

Jačanje spremnosti hrvatskih lokalnih vlasti za digitalizaciju uprave

U suradnji s



PHASE 1: PLANNING

May 12th, 2025

Agenda for Training Session:

Croatia

Phase 1: PLANNING

DIGITALISATION CAPABILITY How to Unlock the Potential of Digitalisation

- Climate Neutral and Smart Cities Mission cities' goals, resources & how cities can get involved.
- How to assess your Local and Regional Digital Maturity with LORDIMAS
- How to implement the EU methodology to define your own digitalisation roadmap.
- EU tailor-made procurement templates aligned with EU principles and standards

 **12.05.2025**

 **9:30**

Phase 2: PREPARATION

DIGITAL TWINS How to Set Up Your IT Infrastructure

- Understand the importance of open and shareable data as the foundation of your data infrastructures.
- Learn how to implement open data platforms and data spaces through an open reference architecture supported by MIMs
- Discover the open-source tools available through the EU Local Digital Twin toolbox


 **28.05.2025**


 **9:30**

Phase 3: EMPOWERMENT

SUPPORT AND NETWORKS How Funding and the Community Supports You

- Discover the Living-in.EU learning community, how to make use of the resources developed for and by the community, and how to engage with their activities
- Discover funding opportunities at EU level and learn how to apply and prepare your proposal

 **11.06.2025**

 **9:30**

Detailed Agenda Overview

Phase 1: Planning Phase - How to Unlock the Potential of Digitalisation



12.05.2025



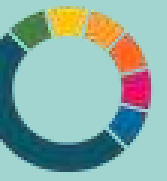
9:30

TIME	TOPIC	SPEAKER
9:30 - 9:40	Introduction	Francesca Gržinić Kuljanac <i>Grad Opatija</i> Christopher Aguilar <i>Serendipity</i>
9:40 - 10:00	Achieving decarbonisation goals with the support services of the Cities Mission Platform	Eugenia Mansutti <i>Eurocities</i>
10:00 - 10:15	Assessing your digital maturity with LORDIMAS	Paresa Markianidou <i>Technopolis Group</i>
10:15 - 10:30	Developing your digitalisation roadmap	Douwe Schoondorp <i>Deloitte</i>
10:30 - 10:40	Procurement support for Smart Communities: Learning about the EU tailor-made procurement templates and guidelines	Eliana Gerardi <i>Intellera</i>
10:40 - 10:50	Questions and Answers	Francesca Gržinić Kuljanac <i>Grad Opatija</i> Christopher Aguilar <i>Serendipity</i>
10:50 - 11:00	Closing	Francesca Gržinić Kuljanac <i>Grad Opatija</i> Christopher Aguilar <i>Serendipity</i>

A person in a white shirt is holding a tablet. The tablet screen shows a city skyline at night with a network of white lines connecting various points on the buildings. The background is a blurred cityscape at sunset.

ACHIEVING DECARBONISATION GOALS WITH THE SUPPORT SERVICES OF THE CITIES MISSION PLATFORM





Expanding Mission Platform support services



Funded by
the European Union



Concrete Offer: The Mission Platform as an accelerator of climate action for all cities wanting to become climate neutral

- Planning and financing tools
- Self-Assessment Tool
- Support pathways and inspiring examples
- Workshops and courses (also giving academic credits)

Online & learning



- Three Programmes:
 - Online peer groups
 - Study visits
 - Twinnings

Peer – EU



Dedicated helpdesk

- National spaces for debate and training (incl. events – political & technical)
- Mobilisation of national stakeholders
- National Platforms

Peer – National



- Planning and financing tools
- Self-Assessment Tool
- Support pathways and inspiring examples
- Workshops and courses (also giving academic credits)

Online & learning



Online & learning: Six Climate Neutrality Support Pathways

Curated lists of resources and tools useful for cities wanting to transition towards climate neutrality

Objectives:

- Address the needs highlighted in the survey by respondent cities;
- Inform the design and delivery of services for new cities through the Mission Platform
- Guide cities in their climate neutrality journey through the Mission Platform tools, resources and services.



Funded by
the European Union



Online & learning: Six Climate Neutrality Support Pathways

Curated lists of resources and tools useful for cities wanting to transition towards climate neutrality

- 1. Climate neutrality foundations and mission approach**
- 2. Inclusive ecosystem for change and social Innovation**
- 3. Monitoring and Learning**
- 4. Technological Solutions and Innovation**
- 5. Policy and Governance**
- 6. Finance and Business Models**

Online by 15 October 2024!



Funded by
the European Union

- Planning and financing tools
- Self-Assessment Tool
- Support pathways and inspiring examples
- Workshops and courses (also giving academic credits)

Online & learning

Finance Guidance Tool



This tool supports cities as they identify finance options and supports their investment planning, based on a decision matrix which helps define needs and identify a range of options appropriate to the city's circumstances.

<https://netzerocities.app/financeGuidanceTool>
Trainings for cities on how to use the tool

NET ZERO CITIES

< Hide question form

Sector

Buildings

Infrastructure

Waste

Transportation

Energy generation

Finance type

Project

Scale of the project

Small

Percentage Data Capital Allocation

Percentage Data Capital Allocation

Does the municipality have sufficient resources or can it generate resources for full or partial financing?

Are Donor grants available? (EU / national)

Does it finance the entire project?

Can the municipality partially self finance the remaining?

Can the municipality secure additional funding?

Are there loans available at concessional interest rates?

Does the municipality have credit worthiness and borrowing capacity?

Does the Municipality have access to Green Loans

Are there commercial banks willing to grant loans?

Does the municipality have credit worthiness and borrowing capacity?

Are guarantors available?

Does the municipality have access to a developed capital market?

Is the project scale interesting for institutional investors?

FINANCE GUIDANCE TOOL

This tool has been designed to help you find the right funding for your projects. It is based on a questionnaire that will help you define your financing needs and filter the types of funding that are appropriate.

PROS	CONS	TYPE OF PROJECT FINANCED	RELATED PRODUCTS
Grant 1. No need to repay capital 2. Pay no interest on capital	1. High competition for limited resources 2. Can change with political priorities 3. Design project to suit eligibility criteria	1. Depends on the grant	1. EU grants 2. National grants 3. Regional grants
Partial Grant plus Partial Self finance 1. No need to repay capital 2. Pay no interest on capital	1. High competition for limited resources 2. Can change with political priorities 3. Design project to suit eligibility criteria	1. Medium to large scale project	1. EU grants 2. National grants 3. Regional grants
Blended Finance - Partial grant plus partial self finance plus partial debt finance 1. Need to repay debt capital only 2. Need to pay interest on debt capital only	1. High competition for limited resources 2. Can change with political priorities 3. Design project to suit eligibility criteria 4. Still pay interest on capital borrowed	1. Large projects	N/A
Concessional loan 1. Pay low-interest rates 2. Can access capital 3. Can combine this model with others (e.g., a revolving fund)	1. Still pay interest on capital	1. Particularly accessible for public energy efficiency projects;	1. Development banks such as EIB, KfW etc
Green loans 1. Reduced interest rates 2. Can access capital 3. Can combine this model with others (e.g., a revolving fund)	1. Should fit the eligibility criteria of green projects	1. Small to medium sized green projects	1. Green investment loans 2. Green mortgage
Guarantee 1. Project security from third party 2. Improves the credit quality/credit rating	1. Gaurantee fees	1. Financially sustainable infrastructure projects of various sizes;	N/A



NetZeroCities has received funding from the H2020 Research and Innovation Programme under grant agreement n°101036519.

- Planning and financing tools
- Self-Assessment Tool
- Support pathways and inspiring examples
- Workshops and courses (also giving academic credits)

Online & learning

Coming in November NetZeroPlanner

Online cost-benefit analysis tool which allows cities to create, improve, and track their climate action plan.

It helps to:

- Get a **detailed analysis of 13 decarbonisation sub-sectors** (e.g., transportation, buildings, waste), allowing cities to target high-impact areas;
- **Monetise co-benefits** such as health improvements turning intangible benefits into measurable financial gains.
- **Test different scenarios and ambition levels**, providing flexibility in planning for future challenges.



Already used by 50 Mission Cities – new cities will be trained to use it



NetZeroCities has received funding from the H2020 Research and Innovation Programme under grant agreement n°101036519.



- Three Programmes:
 - Online peer groups
 - Study visits
 - Twinnings

Peer – EU

Peer Learning opportunities at the EU level

Twinning learning programme for 30 cities*

- Focused on deep learning from Mission Cities
- Over a longer period of time
- With study visits in both Mission Cities and Twin Cities
- Long-lasting connections between city practitioners
- Inspiration and guidance to replicate successful approaches

Online discussion groups with Mission Cities

- Focused on concrete challenges and domains
- Technical assistance and training
- Exchanges on successful measures
- Deep dives into Mission cities' projects

1st group of 70 cities registered to start in September



Leading to **study visits** to Mission Cities*



**For cities with a commitment to climate neutrality by 2050 at the latest*



NetZeroCities has received funding from the H2020 Research and Innovation Programme under grant agreement n°101036519.



Engagement at the national level

- National spaces for debate and training (incl. events – political & technical)
- Mobilisation of national stakeholders
- National Platforms

Peer – National

Why

Crucial role of national governments in climate neutrality policy (regulation, funding, knowledge, data, governance)

Upscaling of successful learning approaches

Involvement of cities in the design and implementation

Create alliances with different actors at the national level (including industry, academia, agencies)

How

National events with involvement of Mission cities and other cities in Europe and Associated Countries

Opportunities for dedicated technical assistance

Awareness Raising with national policymakers

Participation of new cities into existing platforms

CAPA CITIES

HOME DUT EVENTS WEBINARS CONTACT DOWNLOADS

CapaCITIES: Advancing national support for climate-neutral cities

A support action for national and regional authorities to advance their governance structures and strengthen dedicated support for cities to achieve the climate-neutral Cities Mission. The project is funded under the EU Missions programme of Horizon Europe.

CapaCITIES coordinates actions across climate neutral city initiatives in Europe in order to exploit synergies between them and align efforts towards the goals of the mission including city networks, the UAEU partnerships, the CoR, and others.

LEARN MORE

The Netherlands

Core Country

Coordinating structure: There is no formal Cities Mission support structure in the Netherlands yet. However, the Ministry of Interior and Kingdom Relations (Rijksoverheid) and the Ministry of Economic Affairs and Climate Change (Rijksoverheid) work together to better support the seven Dutch mission cities in...

