

High Level Conference

Digital Transformation for Regions: AI and Big Data accelerating public services



***DT4REGIONS in action:
Accelerating the deployment of digital solutions***



DT4REGIONS is a European
Parliament Preparatory Action
supported with European Funds

Barcelona, 29th June 2022

**DT4REGIONS Event: "A Journey towards an EU Platform
for AI and Big Data in Public Administration"**



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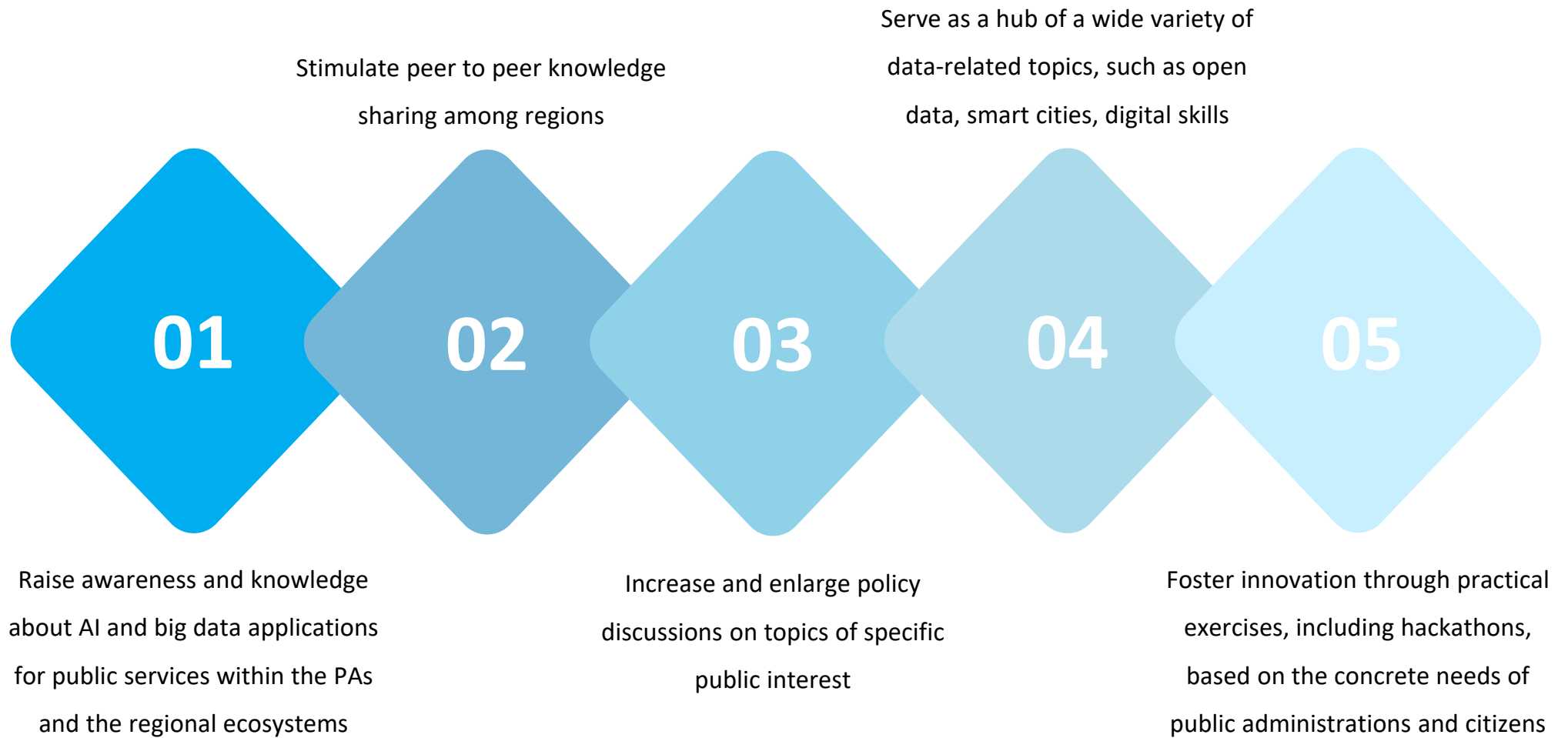


Digital Transformation
for Regions



1 year into DT4REGIONS

DT4REGIONS specific objectives



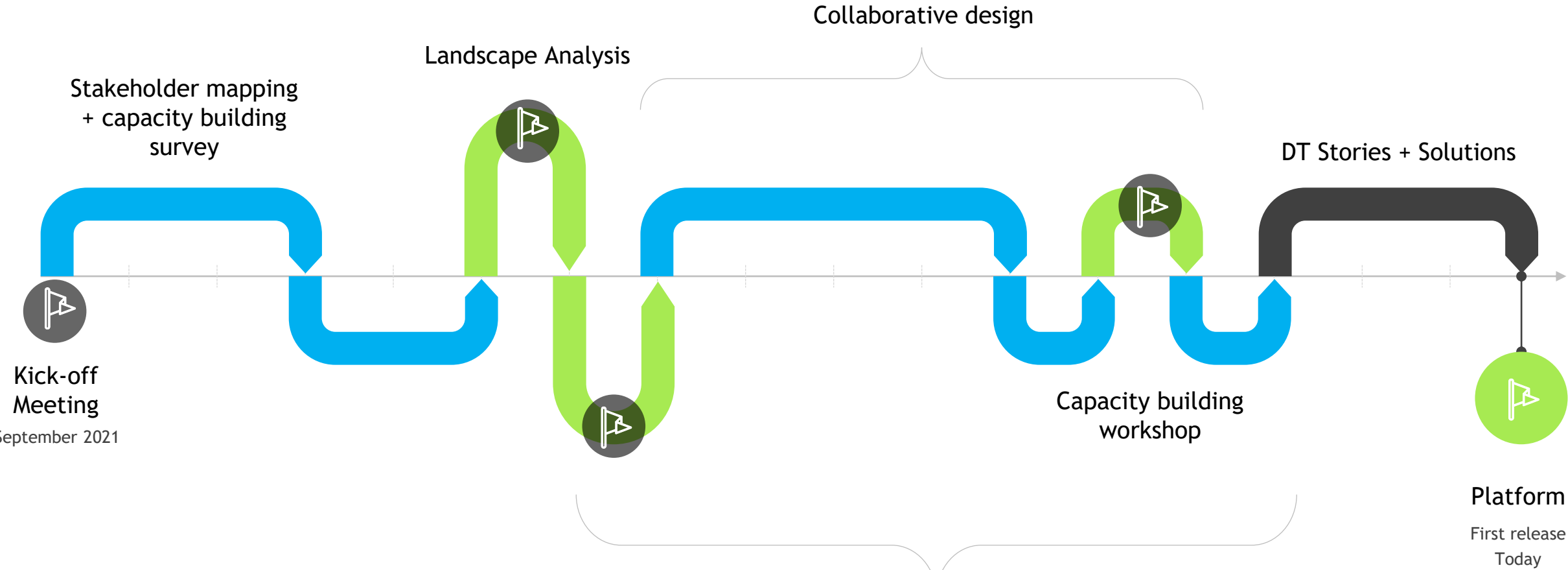
DT4REGIONS partners



DT4REGIONS Digital Transformation for Regions



The DT4R journey so far



Improve, not improvise

Challenges (still!): Enabling new digital government practices and digitalisation and consolidation of internal administrative processes.

