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Chair, Living-in.EU Tech Subgroup

Co-chair EU “Local Digital Twins” TG, UN U4SSC City Platforms

Chair, Danish Standards Committee on SSCC (ISO/TC 268, ITU/SG 20)

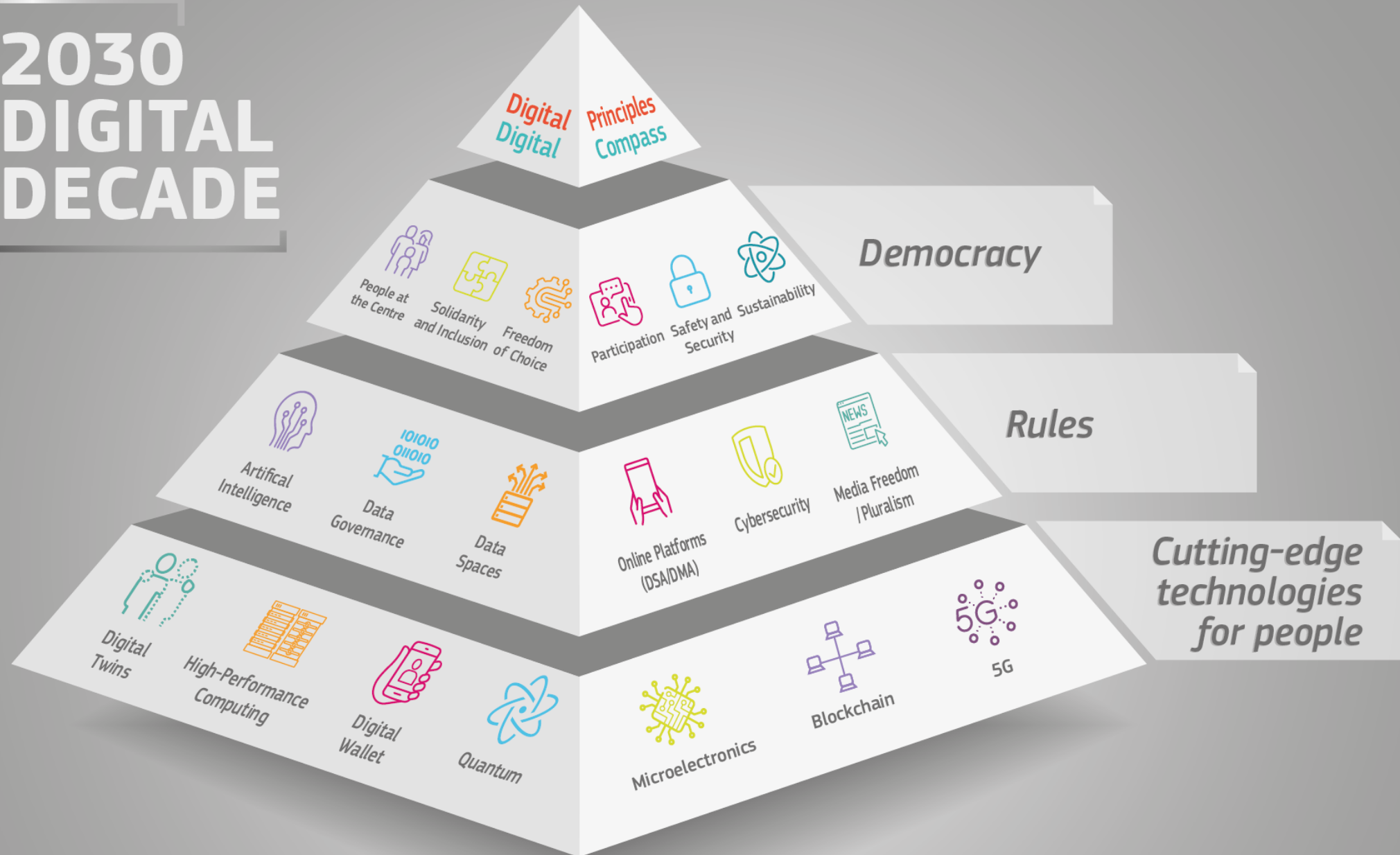
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2030 DIGITAL DECADE