More info



NetZeroCities has received funding from the H2020 Research and Innovation Programme under grant agreement n°1010364



Eugenia Mansutti (Eurocities) eugenia.mansutti@eurocities.eu

Do you want to know more?

Helpdesk for cities: infocities@netzerocities.eu



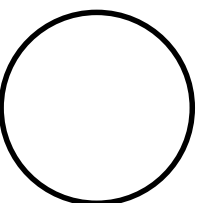
Funded by
the European Union

A person in a white shirt is holding a tablet. The tablet screen shows a city skyline at night with several skyscrapers. A white digital network, consisting of interconnected nodes and lines, is superimposed over the city skyline. The background of the entire image is a blurred cityscape at sunset or sunrise.

ASSESSING YOUR DIGITAL MATURITY WITH LORDIMAS

What is LORDIMAS in one sentence

‘Interactive tool aimed at helping local and regional governments to understand where they are in their digital transformation journey’



EVALUATE

A digital maturity tool

Governance, Service design, Data management, Interoperability, Technology, Service delivery and Networking

COMPARE

An interactive dashboard

Presenting your data in real-time and allowing you to compare with other cities in Europe

SHARE

Repository of good practices

Sharing your success and challenges to promote the European way for digital transformation

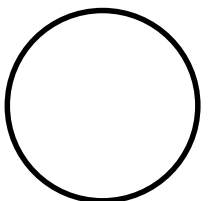
LEARN

Policy recommendations

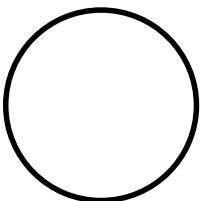
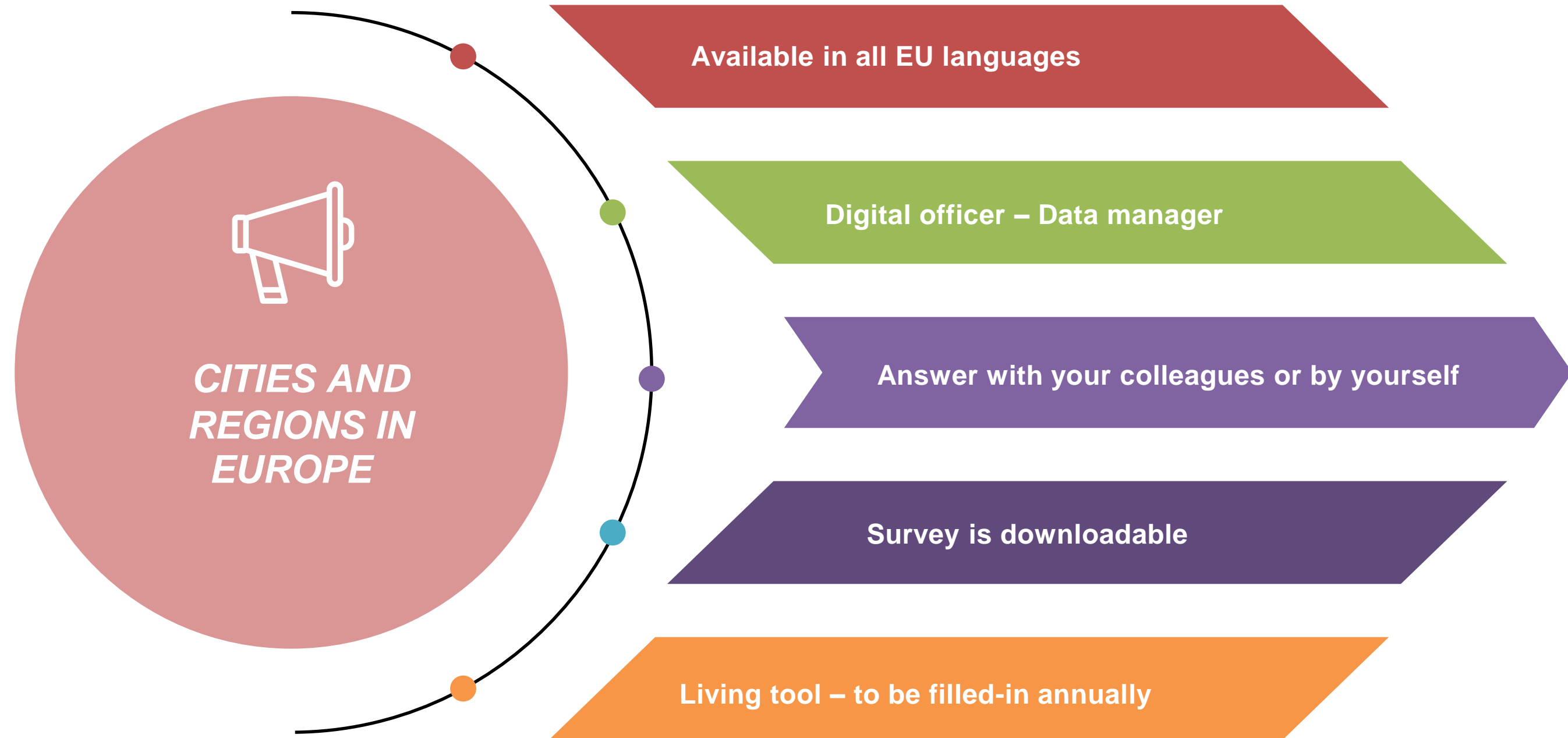
Bringing awareness about emerging topics at the EU level and to giving policy advice

What is LORDIMAS?

A functional approach

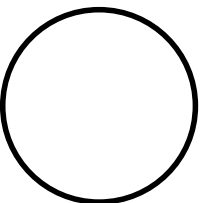
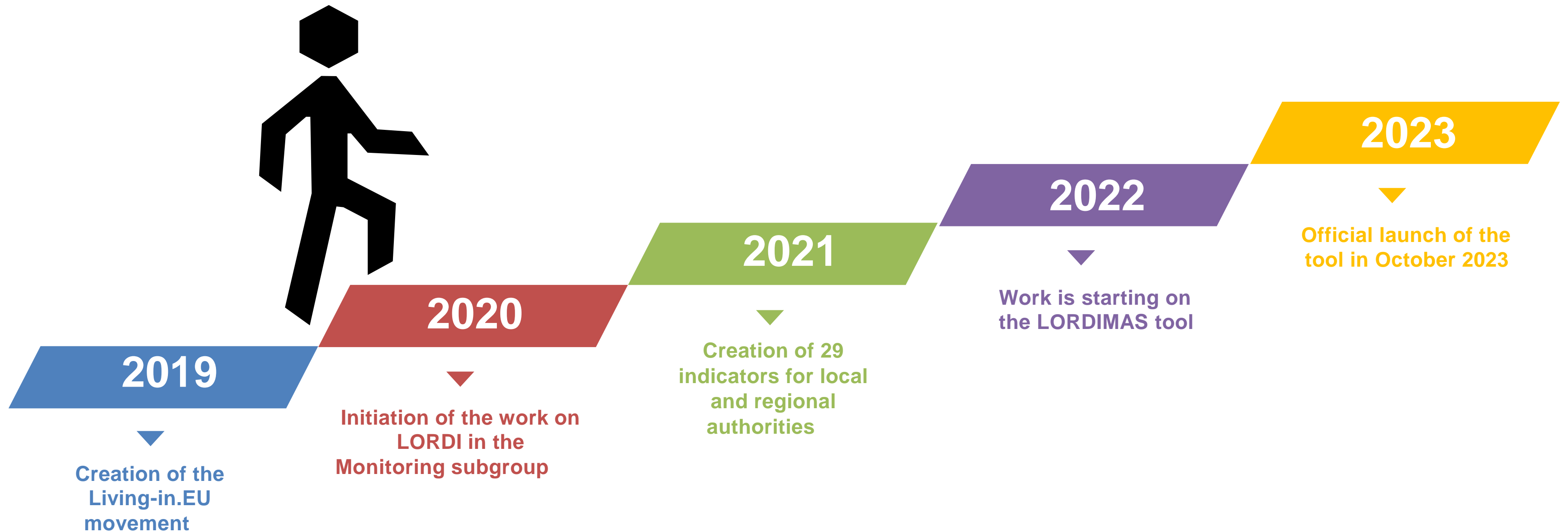


What else to know about LORDIMAS?



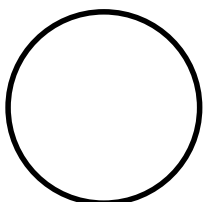
Where does LORDIMAS come from?

A collaborative process

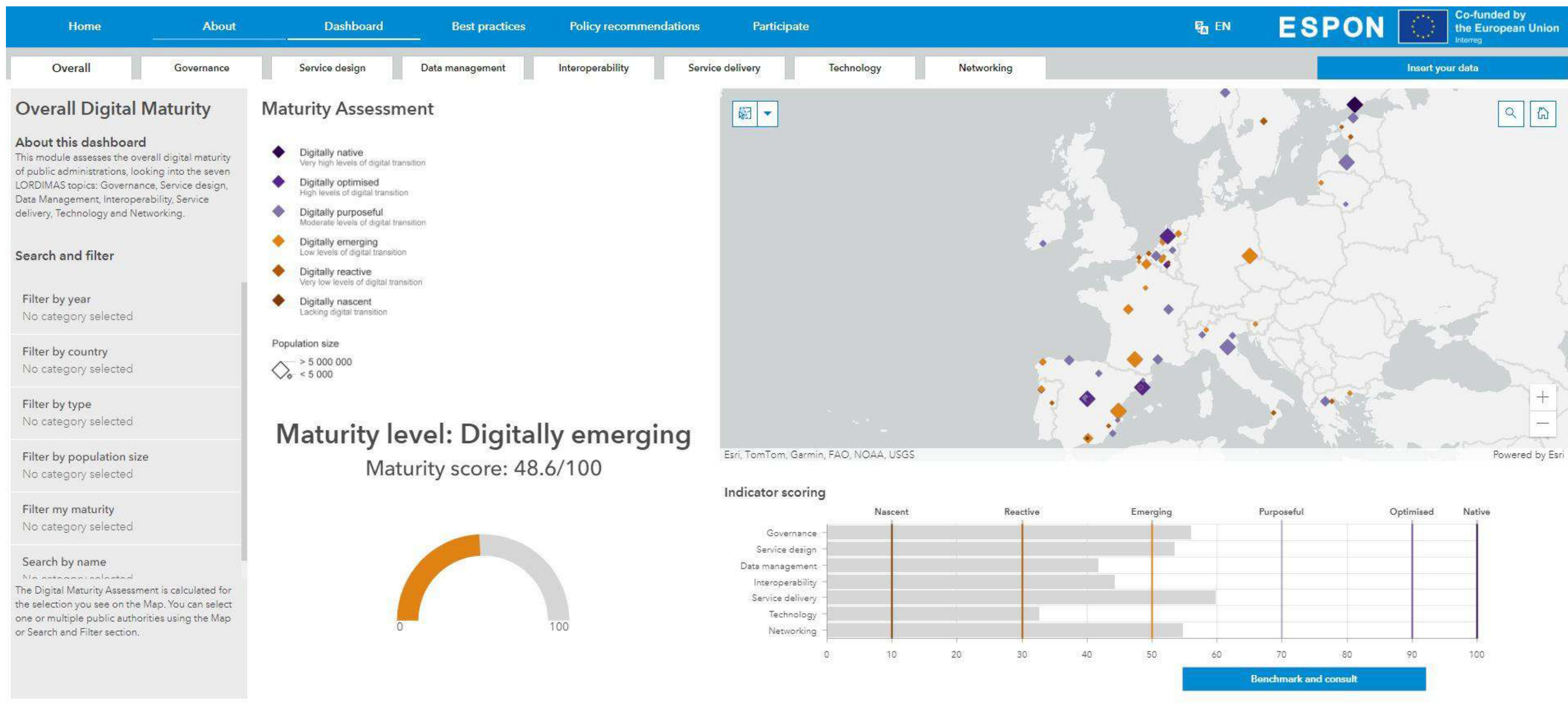


How was LORDIMAS created?