Public administrations are called to innovate and to renew themselves fast, to keep up with the digital transformation; at the same time, they cannot improvise in terms of infrastructure, data and skills.

How can regions and cities overcome obstacles?

Collaboration and cross-fertilisation as an enabling condition.

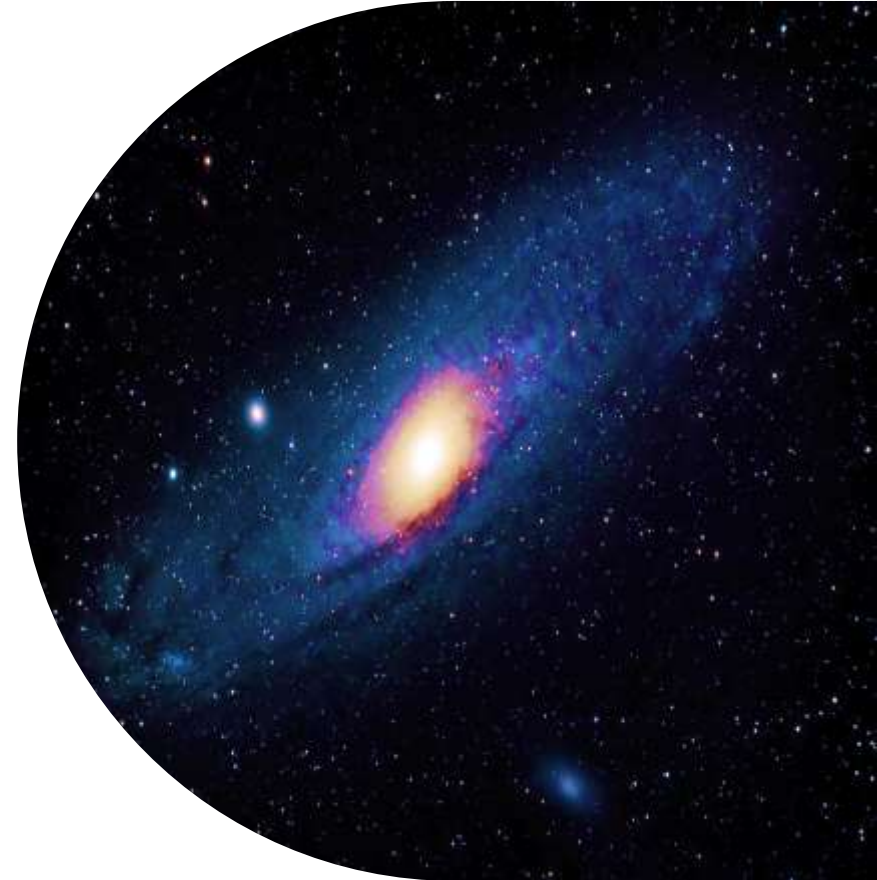


A platform is born

The challenge within the challenge: innovating the public sector into a platform ecosystem

The value and future of the platform depend on how able we will be to convey our learnings **in an easy and transferable form to share into the platform.**

The more attractive we will make our DT Stories, and the wider the set of different DT Solutions we will be able to offer to the shared DT Stories, the more our network will grow, fueling a sustainable process of innovation in the public sector.



Keep in touch:



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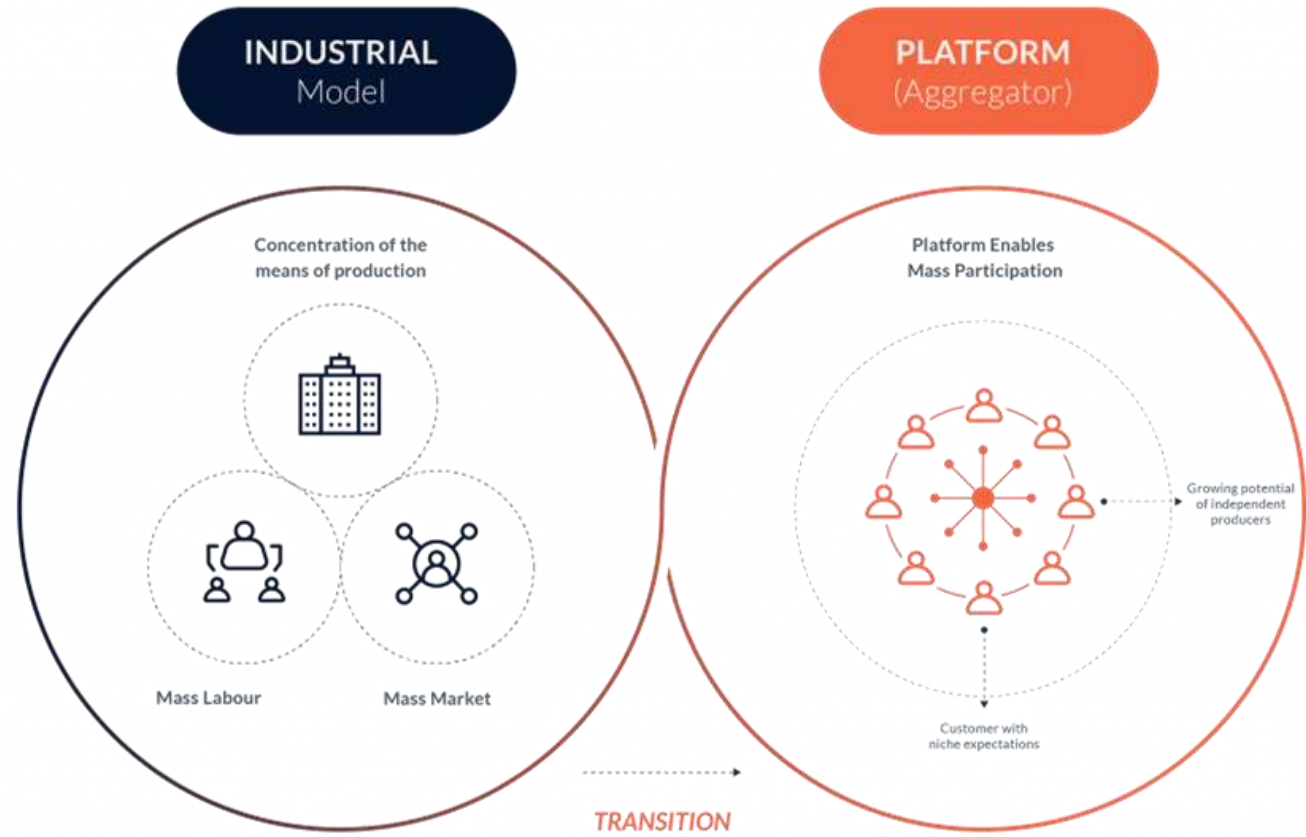
WP2 Co-design of the platform



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Luca Ruggeri
Co-Founder and Platform Design Micro-Enterprise Lead
Boundaryless s.r.l.