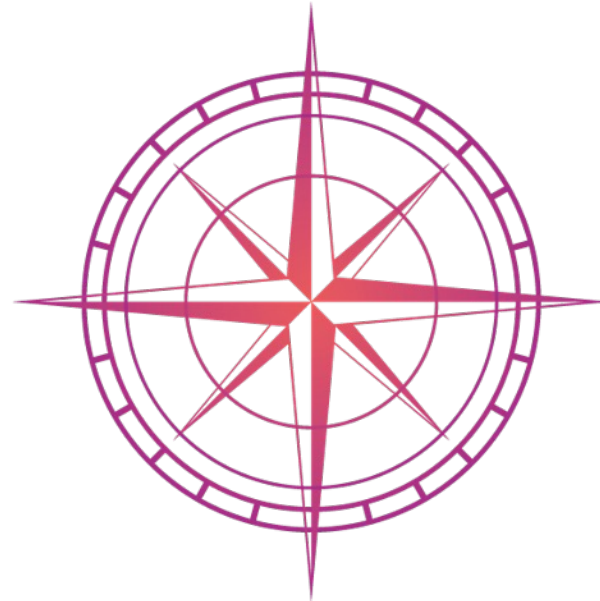


Skills

20 million employed **ICT specialists**, more
graduates + gender balance
80% of adults can **use tech** for everyday tasks

Government

Key Public Services - 100% online
Everyone can **access health records online**
Everyone can use **eID**



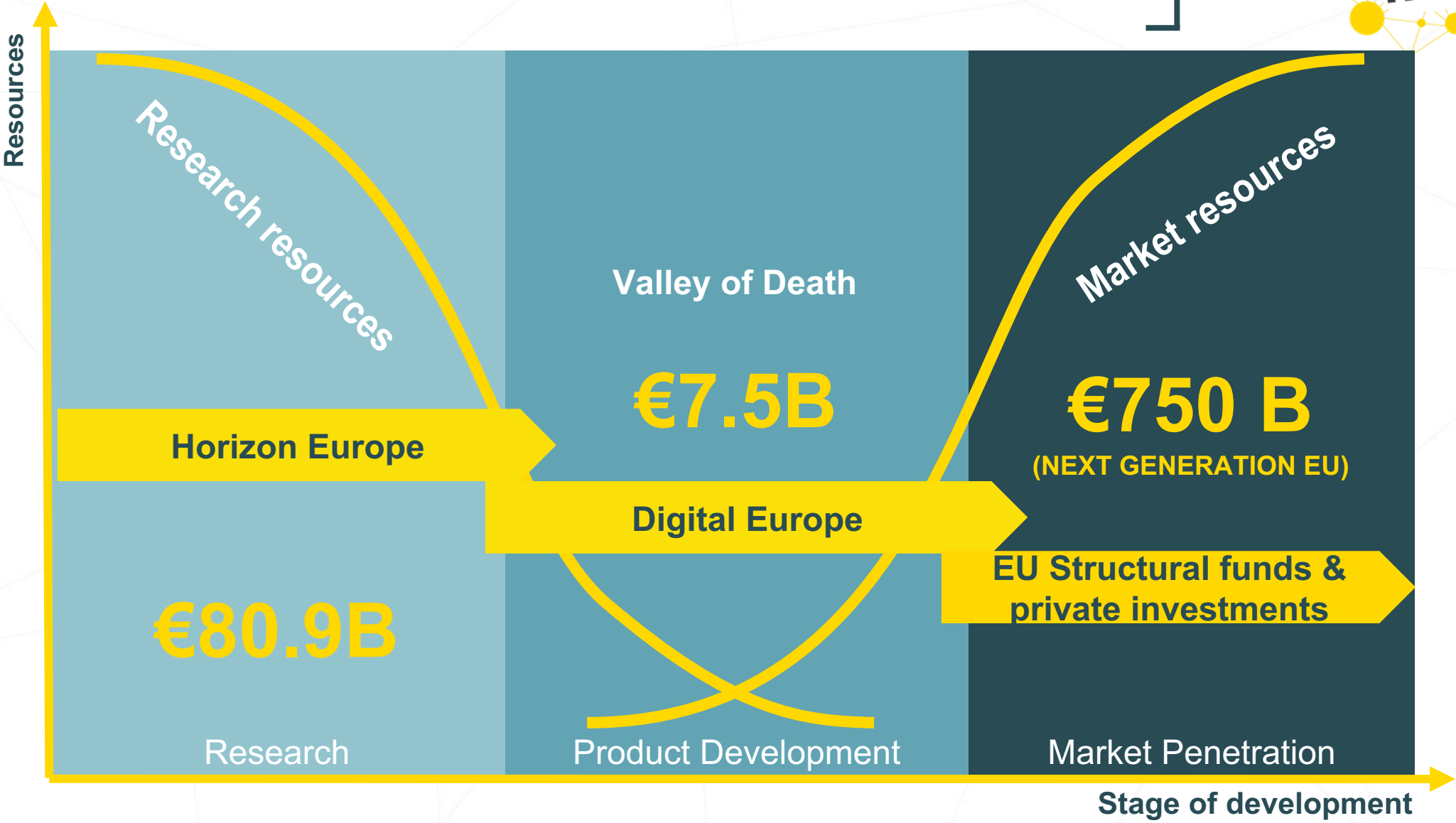
Infrastructure

Gigabit connectivity for everyone, **high-speed mobile coverage** (at least 5G) everywhere
EU produces 20% of world's **semiconductors**
10 000 **cloud edge nodes** = fast data access
EU **quantum computing** by 2025

