

LOCAL DIGITAL TWINNS

Lot 1:

Increase the awareness and readiness of EU communities



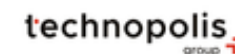
Training Session - Exploration Phase

in collaboration with



March 14th, 2024

The Netherlands



Session Moderators



Wouter Heijnen
VNG



Ignacio García
Serendipity



ROUNDTABLE

Agenda for Training Session: The Netherlands

Phase 1:

Exploration Phase How to Start Your Digitalization Journey

- Introduction to Local Digital Twins
- Deep dive into the EU initiatives and funding opportunities
- Supporting communities, introducing Living-in.EU
- Understanding the digital maturity of your city through assesment

 March 14th, 2024  15:30-17:00 (CET)

Phase 2:

Technology Phase How Urban Data Platforms Can Empower Cities

- EU Data Spaces, Open Data platforms, LDTs
- Open Architecture Framework Model for Digital ecosystem for cities and communities

 April 18th, 2024  15:30-17:00 (CET)

Phase 3:

Practical Phase Use Cases and Supporting Services

- Practical examples of LDTs to achieve the EU Green Deal goals
- Supporting services to set up the roadmap and procurement documentation to implement LDTs

 May 16th, 2024  15:30-17:00 (CET)

Detailed Agenda Overview

Phase 1: Exploration Phase - How to Start Your Digitalisation Journey



March 14th



15:30 - 17:00 CET

TIME	TOPIC	SPEAKER
15:30	Introduction	Moderators: Wouter Heijnen (VNG) Ignacio García Vega (Serendipity)
15:40	EU initiatives and Funding Opportunities	Ignacio García Vega (Serendipity)
15:55	Ecosystem support - Living-in.EU	Gabriela Ruseva (Eurocities)
16:10	Dutch Ecosystem - The Dutch Societal Innovation Hub	Hans Teuben Harald Wouters
16:25	Maturity Assesment - LORDIMAS	Hannah Bernard (Technopolis)
16:40	Questions	Moderators
16:55	Closing	Moderators

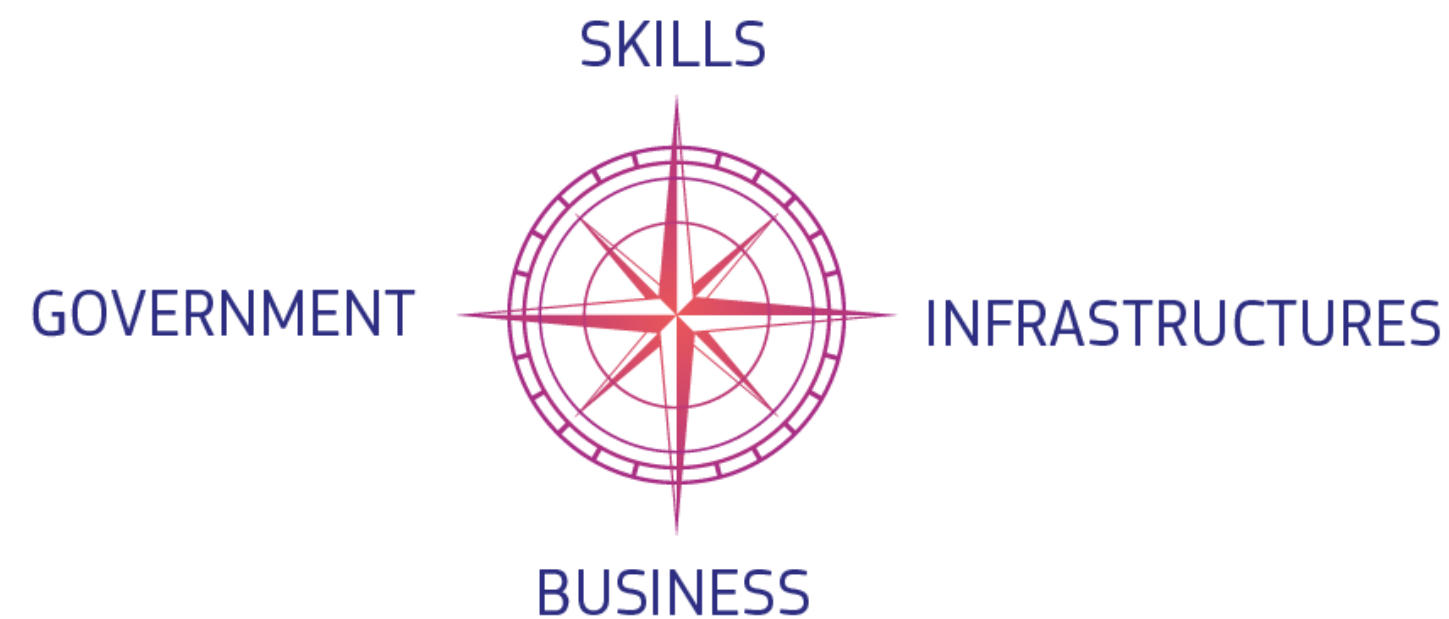
LOCAL DIGITAL TWINS

What is a Local Digital Twin?

A Digital Twin is a continuous learning digital copy of real-world assets, systems and processes...



Let's make this
Europe's Digital Decade!



The European Green Deal

#EUGreenDeal

The History of Digital Twins

1985 - 2002

Information Monitoring

Introduction to the Digital Twin concept focused on R&D engineering and dedicated to workstations and services within the manufacturing sector

2003 - 2014

Digital Simulation

Systematic interlinking between simulation and workflow access.
Access to web browser

2014- 2016

IoT Devices

Device connectivity with effective data transmission between physical and virtual spaces.

Wide application of big data, IoT and cloud computing

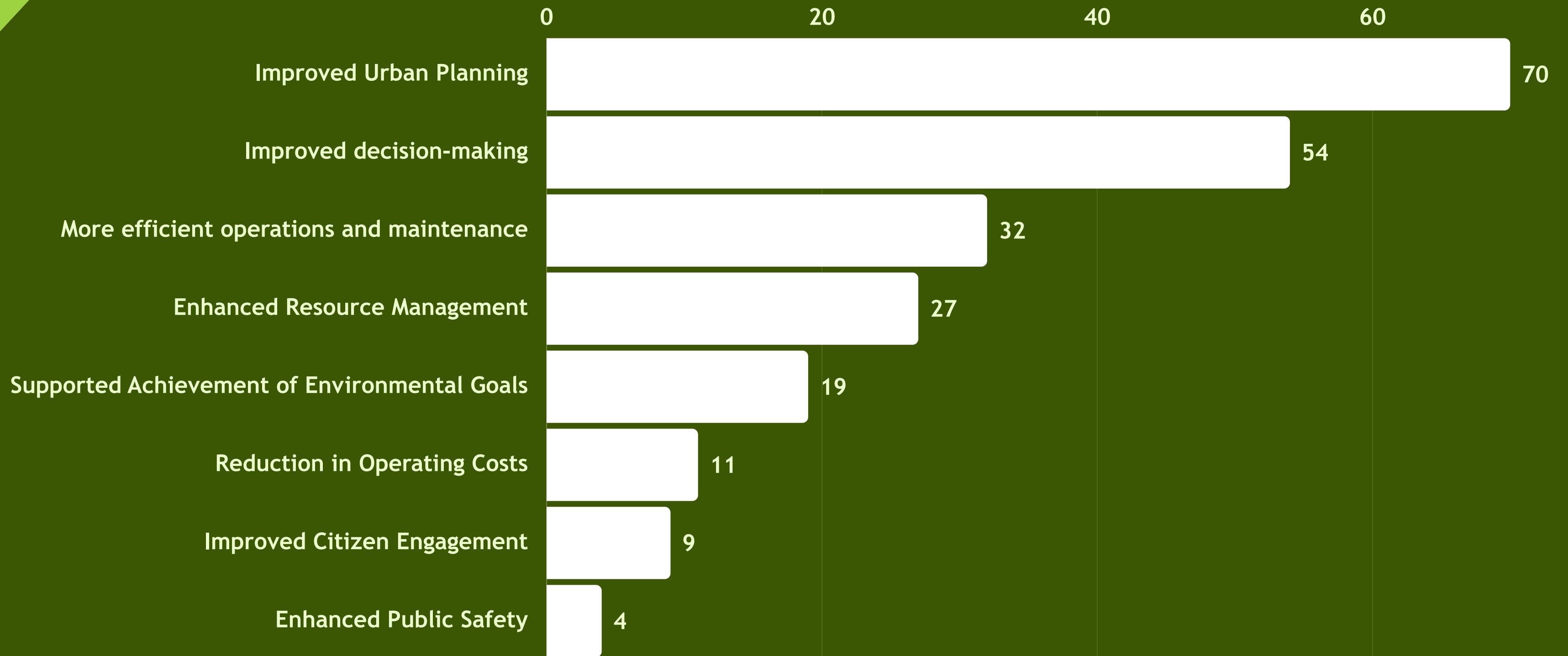
2017 - 2024

Decision Making Tools

Use of AI and ML techniques for real time decision making, optimization, and prediction.

Implementation of AR/VR for real time simulation

What Are LDTs Used For?



Application Use Case

1

Urban Planning / Zoning / Development

Land use

Building footprints
Shadow and wind patterns

Application Use Case

1

Urban Planning / Zoning / Development

2

Asset & Infrastructure Management

Land use

Building footprints
Shadow and wind patterns

Asset tagging

IoT Sensors
Infrastructure data

Application Use Case

1

Urban Planning / Zoning / Development

Land use

Building footprints
Shadow and wind patterns

2

Asset & Infrastructure Management

Asset tagging

IoT Sensors
Infrastructure data

3

Environmental & Climate Monitoring

IoT sensors

Topography
Water and Climate Models

Application Use Case

1

Urban Planning / Zoning / Development

2

Asset & Infrastructure Management

3

Environmental & Climate Monitoring

4

Public Safety and Crowd Dynamics

Land use

Building footprints
Shadow and wind patterns

Asset tagging

IoT Sensors
Infrastructure data

IoT sensors

Topography
Water and Climate Models

Optical sensors

Video
GPS

Application Use Case

1 Urban Planning / Zoning / Development

2 Asset & Infrastructure Management

3 Environmental & Climate Monitoring

4 Public Safety and Crowd Dynamics

5 Transportation and Pedestrian Planning

Land use

Building footprints
Shadow and wind patterns

Asset tagging

IoT Sensors
Infrastructure data

IoT sensors

Topography
Water and Climate Models

Optical sensors

Video
GPS

Lighting

Traffic
Ped counting

Application Use Case

1 Urban Planning / Zoning / Development

2 Asset & Infrastructure Management

3 Environmental & Climate Monitoring

4 Public Safety and Crowd Dynamics

5 Transportation and Pedestrian Planning

6 Facilities Management

Land use

Building footprints
Shadow and wind patterns

Asset tagging

IoT Sensors
Infrastructure data

IoT sensors

Topography
Water and Climate Models

Optical sensors

Video
GPS

Lighting

Traffic
Ped counting

Building details

HVAC and utilities
Optical sensors

Application Use Case

1

Urban Planning / Zoning / Development

Land use

Building footprints
Shadow and wind patterns

GIS

Planning

2

Asset & Infrastructure Management

Asset tagging

IoT Sensors
Infrastructure data

Public works

Economic development

3

Environmental & Climate Monitoring

IoT sensors

Topography
Water and Climate Models

Parks

4

Public Safety and Crowd Dynamics

Optical sensors

Video
GPS

Transportation

Environment

5

Transportation and Pedestrian Planning

Lighting

Traffic
Ped counting

Police

Fire

6

Facilities Management

Building details

HVAC and utilities
Optical sensors

Emergency management

Public safety

Facilities management

🌿 Data, the new soil 🌿



Unique Value Proposition of LDTs



Digital Twin

Connect legacy systems

Make data understandable

Explore policy impact

Influence better public decisions

Experiment and innovate in cities and across regions



Are You Ready to Invest In and Implement LDTs?

