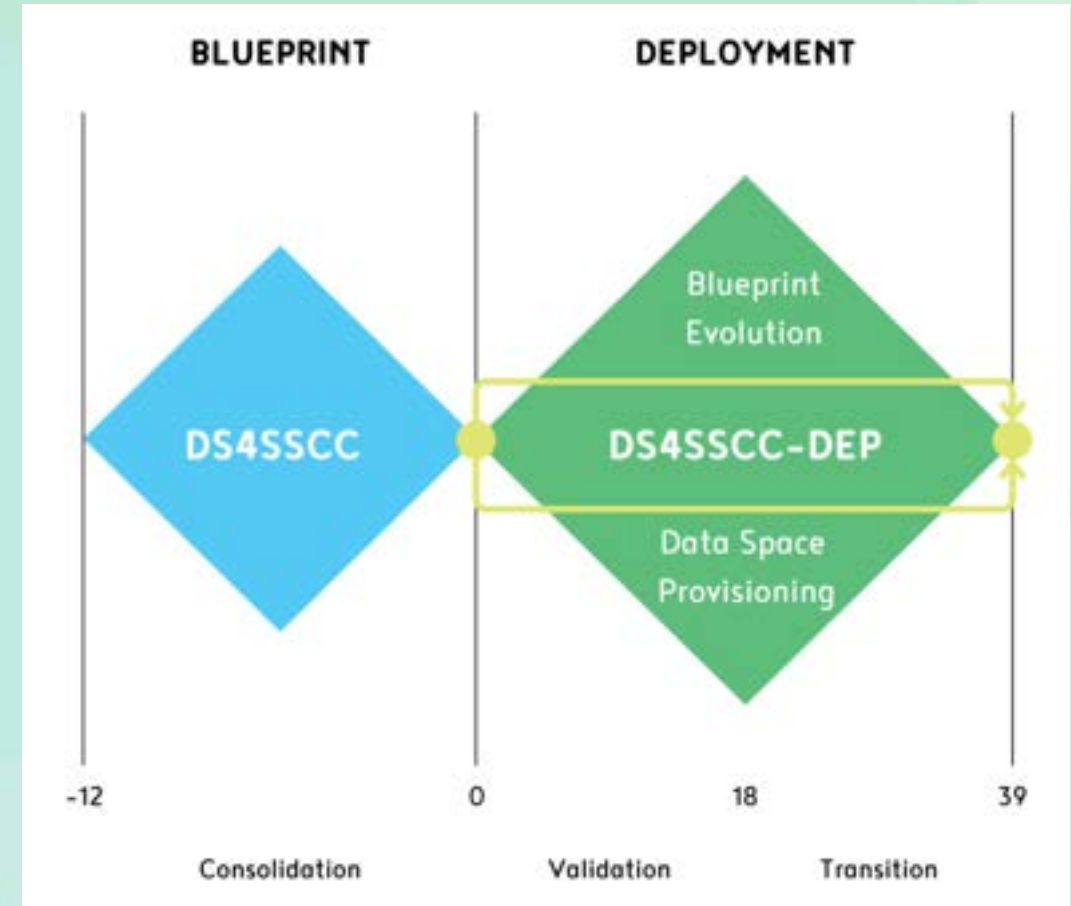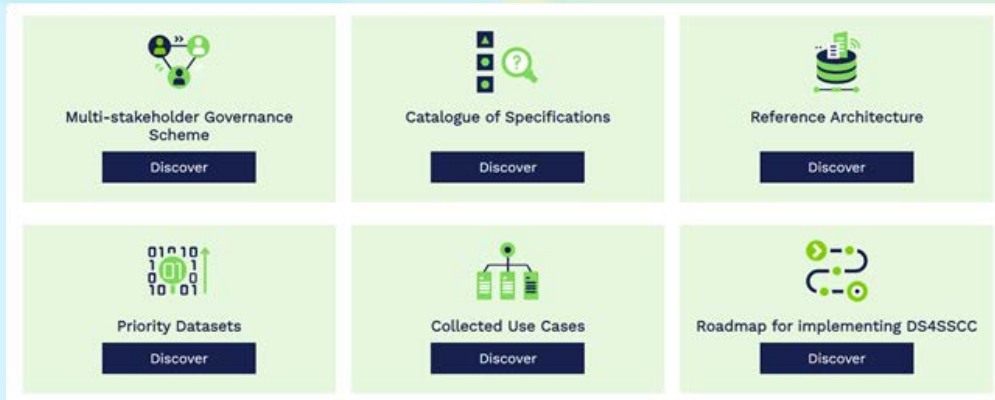# Espacios de datos para Ciudades Inteligentes y Pacto Europeo
Cumbre de espacios de datos: GAIA-X España