First of all: What is a platform

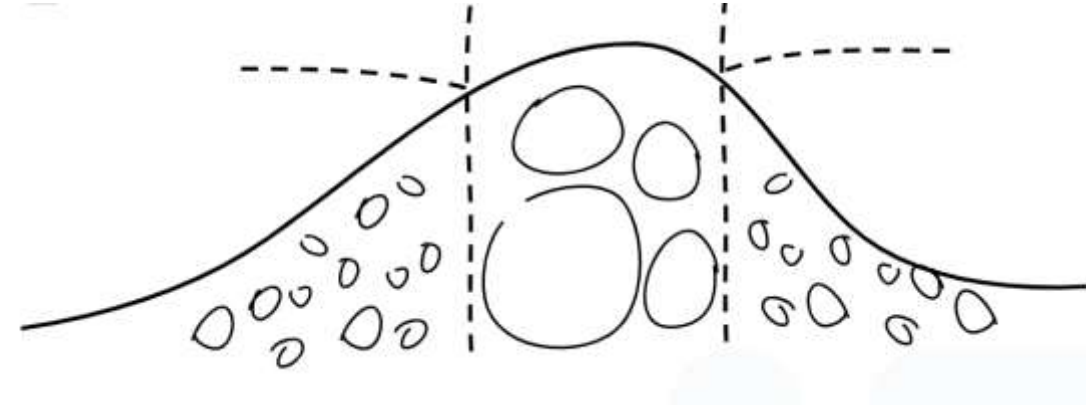
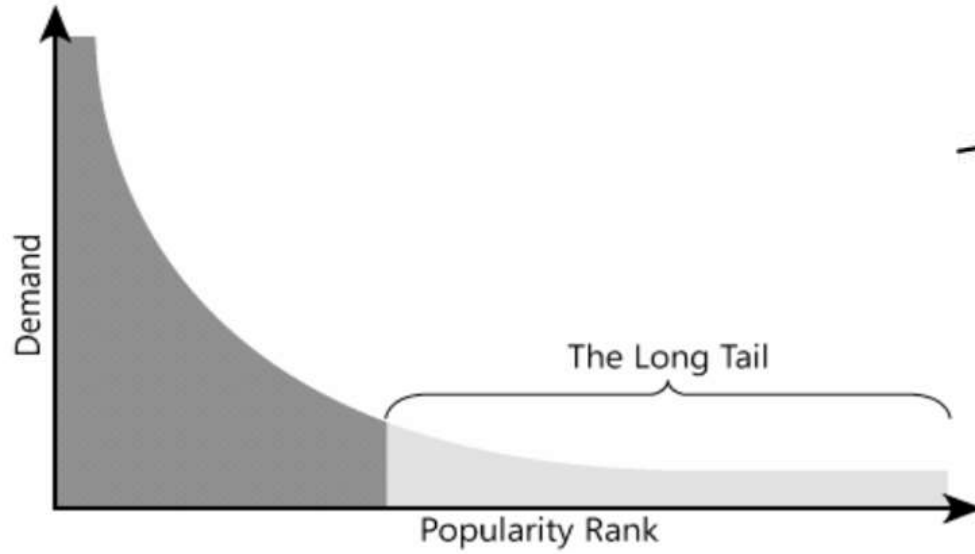


A Scalable collaboration agreement and not only a technology

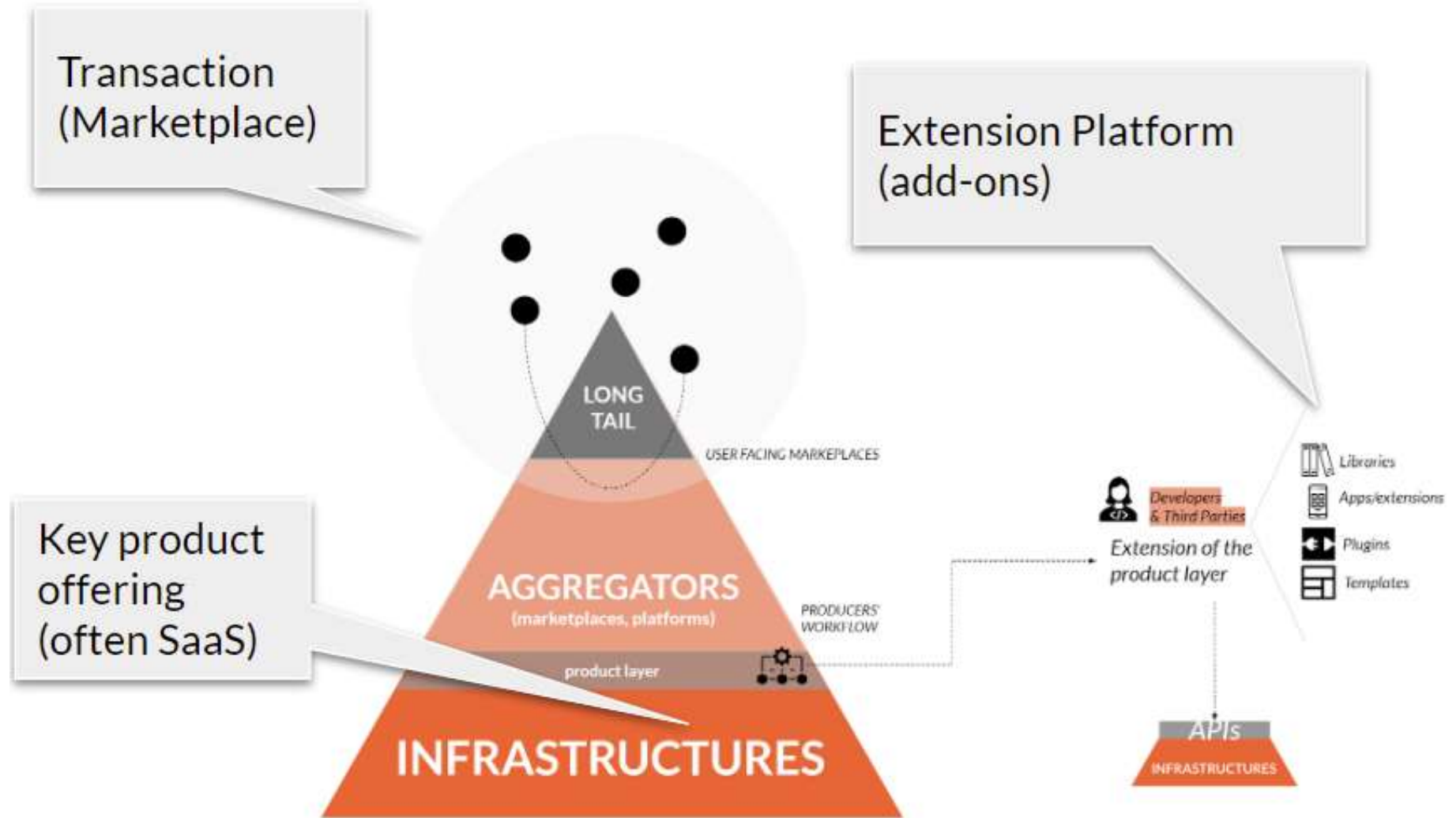
Connects entities, supports the supply side in the production and distribution of value

Harness network effects, strongly based on the driver: Users expect personalization, “one size fits all” is not enough anymore

Why Platforms?

