Cyber-Physical Architecture for the Sustainable Built Environment

[Toward human centric cyber physical system]

Social Cooperation Programs
Cyber-Physical Architecture for the Sustainable Built Environment

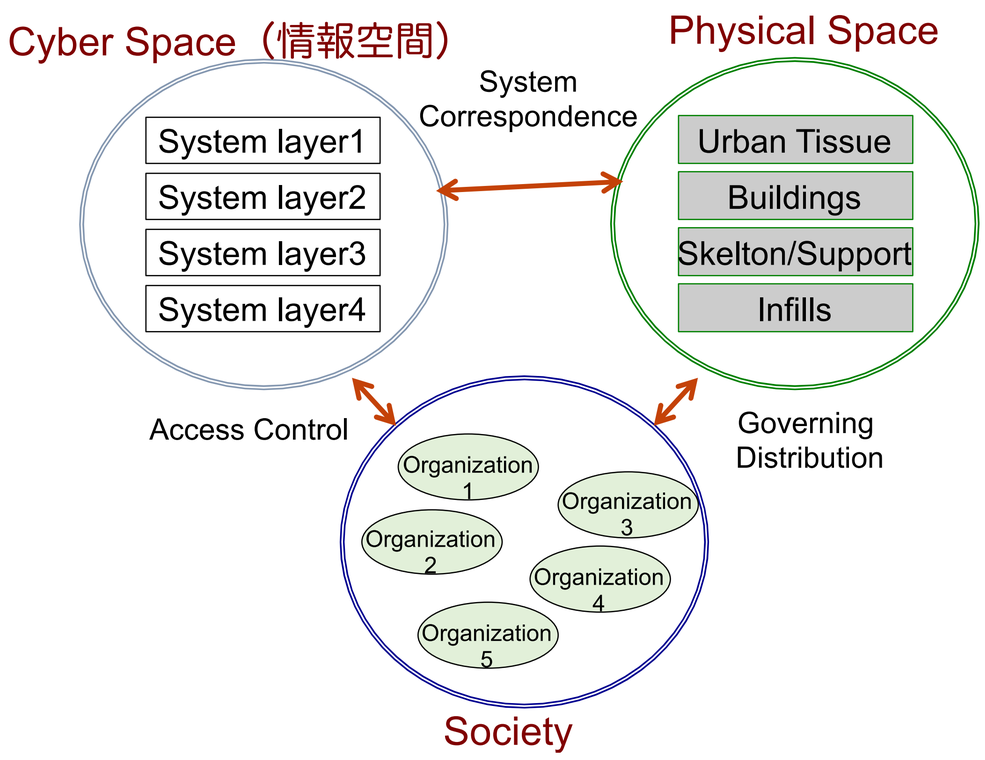
Integrated solution based on digitalization of the built environment including BIM and IoT

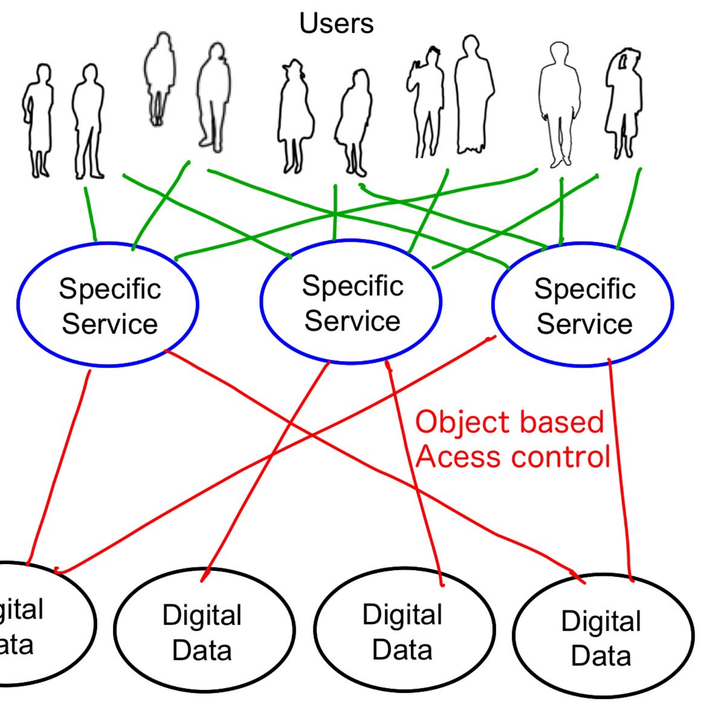
The program is based on the cognition that the built environment is composed of society, physical space and cyber space. It aims to design and create the architecture to define the interconnection between society and cyber-physical system (CPS) that enhances the sustainability of the built environment.