Business

75% of companies using **Cloud, AI or Big Data**
Double the number of **unicorn startups**
90% of **SMEs taking up tech**

[ROLE OF HORIZON EUROPE AND DIGITAL EUROPE]



Projects (selected)

CitCom.ai (40m€/5 years) **DEP**

- AI & Robotics Testing and Experimentation Facility for Smart Cities and Communities – TEF DK is for all Danish stakeholders

DS4SSCC.eu (1m€/1 year + 33,3m€/3 years) **DEP**

- Data Space for Smart Communities blueprint + deployment

CommuniCity (5m€/3 year) **HEU**

- 100 AI-pilots – open calls

DESIRE (5m€/2 år) **HEU**

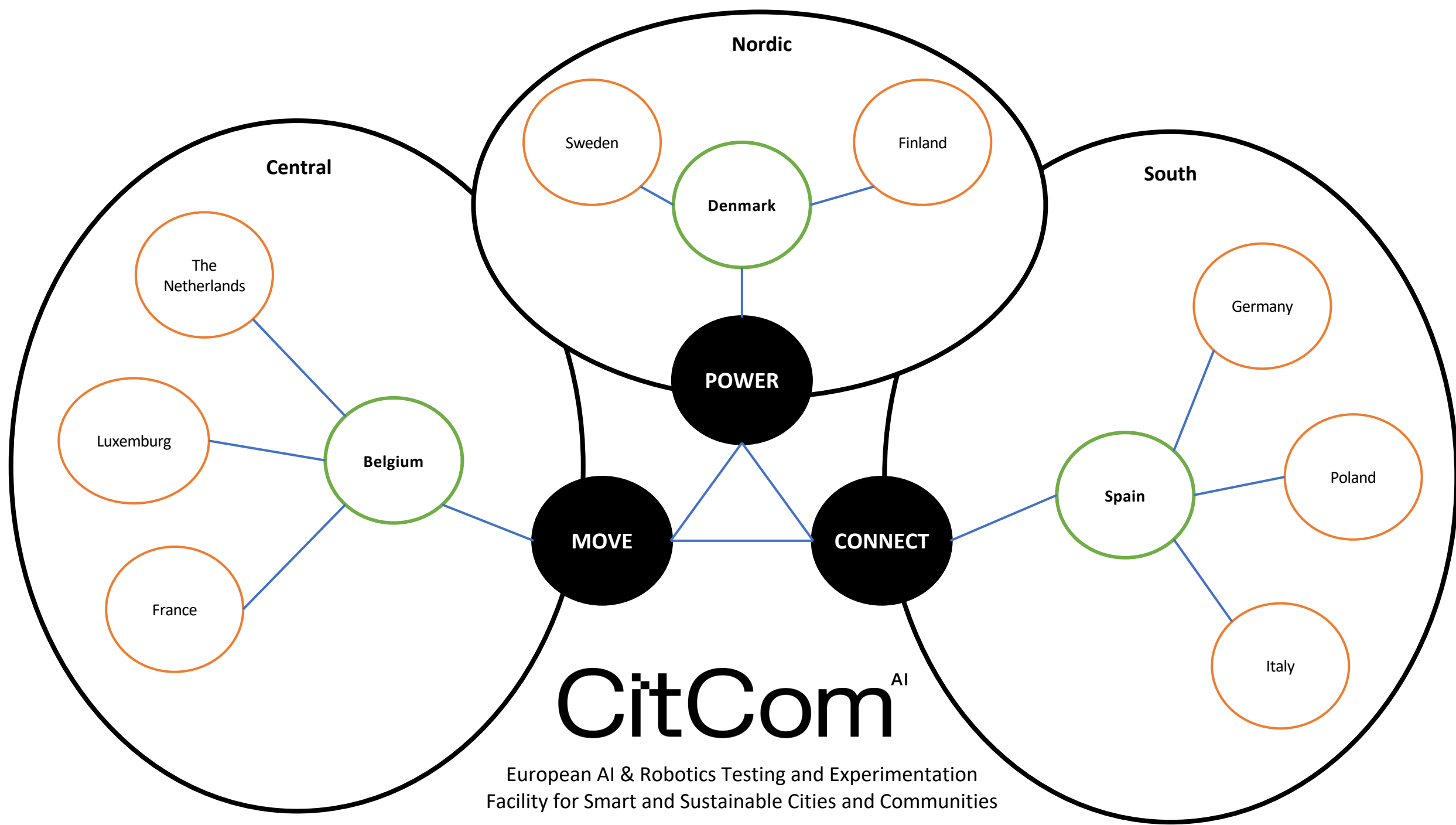
- Designing the Irresistable Circular Society – New European Bauhaus lighthouse