A collaborative work with many stakeholders



What else to know about LORDIMAS?



You can access LORDIMAS at:








lordimas.espon.eu

If you want to contribute to shape the future development of the tool you can join the Monitoring & Measuring Working Group of Living-in.EU:



living-in.eu

Call to Action – How to Get Started

-  Go to the platform, click on [participate](#) and download the offline form.
-  Identify your list of key city stakeholders you would like to invite for the assessment. Share the questionnaire with the stakeholders.
-  Organise a workshop to discuss the questionnaire and collect information on all dimensions.
-  Complete the assessment online, compare yourself to other cities, consult good practices and recommendations
-  Summarise and discuss digital maturity assessment results jointly with the stakeholders, share learnings on strengths and weaknesses

JOIN,
BOOST,
SUSTAIN

A person in a white shirt is holding a tablet. The tablet screen shows a city skyline at night with a digital network overlay of white lines and nodes connecting various points on the buildings. The background is a blurred cityscape under a sunset sky.

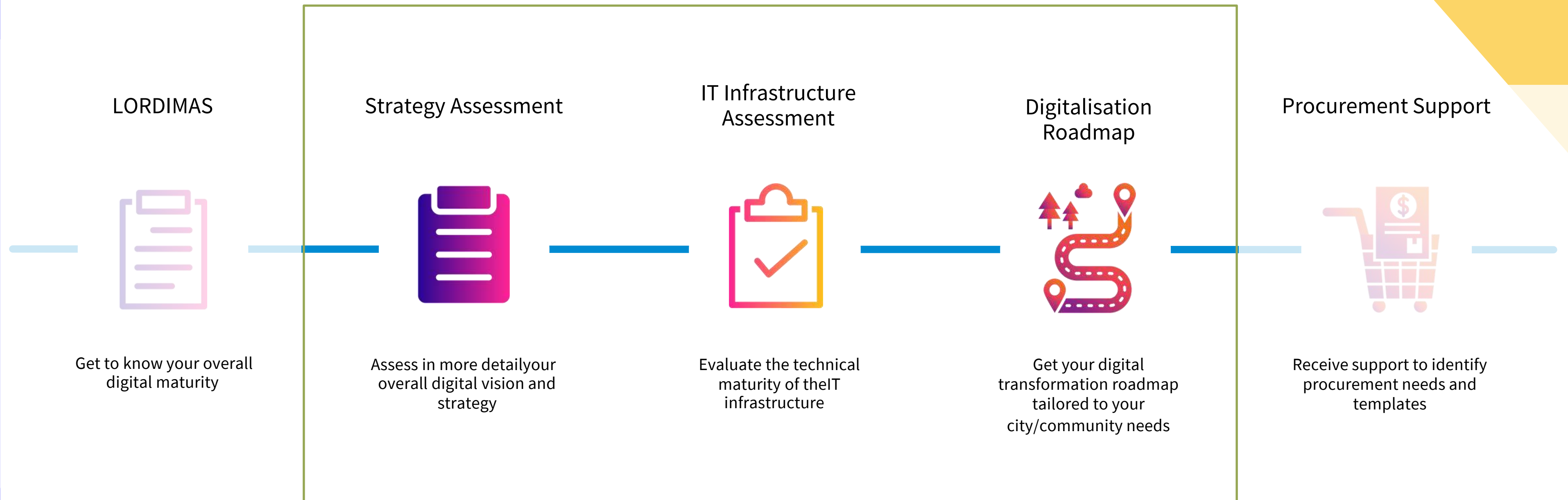
DEVELOPING YOUR DIGITALISATION ROADMAP



Developing your digitalisation roadmap

Learn how to implement the EU methodology to define your own
digitalisation roadmap

Focus of this training



LORDIMAS

Governance	Service design	Data management	Interoperability	Service delivery	Technology	Networking
Twin transition	Digital-by-default	Data strategy	Technical specifications	Digital services	Big data	Cross-sector
Strategy	Agile and iterative	Data catalogue	Open source	Once-only principle	Immersive tech	Multi-level
Institutions	User engagement	Data platform	Open standards	One-stop shop	AI	Peer-to-peer
Capacity	Data-driven	B2G/G2B data sharing	Shared data models	Digital inclusion	IoT	International
Monitoring	Innovation ecosystems	Sensor registry	Open APIs	Proactive services	Robotics	
Privacy & Security		AI registry	Building blocks		Blockchain	
		Personal data			5G	
		Digital twin				

Assessments Methodology



Strategy Assessment

This Assessment will be composed of two main sections:



Business and Strategic View As-Is:

Aims to understand the community's as-in ambition and strategy and capture the sectors and services that the city has already invested in



Business and Strategic View To-Be:

Understand what the community's strategic future for objectives, ambitions, services and sectors are which it aims to leverage technology to improve urban living and efficiency



IT Infrastructure Assessment

This Assessment will be composed of two main sections:



Digital systems/applications:

Seeks to comprehend what the community's current and future digital systems and applications are and how data is collected from IoT devices to feed them.



Infrastructure:

Aims to understand the infrastructure that the community has in place, namely the physical and technological backbone that could support or is supporting the operation of Smart City solutions

Strategy assessment



The main goal of this Assessment is to identify the position of the community as-is and target digital



Business and Strategic View As-Is:

- Identify city/ community's digital ambition and strategy
- Identify sectors that the city is already investing in



Business and Strategic View To-Be:

- Identify city/community's goals on implementing local digital platforms (and later on local digital twins)
- Identify use cases that can benefit from the implementation of digital twins
- Identify enabling factors such as a smart city office and KPIs

ASSESSMENT

EXAMPLE ASSESSMENT QUESTIONS OF

A ASSESSMENT OUTPUTS

AUDIENCE

Multiple Choice Questions

Questions to be answered in a Multiple-Choice format, allowing for more targeted answers

Open Questions

Questions to be answered whenever more detail is needed of a certain topic, allowing to understand the business and strategic view more deeply



Which of the following digital resources do you currently share with other communities?



How extensively defined is your strategic vision for digitalisation?



Valuable Insights

Collect valuable information to understand the community's current situation and how it can be addressed during the roadmap design, with regards to its vision, organisation and goals



Participants

Inputs should be provided by the following profiles:

Chief Executive Officer or similar*

Chief Technology Officer or similar*

Chief Data Officer or similar*

Strategy assessment

Strategic Priorities

Vision & Objectives

Multi-City Platform

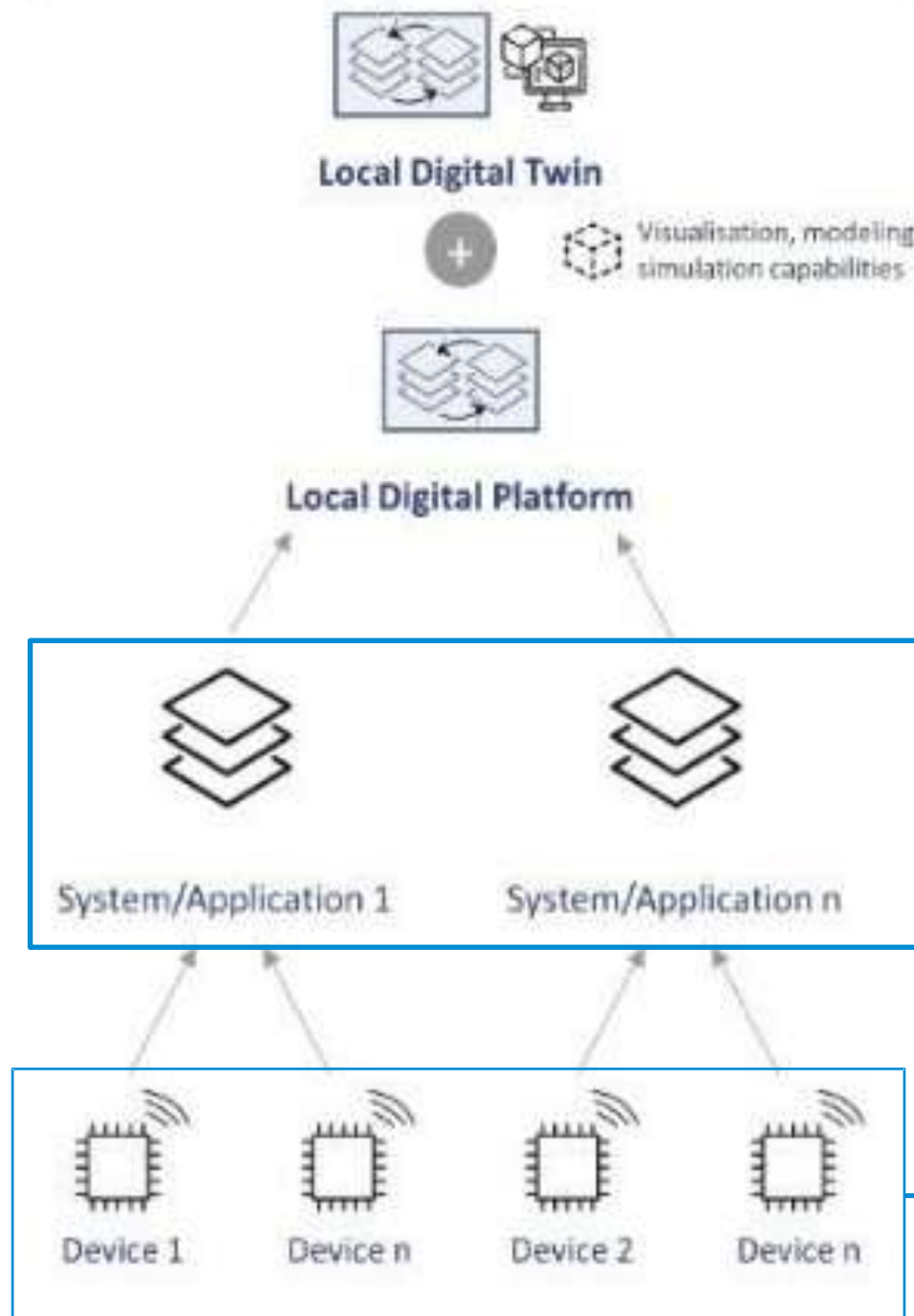
Governance

Strategic KPIs

IT Infrastructure assessment



The main goal of this section in the Assessment is to understand the city/community's digital platform maturity and