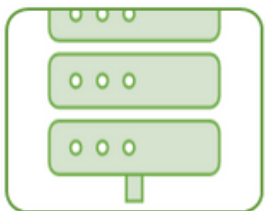
Here's where to start:



Vision - strategy, leadership, business case development, budgeting



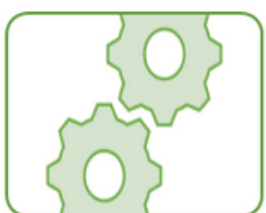
Culture - innovation, constituent engagement, transparency



Data - data protection/privacy, open data, data sharing, discovery & analysis



Technology - IT architecture, network, security, disruptive technology



Process - governance, partnerships, org structure, measurement (KPIs)

- Identify Use Cases to Pilot.
- Define the scope of the project and align with key stakeholders. Articulate your success criteria.
- Locate critical data sources and assess which you have internally, and which you will need to acquire.
- Determine who your users will be and what new skills and training they will need.
- Evaluate technology integration and data interoperability issues.
- Focus on your current technology ecosystem capabilities and where there are synergies that can ease that deployment and lower cost.
- Think about how these technologies can aid transparency and engagement as well as break down traditional silos.
- When successful, what comes next? How do you sustain that success throughout its lifecycle?



EU INITIATIVES + INVESTMENT

EU Supporting Initiatives and Investment

After completing this training, I acquired the necessary knowledge and skills to:

1 Understand the main EU initiatives supporting your digital journey.

2 Identify funding opportunities available through the Digital Europe Programme.

3 Navigate the basic requirements for participation and the application process.

4 Assess co-funding investment needs



EU Initiatives Toward the Implementation of LDTs

1.

Support Services and Tools:

- LORDIMAS: Digital Maturity Assessment Tool
- LDT Procurement Helpdesk: Procurement Support
- EU Local Digital Twin Toolbox: Open Standard Solutions

2.

Development of New Regulations:

- AI Act: Guidelines for AI Applications
- Interoperable Europe Act: Promoting Interoperability
- Data Governance Act: Effective Data Governance

3.

Establishment of Ecosystems:

- Living-in.EU: Community Collaboration
- OASC: Interoperability mechanisms (MIMs)
- CitiVERSE EDIC: Deployment Facilitation
- European Data Space for Smart Communities: Data Sharing

4.

Funding Opportunities:

- Horizon Europe, Digital Europe, CFS Programs
- Digital Europe Programme: Reinforcing Digital Capacities



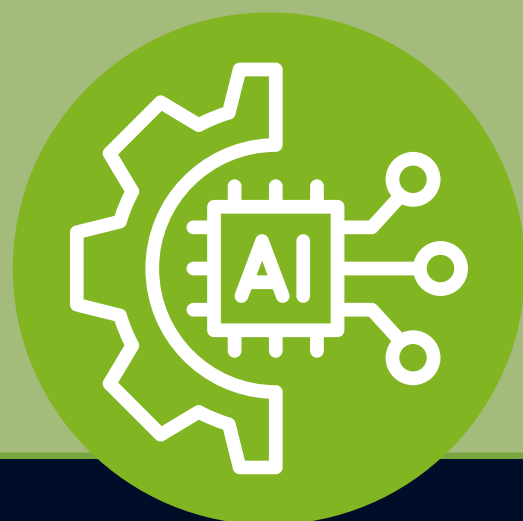
Digital Europe Programme Overview

It will strengthen investments in supercomputing, artificial intelligence, cybersecurity, advanced digital skills, and ensuring a wide use of digital capacity across the economy and society.



Supercomputing

€ 2,2 Billion



**Artificial
Intelligence**

€ 2,1 Billion



Cybersecurity

€ 1,7 Billion



**Advanced
digital skills**

€ 580 Million



Digital Capacity

€ 1,1 Billion

Current Work Programme



On 24 March 2023, the EC adopted the Digital Europe Work Programme for 2023-2024 (€392 million in 2023 and €517.5 million in 2024).



On 29 February 2024 the new call for proposals was published on the Funding and Tenders portal.

Deadline 9 May 2024 at 17:00 CET

Cloud AI

- Reference deployments of European cloud-edge services (industrial IoT Edge and Telco Edge developments)
- Energy Data Space
- European Green Deal Data Space
- Supporting patients' access to their health data in the context of healthcare services for citizens across the EU
- Common European mobility data space
- Demonstrating the in-service use of the European Electronic Health Record Exchange Format (EEHRxF) in healthcare settings

CLOUD AI topics description

AI & AI ACT

- AI in support of Quantum-Enhanced Metabolic Magnetic Resonance Imaging Systems
- Alliance for Language Technologies (CSA)
- Making available a high-performing open-source European foundation model for fine-tuning
- Alliance for Language Technologies (SG)

- AI regulatory sandboxes: EU-level coordination and support
- EU AI Innovation Accelerator preparatory action
- Pilot action for the establishment of future Union Testing Facilities in AI

AI and AI ACT topics description



Cloud Data & Cloud Data AI

- Support for Health Data Access Bodies to foster efficient pathways for AI in healthcare
- Data Space for Manufacturing (deployment)
- Data Space for Skills (deployment)

- Agricultural Data Space (Deployment)
- Competence Centre for 3D (deployment)
- 1+ Million Genomes: sustainability and uptake

Cloud Data and Cloud Data AI
topics description

Skills, Best Use, Cybersecurity

- Advanced Digital
 - Digital Skills and Jobs Platform
- Advanced skills
 - Girls and Women in Digital
- Best use
 - Innovative and Connected Public Administrations
- Advanced digital skills (deadline: 21 March 2024)
 - Specialised education programmes in key capacity areas - Advanced digital skills analysis
 - Specialised education programmes in key capacity areas
 - Cybersecurity Skills Academy
- Cybersecurity deployment (deadline: 26 March 2024)
 - Novel applications of AI and other enabling technologies for security operation centres
 - Deployment of Post Quantum Cryptography in systems in industrial sectors
 - Tools for compliance with CRA requirements and obligations
 - Standardisation and awareness of the European transition to post-quantum cryptography
 - Strengthen Cybersecurity capacities of European SMEs in line with CRA requirements and obligations
 - Roadmap for the transition of European public administrations to a post-quantum cryptography era

Advanced Digital, Advanced Skills, Best use, Advanced digital skills, Cybersecurity

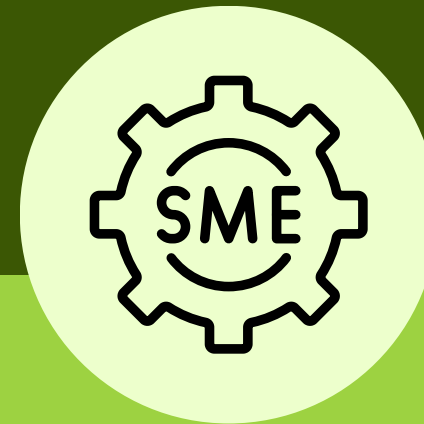
Main Types of Actions



Simple Grants

Flexible type of action, for a variety of topics, can cover most activities and the partners will mostly use personnel costs

50% funding rate for all



SME Support Actions

Activities directly aiming at supporting SMEs involved in building up and the deployment of digital capacities.

75% funding rate for SMEs
50% funding rate for all other



Coordination and Support Actions (CSA)

A small type of action with the primary goal to promote cooperation and/or provide support to EU policies.

100% funding rate for all

Participation requirements



Main requirements (specific requirements in the call document)

- Most calls require proposals from consortia, consisting of partners from different eligible countries
- Most consortia need to gather a minimum number of partners.
- Some call topics specify types of organisations that have to be part of a consortium



Eligibility

- Legal entities (public or private bodies and international organisations of European interest)
- that are established in a EU member state or an eligible non-EU country
- There may be restrictions regarding security and strategic autonomy (calls regarding cybersecurity, AI and HPC)



Participation of third countries

- Countries already associated: Norway, Iceland, Liechtenstein (EEA)
- Countries showing interest in association: Turkey, Serbia, Israel and Ukraine
- Entities from third countries can participate in the consortia but cannot receive funding.

Application Process

Read the topic in the funding and tender portal carefully:

Topic Identification

Specialised education programmes in key capacity areas
DIGITAL-2023-SKILLS-05-SPECIALEDU

Available Information

Topic Call for proposal

Internal navigation

- General information
- Topic updates
- Topic description
- Conditions and documents
- Partner search announcements
- Start submission
- Topic related FAQ
- Get support
- Call updates

[Go back to search results](#)

General information

Programme
Digital Europe Programme (DIGITAL)

Call
Advanced Digital Skills (DIGITAL-2023-SKILLS-05)

Type of action
DIGITAL-LS DIGITAL Lump Sum Grants

Deadline model
single-stage

Type of MGA
DIGITAL Lump Sum Grant [DIGITAL-AG-LS]

Opening date
21 November 2023

Open for submission

Deadline date
21 March 2024 17:00:00 Brussels time

Topic description

ExpectedOutcome:

Expected Outcome and Deliverables:

Consortiums of higher education institutions, vocational education and training institutions, research organisations and businesses delivering advanced digital technology programmes and multi-disciplinary courses for users of advanced digital technologies. □ At least, supported to...

[Show more](#)

Topic updates

Feb 19, 2024 8:37:42 AM

The prefinancing rate for this topic is 60 percent.

[Show more](#)

Dec 1, 2023 11:30:28 AM

For the 'Specialised education programmes in key capacity areas' topic, the Topic ID is DIGITAL-2023-SKILLS-05-SPECIALEDU and it should be read as such throughout the call document.

[Show more](#)

Budget overview

Topic	Budget (EUR) - Year : 2023	Stages	Opening date	Deadline	Contributions	Indicative number of grants
DIGITAL-2023-SKILLS-05-SPECIAL-PROGEDU - DIGITAL-CSA DIGITAL Coordination and Support Actions	2 000 000	single-stage	21 November 2023	21 March 2024		1
DIGITAL-2023-SKILLS-05-CYBERACADEMY - DIGITAL-SIMPLE DIGITAL Simple Grants	10 000 000	single-stage	21 November 2023	21 March 2024		3
DIGITAL-2023-SKILLS-05-SPECIALEDU - DIGITAL-LS DIGITAL Lump Sum Grants	30 000 000	single-stage	21 November 2023	21 March 2024		3

Budget overview

Deadline

Topic Description

Application Process

Topic Documents

Partner Search Tool

Create the Proposal

The screenshot shows the application portal for 'Specialised education programmes in key capacity areas' (DIGITAL-2023-SKILLS-05-SPECIALEDU). The page is divided into several sections:

- Internal navigation:** A sidebar on the left with links for 'General information', 'Topic updates', 'Topic description', 'Conditions and documents', 'Partner search announcements', 'Start submission', 'Topic related FAQ', 'Get support', and 'Call updates'. A 'Go back to search results' link is also present.
- Topic conditions and documents:** A section with a red box highlighting the title. It contains a list of conditions: 1. Admissibility conditions, 2. Eligible countries, 3. Other eligibility conditions, 4. Financial and operational capacity and exclusion, 5. Evaluation and award, 6. Legal and financial set-up of the grants, and 7. Award criteria, scoring and thresholds. It also lists documents like 'CALL DOCUMENT', 'Standard application form', and 'Detailed Budget Table (DEP LSI)'. A red box highlights the 'Conditions' section.
- Partner search announcements:** A section with a red box highlighting the title and a 'View / Edit' button. It shows '63 Searches of partners to collaborate on this topic'. Below the title, it states: 'LEARs, Account Administrators or self-registrants can publish partner requests for open and forthcoming topics after logging into this Portal, as well as any user having an active public Person profile.'
- Start submission:** A section with a red box highlighting the 'Start submission' button. It provides instructions on how to access the Electronic Submission Service and existing draft proposals. It asks the user to select the type of submission: 'DIGITAL Lump Sum Grants [DIGITAL-LS]', 'DIGITAL Lump Sum Grant [DIGITAL-AG-LS]', or 'Start submission'.
- Topic related FAQ:** A section with a red box highlighting the title and a search bar. It shows '13 item(s) found'. Two FAQ items are visible: 'Do all participating organizations need to be involved both in the design and delivery of higher education programme(s) and the self-standing modules? Or can specific organizations be involved in only one of those activities?' and 'Under DIGITAL-2023-SKILLS-5-SPECIALEDU, how can the democratization of AI initiatives - including AI ethics, AI critical thinking, AI good practices on prompt engineering and AI for Digital Citizenship - be supported by this call?'. A red box highlights the entire FAQ section, with a line pointing to the label 'FAQ' on the right.
- Published:** A section on the right with a search bar and a list of organizations. Two organizations are listed: 'GRANTXPRT CONSULTING LIMITED' and 'The Video Valley Productora Audiovisual Motion Graphics SL'. Each entry includes details like 'Organisation type', 'Country', 'Status', 'Type of request', and 'Request date'.