Go Li.EU (2m€/4 år) **DEP**

- Secretariat for Living-in.EU – all municipalities and regions in Europe

NetZeroCities (53m€/4 år) **HEU**

- Supporting the EU Mission on Climate-Neutral and Smart Cities



Digital Europe – World's Largest Market

SMART & SUSTAINABLE CITIES

Phase 1 (22 Feb 2022)

Phase 2 (Q2 2022)

Phase 3 (Q1 2023)

Phase 4 (Q2 2023)

EDIC

Go Li.EU
Living-in.EU Governance
CSA (2m€)

DS4SSCC – Data Space for
Smart Communities (prep)
CSA (1m€)

EDIH
European Digital Innovation Hubs
CSA (2-4x 5m€)

#1 LDT Toolbox Tech
Specs (2m€/3 mo)

#2 LDT conformance
7,5m€

Citiverse (15 + 15m€)
#3 LDT Toolbox
24,5m€

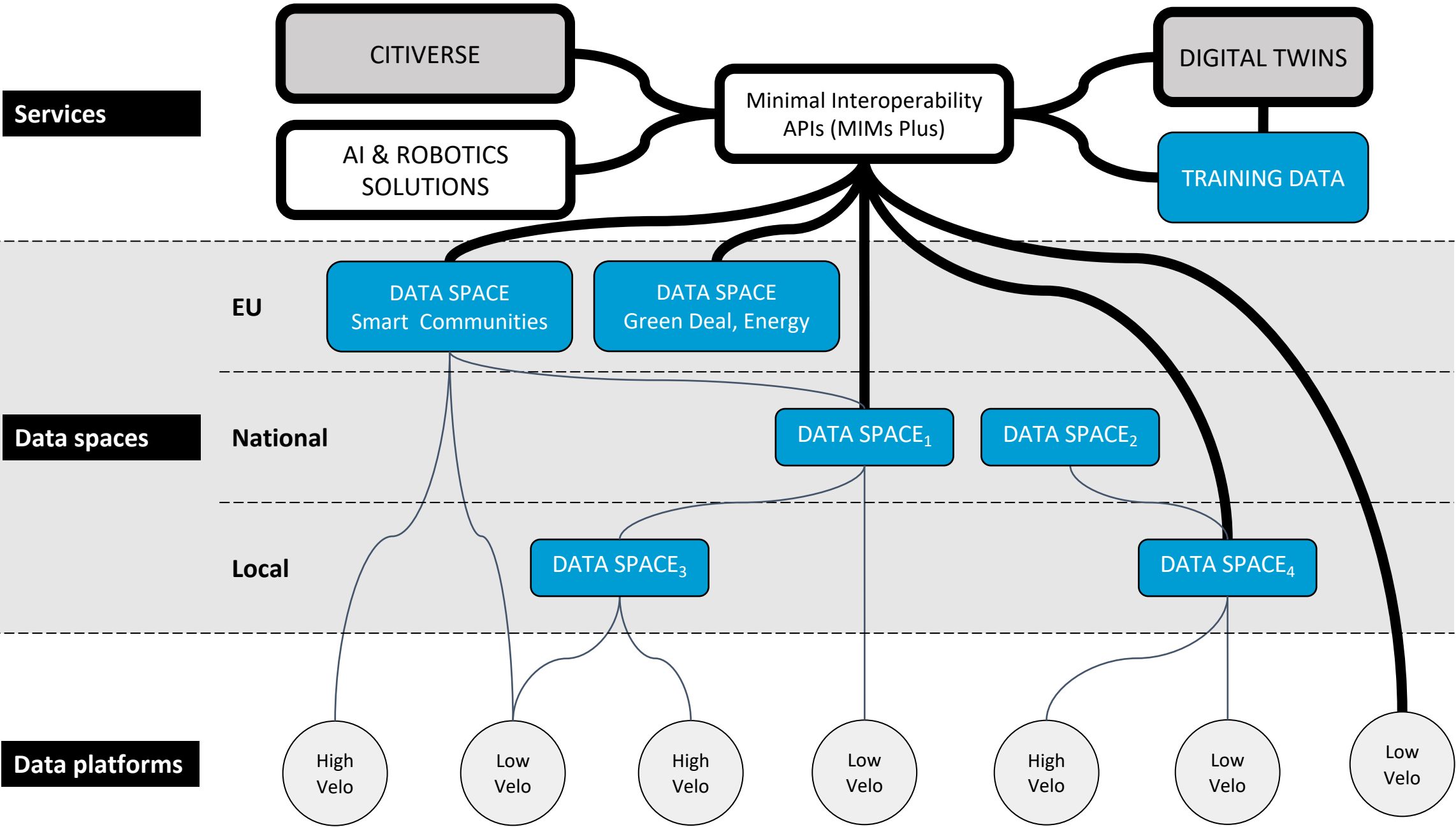
DS4SSCC DEP – Data Space for Smart Communities
Deployment action (3 + 15 + 15m€)