SYSTEMS/
APPLICATIONS

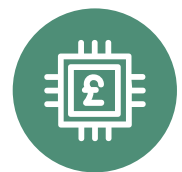


Definition:

Responsible for aggregating and processing sensor data to control and forecast often sector-specific operations

Target of the Assessment:

Understand if the community has any platform already in place and if those platforms are being shared between multiple cities/communities



IOT EVICES
D



Definition:

Responsible for collecting, preparing, and managing community data to be used by the sectorial platforms

Target of the Assessment:

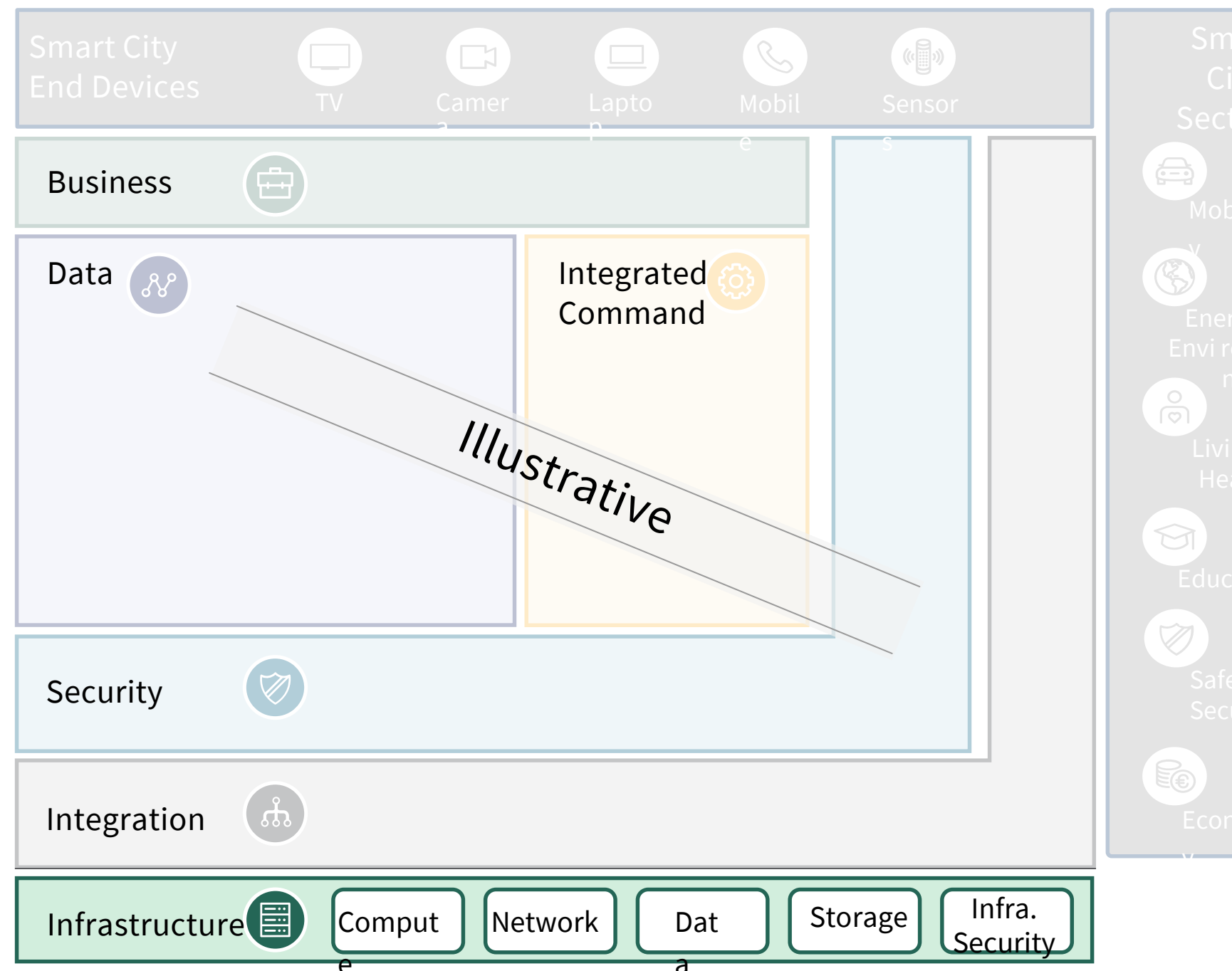
Understand if the community has any sensors in place from which they are collecting data

IT Infrastructure assessment



The main goal of this section in the Assessment is to assess the city/community technical level of maturity and have valuable insights on it.

REFERENCE ARCHITECTURE



INFRASTRUCTURE

CAPABILITIES

Compute

Applications and workloads require a great deal of compute capabilities, these services can be provisioned on demand or reserved

Network

Enables capabilities such as load balancing, segmentation and virtual data centres

Data

Examines large amounts of data to uncover hidden patterns, correlations and insights. Helps organisations harness their data and use it to identify new opportunities

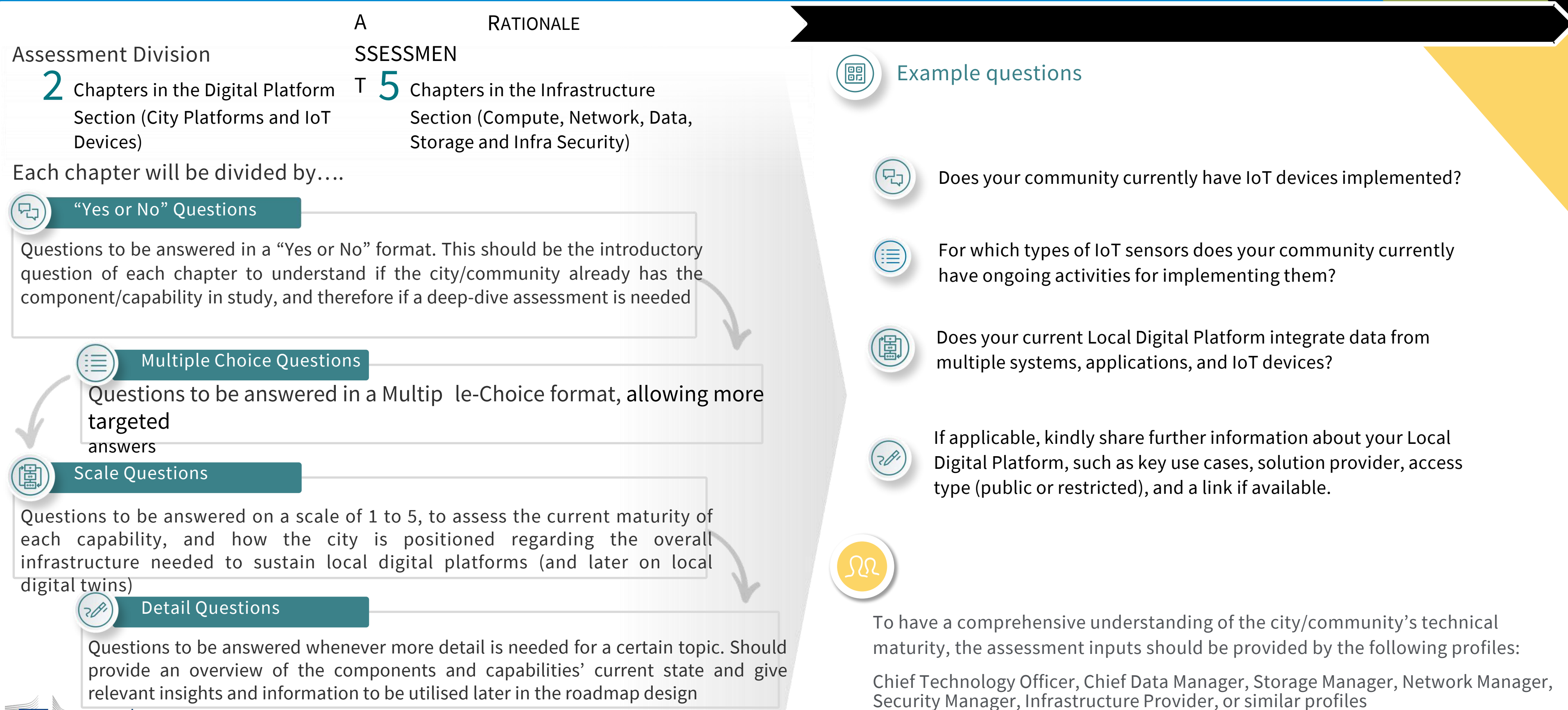
Storage

Delivers scalable, flexible and redundant storage capacity through web services API, online interfaces and thick client applications

Infrastructure Security

Secure the entire infrastructure which includes all hardware and software

IT Infrastructure assessment



IT Infrastructure Assessment

IoT	Systems & applications	Data	Storage	Compute	Network	Infrastructure Security
IoT	Smart City Applications	Data Strategy	On Premises	On Premises	Network Capacity & Effectiveness	Cybersecurity Policy
Device Management Strategy	Local Digital Platform	Data	Cloud	Cloud	Network Adaptability	Plan, Monitor & Test
Device Management Platform		Data Collection & Management		Cloud Computing Advanced Tech	Network Connectivity	Security Advance Measures
		Data Analysis			Network Coverage	Security Segmentation
		Data			Network	Privacy Compliance
		Data Retention & Backup			Reliability Network Redundancy	Disaster Recovery