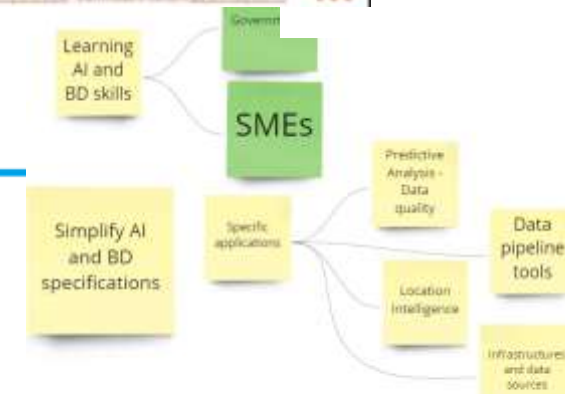
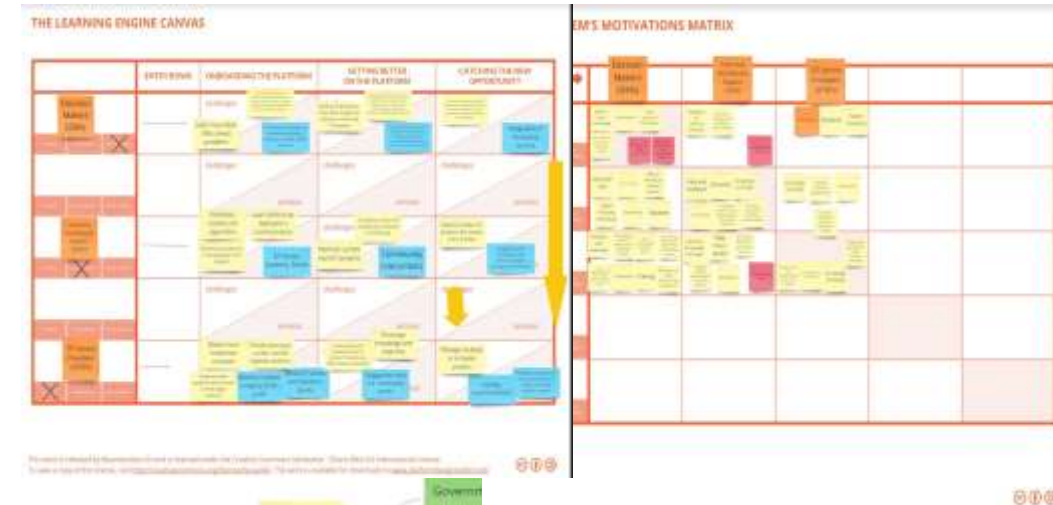
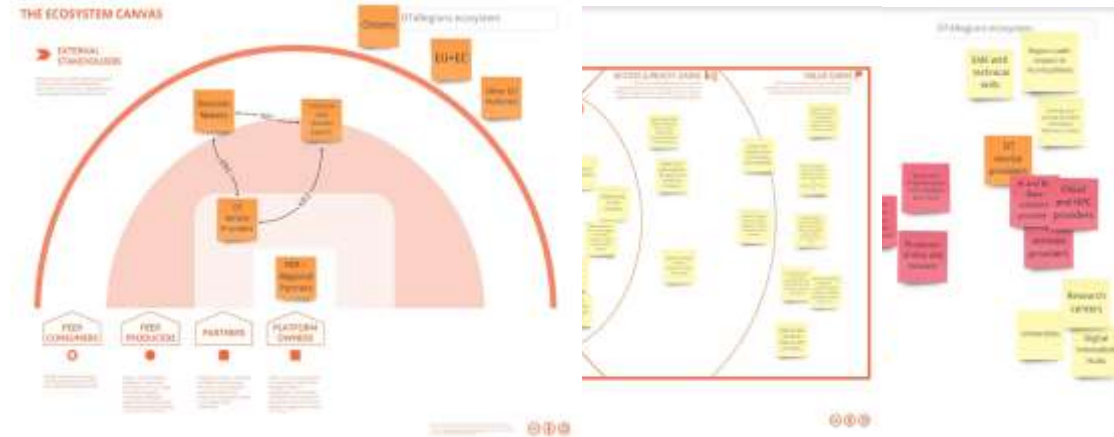


Why Platforms?



We learned from:

- Questionnaire and desk research for the Deliverable D2.1
- The WP2 co-design session with regional representatives in January 2022
- The work coming from the other Work Packages, namely:
 - The questionnaire organised and spread by WP2-WP4 (ERRIN and ENOLL)
 - Capacity Building meetings organised by the WP4
 - The architecture and technical deployment of the platform by the WP2



How is it related to DT4Regions

The value of the DT4Regions platform is aimed to coordinate communities, contents and the work of other vertical platforms, initiatives and projects. The objective is to spur interactions, collaborations and exchange, enhancing the work of each of them.

Example of services, channels, and building blocks that should be part of the DT4Regions PLATFORM:

- public profiles
- activity/expertise/engagement badges
- communication channels
- idea challenge landing pages
- dashboard to coordinate common projects
- DT Stories
- Best practices, application blueprints
- collaboratively proposing ONTOLOGIES to make content searchable, actionable, dynamic
- surveys, polls, interactions with the community
- public projects landing pages
- newsletters and publishing of documents
- matchmaking (based on proper ontologies)





WP4 Mutual Learning & Capacity Building



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Francesca Spagnoli, Head of Projects & Capacity Building
European Network of Living Labs (ENoLL)

DT4REGIONS Capacity Building Pathway



What we have achieved in the First Year

Shortcut	Start date	Due date	2021				2022				2023			
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Survey	9/11/2021	31/1/2022												
Inventory	3/1/2022	29/4/2022												
Workshop	31/3/2022	31/3/2022												
Webinar #1	10/5/2022	10/5/2022												
Debate #1	29/6/2022	1/7/2022												
OLLD 2022	20/9/2022	23/9/2022												
EWRC #1	10/10/2022	13/10/2022												
Webinar #2	15/11/2022	17/11/2022												
Webinar #3	2/1/2023	2/1/2023												
Webinar #4	3/4/2023	3/4/2023												
Debate #2	8/6/2023	8/6/2023												
OLLD 2023	6/9/2023	6/9/2023												

Survey Results

The **DT4Regions** and **Living-in.EU** initiatives have created a short survey opened for all the European cities and Regions to participate in from **December 2021 to February 2022**. The aim of the survey was to map relevant stakeholders related to Digital Transformation, Big Data and AI in regions and cities, as well as to identify learning needs and challenges faced by the public sector and practitioners. Responses to the survey provides an important point of reference in the process of the DT4Regions platform creation.