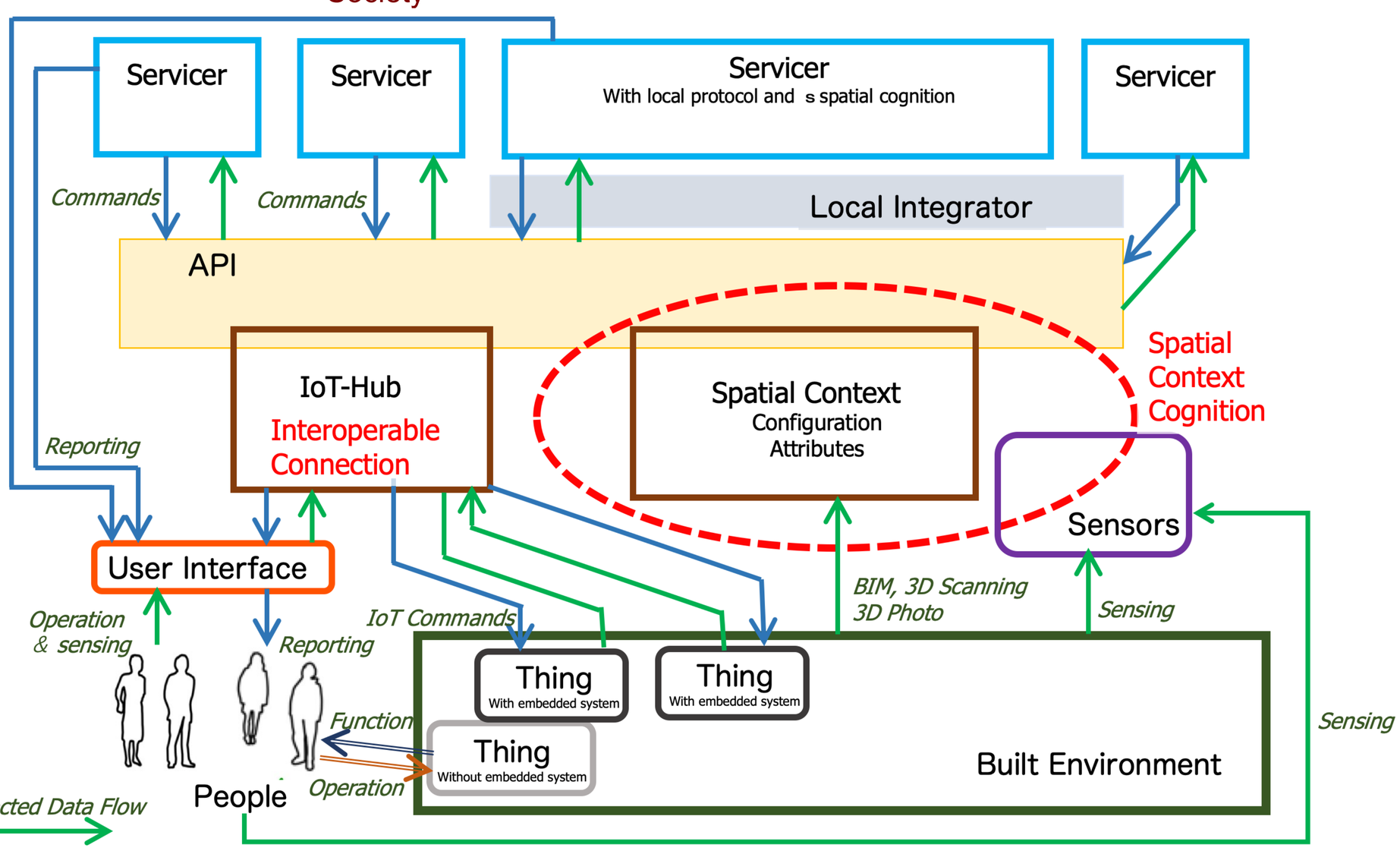
(The program is facilitated by Tomonari Yashiro Laboratory)

Principles that the architecture of CPS for the built environment shall comply

1. Citizens and participating organization could have fair access to the information and the benefits generated by CPS.
2. New entrants are welcomed as drivers to build and operate the locally customized CPS
3. Privacy of citizens is strictly protected, while citizens are assured the freedom to use or not to use the CPS based services (i.e. IoT based service).
4. Varieties of CPS services can be interoperated to adapt to the social, economic, cultural, technological and business context







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