



Data, value and services for Smart Cities and Communities

D4P EU Green week

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THE DATA ACT

Unlocking data value for the economy and society



"I want European businesses and our many SMEs to access high quality data and create value for Europeans – including by developing Artificial Intelligence applications."

*Thierry Breton,
Commissioner for the Internal Market*

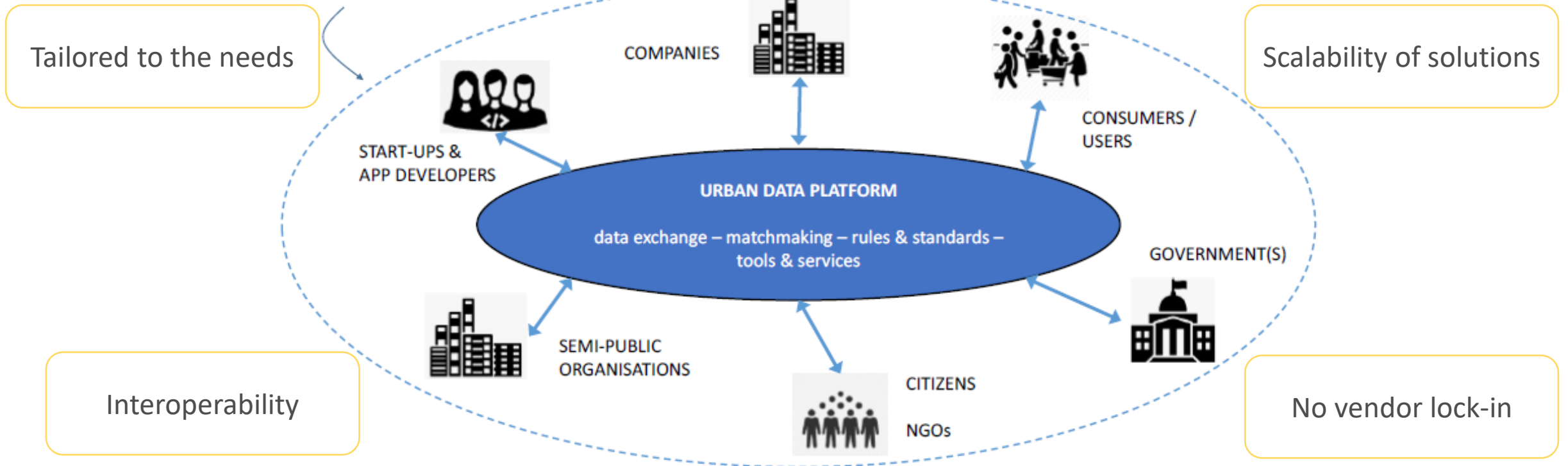
- Difficulty to access and reuse of private data with public interest (B2G)



Current operational models
do not scale up

'More secure and regular data sharing across the EU could help public administrations use private sector data for the public good.'
(High-Level Expert Group on B2G Data Sharing)

City Ecosystem of Data Providers,
Data Users and (services) Innovators



A **Local Digital Platform** is the “operating system” on which digital services can be provided to smart cities and communities, integrating data flows within and across city systems by exploiting modern technologies, such as sensors, cloud services, mobile devices, analytics, etc.