CitCom.ai
AI Testing & Experimentation Facility for SCC
Deployment action (20m€ + 20m€)

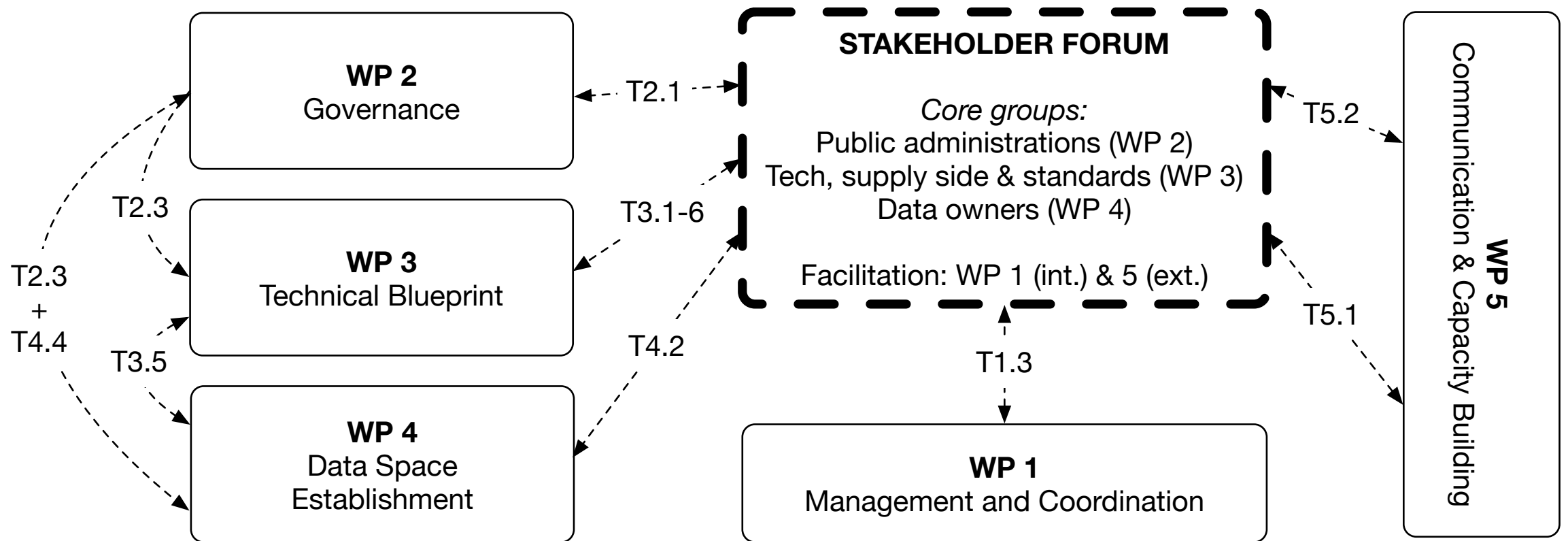
CommuniCity – 100 AI and tech pilots > XR (Citiverse)
Horizon CSA (5m€)

Desire – An Irresistible Circular Society (New European Bauhaus Lighthouse)
Horizon IA (5m€)