FAQ

Application Process

Days left for submission

Templates

Helpdesk

Coordinator info

Proposal acronym and summary

The screenshot shows the 'Funding: Submission Service' interface. At the top left, the European Commission logo is visible. The main header includes '23 days left until closure'. Below this, the 'Call data' section provides details: Call: DIGITAL-2023-SKILLS-05, Topic: DIGITAL-2023-SKILLS-05-SPECIALEDU, Type of action: DIGITAL-LS, and Type of MGA: DIGITAL-AG-LS. A warning message states: 'Topic and type of action can only be changed by creating a new proposal.' The 'Download Part B templates' section contains a 'Download part B templates' button. The 'Support & Helpdesk' section includes links for 'Online Manual', 'IT How To', 'IT Helpdesk', and 'FAQ'. The 'Service Desk' section lists the email 'EC-FUNDING-TENDER-SERVICE-DESK@ec.europa.eu' and the phone number '+32 2 29 92222'. The 'Find your organisation' section has input fields for 'PIC' (895412724) and 'Short name' (Serendipity), with a 'Search' button. Below this, two templates are listed: 'Tpl_Application Form (Part B) (DEP)' and 'Tpl_Detailed Budget Table (DEP LSII)'. The 'Your role' section has radio buttons for 'Main contact' (selected) and 'Contact person'. The 'Your proposal' section includes a text area for the 'Acronym' (20 characters) and a text area for the 'Short Summary' (2000 characters).

Application Process

The screenshot displays the 'Participants' step in the application process. At the top, a progress bar shows the following steps: Login (completed), Topic selection (completed), Create proposal (completed), Participants (current step), Proposal forms, and Submit. The 'Participants' section includes a 'Deadline' of 21 March 2024 17:00:00 Brussels Local Time, with 23 days left until closure. The 'Call data' section shows the call number DIGITAL-2023-SKILLS-05 and topic DIGITAL-2023-SKILLS-05-SPECIALEDU. A warning message states: 'Topic and type of action can only be changed by creating a new proposal.' The 'Proposal data' section shows the acronym 'Test 1' and draft ID 'SEP-211037260'. The 'Coordinator' section shows 'Serendipity' with an 'Add Affiliated Entity' button. The 'Contacts' section shows 'Main contact' Ignacio GARCIA with an edit icon. At the bottom, there are buttons for 'Add Partner', 'Add Associated partner', 'SAVE', 'SAVE AND GO TO NEXT STEP', and 'NEXT'. A red box highlights the 'Contacts' section and the 'Add Partner' and 'Add Associated partner' buttons. A red arrow points from the text 'Edit contacts per org.' to the edit icon in the 'Main contact' row. Another red arrow points from the text 'Add consortium partners' to the 'Add Partner' and 'Add Associated partner' buttons. The text 'Always press SAVE' is written at the bottom right of the interface.

Edit contacts per org.

Add consortium partners

Application Process

< Exit form Table of contents General Information >

Table of contents Validate form Save form Save & exit form

Topic: DIGITAL-2023-SKILLS-05-SPECIALEDU

Type of Action: DIGITAL-LS
(DIGITAL Lump Sum Grants)

Proposal number: SEP-211037260

Proposal acronym: Test 1

Type of Model Grant Agreement: DIGITAL Lump Sum Grant

Table of contents

Section	Title	Action
1	General information	Show
2	Participants	Show
3	Budget	Show
4	Other questions	Show

How to fill in the forms
The forms must be filled in for each proposal using the templates available in the submission system. Some data fields in the forms are pre-filled based on the steps in the submission wizard.

Read more

In this step you can edit the Administrative Forms and upload the proposal and its annexes. You may return to this step from the 'My Proposals' section of the Funding & Tenders Portal.

Submit your proposal as early in the process as possible - you can update and resubmit an improved version many times before the call closure.

Submitting a proposal will overwrite any previous versions of this same proposal - this process is irreversible.

Any changes made to the proposal will not be available to the European Commission service unless resubmitted before the call closure.

Your proposal contains changes that have not yet been submitted.

Administrative forms (Part A)

Edit forms View history Print preview

Part B and Annexes

In this section you may upload the technical annex of the proposal (in PDF format only) and any other requested attachments.

Part B * Upload

Detailed budget table * Upload

List of previous projects Upload

Other annexes Upload

BACK TO PARTICIPANTS LIST VALIDATE SUBMIT

Admin. part

Documentation

Submit

Application Process

Application Form



- Part A - Administrative information generated by the IT system in the Portal submission system
- Part B - Narrative description of the project. Part B needs to be uploaded as PDF (+ annexes) in the Submission System. The templates to use are available in the submission site.

How to prepare and submit it?



- The Application Form must be prepared by the consortium and submitted by a representative.
- Page limit normally 70 pages (unless indicated in the Call)
- supporting documents can be provided as an annex and do not count towards the page limit
- Keep your text as concise as possible. Do not use hyperlinks to show information that is an essential part of your application

TABLE OF CONTENTS

ADMINISTRATIVE FORMS (PART A)	3
TECHNICAL DESCRIPTION (PART B)	4
COVER PAGE	4
PROJECT SUMMARY	5
1. RELEVANCE	5
1.1 Objectives and activities	5
1.2 Contribution to long-term policy objectives, policies and strategies — Synergies	5
1.3 Digital technology supply chain	5
1.4 Financial obstacles	5
2. IMPLEMENTATION	6
2.1 Maturity	6
2.2 Implementation plan and efficient use of resources	6
2.3 Capacity to carry out the proposed work	7
3. IMPACT	8
3.1 Expected outcomes and deliverables — Dissemination and communication	8
3.2 Competitiveness and benefits for society	8
3.3 Environmental sustainability and contribution to European Green Deal goals	9
4. WORK PLAN, WORK PACKAGES, ACTIVITIES, RESOURCES AND TIMING	10
4.1 Work plan	10
4.2 Work packages, activities, resources and timing	10
<i>Work Package 1</i>	11
<i>Work Package</i>	14
<i>Staff effort (n/a for Lump Sum Grants)</i>	14
<i>Subcontracting (n/a for prefixed Lump Sum Grants)</i>	15
<i>Purchases and equipment</i>	16
<i>Other cost categories</i>	18
<i>Timetable</i>	19
5. OTHER	21
5.1 Ethics	21
5.2 Security	21
6. DECLARATIONS	21
ANNEXES	22

Evaluation



Award criteria

- **Relevance** (e.g. alignment with objectives, contribution to long-term policy objectives and relevant policies, synergies with other activities)
- **Implementation** (e.g. maturity of the project, soundness of implementation plan, efficient use of resources, capacity of applicants)
- **Impact** (e.g. expected outcomes and deliverables, strengthen competitiveness, benefits for society)



Formal requirements

- Deliver on time
- Deliver all the needed documentation, no amendment is possible

Award criteria	Minimum pass score	Maximum score
Relevance	3	5
Implementation	3	5
Impact	3	5
Overall (pass) scores	10	15

Maximum points: 15 points.

Individual thresholds per criterion: 3/5, 3/5 and 3/5 points.

Cost Categories



A- Personal Cost

- A1 - Employees
- A2 - Natural persons under direct contract
- A3 - Seconded persons
- A4 - SME owners



B- Subcontracting



C- Purchase Costs

- C1 - Travel and subsistence
- C2 - Equipment
- C3 - Other goods, work and services



D- Other Cost Categories

- D1 - Financial support to third parties
- D2 - Internally invoiced goods and services

