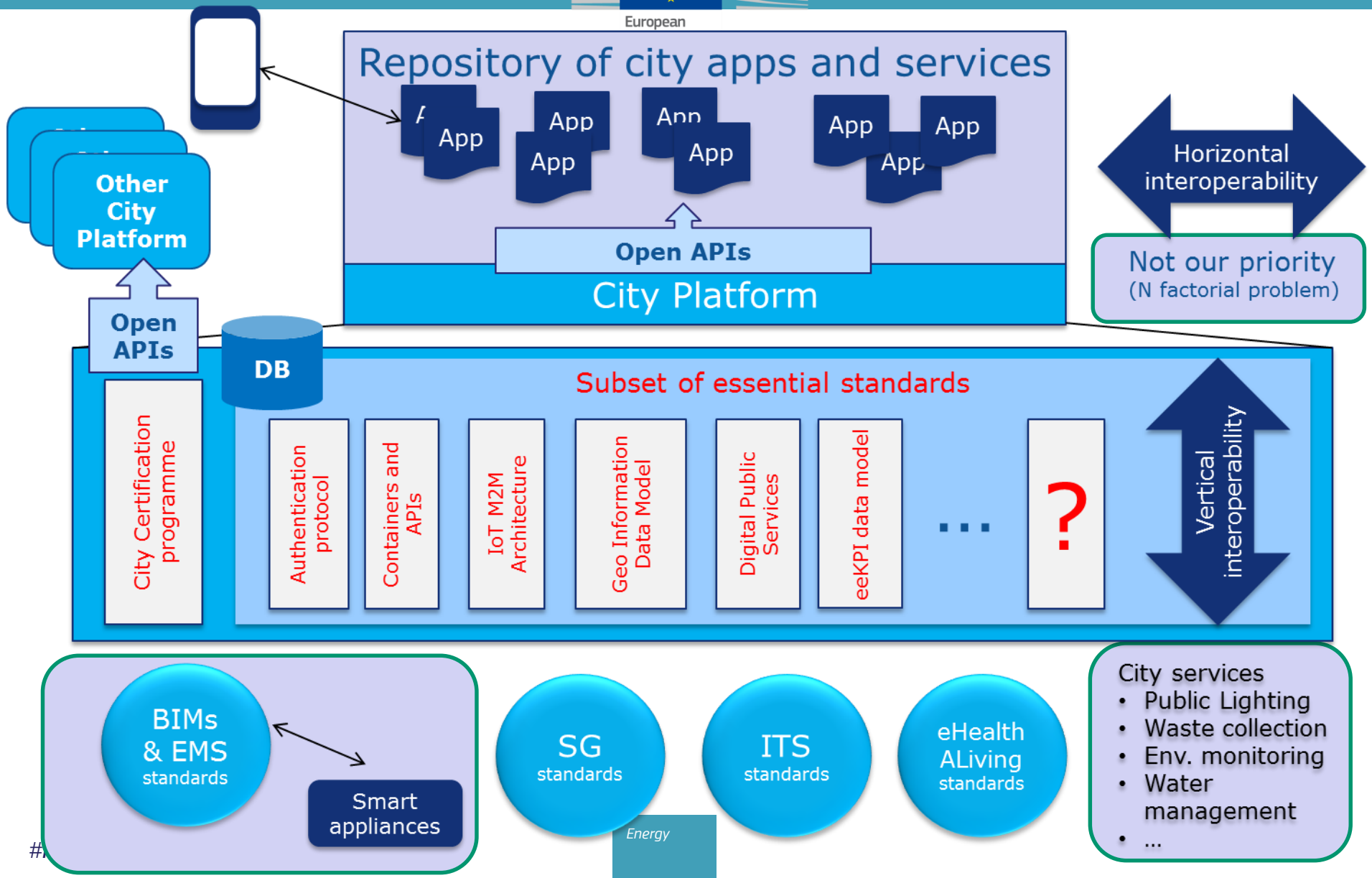
# Platform

- **Avoids vendor lock-in**
- **Allows the easy reuse (adaptation) of applications and services from city to city**
- **Vertical interoperability between the sectors and the applications/services**
- **Cross-domain applications/services – aggregate the silos**
- **Replicability/scalability**
- **Cities should build their services on top of a platform**

# General vision



# State of play

- **Industry developed platforms – traditionally closed and proprietary**
- **Experimental platforms**
- **Some cities (big and mid-size ones) developed their own platforms (and try to "export" them)**
- **Open well defined interfaces (APIs) down (sectors, sensors) and up (apps, services)**
- **Stakeholders working towards finding mutually beneficial way forward**

# The call text

- **Specific challenge**
  - **Demonstrate latest generation ICT platforms** based on **open specifications**.
- **Scope**
  - **At least "very near-to-market"** (**TRL 7** and more) - *no experimental platforms*
  - **Latest generation ICT and low carbon ICT** systems
  - **Interoperability** between SW modules to allow effective management of components and **information flows**.
  - **Urban ICT platforms** must be based on **open specifications**, including **data structures** and **application program interfaces (API)** and cater for **data and cyber security, privacy and confidentiality**.

# Where to look

- **Urban platform within the European Innovation Partnership on Smart Cities and Communities**

- **Previous lighthouse projects**
- **Standards organisations to develop the needed standards**

**In proposal text describe the architecture of the platform/ICT solution in graphical and textual format**

# Links

- **EIP SCC Platforms: https://eu-smartcities.eu/urban-platforms**
- **Letter of Intent: https://eu-smartcities.eu/sites/all/files/Urban Platform LoI_AC.pdf**
- **MoU on urban platforms https://eu-smartcities.eu/sites/all/files/Memorandum of Understanding on Urban Platforms_0.pdf**
- **H2020 Espresso: http://espresso.ru.uni-kl.de/**

European Commission

# Questions?

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