



**ECTIL – 2014**  
**Architecture**

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Cooperative  
Systems



M2M



Cloud Services



# Reference Architecture



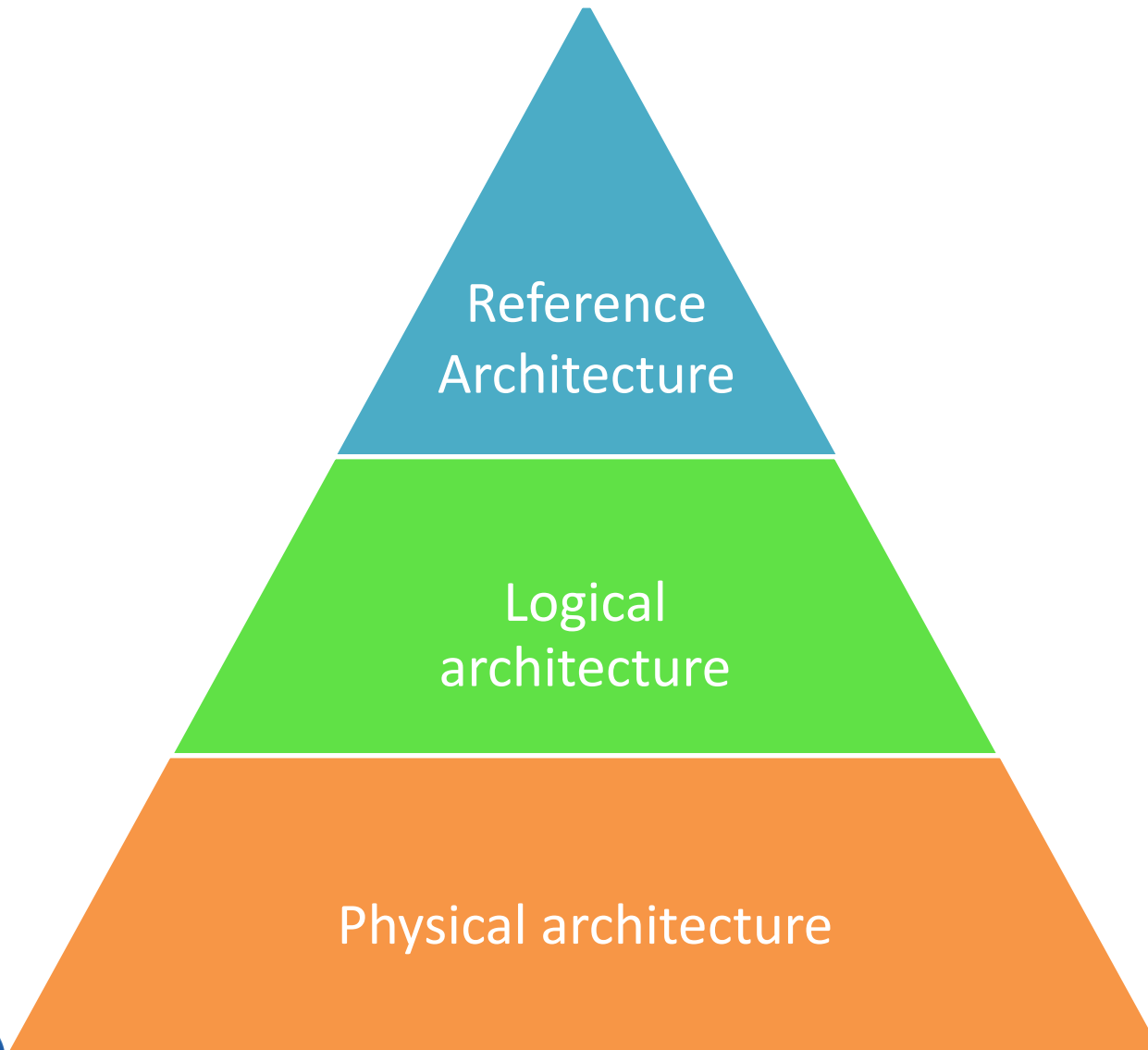
- Co-gistics architecture
  - Cloud architecture
  - Basic infrastructure to support all pilots
    - Core Basic Infrastructure
    - Core Business services
    - Local Business services
  - Vertical and uniform support for communications from Sensors to Logistics Applications levels
    - Static + Dynamic Data
  - It should be possible to link services to entities (ITS systems, sensors, logistics applications...)