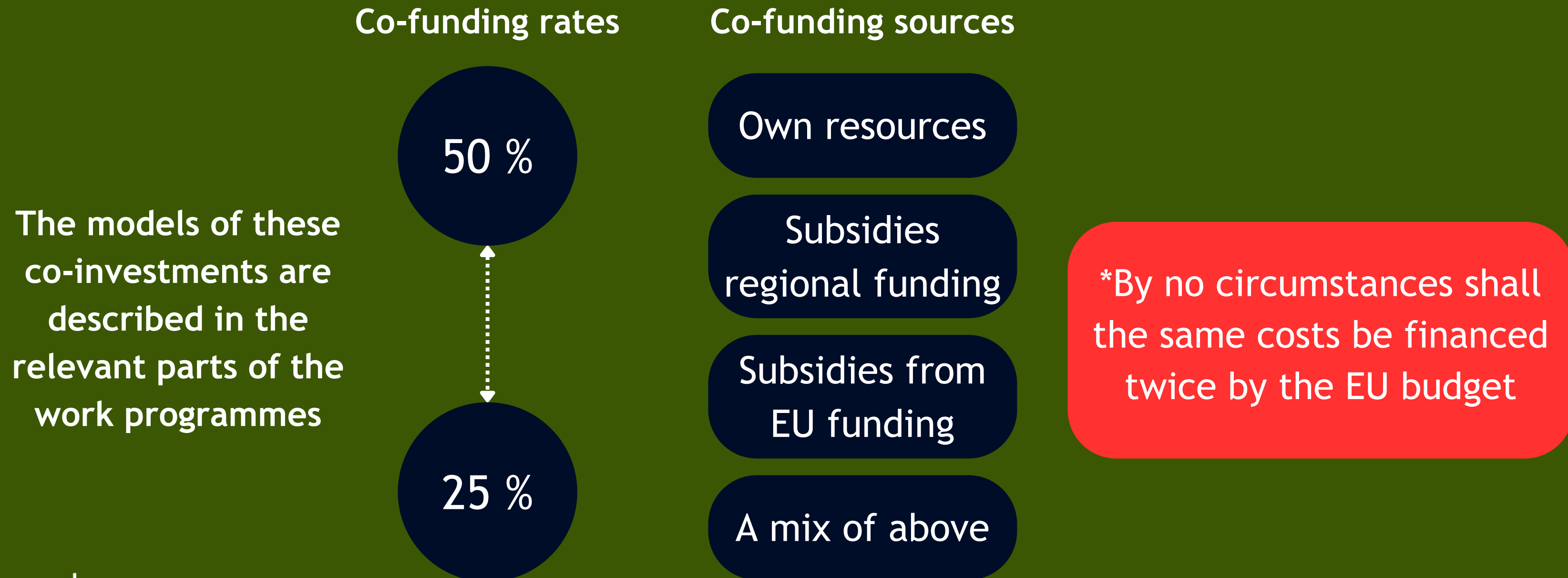


E- Indirect Costs

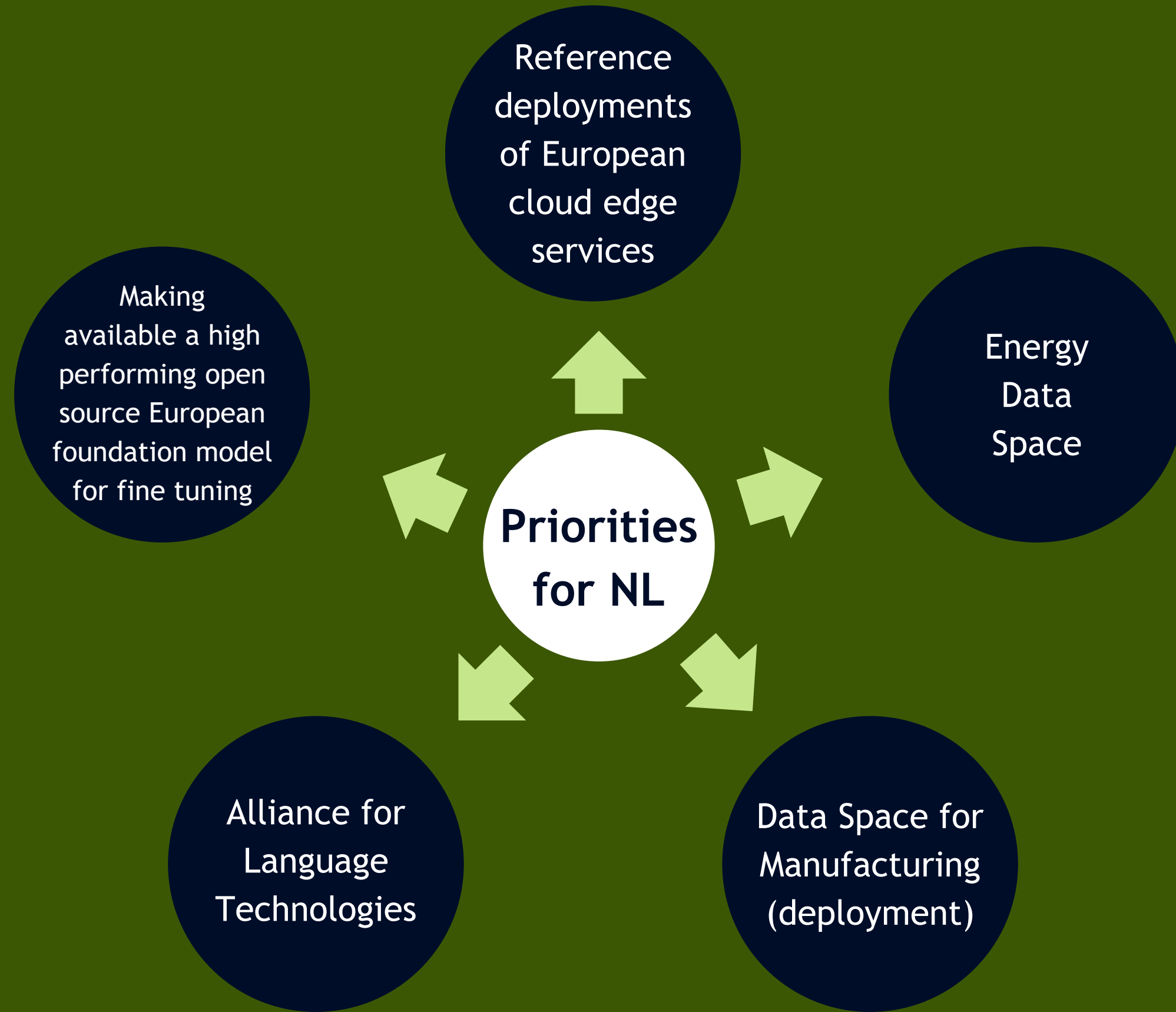
- 7% of direct costs

Co-Funding

Most actions foreseen in the Digital Europe Programme require co-investments from the public and/or private sectors



Co-Funding for NL





LDT ECOSYSTEM - LIVING-IN.EU

LDT Supporting Ecosystems - LIVING-IN.EU

After completing this training, I acquired the necessary knowledge and skills to:

- 1 Confidently sign the declaration supporting the movement's principles.
- 2 Familiarize yourself with the working groups and sign up within the community.
- 3 Explore how you can actively contribute assets and solutions for cities across Europe
- 4 Leverage networking opportunities to expand your connections and collaborations within the ecosystem





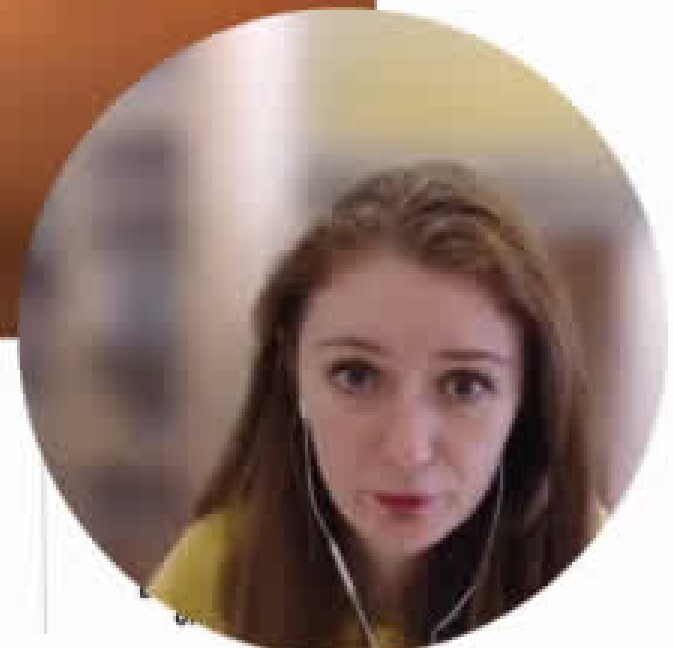
Funded by
the European Union



LIVING-IN.EU

Living life the European way.
Where digitalization makes your life easier
and brings us into balance with nature.

Join us in creating our future.



LIVING-IN.EU | GO-LI.EU





THE DUTCH DIGITAL INNOVATION HUB DSIH

Guest speaker: Harald Wouters

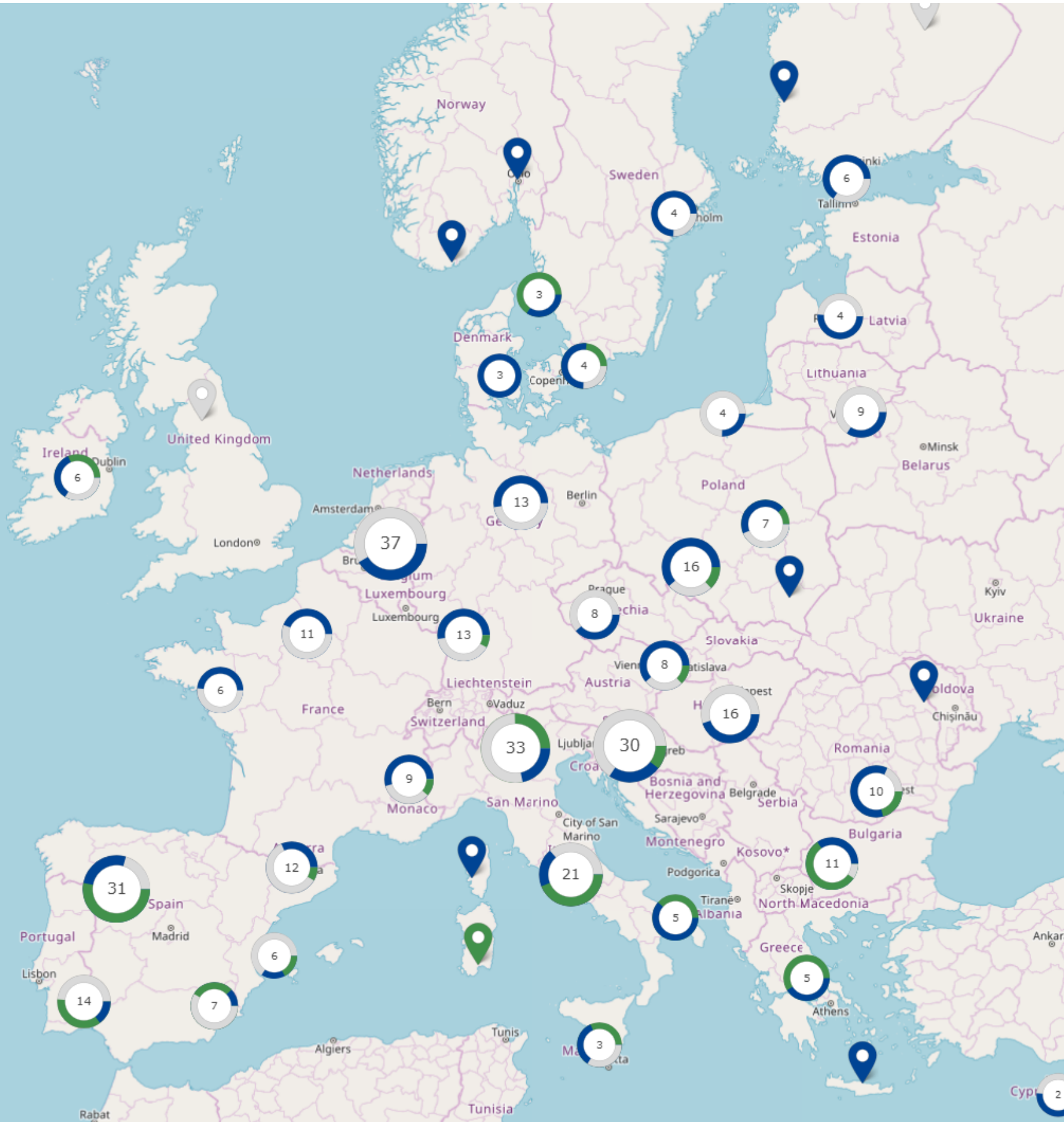
Introduction to Dutch Societal
Innovation Hub (DSIH) and the
digital maturity assessment
questionnaires



REFRESH CONNECT

Context: EDIH network

- European Digital Innovation Hubs (EDIHs), part of **Digital Europe Programme**
- 400 European knowledge hubs which each stem from their own regional ecosystems. EDIHs strengthen one another through collaboration and knowledge transfer.
- ‘One-stop-shops’ for SMEs and public sector organisations to enable them to expedite the **digital transformation** and



DSIH: Partners & Focus

- Coordinated by VNG & IPO, 5 ecosystem partners
- 342 municipalities & 12 provincial organisations

ip Interprovinciaal Overleg
van, voor en door provincies

VNG

DIGICAMPUS

Gemeente Rotterdam

Data- en Kennishub
Gezond Stedelijk Leven

AV
Urban
Development
Initiative
BRAINPORT EINDHOVEN

Brightlands

Knowledge crossing borders



Green Transformation

Net zero greenhouse gas emissions in Europe by 2050.