Nuria de Lama, Consulting Director IDC
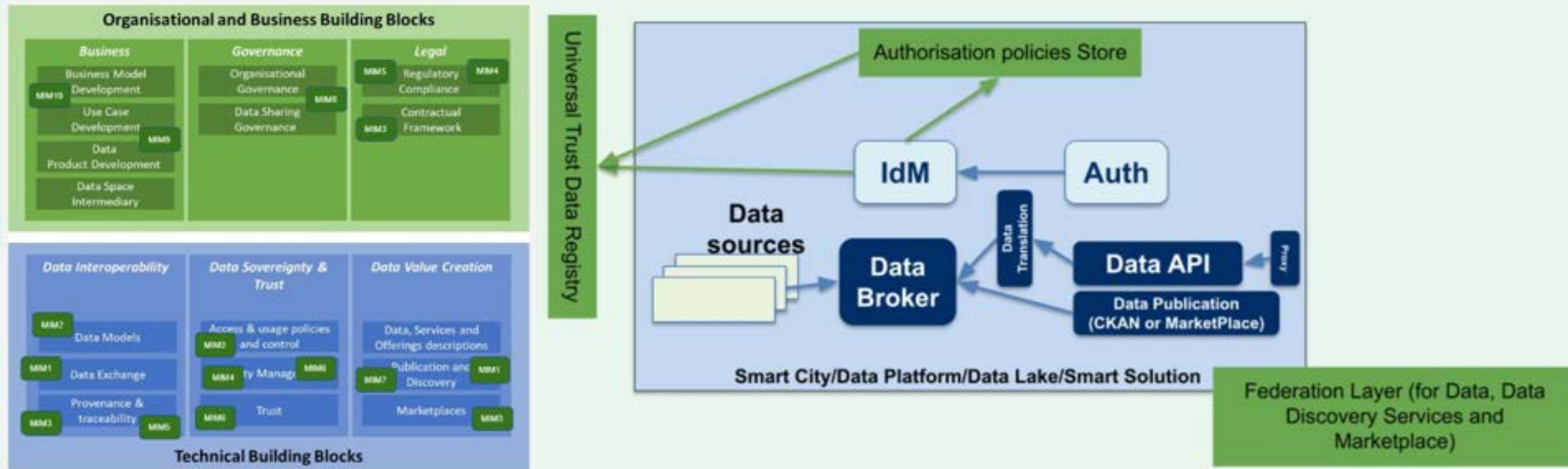Madrid, 4 Diciembre 2024

IDC

Deployment of European data space for smart communities?

- We seek to validate, in practice, an EU-wide cross-sectorial data space
- We are in the search for 10-12 pilots to implement real use cases
- CfP targeted to local and regional public administrations in the EU and partners (e.g., companies, academia, civil society organisations) working with them.

Multi-stakeholder Governance Scheme	Catalogue of Specifications	Reference Architecture
Discover	Discover	Discover
Priority Datasets	Collected Use Cases	Roadmap for implementing DS4SSCC
Discover	Discover	Discover

BLUEPRINT **DEPLOYMENT**

DS4SSCC

Blueprint Evolution

DS4SSCC-DEP

Data Space Provisioning

-12   0   18   39

Consolidation   Validation   Transition

European data space for smart communities

Funded by the European Union

The context of Smart Cities

- Interoperable interfaces relate to **MIMs (Minimal Interoperability Mechanisms)** in Smart Cities (Living-eu)
- Existing legacy; **evolution to a data space ready architecture**
- **Cookbook** available with recipes for different scenarios: Greenfield, Brownfield, Digital Twin

Deployment through pilots

❏ Must create new data services from the data sharing across **at least two Green Deal domains** but can also include others.