In total we received **38 answers** to the survey, which provided very insightful information in terms of stakeholder mapping, as well as interests and needs of European cities and regions in terms of future trainings and learning offerings. The distribution of answers was quite equal between regions and cities, and most of them already have experience in implementing digital transformation projects (28 out of 38 answers). In general, most of the respondents to the survey has shown willingness to contribute to the development of the training program of DT4Regions and Living-in.EU, to be combined with an inventory of already existing training courses on digital transformation.



ID	Name	Organization	Initiative	Link	Topic	Type	Publication date
1	Digital Services for Europe	Urban Agenda of the EU, European Commission	Living-in.eu	Here	Digital Awareness; Digital Leadership; Digital Technology;	Paper	2020
2	Machine Learning With Neural Networks	INRIA	ai4europe	Here	Machine Learning; Neural Networks;	Masterclass	12/09/2021
3	Dynamic Visualisations for Analysing Road Accidents and Traffic Conditions: The Case of WebGLayer	PoliVisu	EU Horizon 2020	Here	Transportation;	Webinar	23/6/2020
4	Virtual Learning Lab of ENoLL	ENoLL		Here	Living Labs;	Training course	-
5	The Experimental Approach: Reinveting Policy Making In The Age Of Data	PoliVisu	EU Horizon 2020	Here	Policy making; Big Data;	Webinar	30/10/2020
6	Data-driven methodology for electricity characterisation of districts	EC Joinup	ELISE	Here	Energy; Big Data;	Webinar	4/7/2021
7	Open data for cities and communities	OASC CxC Academy		Here	Open Data;	-	-
8	ELISE - European Location Interoperability Solutions for e-Government	EC Joinup	ELISE	Here	Geospatial Data;	Training course	-

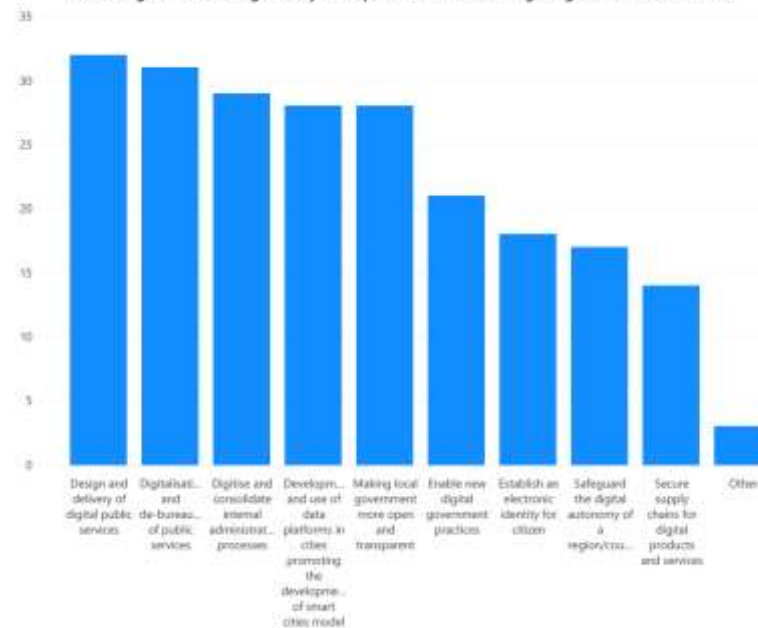
Survey Results

The main **fields of work** of the respondents are related to: *Digital Identity, Digitisation of internal processes, Cybersecurity, Data Space, Telemedicine, Digital Twins, Transport and Tourism.*

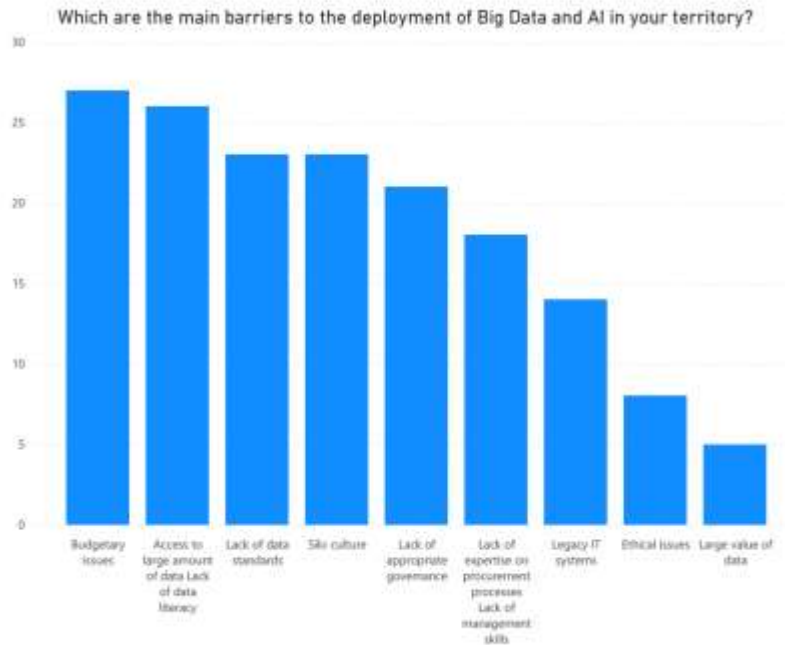
Regional & City Challenges

In terms of challenges regions and cities are facing with regards to the implementation of digital transformation projects, the most relevant ones are related to the *design and delivery of digital public services*, as well as the *digitalisation of internal processes and consolidation of internal administrative processes*. Other priorities for European cities and regions in terms of challenges are also to make local government more open and transparent, use data platforms to promote the development of smart cities and enable new digital government practices.

Which regional challenges do you hope to address through digital transformation?



Survey Results



Barriers of deploying AI

With reference to the main barriers identified by the European regions and cities involved in the survey, the most relevant ones are related to *budgetary issues and access to large amount of data / data literacy*. Also being able to break the silo culture by benefitting from more data standard and creating capacities for appropriate governance and procurement processes is quite important for most of the regions and cities that participated in the survey.