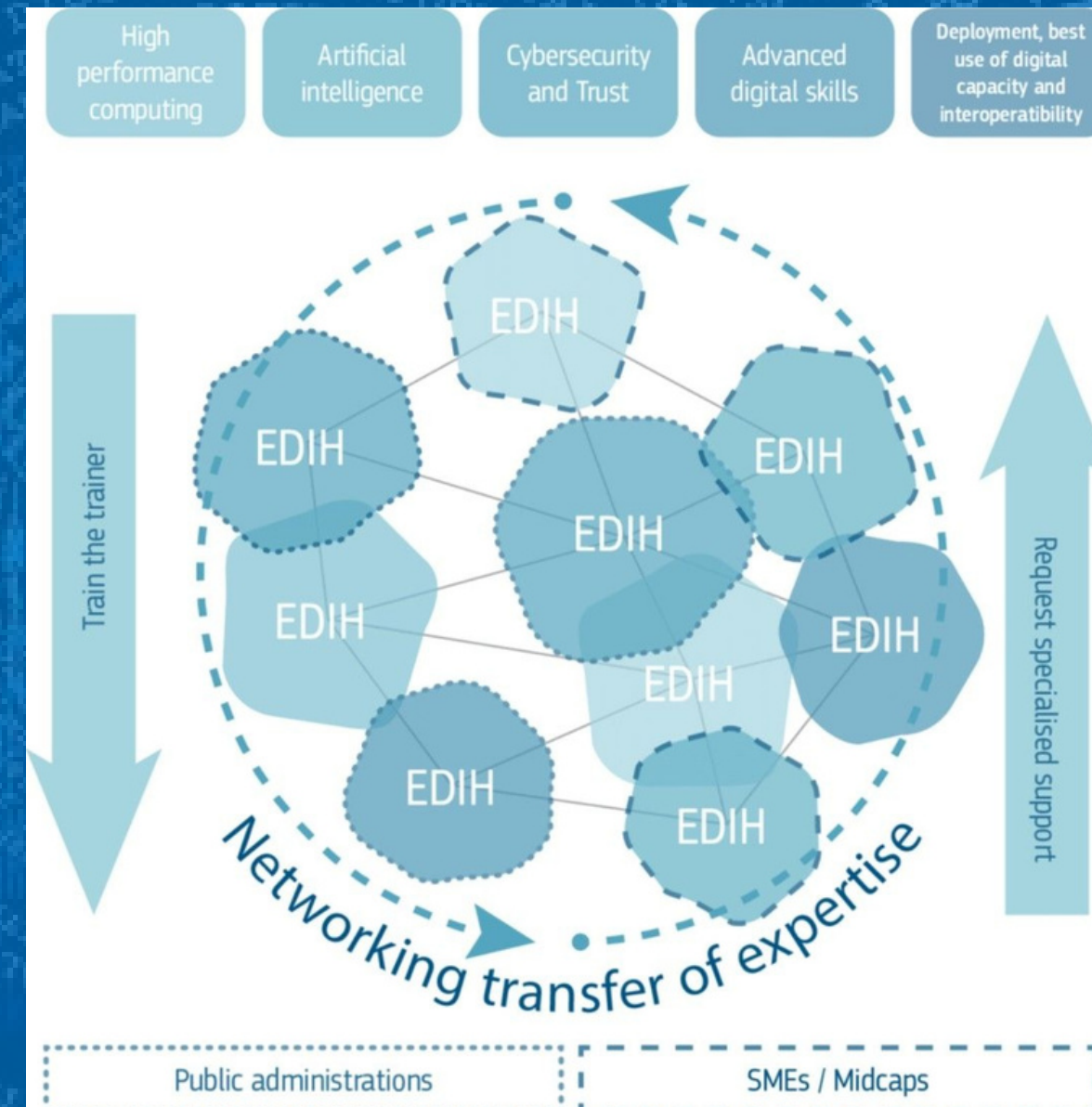


Digital Transformation

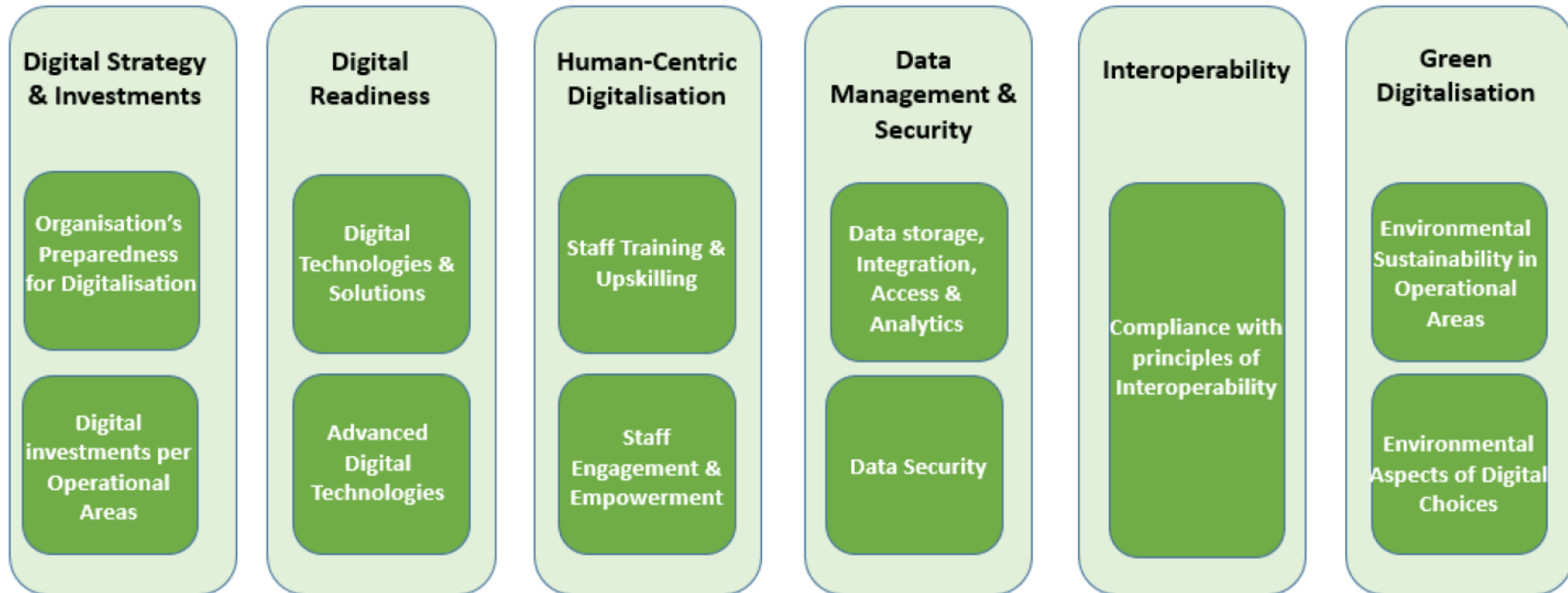
Striving for a more prosperous, digital future for Europe by 2030, that puts people first.

Digital Maturity Assessments (DMAs)

- Questionnaire: by JRC
- General analysis - overview
- Measurement:
 - 1st: baseline - intake
 - 2nd: after providing services

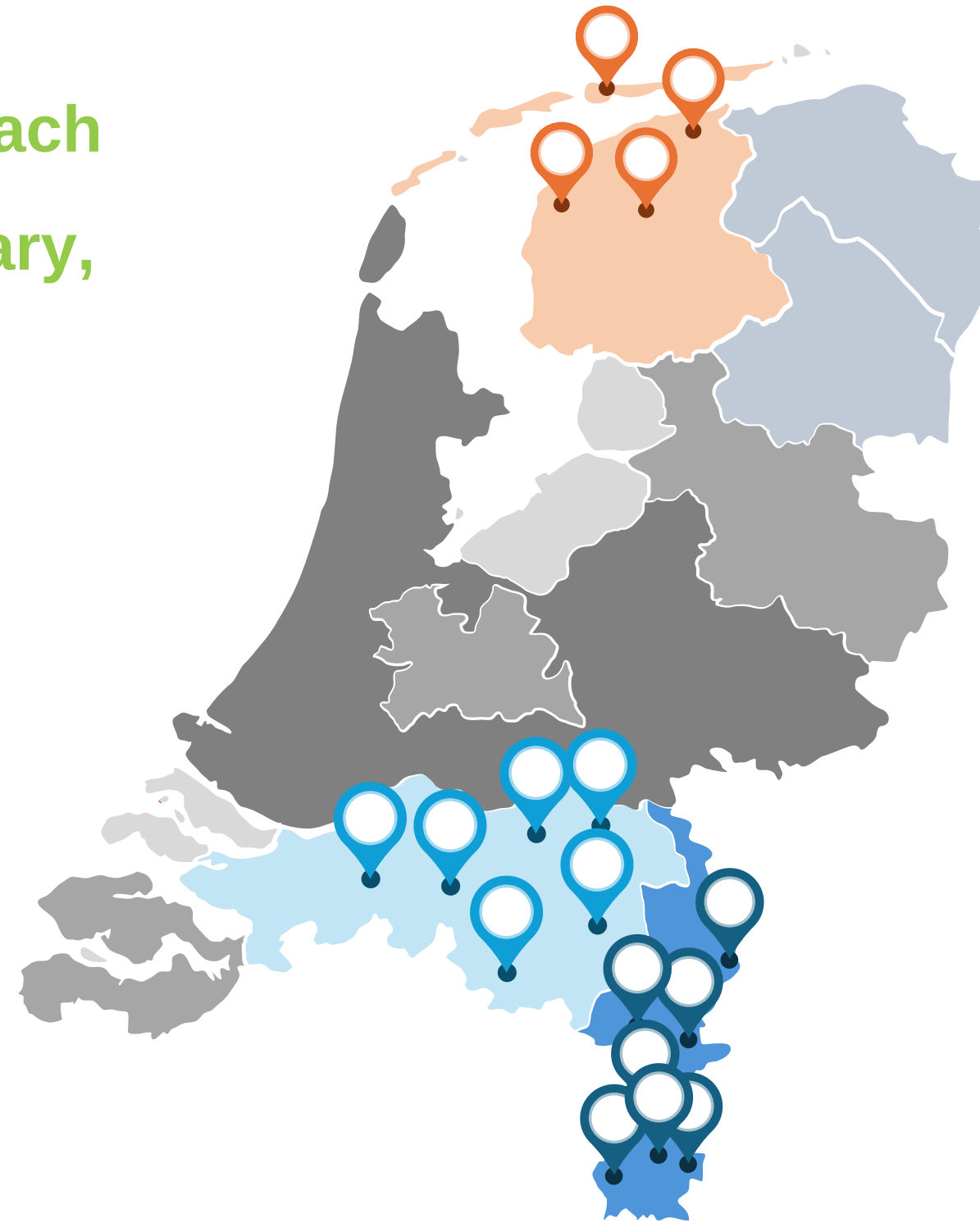


Digital Maturity Assessment (JRC) for Public Sector Organisations (PSOs)



Interviews: 20 municipalities

- 1-on-1 talks of 1 hour each
- CIOs, municipal secretary, programme managers
- Running through questionnaire
- Regional peer review sessions



Fryslân

Leeuwarden, Waadhoeke, Noardeast-Fryslân, Ameland



Limburg

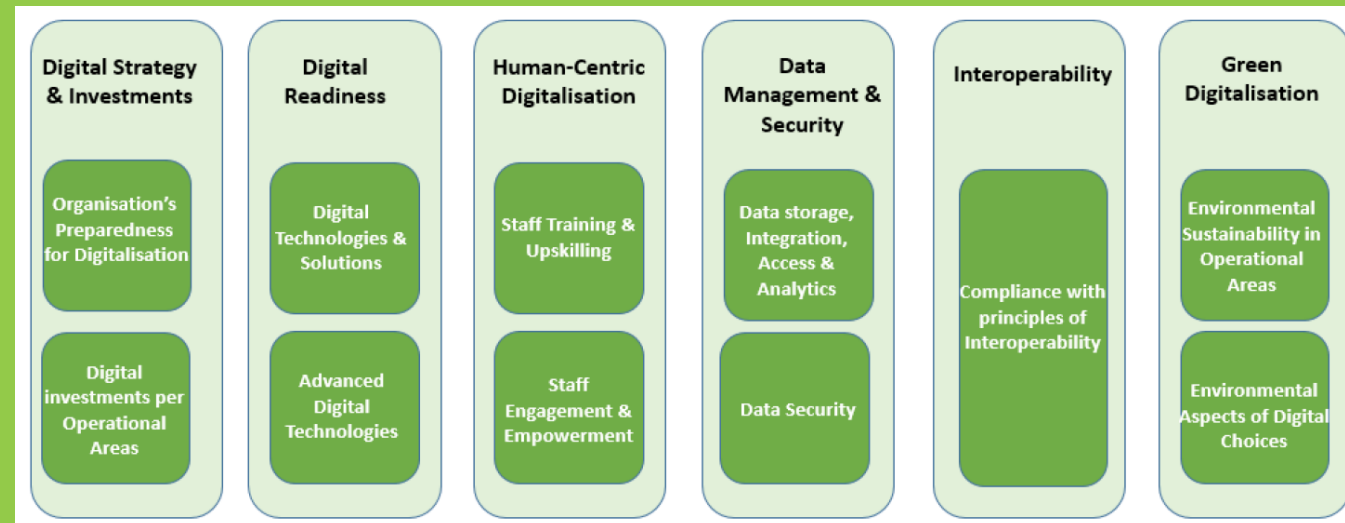
Maastricht, Heerlen, Sittard-Geleen, Venlo, Weert, Roermond, Beekdaelen