❏ The pilots should demonstrate the **applicability of DS4SSCC blueprint** and feasibility of **federating with other data spaces** on a European level.

Predictive traffic management/sustainable mobility planning

Data-services related to weather, climate & extreme weather events.

Management of energy flows in a city/community specific context

Zero pollution actions (e.g. air, water, soil, pollution or waste)

Any other domain falling under the New European Bauhaus initiative (urban design, building management, public services, nature-based solutions, amongst others)

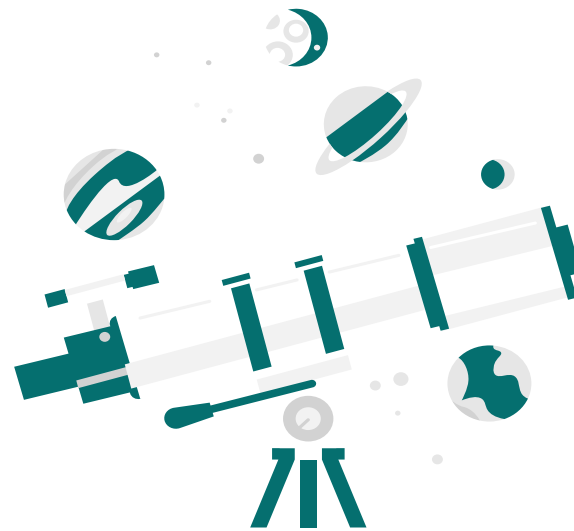| Submission Round	1st Round	2nd Round	3rd Round
Submission Period	June 1st (9:00 CET) – August 31st (23:59 CET) 2024 (3 months)	September – November 2024 (3 months)	December 2024 – February 2025 (3 months)
Evaluation Period	September 2024	December 2024	March 2025
Notification	October 2024	January 2025	April 2025
Number of Selected Pilots	1-2	4-6	4-(adjusted)
Implementation Period	November 2024 – October 2025 April 2026 (12-18 months)	March 2025 – February/August 2026 (12-18 months)	May 2025 – April/August 2026 (12-16 months)

European data space for smart communities

Funded by the European Union

GREAT (Green Deal Data Space)