Smart and Sustainable City Ecosystem



Application building block & Smart Green services

AI

TEFs

Analytics and Intelligence



Local Digital twins

Interoperability



Local Data Platforms

Data



Data space for climate-neutral and smart cities

Infrastructure



Capacity Building & Scaling-up at EU level

Data Governance & Stewardship

Cybersecurity & Privacy

Technology & Value Chains

Digital Transformation

Sustainability Goals

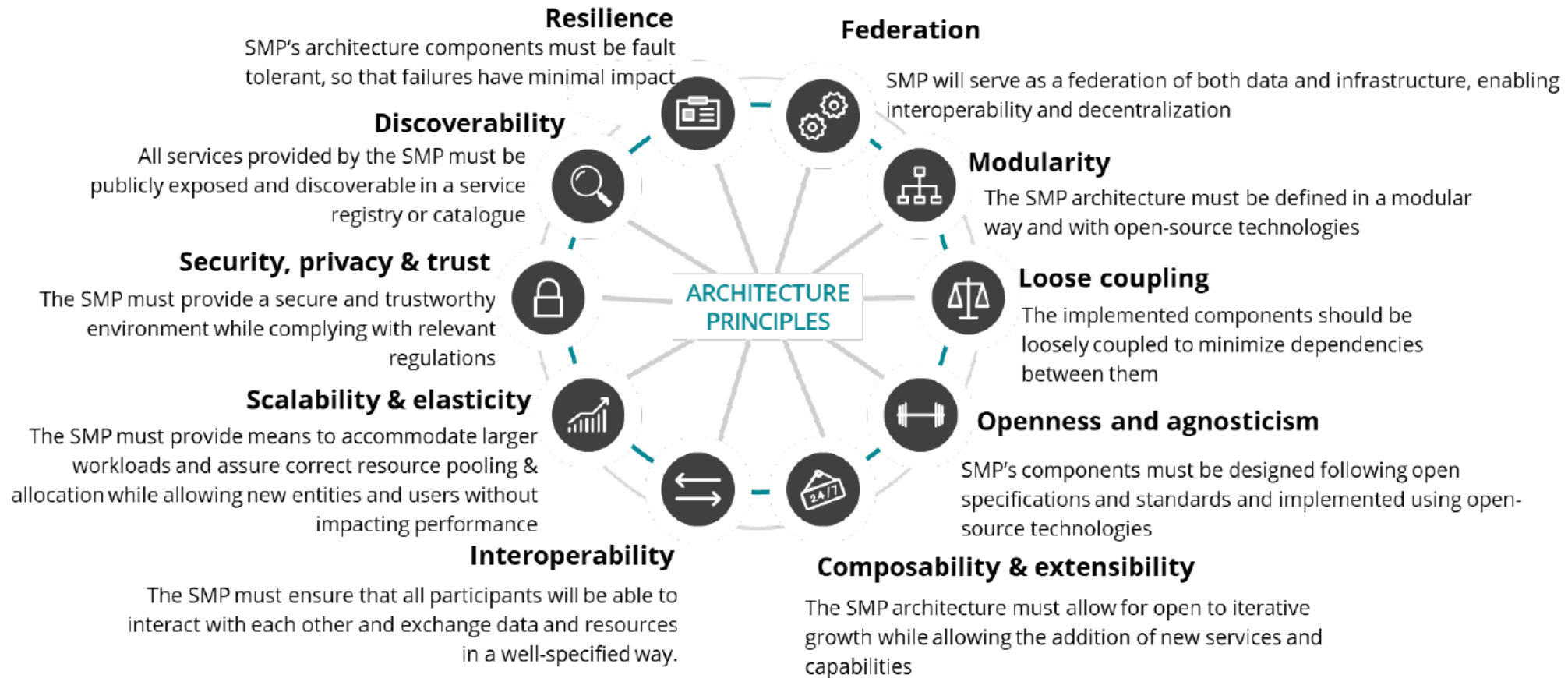
People & Skills

Processes

AI EDIHs for smart cities

AI TEFs for smart cities

Smart Middleware Platform





- Exploit the long tradition of EU in cultural and media content
 - Involving European content creators, in particular SMEs, in the design of engaging immersive environments
- Implement CitiVerse prototypes
 - By identifying and building visualization solutions and multi-dimensional models
- Leverage the latest EU technology providers
 - To plan and integrate various data sources together to develop and train AI in a new specific metaverse context
- Propose recommendations for a robust, open and interoperable CitiVerse legal framework
 - Compatible with EU values and laws



- Concrete use cases for the CitiVerse
 - Focus on the pilot areas of the data space for Smart Communities: sustainable mobility, climate resilience, energy flows, zero-pollution and any other within the New European Bauhaus – or combinations of them.
 - Built on existing EU data infrastructure and interconnected Local Digital Twins
 - Minimum lasting 12 months and involving private and public sector from 3 eligible countries.
- A roadmap
 - To expand in Europe using MIM-compliant standards and EU technology solutions
- A recommendation for a CitiVerse platform
 - Interoperable and open
 - According to the EU values and policy landscape

Type of action	Simple grant – 50% costs
Indicative budget	EUR 15 million (several projects, 2-5 Million Euro)
Indicative time	2023 (11/5-26/9) – projects to start around April 2024 (tbc)
Indicative duration of the action	30 months
Implementation	European Commission
Type of beneficiaries	All entities
Security	Call restricted on the basis of art. 12(6) of the DEP Regulation

Thank you!

European Parliament Think Tank - Artificial Intelligence and Urban Development (fresh from the print):

[https://www.europarl.europa.eu/thinktank/en/document.html?reference=IPOL_STU\(2021\)690882](https://www.europarl.europa.eu/thinktank/en/document.html?reference=IPOL_STU(2021)690882)