Noord-Brabant

Tilburg, 's-Hertogenbosch, Breda, Helmond, Oss, Eersel

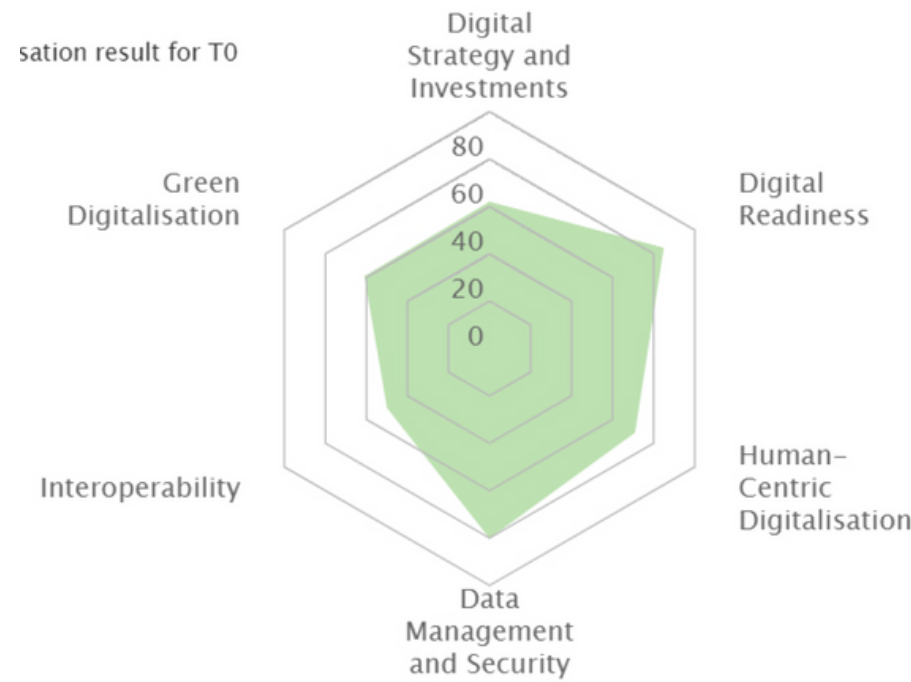
Key findings



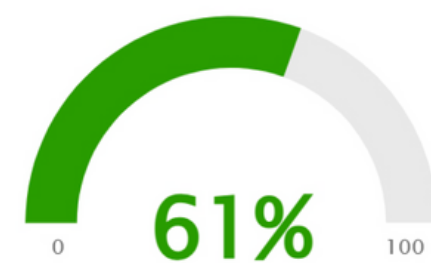
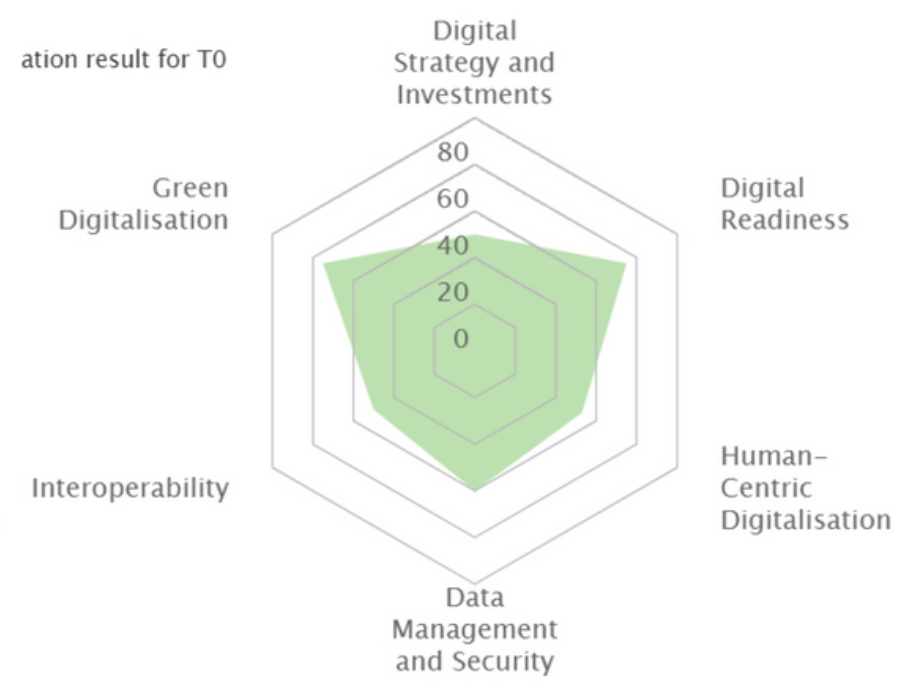
- Overall picture of the digital readiness of the **organisation and its processes**.
- Scores: quite decent in cyber, readiness/skilling/scaling differs tremendously
- **COVID** accelerated digitalisation services
- **Not objective:** self assessment, not comparable
- **Lack of nuance:** yes/no, no likert scale
- Large municipalities (area/inhabitants) **prefer digital services** over smaller (rural) ones.
- Digitalisation of departments and **impact of policy** remains vague.

Example results

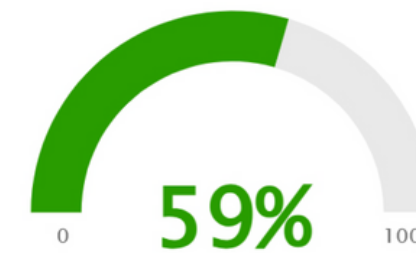
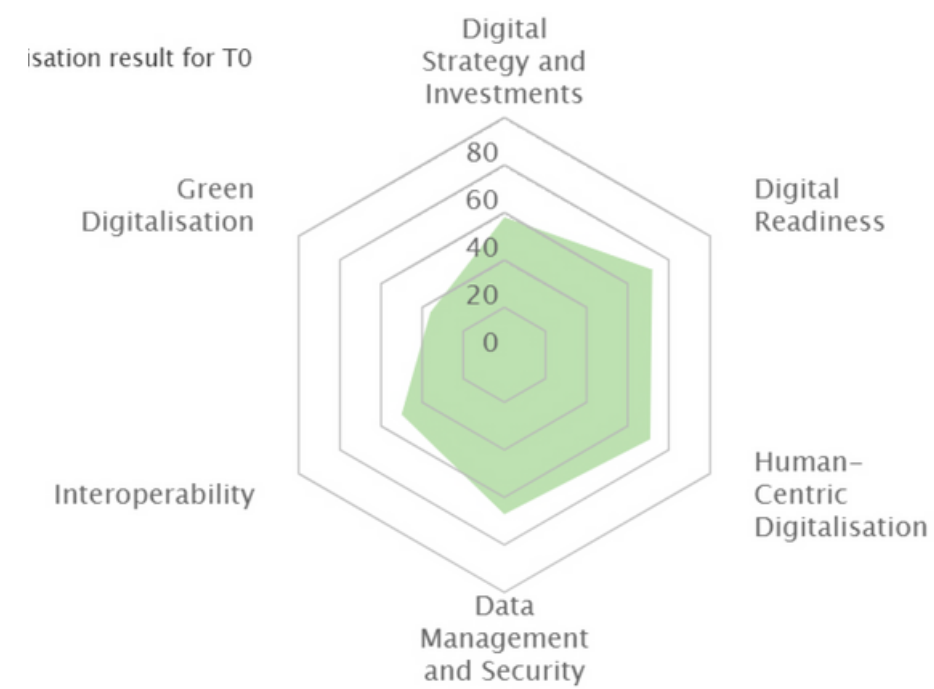
Leeuwarden 129K



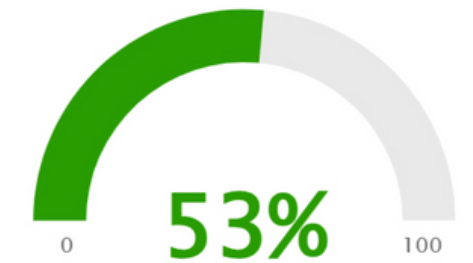
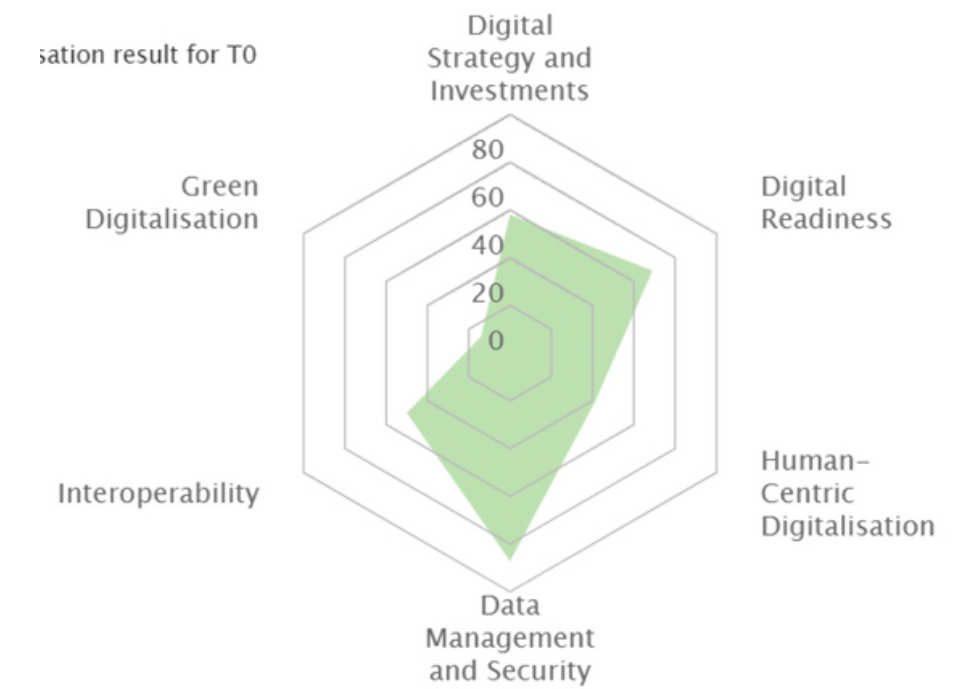
Waadhoeke 47K



Noardeast-Fryslân 46K



Ameland 4K



Contact us

For more information and suggestions



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|



Babette Bakker

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RE THINK
RE SHAPE
RE CONNECT





LORDIMAS

LORDIMAS: Digital Maturity Assessment Tool

After completing this training, I acquired the necessary knowledge and skills to:

- 1 Grasp the digital maturity of your city and comprehend the implications of local digitalization
- 2 Effectively gauge the level of digital maturity & exchange insights and best practices regarding the effects of digitalization
- 3 Confidently utilize the LORDIMAS digital maturity assessment tool to its full capacity



