Hands-on support for your local digital transformation

Speed networking workshop

@OASC Summit, June 4th 2024

Agenda

- Introduction of the speakers by Gert Hilgers (OASC)
- Setting the Local Digital Twin scene by Miguel Alvarez Rodriguez (European Commission)
- Introduction Smart Communities Network by Virginie Verstraete and Inge Willemsen (OASC)
- Introduction CitiVERSE EDIC by Miguel Alvarez Rodriguez (European Commission)
- Introduction Local Digital Twin procurement helpdesk for local authorities by Jonas Onland (Serendipity)

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Setting the Local Digital Twin scene

Local Digital Twins Toolbox Procurement Project

by Miguel Alvarez Rodriguez

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Support services for EU Smart Communities

For communities in early stage: Advancing Initial Stages for the Transformation of Smart Communities

‘Increase the Awareness and Readiness of EU Communities’ (Lot 1) and ‘Scale the Deployment of an Enabling Digital Infrastructure’ (Lot 2). Outcomes are:

- Increasing digitalisation awareness and readiness of Member State communities
- Smart Communities Network
- Online Local Digital Twin Procurement Helpdesk for Smart Communities

For advanced communities: development of the Local Digital Twins (LDT) Toolbox for Advancing the Transformation of Smart Communities

‘Development of the EU Local Digital Twins (EU LDT) toolbox for Advancing the transformation of Smart Communities’ (Lot 4) and ‘Monitoring, evaluation and quality review of the development of the EU Local Digital Twins (EU LDT) toolbox for Advancing the transformation of Smart Communities’ (Lot 5). Outcomes are:

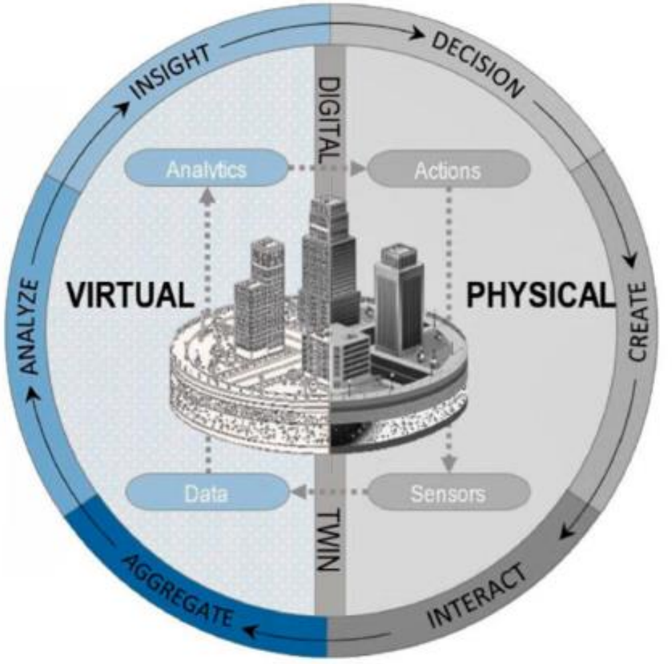
- EU Local Digital Twin Toolbox

Local Digital Twins and supporting tools

- **Digital representation** of a city offering dynamic simulation of urban systems, for enhance planning and resource management

- European Commission is creating AI-based algorithms and SW components for smart urban planning ("**Local Digital Twin toolbox**")

- **Local Digital Twin for Reconstruction**: Advanced tool using virtual city models and AI algorithms to assess damages, simulate reconstruction scenarios, and calculate precise cost estimates before, during and after project (high potential e.g. supporting Ukraine)



Introduction Smart Communities Network (SCN)

by Virginie Verstraete & Inge Willemsen

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The **Smart Communities Network** comprises public associations, organisations and networks of cities and municipalities from all 27 EU Member States who have formally agreed to cooperate with the European Commission on the support of the Smart Communities ecosystem within their own country. The SCN main goal is supporting local communities in their digital transformation efforts.