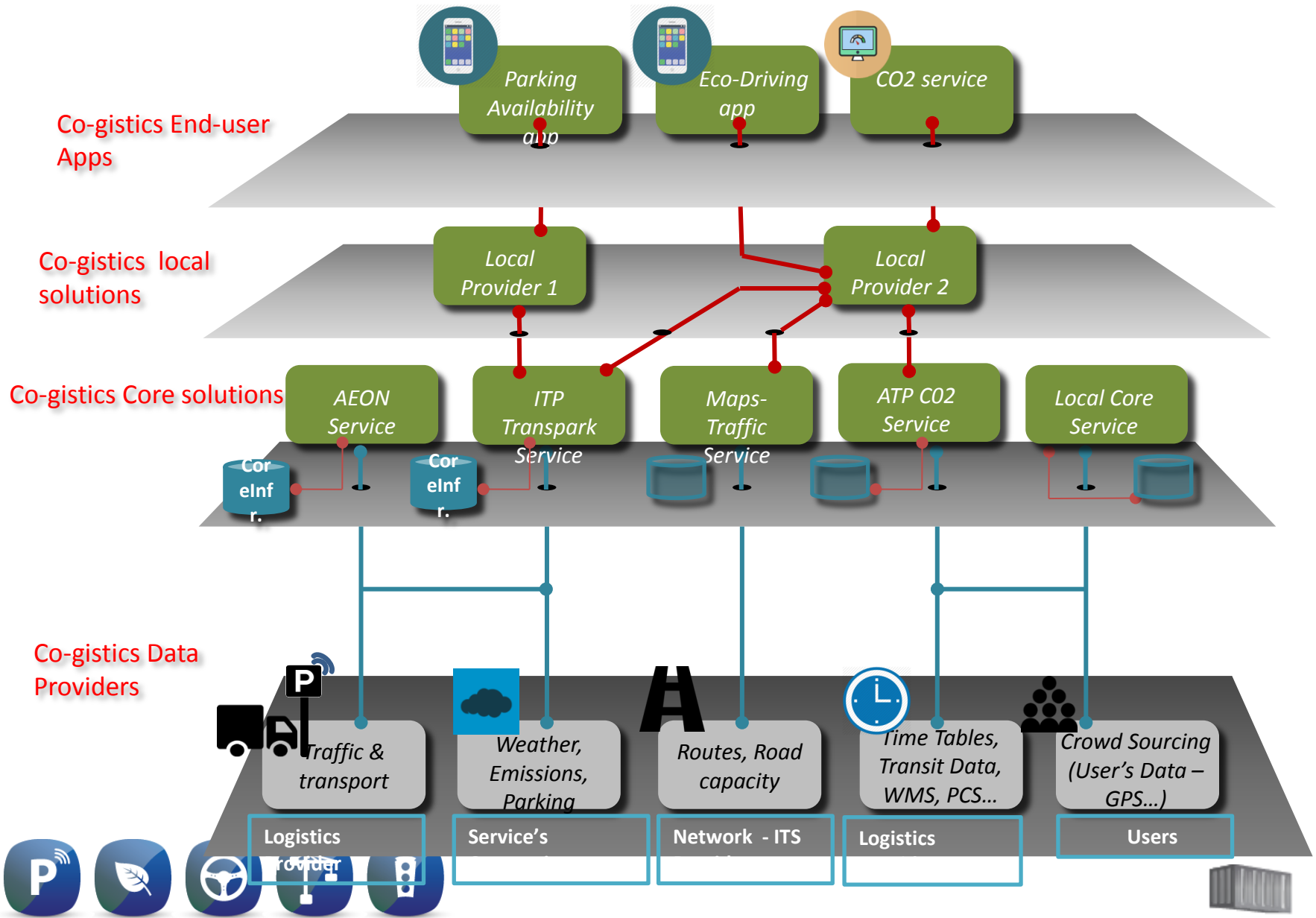
Pilot site Services	Arad	Bilbao	Bordeaux	Frankfurt	Thessaloniki	Trieste	Vigo
ITP/DAM	X	X		X		X	X
Priority & Speed advice	X (speed advice)		X		X	X (speed advice)	X
Eco-drive support	X			X	X	X	X
CO2 footprint estimation and monitoring	X	X	X	X	X	X	X
Multimodal cargo			X			X	