interoperable
europe



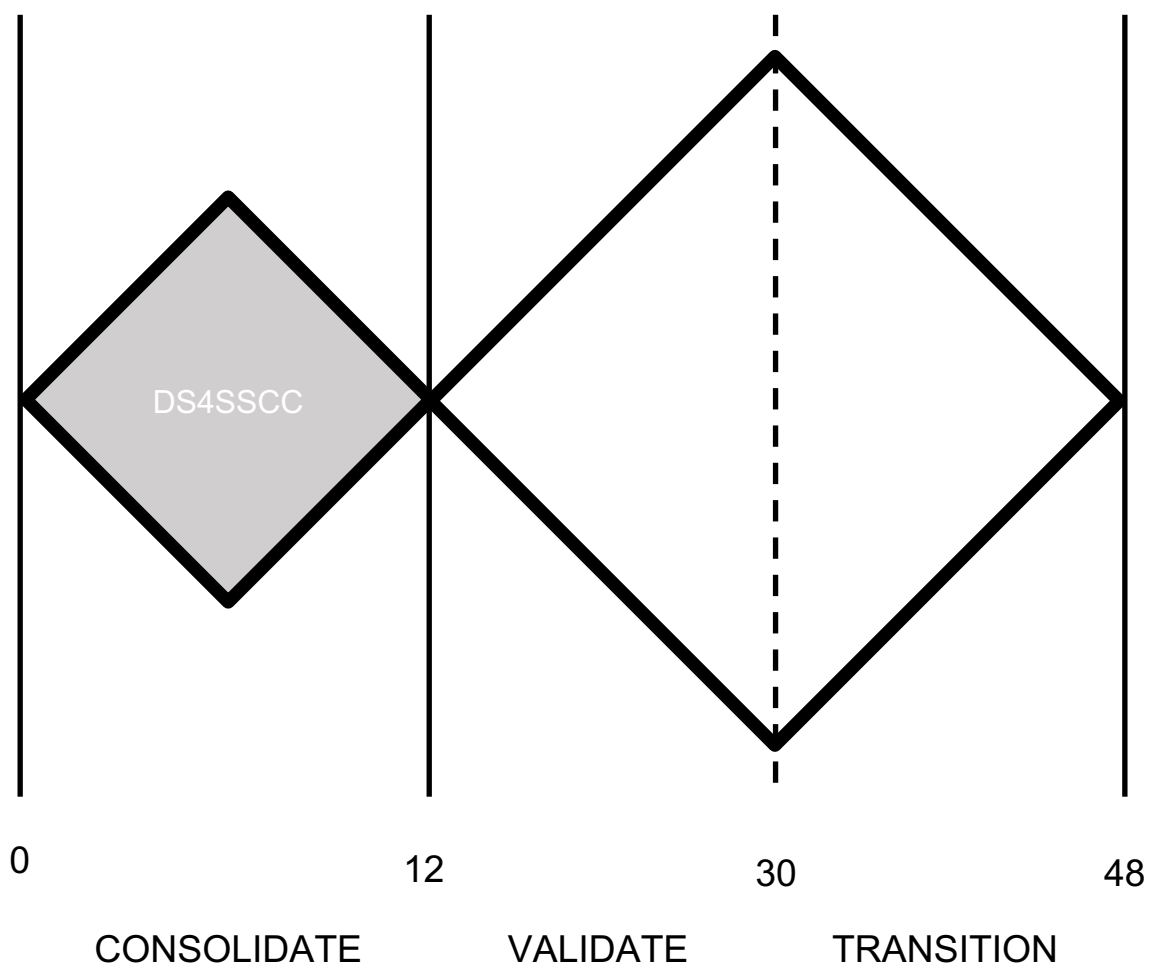
DS4SSCC Project Structure



DATA SPACE

BLUEPRINT

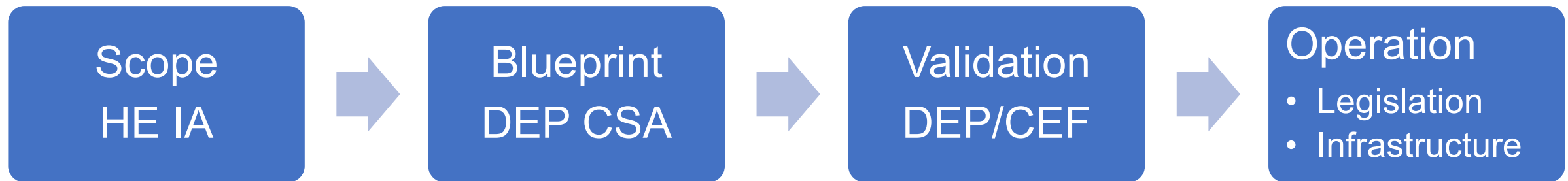
DEPLOYMENT



Two kinds of data spaces: Sector vs Cross-sector



Roadmap to a data space™



National guides

- Denmark → DS/KL
- Sweden → RefARK/SKR
- Netherl. → NEN/VNG
- Flanders → VLOCA/DF
- Japan → Society 5.0
- USA → GCTC