Assessment to Roadmap

Assessments Contribution to the Roadmap



Strategy Assessment

Will allow for a targeted roadmap through the vision and strategy of the city/community, focusing on the sector that the city/community is investing in or wants to invest in



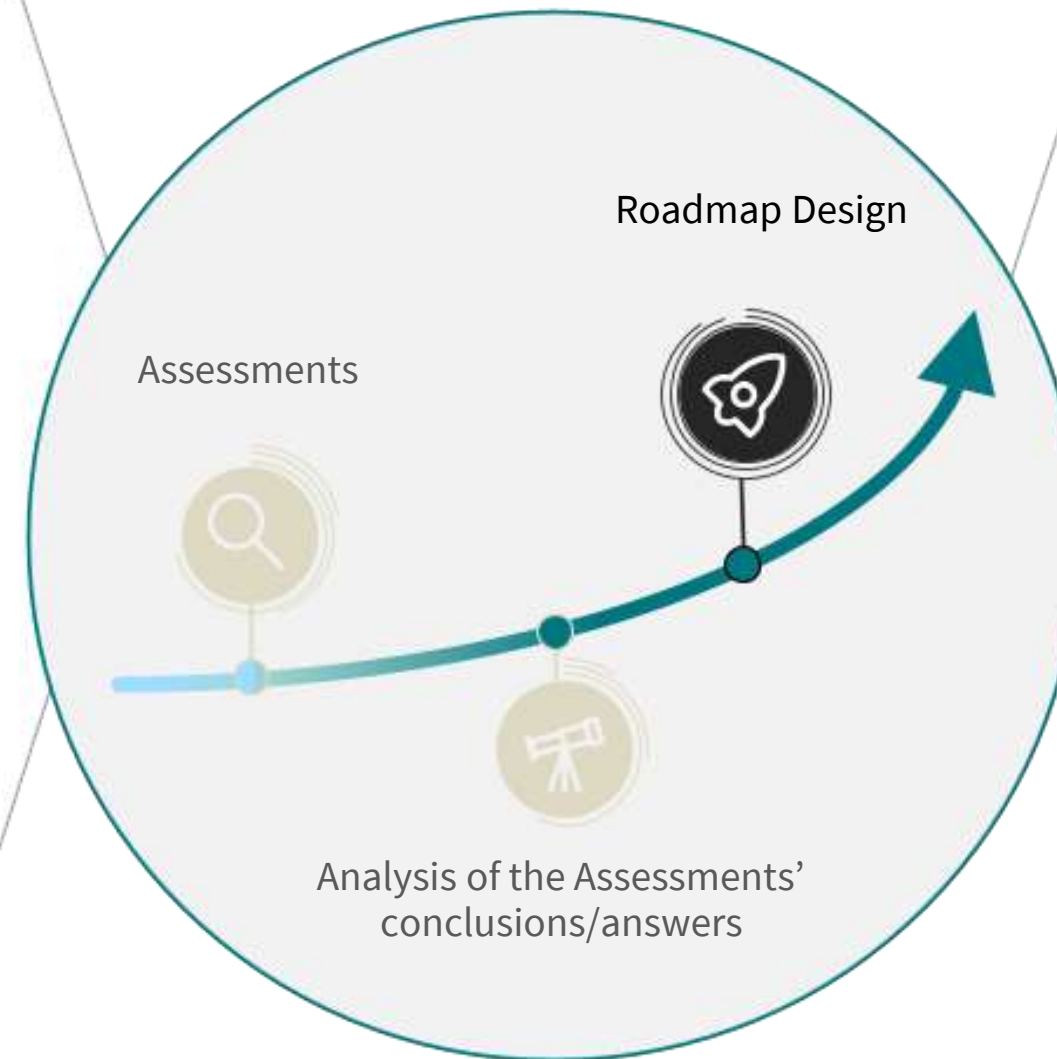
IT Infrastructure Assessment

Will allow for a more focused roadmap on what the city/community really needs to invest in and evolve, because of the following view:

- If the city/community has digital platforms

or sensors in place

- If the city/community is interoperable and the state of it
- The maturity level of the city/community's infrastructure and their current technical condition



First Look to the Roadmap Template Methodology

Roadmap Templates based on the Infrastructure Maturity Levels:

- Digital Absent
- Digital Embryonic
- Digital Pioneer

Digital Foundation
Digital Growth

Main Topics needed to be included in the Roadmap Template for each City/Community:

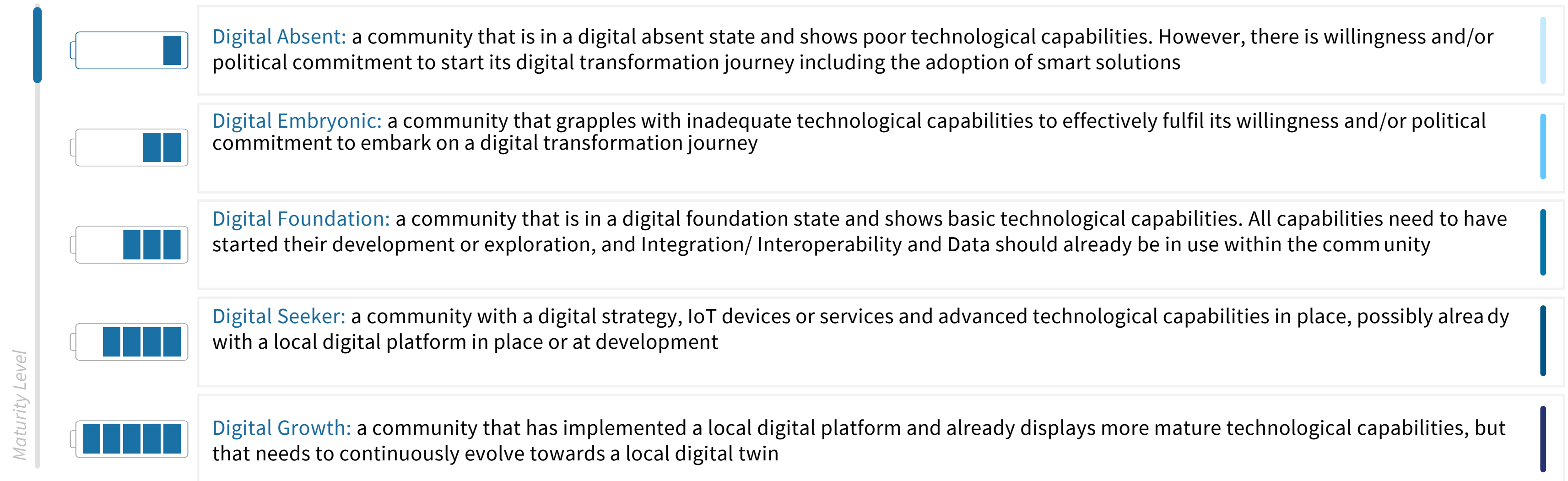
- Suggested Activities and “Must-have” Core Capabilities
- Use Cases Development and their Requirements
- Milestones, including the Procurement Processes and Templates

Technical Maturity Level



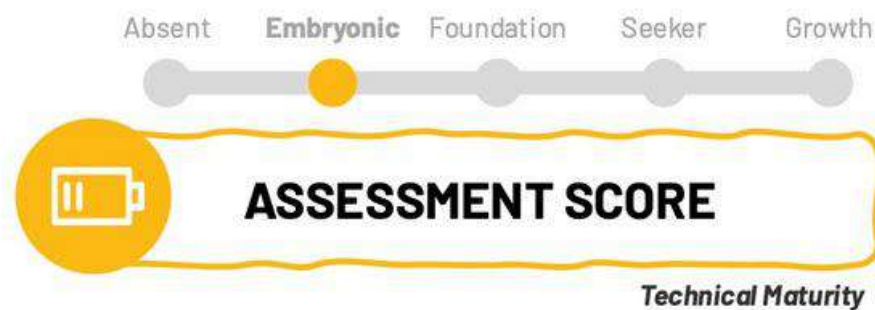
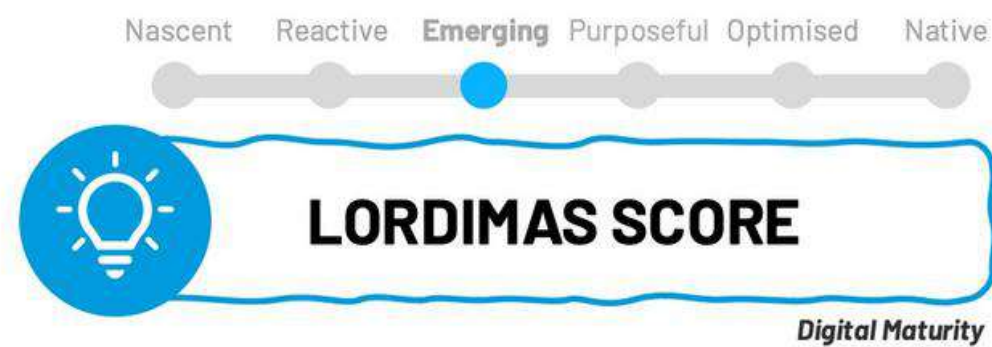
Technical Maturity Level

Based on the answers, calculate a maturity level that will serve as a benchmark for selecting the most appropriate roadmap template for each community



Assessment score

Your Maturity Level!



Note: The two maturity levels presented cover similar but somewhat different scopes of analysis, which may result in differences. The Digital Maturity results directly from LORDIMAS, while the Technical Maturity score focuses on IT core capabilities and aligning them with the strategic ambition of the community. The Technical Maturity Scores are derived from the combination of assessments performed within the helpdesk's scope and underpin the presented roadmap.