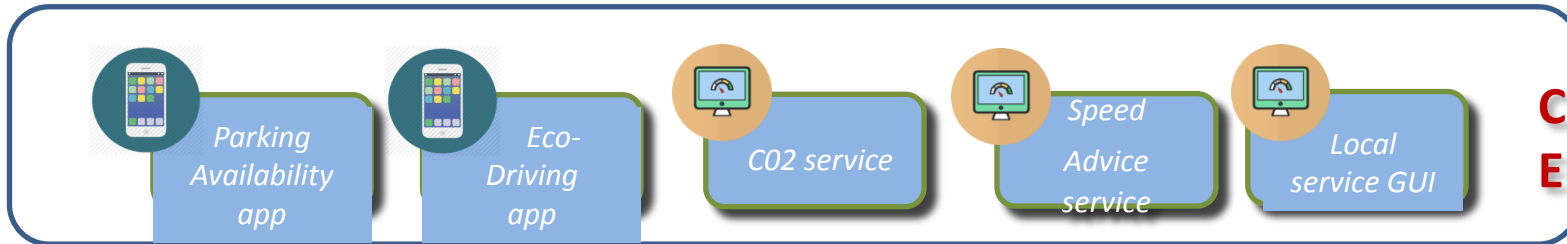
# Reference architecture



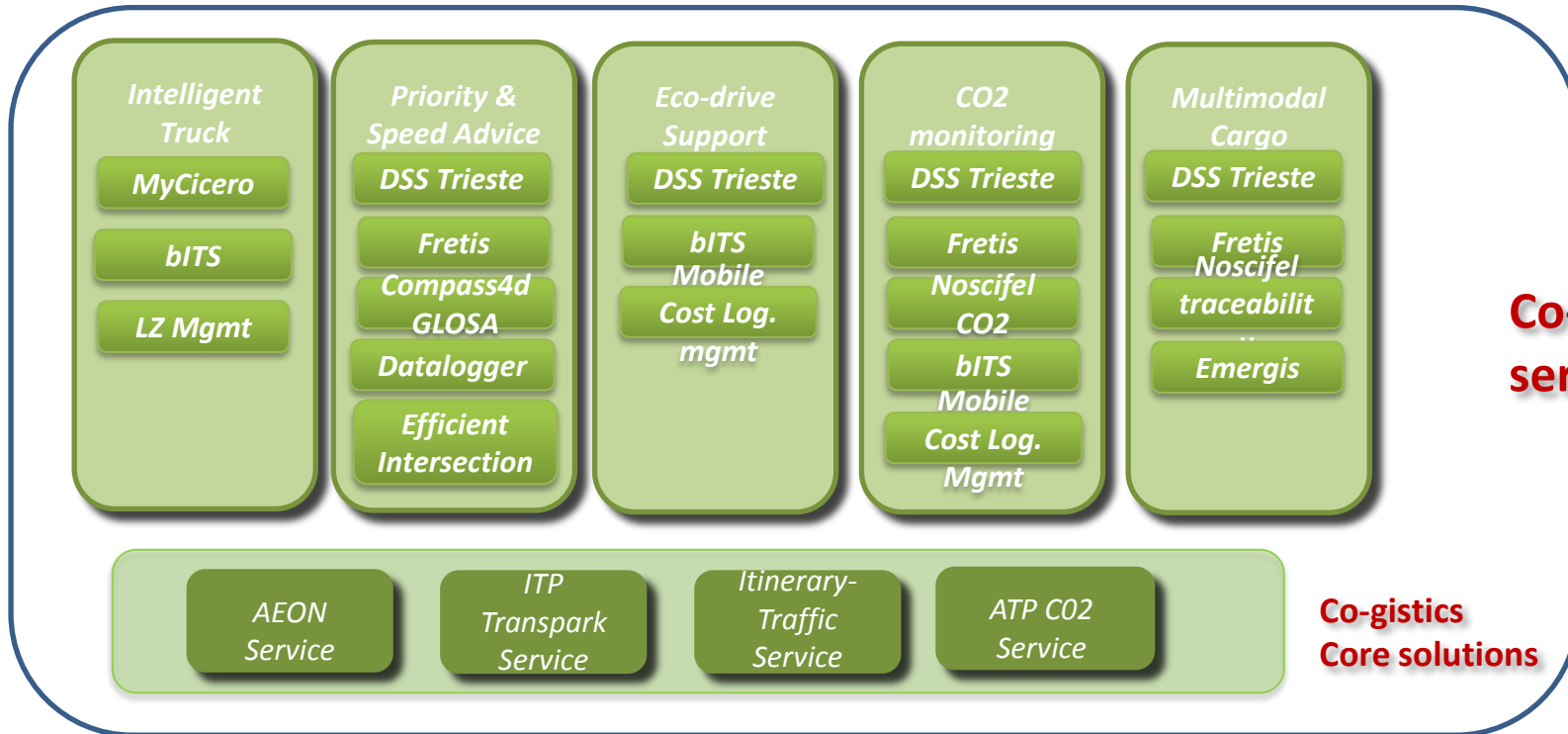
# Reference architecture



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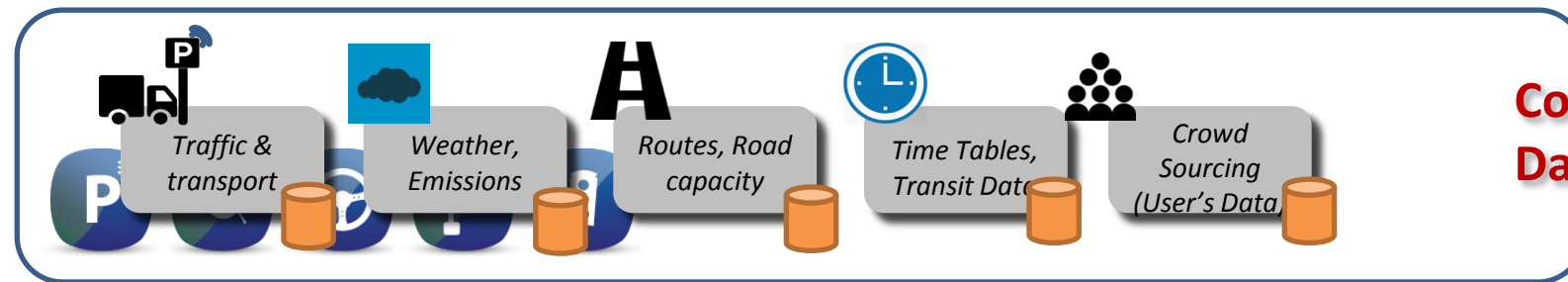


**Co-gistics  
End-user Apps**



**Co-gistics  
services**

**Co-gistics  
Core solutions**