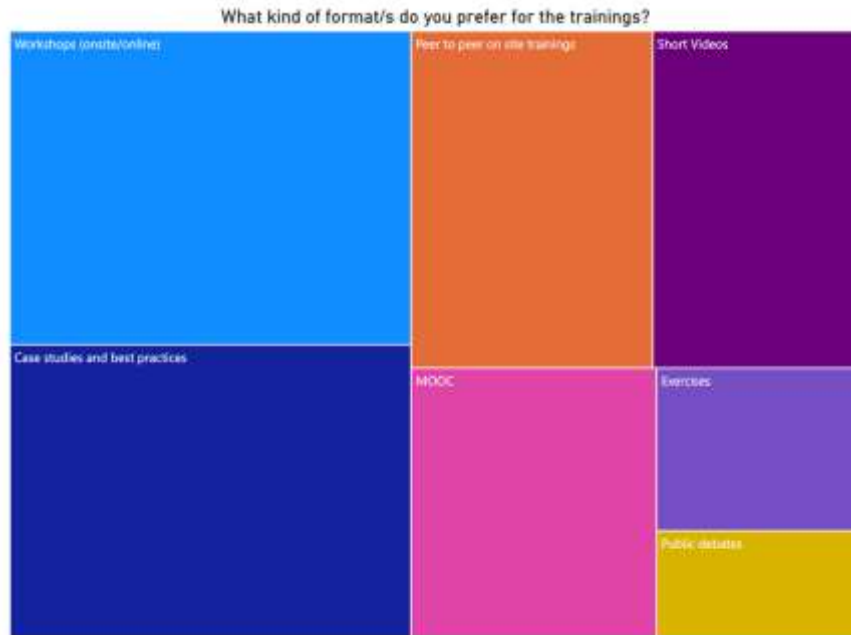
Survey Results

Capacity building topics

The European regions and cities have identified *Artificial Intelligence and Big Data* as the most interesting topics to learn more from the joint DT4Regions and Living-in.EU Capacity Building Program. Apart from these two initial topics, they are also eager to have specific trainings on the concept of Data Spaces and Living Labs for the Digital Transformation of Cities and Regions, along with Cybersecurity, Digital Identity and Digital Twins.



Survey Results



Capacity building formats

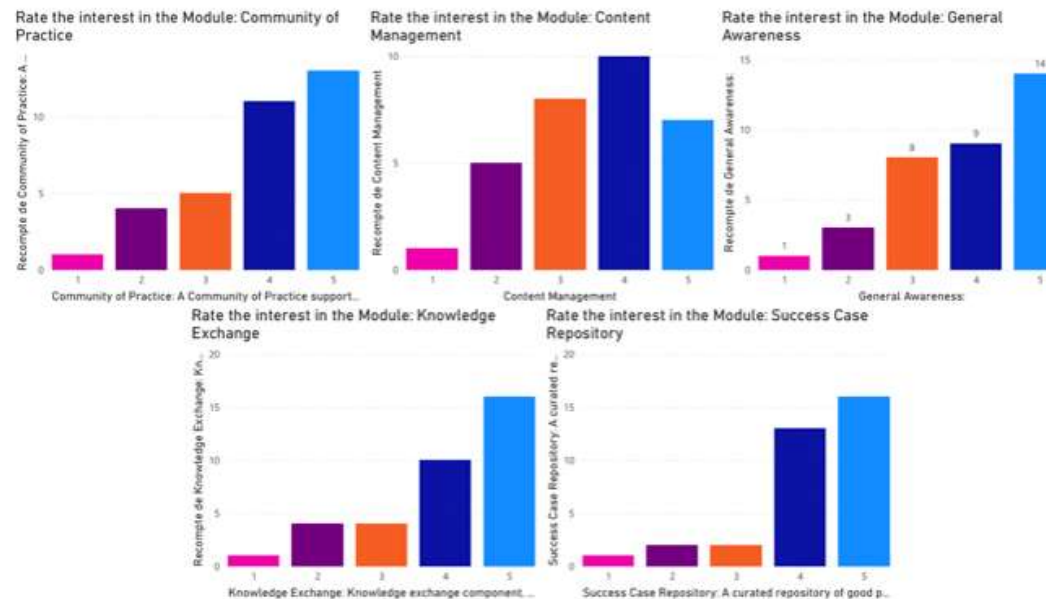
For most of the respondents to the survey, *workshops* and *case studies / best practices* have been selected as the preferred formats for learning more about digital transformation of European regions and cities. Along with these, also peer to peer on site trainings have been identified as very relevant formats, in conjunction with short videos and MOOCs. Exercises and public debates are the least preferred formats for the Capacity Building Program.



Survey Results

Relevance of Capacity Building Platform Modules

With reference to the modules that will be offered by the Capacity Building platform of DT4Regions, the European regions and cities are mostly interested in the *knowledge and repository* features, while the content management system part is mainly addressing the technical part of the platform. The *Community of Practice* is also selected as one of the relevant features, which should include in the opinion of the respondents to the survey: sharing experiences, open forum to ask questions, transparent knowledge sharing, information about digital policies at all levels, information about funding and cooperation opportunities, along with the possibility to work on small result-oriented working groups.





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Workshop

Regions, cities and policymakers:

- Learn more about the **DT4REGIONS and Living-in.EU Joint Capacity Building Programme**
- Exchange on your training needs in the field of **digital transformation** in an interactive session



31 March 2022 • 10:00-12:00 CEST

Register: <https://bit.ly/3IHfBz>



Agenda of the Workshop: “DT4REGIONS and Living-in.EU Joint Capacity Building Programme”

Agenda Point	Time	Speakers
Welcome & objectives	10.00 – 10.05 am	<i>Francesco Raphael Frieri - General Director, Emilia-Romagna Region, Italy</i>
DT4REGIONS and Living-in.EU Initiatives: Strategic Alignment	10.05 – 10.20 am	<i>Noirin Earcain, Seconded National Expert at DG CONNECT at European Commission</i>
The Joint Capacity Building Programme and Results from the Survey	10.20 – 10.25 am	<i>Francesca Spagnoli – Head of Projects & Capacity Building at the European Network of Living Labs</i>
Interactive Session: Further Scoping the Capacity Building Needs of European Cities and Regions	10.35 – 11.35 am	<i>Session moderated by Francesca Spagnoli – Head of Projects & Capacity Building at the European Network of Living Labs</i>
Break		
Wrapping and conclusion	11.45 - 11.55 am	<i>Fernando Vilariño – Leader of the Action Oriented Task Force on Social Impact of AI and Associate Director at Computer Vision Centre</i>
Closing of the event	11.55 am - 12.00 pm	<i>Stefania Sparaco – DT4REGIONS Project Coordinator, Emilia-Romagna Region, Italy</i>

104 people registered, 50 people attended the event



Workshop Results

Challenges

What's in it now?



What to add?



Please vote for the most important ones (only 1 vote each)



Workshop Results

Fields of work



Please vote for the most important ones (only 1 vote each)

Workshop Results

Barriers for deploying AI

What's in it now?