16 Reference
Use Cases & Initiatives

94 Specific Datasets

406 GD Related Services

600+ Stakeholders

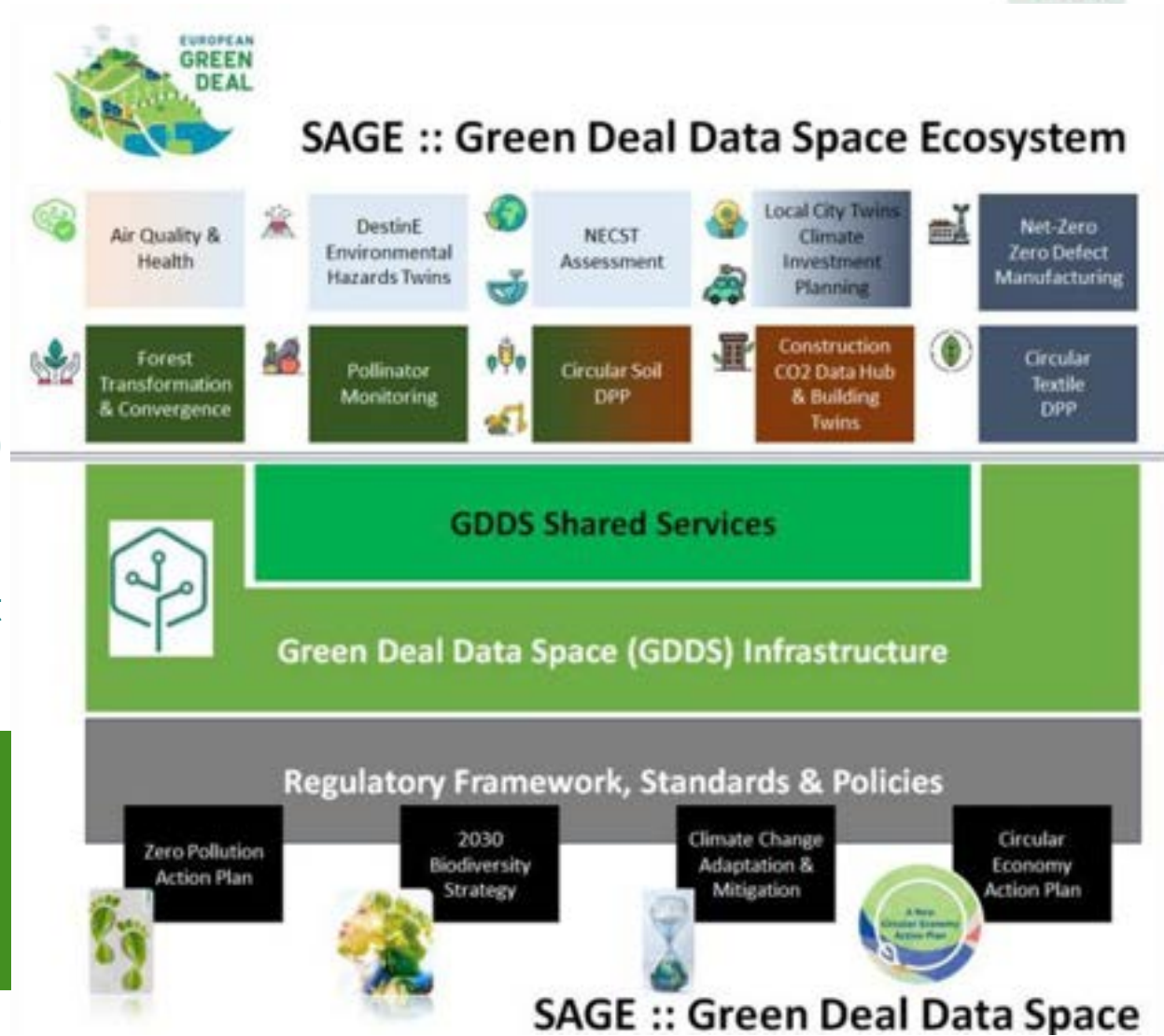# The Data Space for a Sustainable Green Europe | SAGE

SAGE will establish a fully operational Green Deal Data Space to *Enhance accessibility, integration, and utilization of environmental data across the EU.*

Objectives:
- **Federate** and integrate currently fragmented environmental data
- **Enrich data**: i) Consistent quality; ii) Validation; iii) Interoperable data
- **Enhance capabilities** i) Data transformation, processing, and analysis; ii) Forecasting and target setting; iii) Performance monitoring

- Consortium: 46 partners (led by IDC)
- Duration: 3 years
- Funding : DEP 50% funding
- Total budget: €16 million
- EC funded: €8 million

SAGE :: Green Deal Data Space Ecosystem

| Air Quality & Health | DestinE Environmental Hazards Twins | NECST Assessment | Local City Twins Climate Investment Planning | Net-Zero Zero Defect Manufacturing |

| Forest Transformation & Convergence | Pollinator Monitoring | Circular Soil DPP | Construction CO2 Data Hub & Building Twins | Circular Textile DPP |

GDDS Shared Services

Green Deal Data Space (GDDS) Infrastructure

Regulatory Framework, Standards & Policies

Zero Pollution Action Plan | 2030 Biodiversity Strategy | Climate Change Adaptation & Mitigation | Circular Economy Action Plan

SAGE :: Green Deal Data Space

Gracias!

Contacto general espacios de datos y Espacio Europeo de datos para Ciudades Inteligentes: Nuria de Lama (ndelama@idc.com)

Contacto Espacio de datos Green Deal: Nevena Razco (nraczko@idc.com)

IDC.com   linkedin.com/company/idc   twitter.com/idc   blogs.idc.com