

ESPRESSO -

A syst**E**mic **S**tandardisation ap**P**roach to **E**mpower **S**mart
citi**E**s and c**O**mmunities



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Reference persons: Bart De Lathouwer, Coordinator



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ESPRESSO and The Urban Platform

ESPRESSO and European Innovation Partnership for Smart Cities and Communities

The Urban Platform as an enabler for *Smart* Smart City initiatives, based on open standards, avoiding vendor lock-in and increased competition

Connect, Collect, Comprehend, Create

ESPRESSO has on board:

4 Standard Developing Organisations: DIN, ETSI, OGC, bSI

2 Cities: Rotterdam and Tartu

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ESPRESSO and The Urban Platform

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- Capability Map
- Information Systems Architecture

Based on :

- **Open Standards**, Market & vendor agnostic
 - Open Standards create Markets
- **No prescription of solutions nor technologies**
- **Modular**, Incrementally achievable
- Capability and layered based

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- Capability Map
- **Information Systems Architecture**

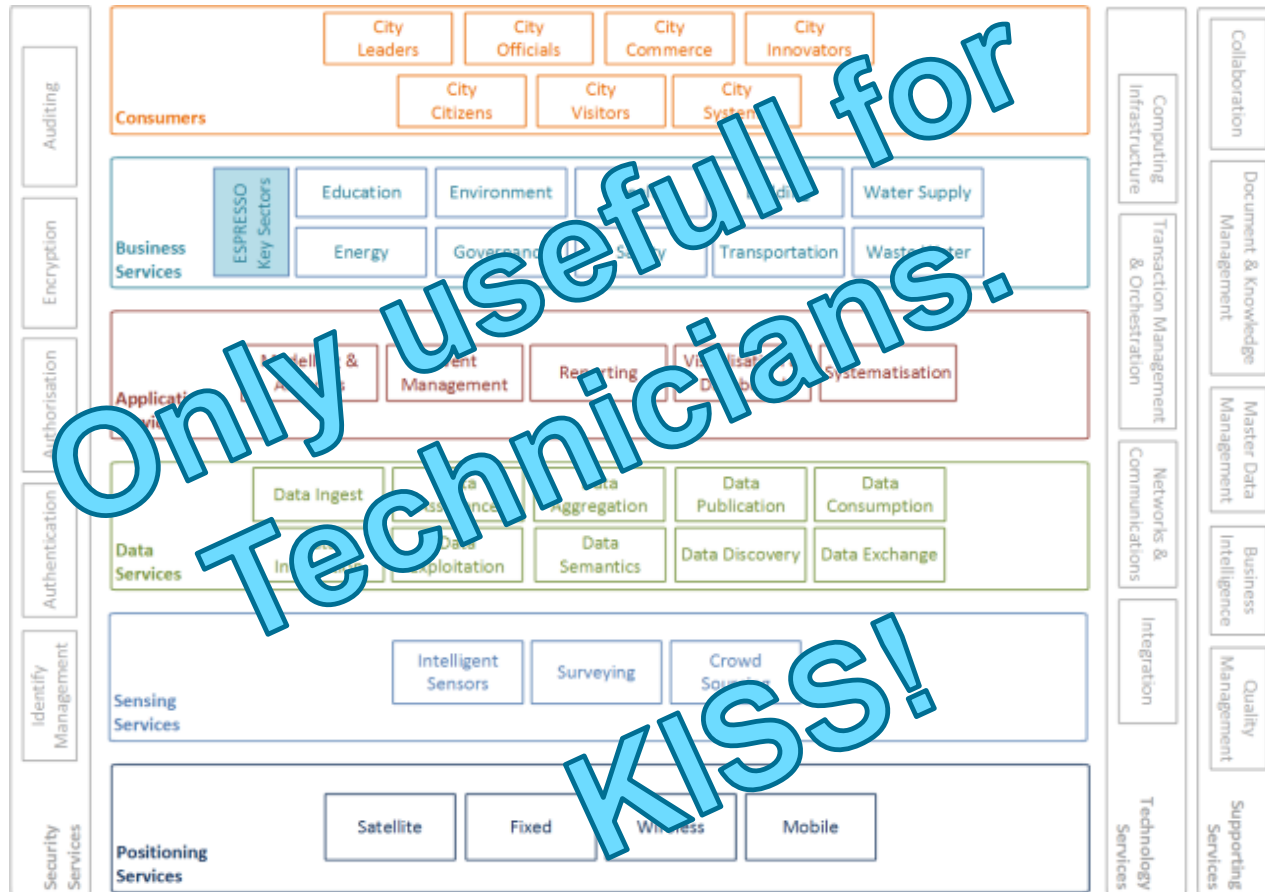
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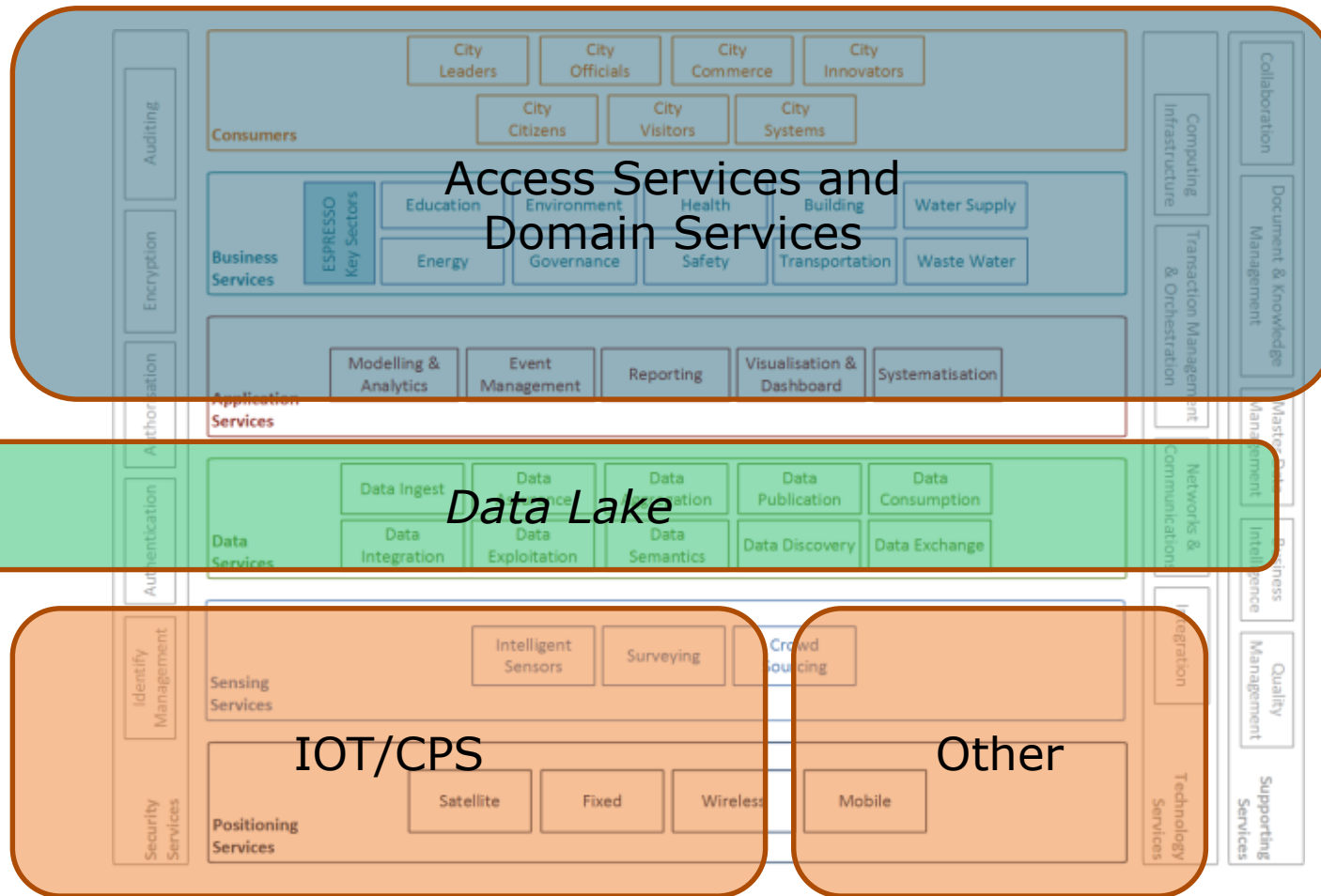
Information Systems Architecture (the complex hamburger slide)