The LORDIMAS Tool

An interactive tool helping local and regional governments to understand where they are in their digital transformation journey

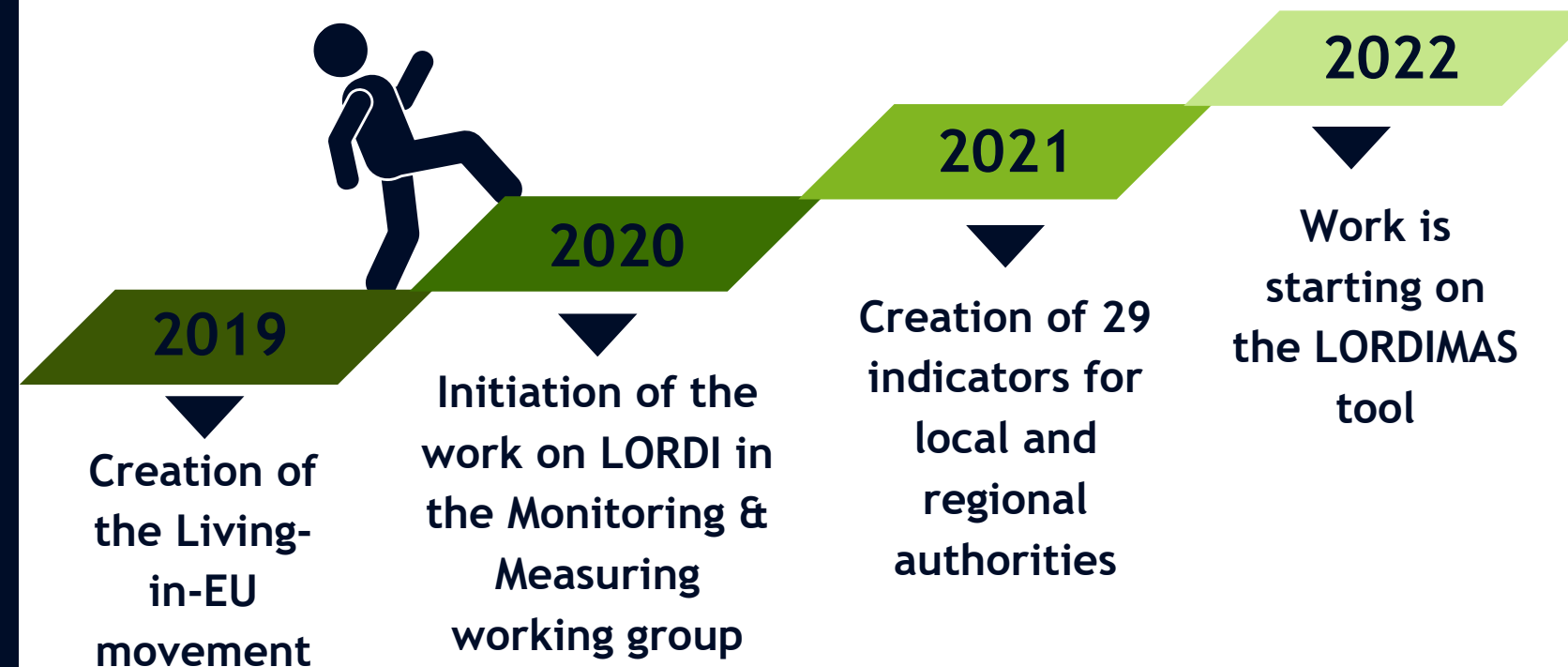
HOW WAS LORDIMAS CREATED



A collaborative process with many stakeholders engaged in its creation and its deployment.



WHERE DOES IT COME FROM?



Rooted in the discussions that are currently taking place within the Living-in.EU and topics with direct linkages with the Digital Europe Programme.

WHO DOES IT ADDRESS??

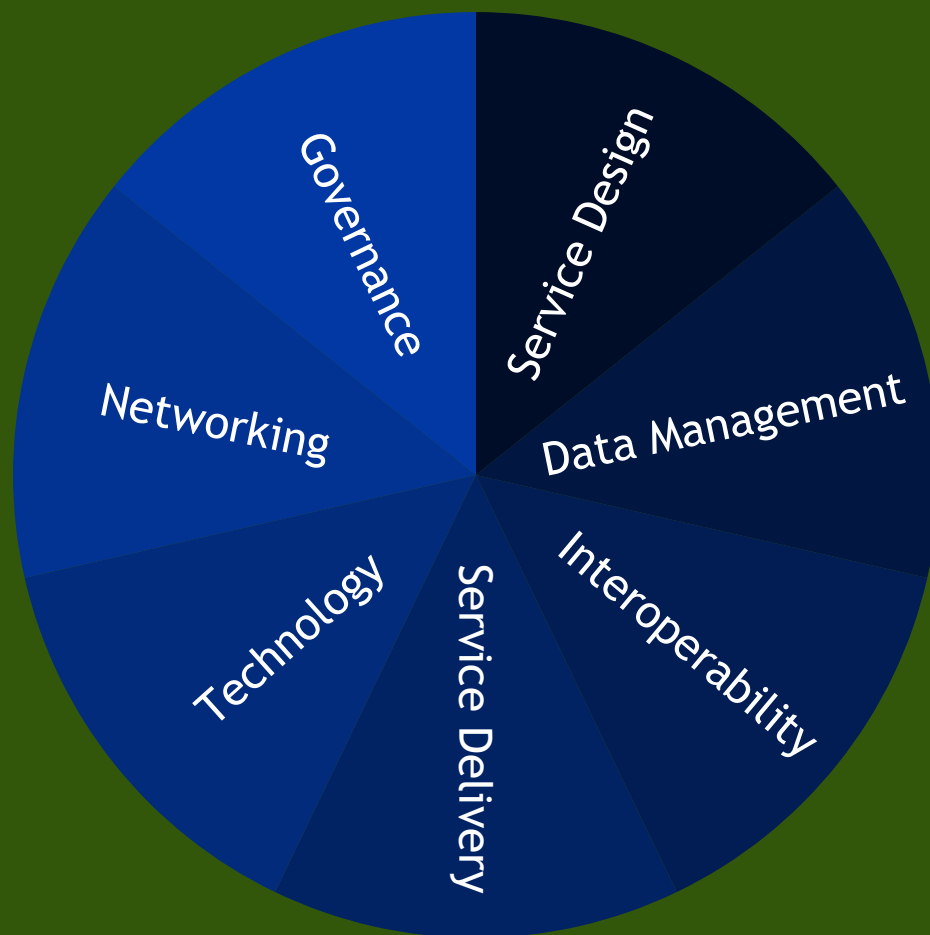


A wide range of cities, municipalities and regions at different stages of their digital transformation journey.

The Use Case for LORDIMAS

Dimensions of the tool

7 self-assessment dimensions



6 levels of maturity

Digital
Native

Digitally
Optimized

Digitally
Purposeful

Digitally
Emerging

Digitally
Emerging

Digitally
Nascent

Functionalities

Evaluate: A tool to help you assess your digital maturity and monitor progress made towards digital transition.

Compare: An interactive dashboard to benchmark your city to other similar cities.

Share: A repository of good practices to showcase your initiatives and results and to draw inspiration from other cities.

Learn: Learn about emerging topics and receive policy advice.

Questions it Helps Answer

- Is my city above/below the EU median?
- How do I rank compared to other cities of similar size, urban/rural cities, cities in my country?
- Are there dimensions that my city over/under performs compared to the median?
- What are my city's progresses towards digital maturity?

Facilitates

- Review of achievements and plans for continuation of transformation effort
- Assessment of local enablers
- Identification of opportunities, areas for improvement and how the ecosystem could work together to achieve goals

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.

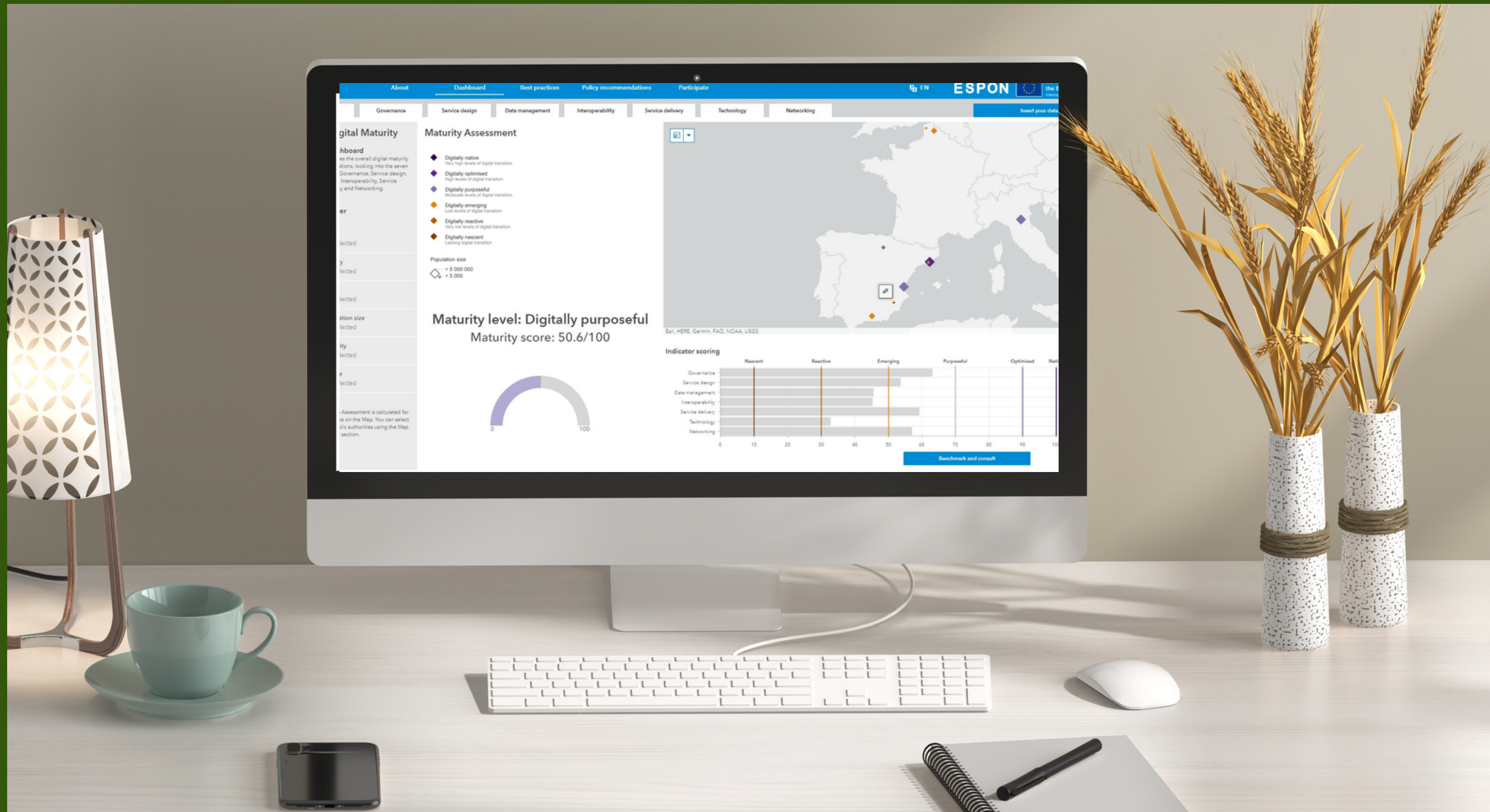


Complete the assessment online, compare yourself to other cities, consult good practices and recommendations



Summarise and discuss digital maturity assessment results jointly with the stakeholders, share learnings on strengths and weaknesses

How does LORDIMAS Work?





Get policy advice, promote and learn from best practices



LORDIMAS is an interactive digital maturity assessment tool aimed at helping local, metropolitan and regional governments to understand where they are in their digital transition journey.