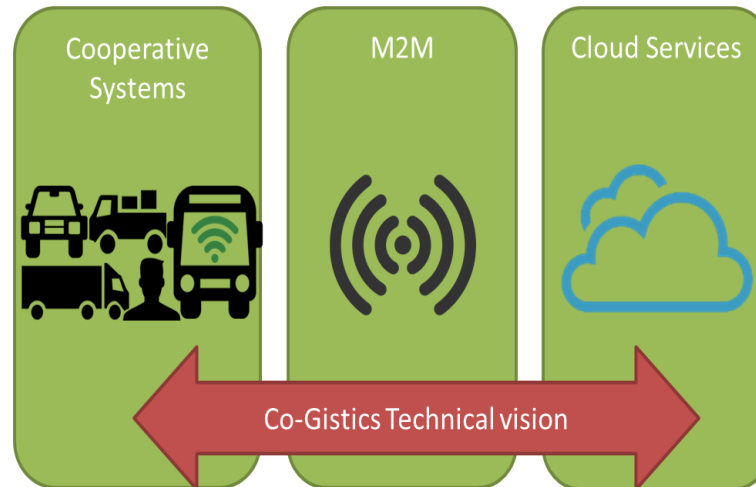


**Co-gistics  
Data Providers**



# Conclusions

- The challenge is optimize the the goods management based on the link of cooperative systems and logistics systems
- The reference architecture is defined around



to define a consolidated and cloud-oriented infrastructure





# COLOGISTICS

Thank you for your attention!