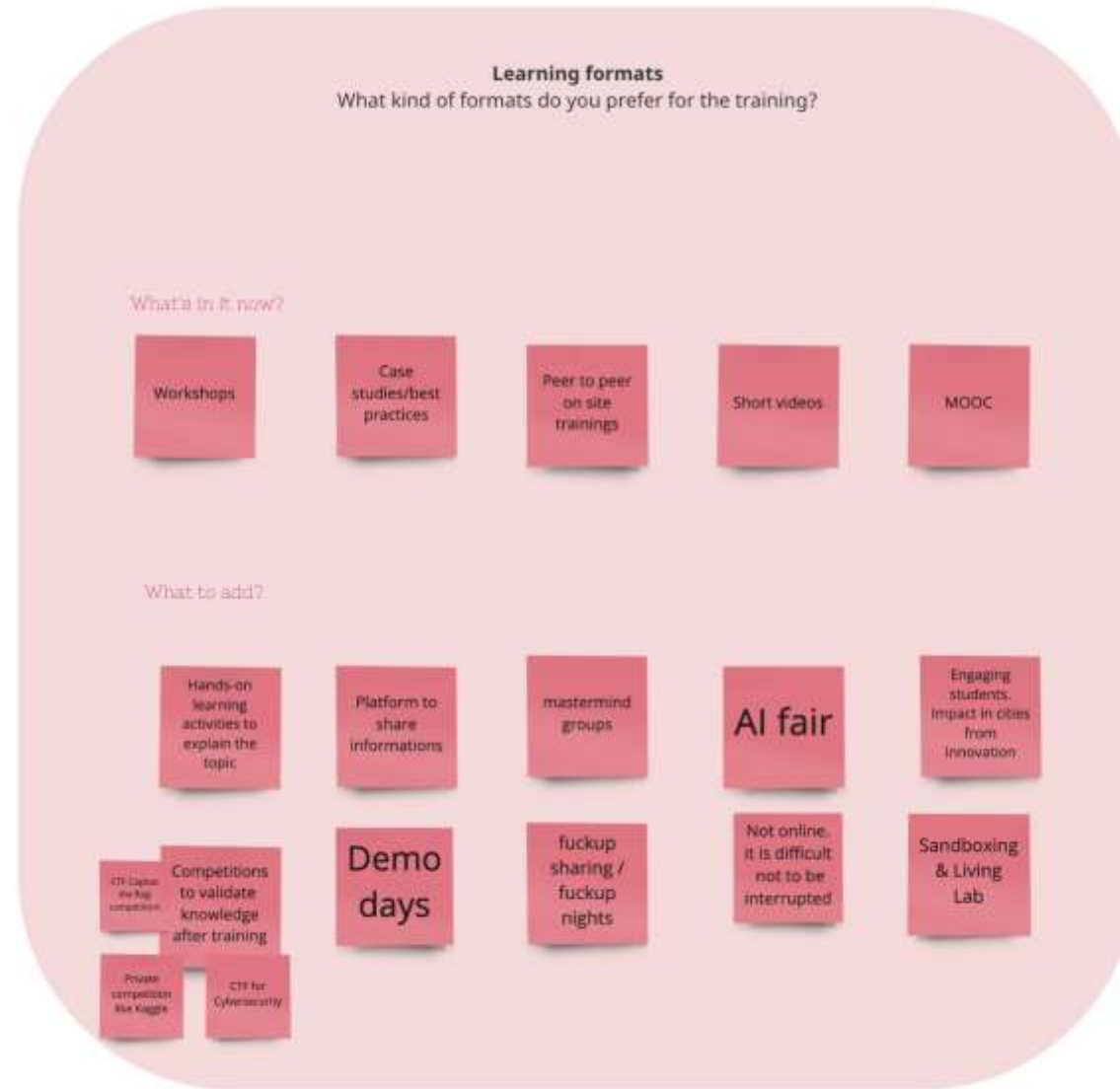
What to add?



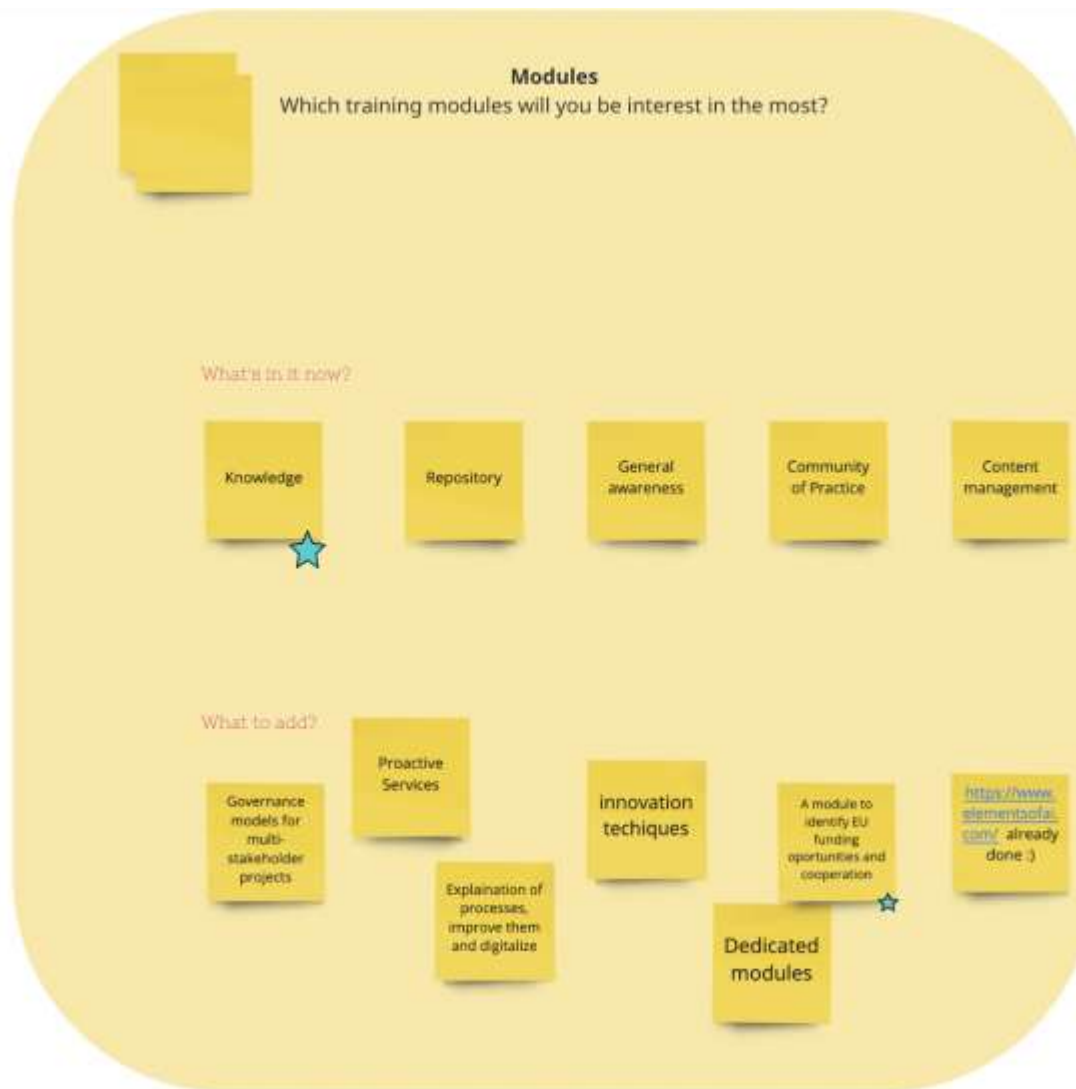
Please vote for the most important ones (only 1 vote each)