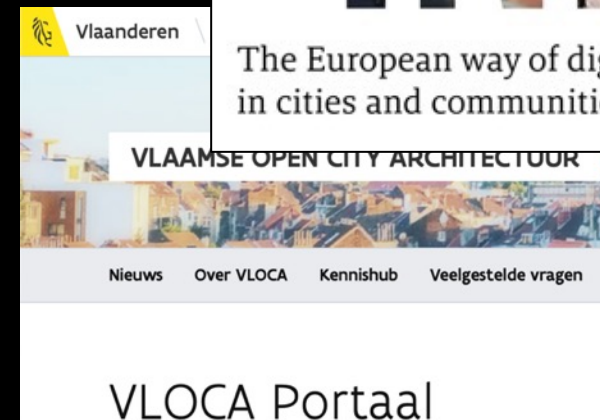
EU/Global

- Living-in.EU → MIMs Plus
- UN SDGs → U4SSC/New Architecture
- SG20 / y.MIM



Commercial

- National
- Global region
- Global / hyperscalers



Guide to sustainable, digital transformation

1 Focus on data

2
Build with interfaces

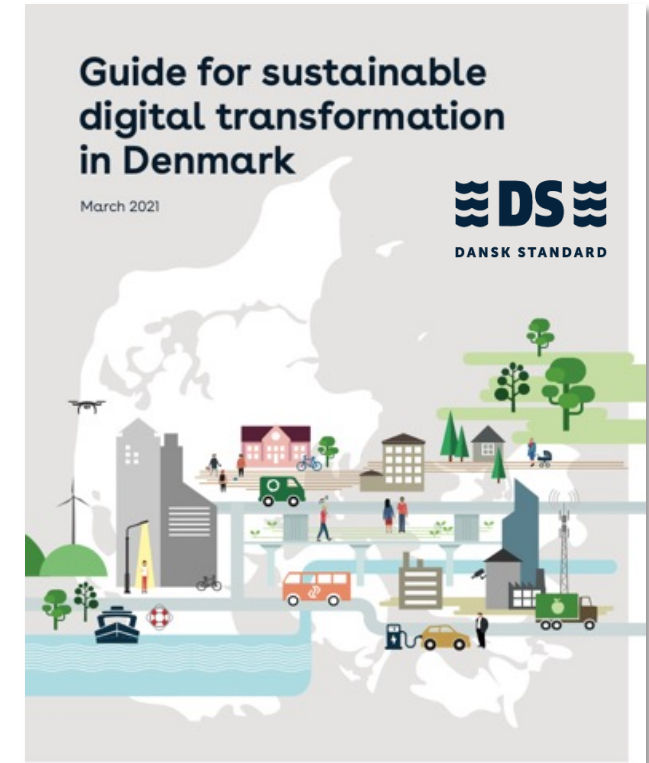
3
Secure a minimum of interoperability

4
Keep an open mind when choosing technology

5
Prioritise partnerships and ecosystems

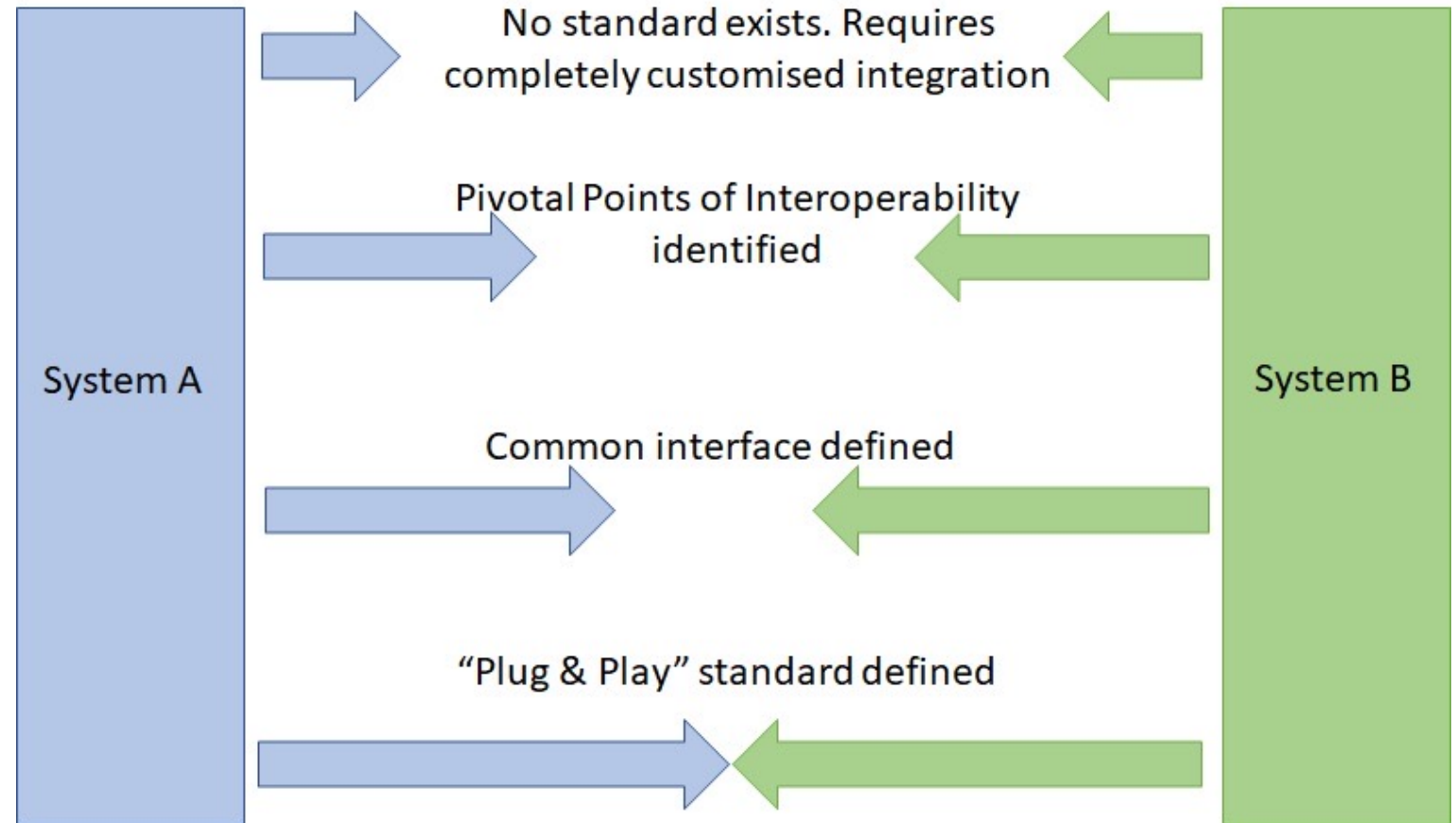
6
Take maturity and complexity into consideration