COMMUNITY NAME Assessment Scores:

Digital Maturity (LORDIMAS Assessment)

Governance	Service Design	Data Management	Interoperability	Service Delivery	Technology	Networking

Technical Maturity (LORDIMAS Assessment, Strategy Assessment, IT Infrastructure Assessment)

Digital Strategy	IoT Devices	Local Digital Platform	Integration/ Interoperability	Data	Storage	Compute	Network	Security
✓ Under development	●	✗	●	●	●	●	●	●

Caption: ✓ In place ✗ Not in place 1 Not at all 2 Initial exploration 3 Basic utilisation 4 Advanced utilisation 5 Outstanding utilisation

Key Considerations

- > Add text
- > Add text
- > Add text
- > Add text
- > Add text
- > Add text

Roadmap structure

The community's

Roadmap

The Enablers and Capabilities that are shown in the community's roadmap will translate into more detailed initiatives

Phases



Enablers & Capabilities



Initiatives

The community's roadmap can be divided into up to **3 main phases** according to its level of maturity, from the **beginning of the community's digital journey** until the implementation of a **Local Digital Twin**, namely:

- i. **Foundation**
- ii. **Growth**
- iii. **Expand & Accelerate**

Enablers

The roadmap may include up to **10 enablers** that facilitate and support the implementation of local digital twins. **Each enabler can have one or more sub-enablers** that collectively define the overall enabler

Examples: Strategy, MVP Digital Platform



Capabilities

The roadmap may include up to **9 main capabilities** that the community needs to have in place to enable efficient urban management and data-driven decision-making. **Each capability can have one or more sub-capabilities** that collectively define the overall capability

Examples: Data Capability, and Data Collection and Management Sub-

For each capability and enabler outlined in the community's previously defined roadmap, a corresponding **list of initiatives** is associated. The **initiatives will be refined** to what the community needs to **invest and ensure to have an outstanding utilisation** of the capabilities and enablers, according to its level of maturity in each sub-capability

Examples: "Identify and implement a

Backup Tool to streamline and enhance the effectiveness of the community's data retention and backup strategy and principles"

Reference Roadmap

Starting the Digital Journey

Implementing a Local Digital Twin

Increase of the digital transformation (local digital platforms and local digital twins)



Foundation



Growth



Expand & Accelerate

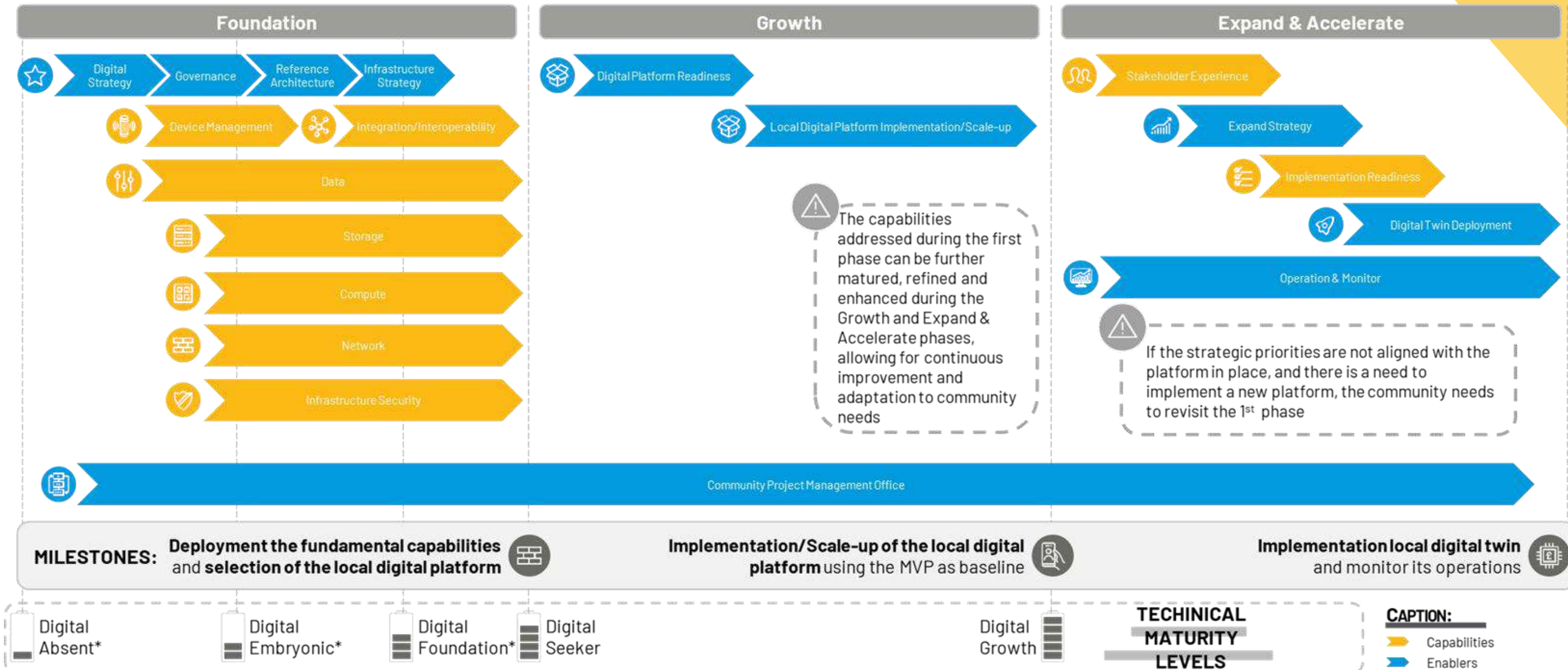
The main goal of this phase is to understand the strategy of the community and identify the core foundational capabilities and enablers to implement a Local Digital Platform

Growth phase focus on testing that the systems/applications, to be feasible, validate if the chosen systems/ application(s) are a fit for the community.

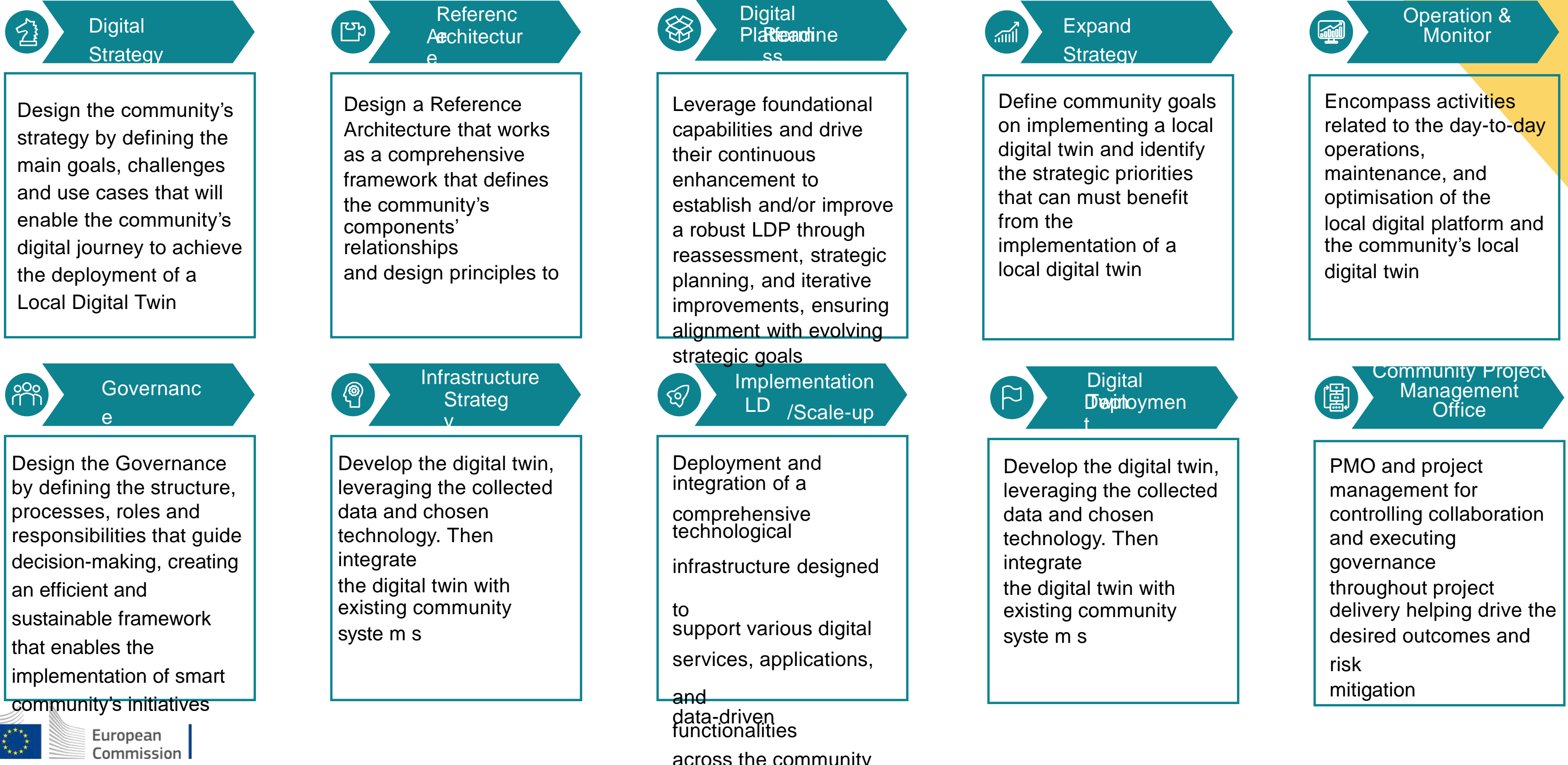
Following successful validation, the deployed MVP will serve as a foundation to accelerate the implementation of the Local Digital Platform

Address the strategy of the community to implement a Local Digital Twin. Ensure all essential tools and initiatives are in place and achieve a successful implementation of the Local Digital Twin. If the community's ambition is not aligned with the platform in place, and there is a need to implement a new platform, the community needs to go back for the 1st phase

Reference Roadmap



Roadmap streams (1/2)



Roadmap streams (2/2)

Device Management

Develop and implement strategies for effective management and maintenance of community devices or services, ensuring optimal performance and longevity

Data

Implement effective data management practices to collect, organise, and utilise data from various sources within the community's infrastructure, supporting data-driven decision-making

Network

Establish and maintain a robust network infrastructure to ensure seamless connectivity and communication across all community devices, enabling efficient data exchange

Security

Promote the delivery of a community's cybersecurity framework covering different capability elements such as people, process and technology

Implementation Readiness

Collect multi-source real-time/historical data, choose the technology best suited for community needs and collaborate with community/regional stakeholders, fostering knowledge sharing and goal-alignment

Integration/ Interoperability

Foster seamless interaction and data exchange among devices and applications, promoting an integrated and connected urban ecosystem

Storage

Analyse future storage requirements versus current state and develop recommendations for the proposed initiatives concluded around the deployment of storage infrastructure