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Approved members

- Belgium: Paradigm Brussels & Agence du Numérique (ADN)
- Germany: Federal Institute for Research on Building, Urban Affairs and Spatial Development (BBSR)
- Denmark: Local Government Denmark
- Estonia: FinEst Centre for Smart Cities (Taltech)
- Finland: Business Tampere
- France: Cap Digital & CEREMA (Centre d'études et d'expertise sur les risques, l'environnement, la mobilité et l'aménagement)
- Lithuania: Lithuanian Green Municipalities Network
- Latvia: Vefresh
- Malta: Local Councils' Association (LCA)
- Netherlands: Association of Netherlands Municipalities (VNG)
- Portugal: Administrative Modernization Agency (AMA)
- Romania: National Centre for Cartography (NCC)
- Slovenia: Association of Urban Municipalities of Slovenia (ZMOS)
- Spain: Spanish Federation of Municipalities and Provinces (FEMP)
- Sweden: The Swedish Association of Local Authorities and Regions (SALAR) & RISE - Research Institute of Sweden

Work in progress Members States

- Austria
- Bulgaria
- Croatia
- Republic of Cyprus
- Czech republic
- Greece
- Hungary
- Ireland
- Italy
- Luxembourg
- Poland
- Slovakia

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Call to Action

Join the Smart Communities Network, it is the platform to help the local level be an active part of the European green and digital transition

More information on https://living-in.eu/news/join-eu-smart-communities-network-and-contribute-shaping-europes-digital-future

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Introduction CitiVERSE EDIC by Miguel Alvarez Rodriguez

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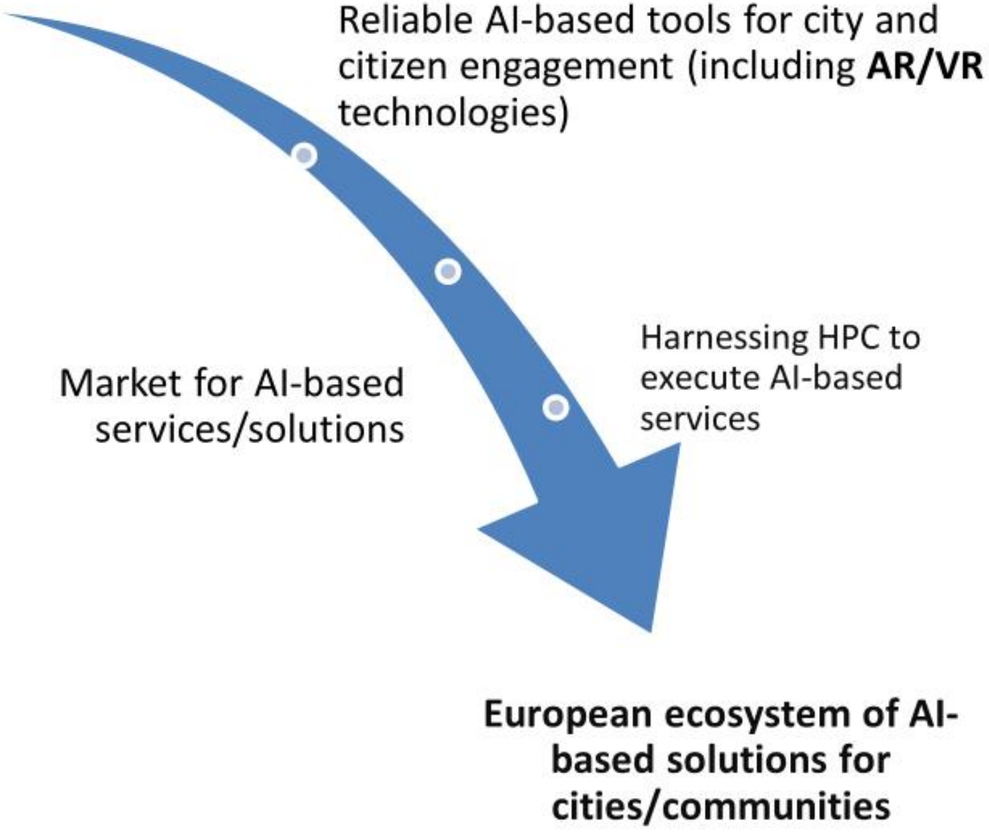
European Consortium of Digital Infrastructures for Digital Twins (EDIC)