7
Start small, think big

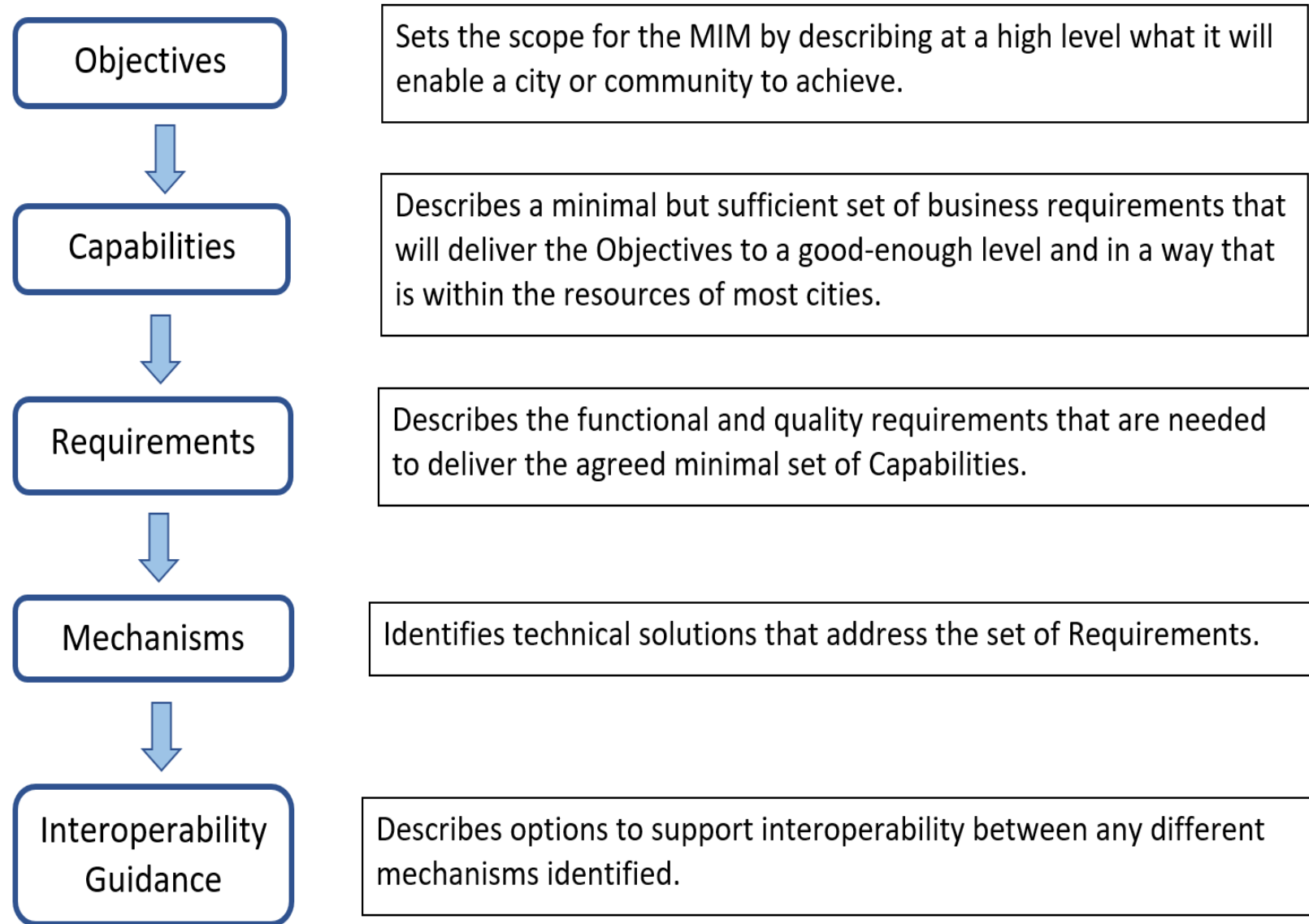


Available for free in English

Minimal Interoperability



The new format for each MIM



Redefining smart city platforms: Setting the stage for Minimal Interoperability Mechanisms

A U4SSC deliverable on city platforms