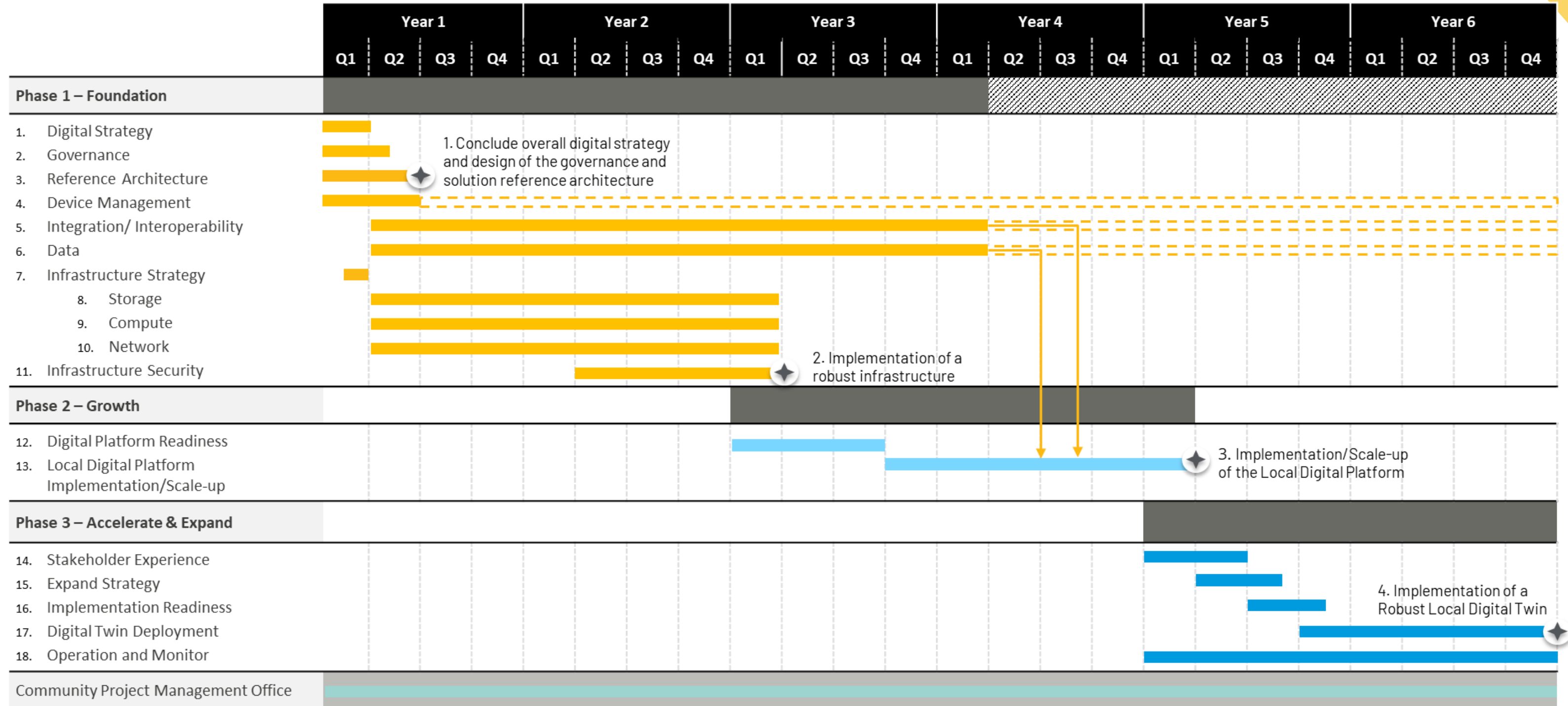
Compute

Implement robust computational capabilities that facilitate efficient data processing and decision-making within the community's ecosystem

Stakeholder Experience

Communicate and collaborate with community's stakeholders to understand their concerns and manage their vision of the community's goals and ambitions

Reference Roadmap



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

Caption: ● Phase ◆ Milestone

Initiatives

5 Data

Data Capability refers to the city's ability to effectively collect, process, manage, and utilise data from various sources and domains, including infrastructure, technologies and processes in place. This capability can be divided into 6 major sub-capabilities: Data Strategy, Data Governance, Data Collection & Management, Data Analysis, Data Centralisation and Data Retention & Backup.

Main Initiatives (1/2)

Data Strategy

- Design/ Review the Data Strategy which sets the approach for the acquisition, storage, management, sharing, usage and governance of data, in support of enhancing city digital services and improving quality of life for residents

Data Governance

- Review the Data Governance Principles, Framework and Tool selected, ensuring that is aligned with the community's ambition
- Identify Governance Tools for managing and ensuring the policies and standards, quality, security and compliance of the data used and collected by the city
- Implement a Data Governance Tool for managing and ensuring the policies and standards, quality, security and compliance of the data used and collected by the city

Data Collection & Management

- Review the Data Collection and Management Strategy, ensuring that is aligned with the community's ambition
- Drive the community towards a more data-driven paradigm by modernising data collection methods, as well as implementing and improving the collection of the data sources, e.g., based on specific events, periodically, and considering the integration of real-time data collection. Real-time collection is one of the most important components for a smart city, since it helps the community to make informed, timely decisions, enhancing efficiency and the quality of decision-making
- Gradually increase the variety and quantity of data sources to enrich the community's information landscape and enhance the quality of insights that can be produced from an increasingly integrated view

Foundation

Growth

Accelerate &
Expand

Calendar Estimate

Year 1				Year 2				Year 3			
01	02	03	04	01	02	03	04	01	02	03	04
Year 4				Year 5				Year 6			
01	02	03	04	01	02	03	04	01	02	03	04

Procurement Objects*

- Data Governance tool
- Real-time data collection tools
- Data providers
- Data analytics tool

**The procurement objects provided are preliminary versions and subject to further refinement*

Interdependencies

- 2 Reference Architecture
- 3 Device Management
- 6 Infrastructure Strategy

A person in a white shirt is holding a tablet. The tablet screen shows a city skyline at night with a network of white lines connecting various points, symbolizing smart infrastructure or data connectivity. The background is a blurred cityscape at sunset.

PROCUREMENT SUPPORT FOR SMART COMMUNITIES: LEARNING ABOUT THE EU TAILOR-MADE PROCUREMENT TEMPLATES AND GUIDELINES

Procurement support for Smart Communities: Learning about the EU tailor-made procurement templates and guidelines

Agenda of the training session

1 Scope of the training | Objective, learnings and target audience

2 Procurement process overview and identification of needs

3 Procurement support | Templates and Guidelines

4 Call to action | Get involved in the review process!

1. Learn how to understand and identify your procurement needs to implement enhanced ICT solutions.
2. Learn how to use the procurement materials provided by the *Support services for EU Smart Communities* project for the acquisition of key technical components and services needed to advance digital initiatives.

0

What the procurement support is about

Identification of procurement needs

Access to open procurement templates

Access to procurement guidelines

0

2

How to effectively use the procurement templates

Procurement templates provide you with open and MIM-compliant *tender* and *technical specifications* templates, that are customisable for each community.

0

How to benefit from the procurement guidelines

Procurement guidelines will orient you throughout your procurement process

1 Scope of the training | Target Audience

Overall, the training session is designed for users who want to scale-up their digitalisation journey towards the implementation of local digital platforms and twins.

Urban managers
and planners

Sustainability
managers

Digitalisation and
Smart City experts

Innovation
managers

Data Managers

ICT Managers

Procurement
Officer

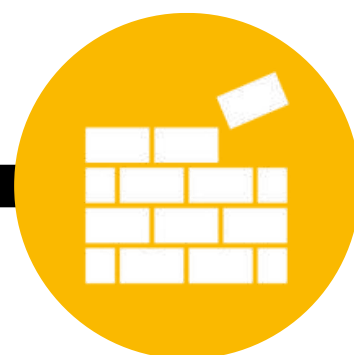
FROM THE ROADMAP TO PROCUREMENT SUPPORT

Digitalisation
Roadmap



Based on their level of digital maturity, communities define a digitalisation roadmap

Initiatives
identification



Communities identify a set of initiatives to build the capabilities required for the development of LDPs and LDTs, on the basis of the strategy defined

Procurement
needs



Communities identify their procurement needs, focusing on the procurable initiatives

Procurement
templates



Communities will have access to open procurement templates to customise and use when launching procurement processes

Procurement
guidelines

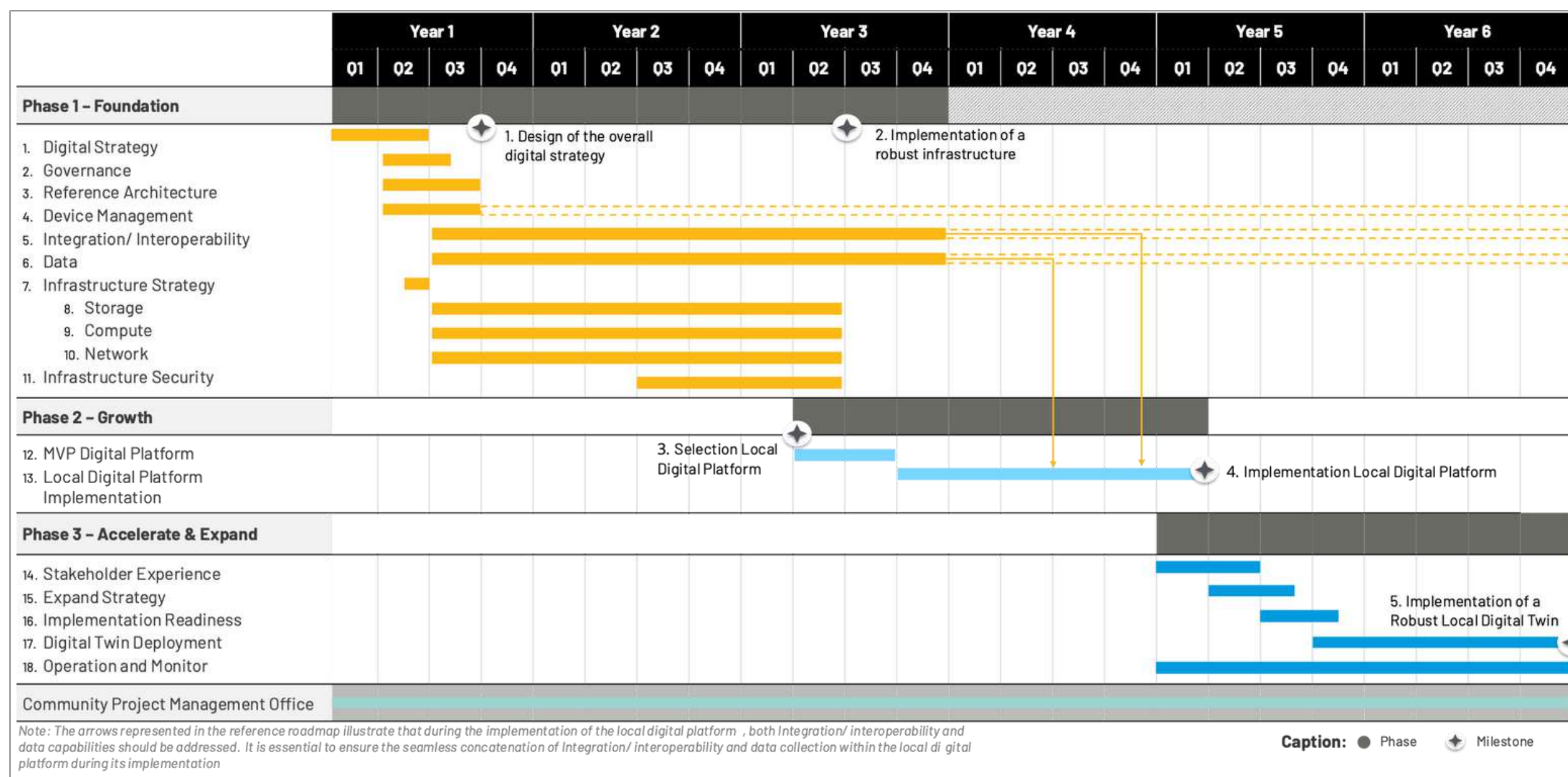


Communities will have access to a set of guidelines, as supporting material of the templates, to address questions, doubts and problems