- Vehicle for the ownership and operation of **common infrastructures** (e.g., national cloud-based platforms for urban data, "Local Digital Twin Toolbox")
- **Advantage**: Sharing costs and investments, creating a solid European market, sharing resources, consolidating data repositories, economies of scale
- Opportunities for **local innovators** as providers of artificial intelligence tools
- Currently involves **12 Member States**. Cities can join after legal establishment (November 2024)



Introduction Local Digital Twin Procurement Helpdesk by Jonas Onland

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Value of Completing the Journey

Structured tools & assets for facilitating execution of your smart city specific objectives

Customised Digital Transformation Roadmap and guidance on procurement needs

Participation to a European peer network pioneering the advancement of local data platforms and AI-powered digital twins

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Why is it Useful for your City?

LORDIMAS

Strategy Assessment

IT Infrastructure Assessment

Procurement Support

Equivalent of 100+ days consulting services reduced to 2 to 4 weeks

Strategy and decision making

IT/Data/Architecture

Thematic experts in function of priorities

Structured tools & assets for facilitating execution of your smart city specific objectives.

Customised digital transformation roadmap and guidance on procurement needs.

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Why is it Useful for your City?

Financial Commitment

Fully funded by the European Commission, this initiative covers all expenses related to support activities and assessments. It's important to note that while the costs for these preparatory stages are fully covered, **there isn't direct funding available for the actual implementation of the solutions.** Cities and communities looking to fund the implementation phase are **advised to explore the DEP (Digital Europe Programme) grants and funding opportunities.**

Required Actions

Assemble a multidisciplinary team to efficiently respond to assessment questions and invest an estimated 2-4 days. This should include Innovation Managers (like Chief Innovation, Digital, or Technology Officers), key strategic city departments, the PMO, and specialists in IT, data, and architecture such as Data Managers, ICT Managers, IT Architects, alongside IT Procurement and Infrastructure Providers. This **comprehensive team composition ensures a well-rounded approach to addressing the assessments' requirements.**

Recommended expertise

Strategy & decision-making

- Innovation Manager (Chief Innovation, Chief Digital or Chief Technology Officer, Smart City Manager or similar)
- Relevant city departments with strategic and decision-making capacity
- Project management office (PMO)
- Thematic experts

IT/Data/Architecture

- Data Manager (Chief Data Manager, IT manager, Data Steward, or similar)
- ICT Manager and Systems Specialist
- IT Architect

IT Procurement

- Infrastructure Provider

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2 to 4 Week Journey for Participating Cities