[Participate](#)[Explore](#)

Promoted by



[All](#)[Governance](#)[Service design](#)[Data management](#)[Interoperability](#)[Service delivery](#)[Technology](#)[Networking](#)[Insert your best practice](#)**[Draft example] Helsinki's innovation...**

Forum Virium Helsinki (FVH) is the City of Helsinki innovation company. FVH co-creates...

**[Draft example] Terrassa creates a m...**

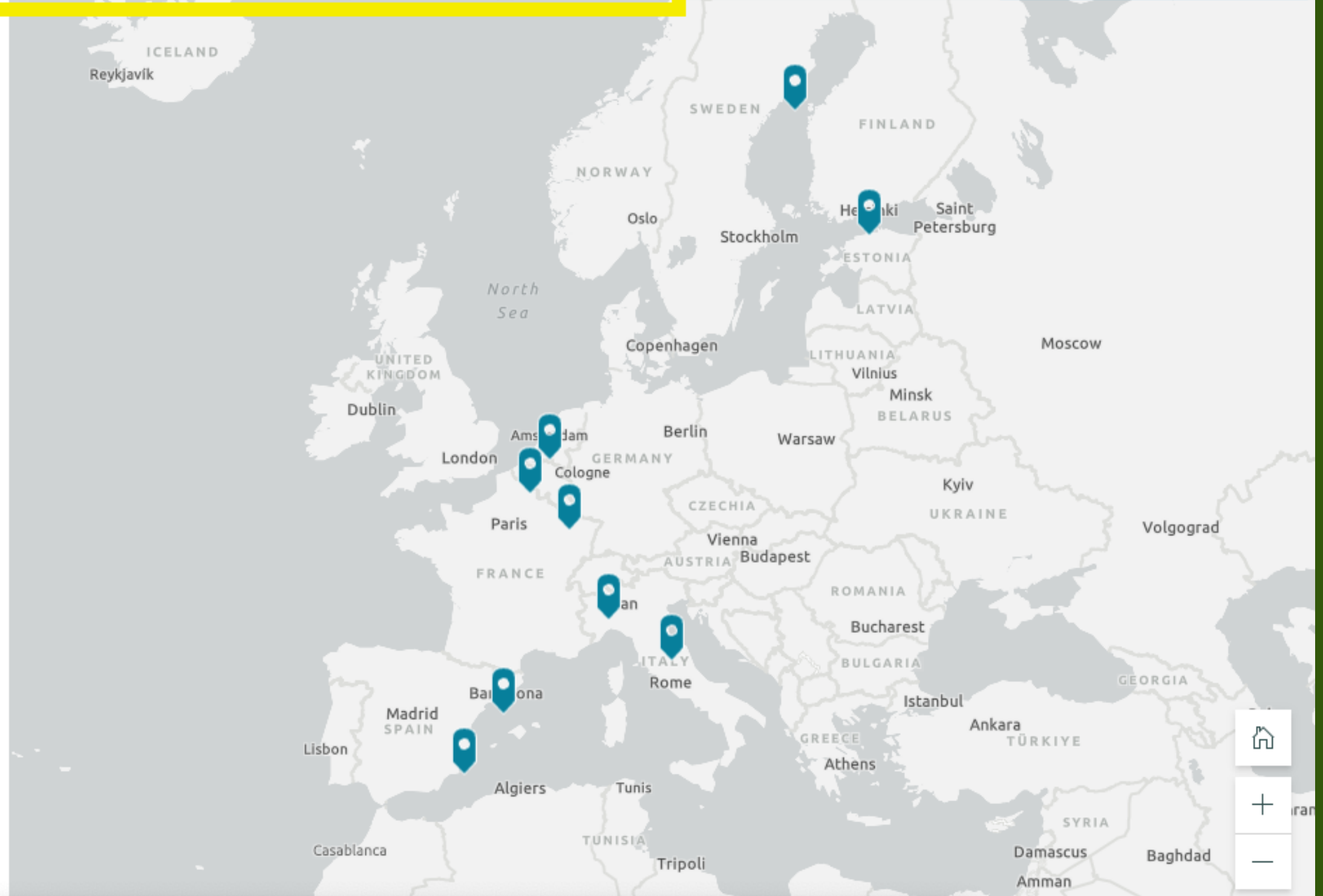
"Participa a Terrassa" (participa.terrassa.cat) is the online tool for citizen participation that...

**[Draft example] Amsterdam informs ...**

Private companies, research institutions and government organisations in Amsterdam mus...

**[Draft example] Umeå integrates dat...**

The Umeå urban data platform (UDP) integrates a wide number of data sources from both...



Analyse and visualise

Analyse and visualise

Overall Digital Maturity

About this dashboard

This module assesses the overall digital maturity of public administrations, looking into the seven LORDIMAS topics: Governance, Service design, Data Management, Interoperability, Service delivery, Technology and Networking.

Search and filter

Filter by country

Finland

Filter by type

No category selected

The Digital Maturity Assessment is calculated for the selection you see on the Map. You can select one or multiple public authorities using the Map or Search and Filter section.

Maturity Assessment

- Digitally native
Very high levels of digital transition
- Digitally optimised
High levels of digital transition
- Digitally purposeful
Moderate levels of digital transition
- Digitally emerging
Low levels of digital transition
- Digitally reactive
Very low levels of digital transition
- Digitally nascent
Lacking digital transition

Population size

Maturity level: Digitally optimised

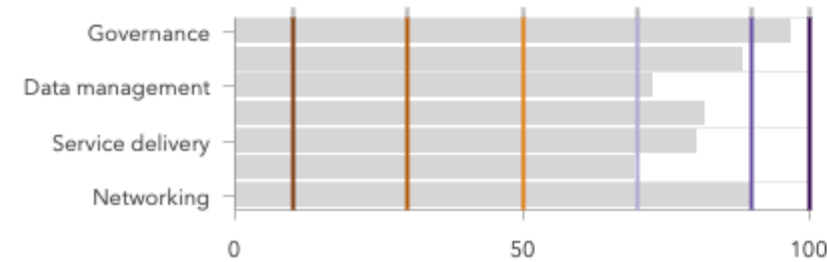
Maturity score: 82.5/100



Esri, TomTom, FAO, NOAA, USGS

Powered by Esri

Indicator scoring



Overall Digital Maturity

About this dashboard

This module assesses the overall digital maturity of public administrations, looking into the seven LORDIMAS topics: Governance, Service design, Data Management, Interoperability, Service delivery, Technology and Networking.

Search and filter

No category selected

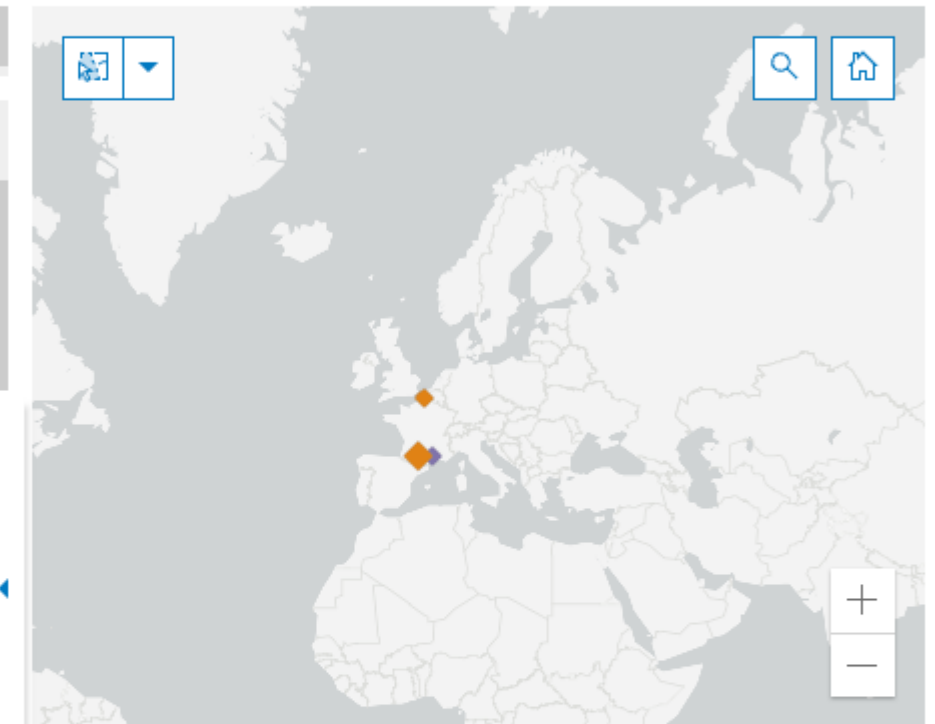
Filter by country

France

Filter by type

No category selected

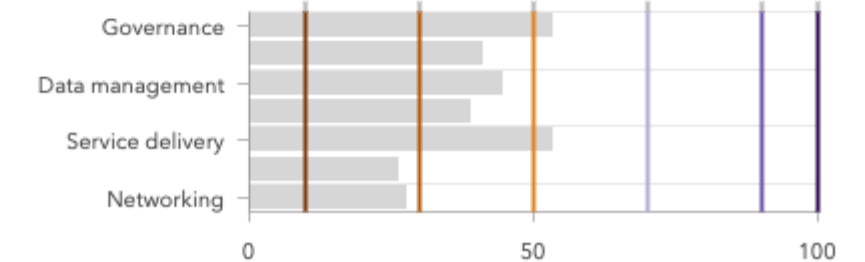
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Esri, TomTom, FAO, NOAA, USGS

Powered by Esri

Indicator scoring



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



Our contact information in cases needed:

If you have any question on Lordimas or if you would like to share feedback on the tool and how to improve, feel free to contact us

 Paresa Markianidou (paresa.markianidou@technopolis-group.com)

 Hannah Bernard (hannah.bernard@technopolis-group.com)





ANY QUESTIONS?


Call to Action: Reminder

- 1 Prepare your strategy to implement LDT
- 2 Join the Living-in.EU movement - [LINK](#)
- 3 Evaluate your digital maturity - [LINK](#)
- 4 Follow your local ecosystem DSIH
- 5 Register to the next training sessions - [LINK](#)


DON'T
FORGET!

Call to Action: Procurement support

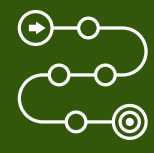
The Netherlands




Strategy Assessment



IT Infrastructure Assessment



Roadmap



Procurement assessment



Strategy and decision making



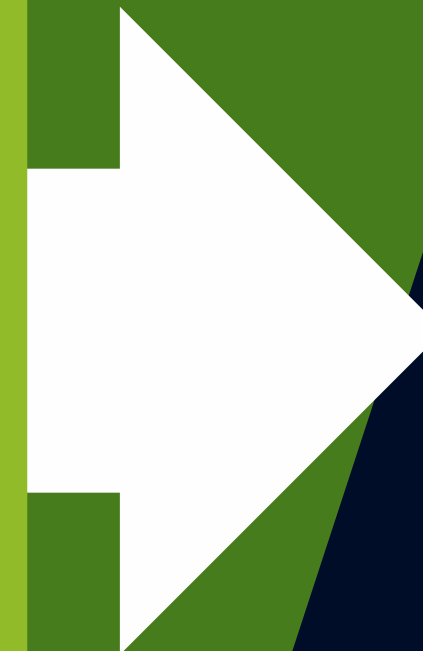
IT/Data/Architecture



Thematic experts in function priorities



IT procurement



New insights,
your city,
your choices.



Show interest in:
ole.jantzen@capgemini.com

“

Innovation is the engine of growth. It provides solutions to the pressing challenges we face - from climate change to digitalisation - and helps us build a sustainable future for all.

-Ursula von der Leyen

LOCAL DIGITAL TWIN



THANK YOU