Digitalisation Roadmap and identification of initiatives

- Communities develop a digitalisation roadmap, based on their digitalisation level. The roadmap presents the
- key technical capabilities that a community needs to build to develop LDPs and LDTs. For this, a set of
- initiatives and an implementation timeline are defined.

Overview of capabilities and enablers and correspondent reference timeline



Mapping procurement needs

From initiatives to procurement materials

Defining the digitalisation roadmap

Identifying
procurement needs

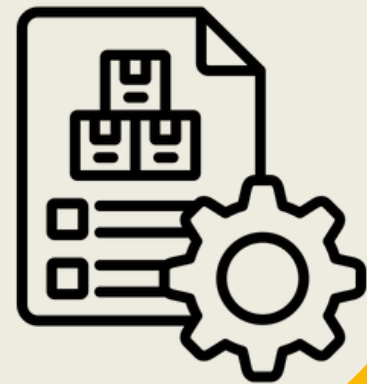
Tailoring and using
the templates

Capabilities &
enablers

Initiatives

Procurement
needs

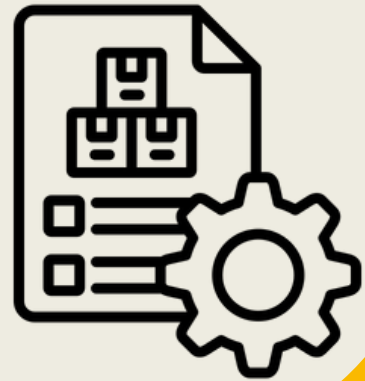
Specific procurement
template



Procurement
Templates



Procurement
Guidelines



Procurement
Templates



Procurement
Guidelines



Procurement
Templates

COMING
SOON

in English,
French and
German!

Tender specifications



Scope and description
of the procurement



General tendering
information



Evaluation and award

Technical specifications



Compliance checks
and warranty



Technical and functional
requirements



Minimum Interoperability
Mechanisms (MIMs)

Procurement Templates



Procurement
Templates

TEMPLATE

contains ➔

PROCUREMENT OBJECTS

IoT devices Data & security user-facing applications	IoT devices User authentication federation tool, Cyber threat detection tool, Data governance tool, GDPR compliance tools
Backend data SW application	Data analytics tool (3D modeling services), Data Backup tool, Data prediction and simulation models, Real-time data analytics tool, Real-time data collection tools
Network infrastructure	Network, Network monitoring tool, Network capacity infrastructure Hardware
IoT platform	IoT platform
On premises computing	On-premises Automatic Computing Management Tool, On-premises Computing measures Tool, On-premises Computing Provisioning and Cleanup Tool
On premises storage	On-Premises Automatic Storage Management tool, On-Premises Storage Provisioning and Cleanup tool
Cloud computing	Advanced cloud computing tools, Cloud Automatic Computing Management Tool, Cloud Computing measures Tool, Cloud Computing Provisioning and Cleanup Tool
Cloud storage Software	Cloud Automatic Storage Management tool, Cloud Storage Provisioning and Cleanup tools
development services	Ad hoc SW development services, PETs application, Middleware Software
Information provider services	Data providers
User-facing platform	Local Digital platform
Cloud connection services (IaaS)	IaaS: edge computing, virtual machines, containers, etc.
Cloud connection services (SaaS)	SaaS software (managed in a stack logic)
Cloud connection services (PaaS)	PaaS platforms (managed in a stack logic)



Procurement
Templates



Procurement
Guidelines



Procurement
Guidelines

Thematic areas



Templates guidance



Tender development



Market engagement



Evaluation & award



Funding & financing

Procurement Guidelines



Procurement
Guidelines

List of Guidelines

AREA	GUIDELINE
Templates guidance	How to use the templates and guidelines Tailoring procurement templates Key features and considerations to use the templates Guidance on user profiles Guidance on needs identification EU legal frameworks and compliance Technical specifications reading and tailoring Innovation procurement Engagement of market actors and SMEs Sustainability and social goals Supplier evaluation processes and negotiation Conditionalities and contractualisation MIMs, standards and certifications' compliance
Tender development	
Market engagement	
Evaluation & award	
Funding & financing	Guidance on EU Support and Finance

Call to action

Get involved in the review process!

LDT procurement material |
Interest in providing feedback





QUESTIONS AND ANSWERS



European
Commission |

Call to Action: Reminder

1



**Prepare your strategy to
implement Local Digital
Twins**

2



**Join the Living-in.EU
movement**

3



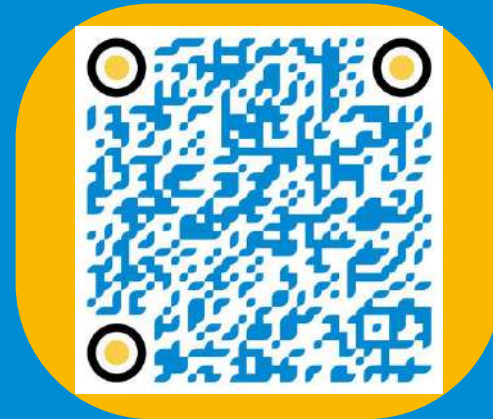
**Evaluate your digital
maturity with LORDIMAS**

4



**Discover the MIMs Plus to
start building your Open
Data Architecture
Framework**

5



**Access the EU Support
Services for Smart
Communities**

6

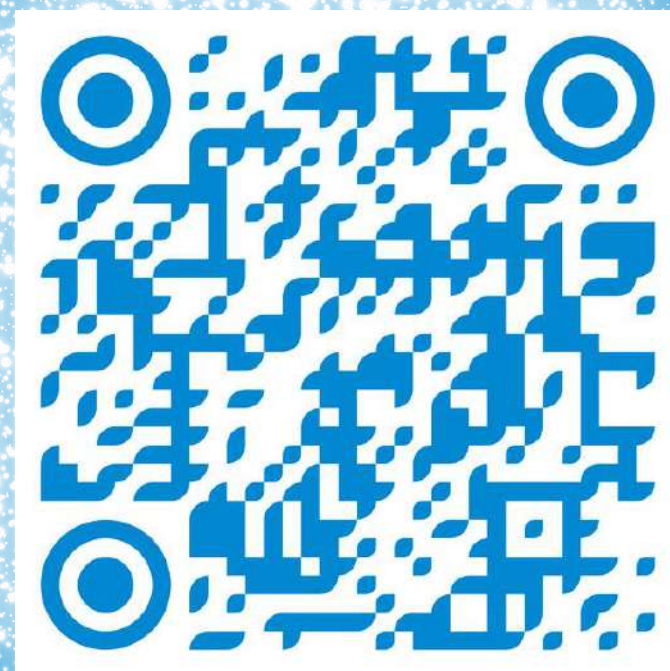


**Express your interest to
participate to the Online
Procurement Helpdesk**

**REGISTER
FOR THE
NEXT TRAINING
SESSION!**

PREPARATION
Online Training 2
28.05.2025
9:30

We value your feedback!



<https://gqr.sh/RHWc> 🔍

Call to Action: Register to trainings

Croatia

Phase 2: Preparation

Preparation Phase How to Set Up Your IT Infrastructure

- Understand the importance of open and shareable data as the foundation of your data infrastructures.
- Learn how to implement open data platforms and data spaces through an open reference architecture supported by MIMs
- Discover the open-source tools available through the EU Local Digital Twin toolbox

 28.05.2025

 9:30

Phase 3: Empowerment

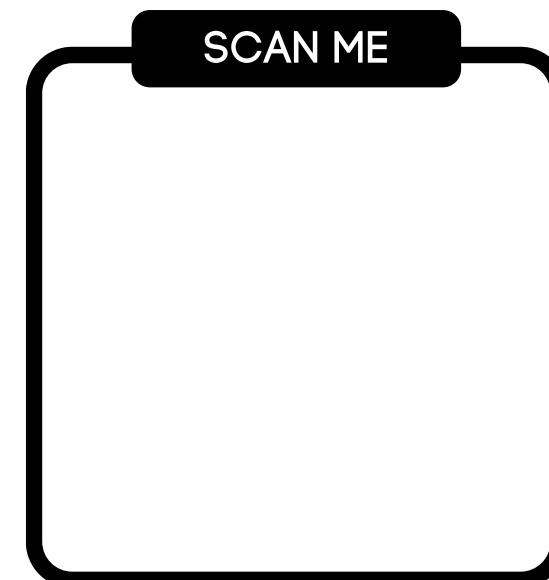
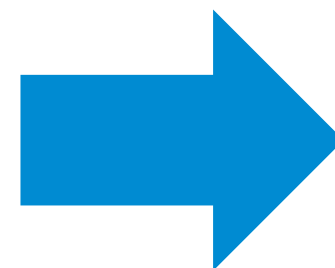
SUPPORT AND NETWORK How Funding and the Community Supports You

- Discover the Living-in.EU learning community, how to make use of the resources developed for and by the community, and how to engage with their activities
- Discover funding opportunities at EU level and learn how to apply and prepare your proposal

 11.06.2025

 9:30

Please register here



Jačanje spremnosti hrvatskih lokalnih vlasti za digitalizaciju uprave

U suradnji s



THANK YOU