KICK OFF ACTIVITIES

1:1 sessions between cities and the *CGAs, or to a common Info Session

***LORDIMAS**

Get to know your overall digital maturity

STRATEGY ASSESSMENT

Assess in more detail your overall digital vision and strategy

IT INFRASTRUCTURE ASSESSMENT

Evaluate the technical maturity of the IT infrastructure

DIGITALISATION ROADMAP

Get your digital transformation roadmap tailored to your city/community needs

PROCUREMENT SUPPORT

Receive support to identify procurement needs and templates

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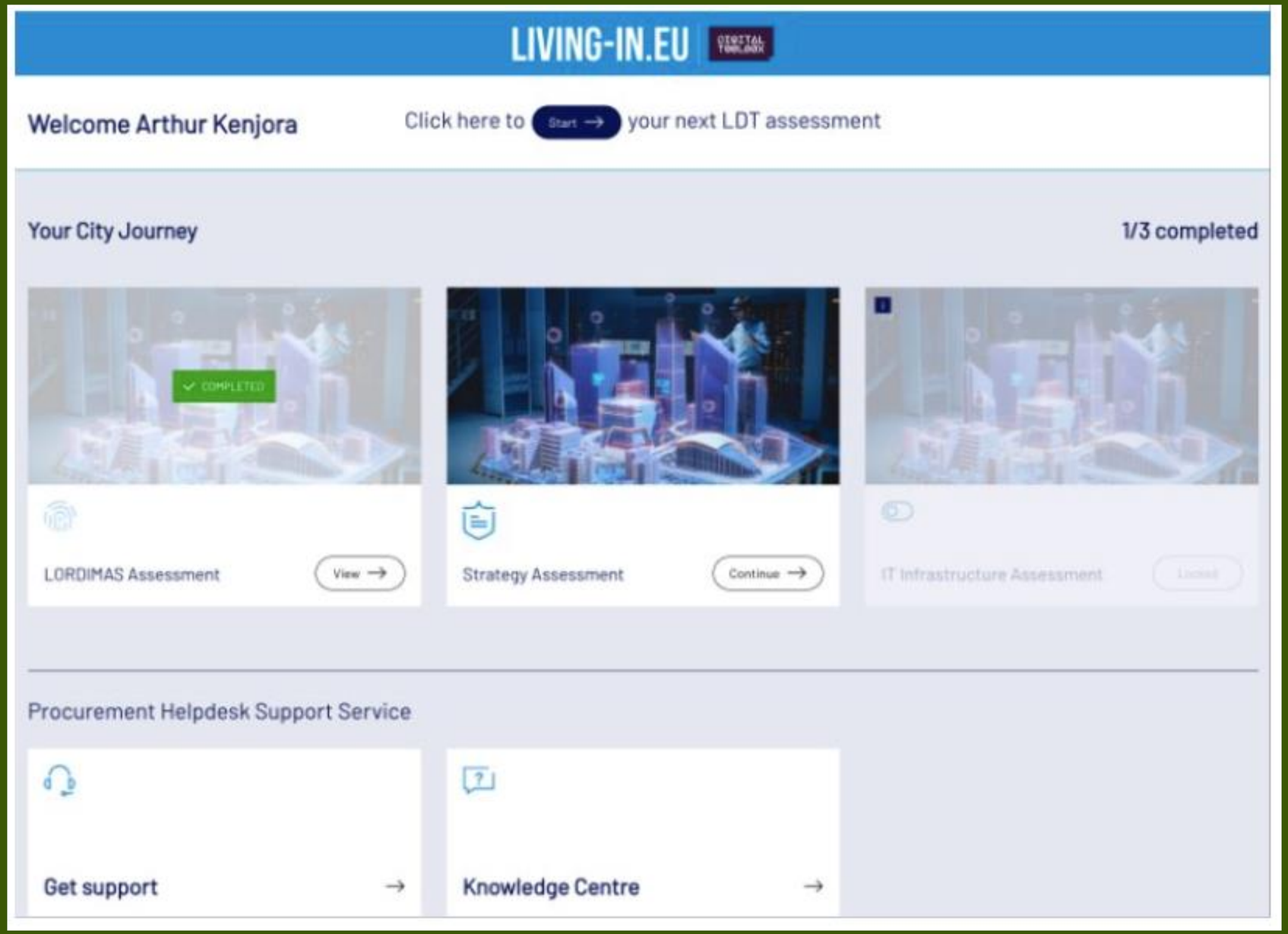
*CGAs (City Guiding Agents)
*Local and Regional Digital Maturity Assessment