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Information Systems Architecture

The Minimal approach*



Appl Zone

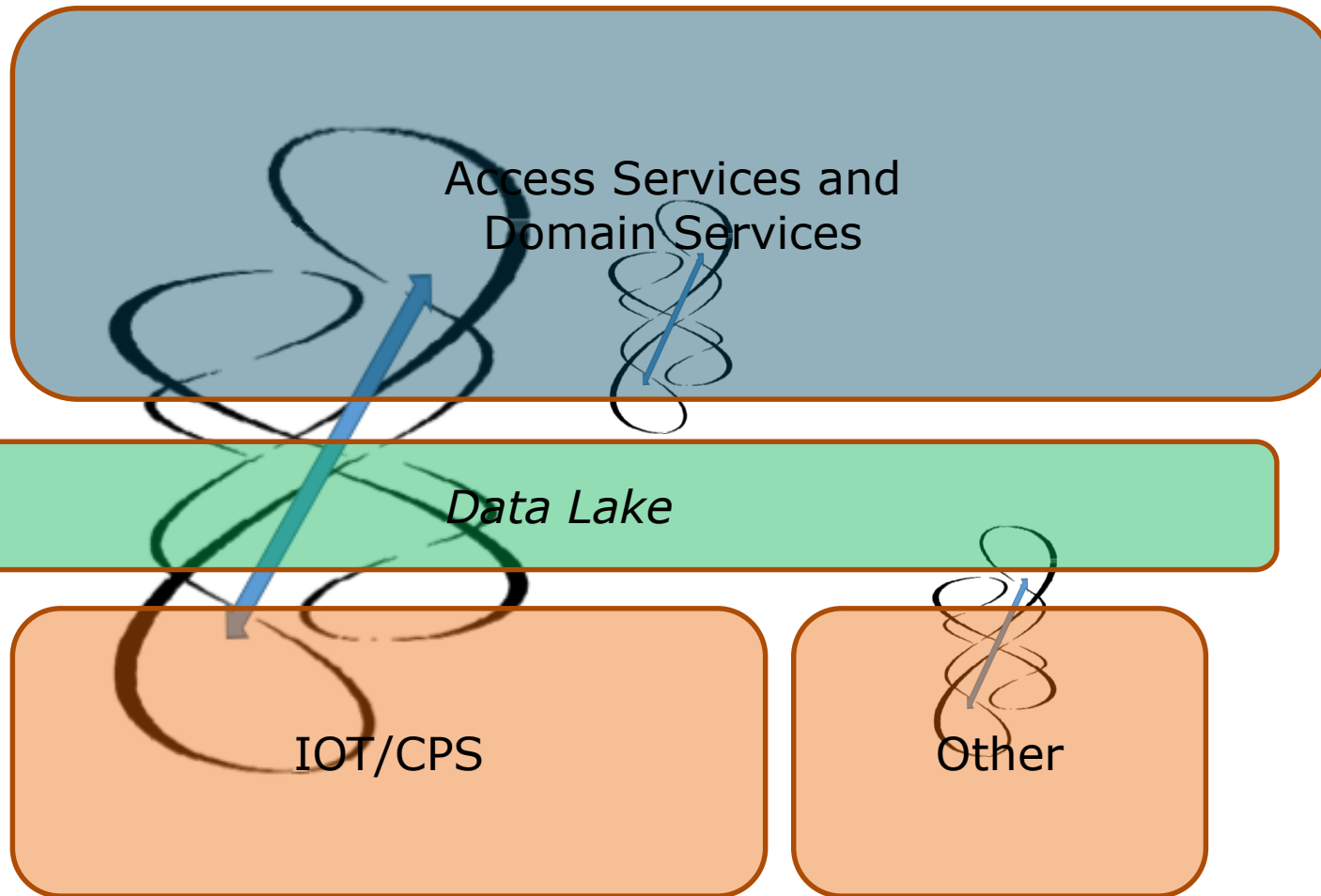
Data Zone

Device Zone

* MIM, OASC

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