Procurement Helpdesk



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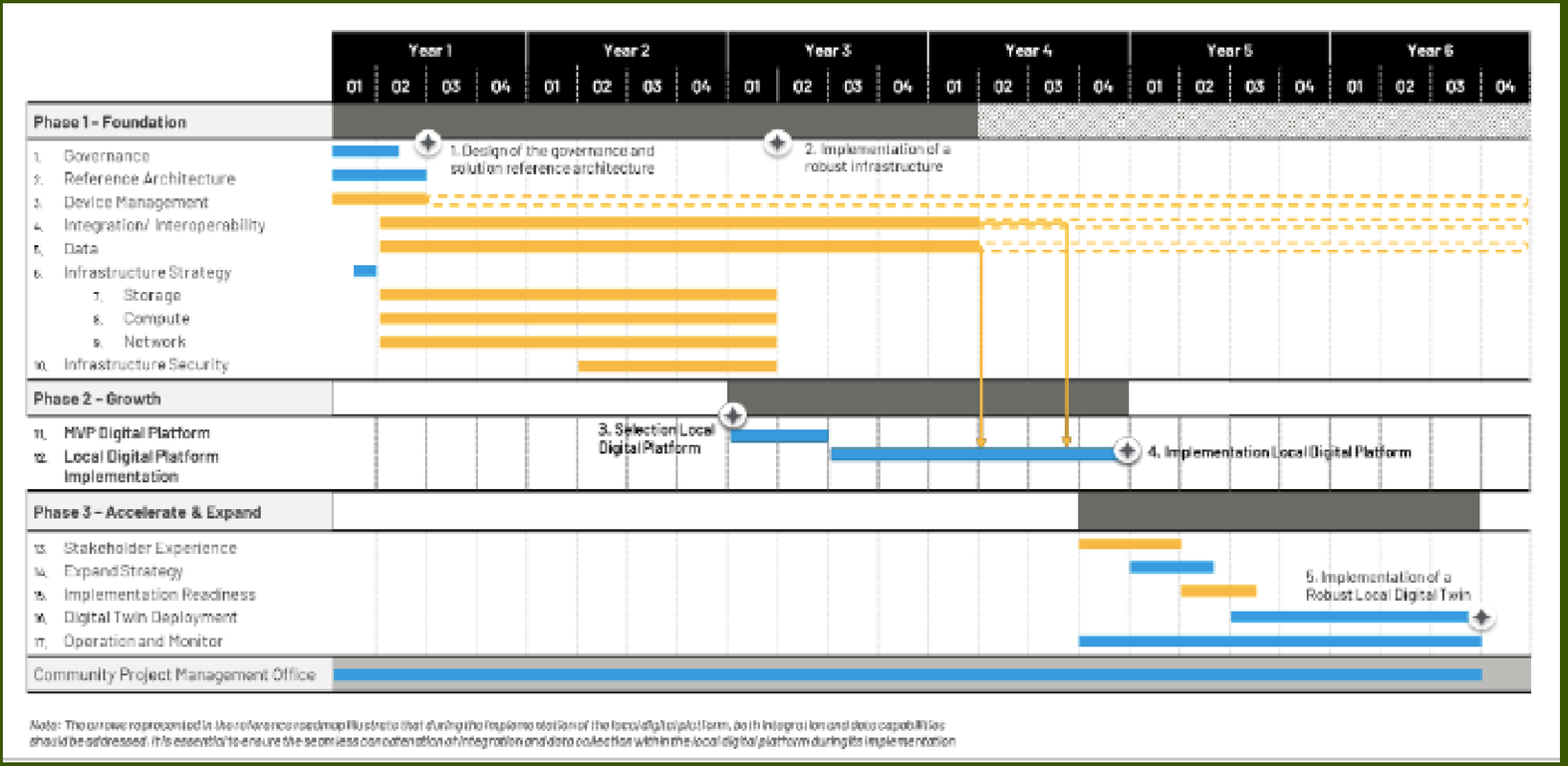
Digitalisation Roadmap

Each city participating will receive its own reference **digitalisation roadmap** presenting the key **enablers and capabilities** required for the development of a **Local Digital Platform** (LDP), and later a **Local Digital Twin** (LDT)

Example Roadmap:



Note: The curves represented in the reference roadmap illustrate that during the implementation of the local digital platform, both integration and data capabilities should be addressed. It is essential to ensure the seamless concatenation of integration and data collection within the local digital platform during its implementation

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Expression of Interest

Register today to secure 1 of 150 spots:

- The helpdesk is live and you can express your interest in participating starting today!

- You will have a City Guiding Agent supporting you for free during your Procurement Helpdesk journey.

Express Your Interest Here:

https://living-in.eu/online-procurement-helpdesk-smart-communities

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Thank you!

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Deloitte. Capgemini invent serendipity EUROCITIES imec technopolis group ICLEI Local Governments for Sustainability EUROPE

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