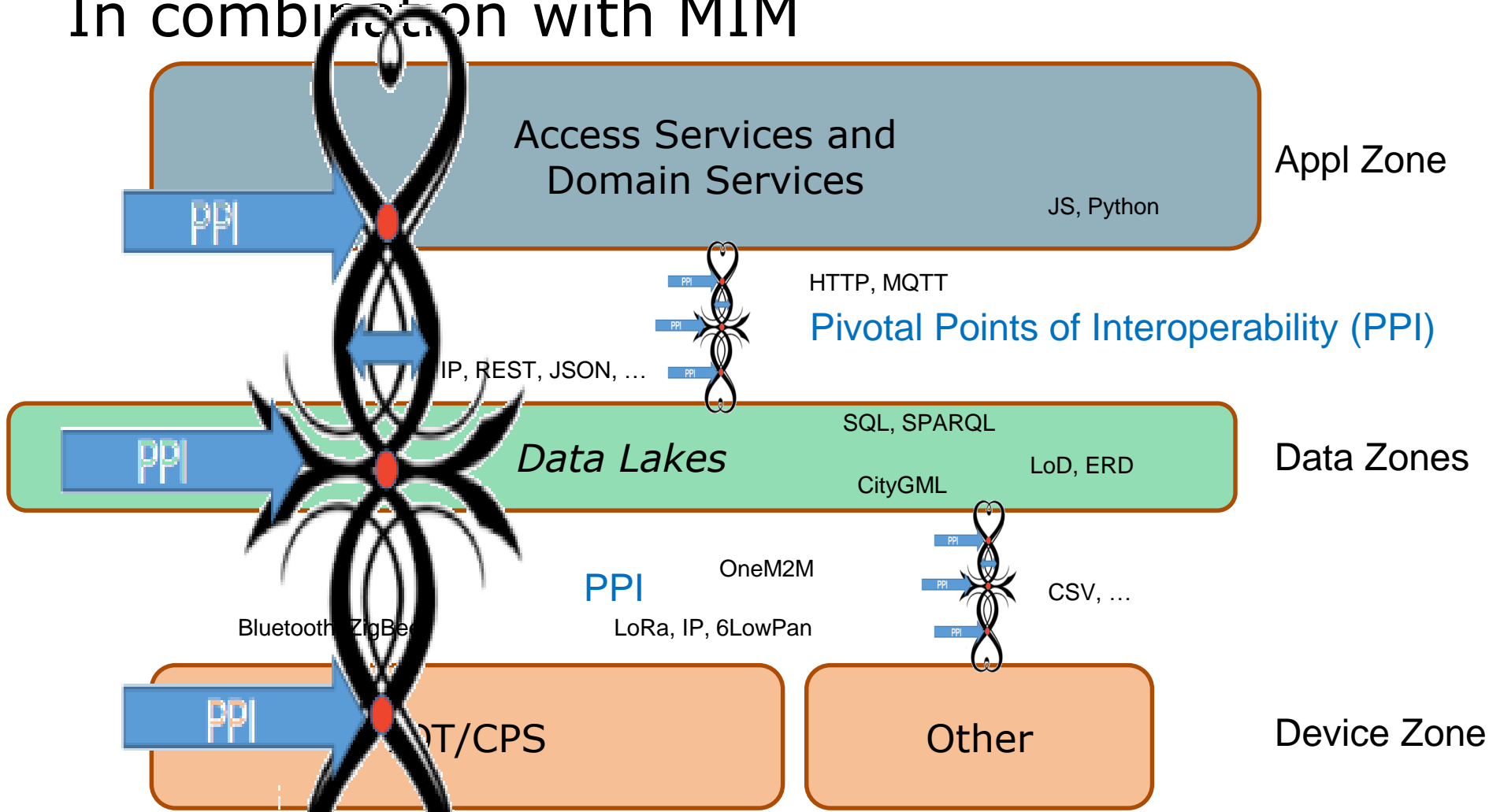
Seeking Interoperability, +16000 standards identified



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Pivotal Points of Interoperability (PPI*)

In combination with MIM



* Martin Burns, NIST