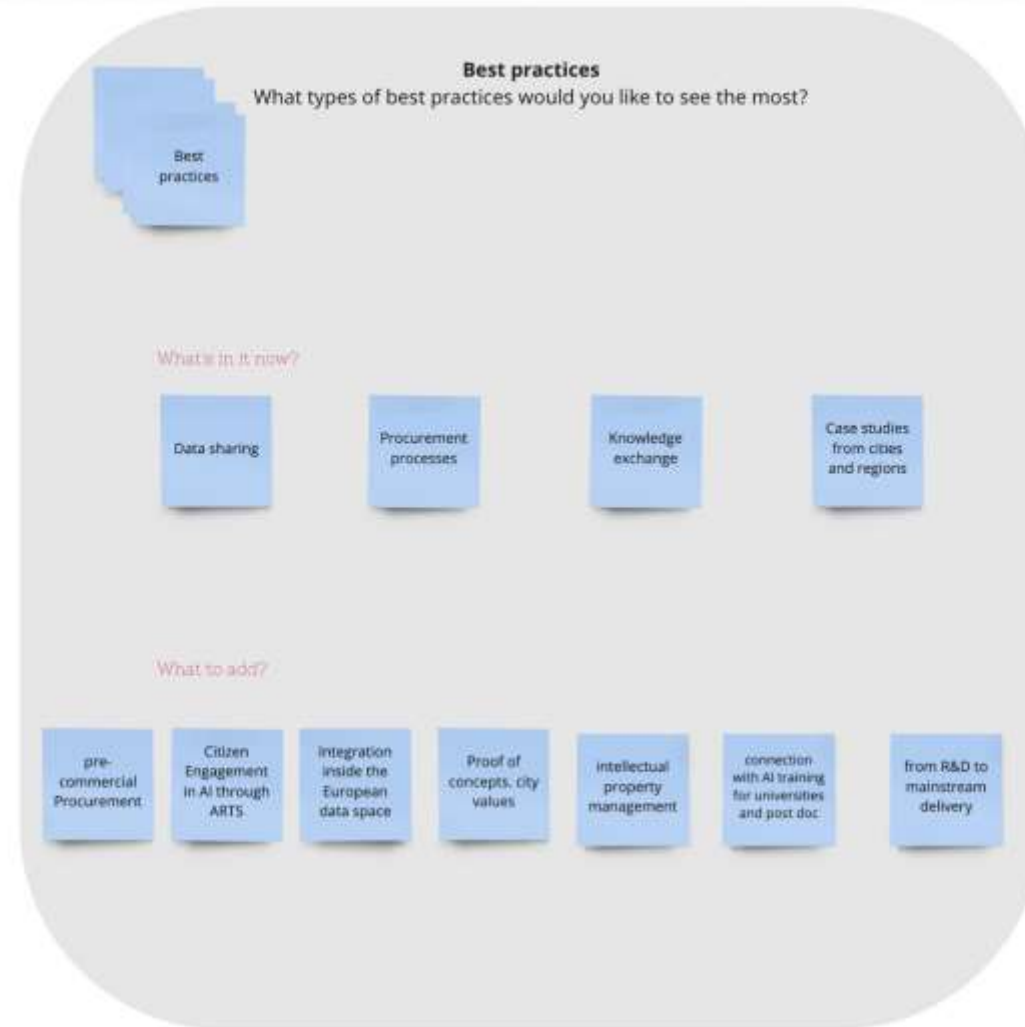
Workshop Results



Workshop Results

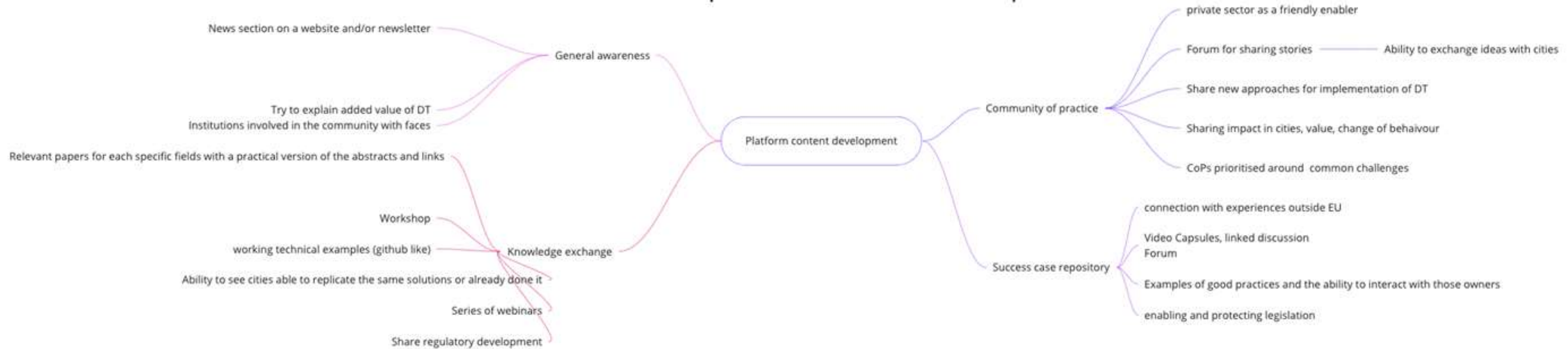


Workshop Results



Workshop Results

DT4REGIONS platform: content development



Capacity Building: Next Steps





20-23 September 2022 in Turin, Italy

OpenLivingLab Days 2022

“The city as a Living Lab, but now for real: re-working open innovation environments for inclusive, green and digital transition through emerging technologies”



OpenLivingLab Days is the annual event organised by the European Network of Living Labs. The event offers a space or a platform for public officials, companies, entrepreneurs, academics, living lab representatives, and innovators to connect and work together: to create new products and services, to set the basis for debate and exploration of theories, and to discuss and process policy recommendations within the practical elements of open and user-driven innovation. This year we will meet in person again! Together with the local host, Torino City Lab, we are preparing an exciting new edition. Save the date on your agenda and join us in Turin, Italy!

DT4REGIONS Digital Transformation for Regions



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DT4REGIONS PLATFORM

Jean Barroca, Associate Partner, Deloitte



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DT4Regions Platform Development Process

Requirements Gathering

The first step in web development is the translation of project needs into features

01

02

Validation and Testing

Through validation and testing we ensure that the platform responds as intended and also that it meets the needs identified by all initially

03

04

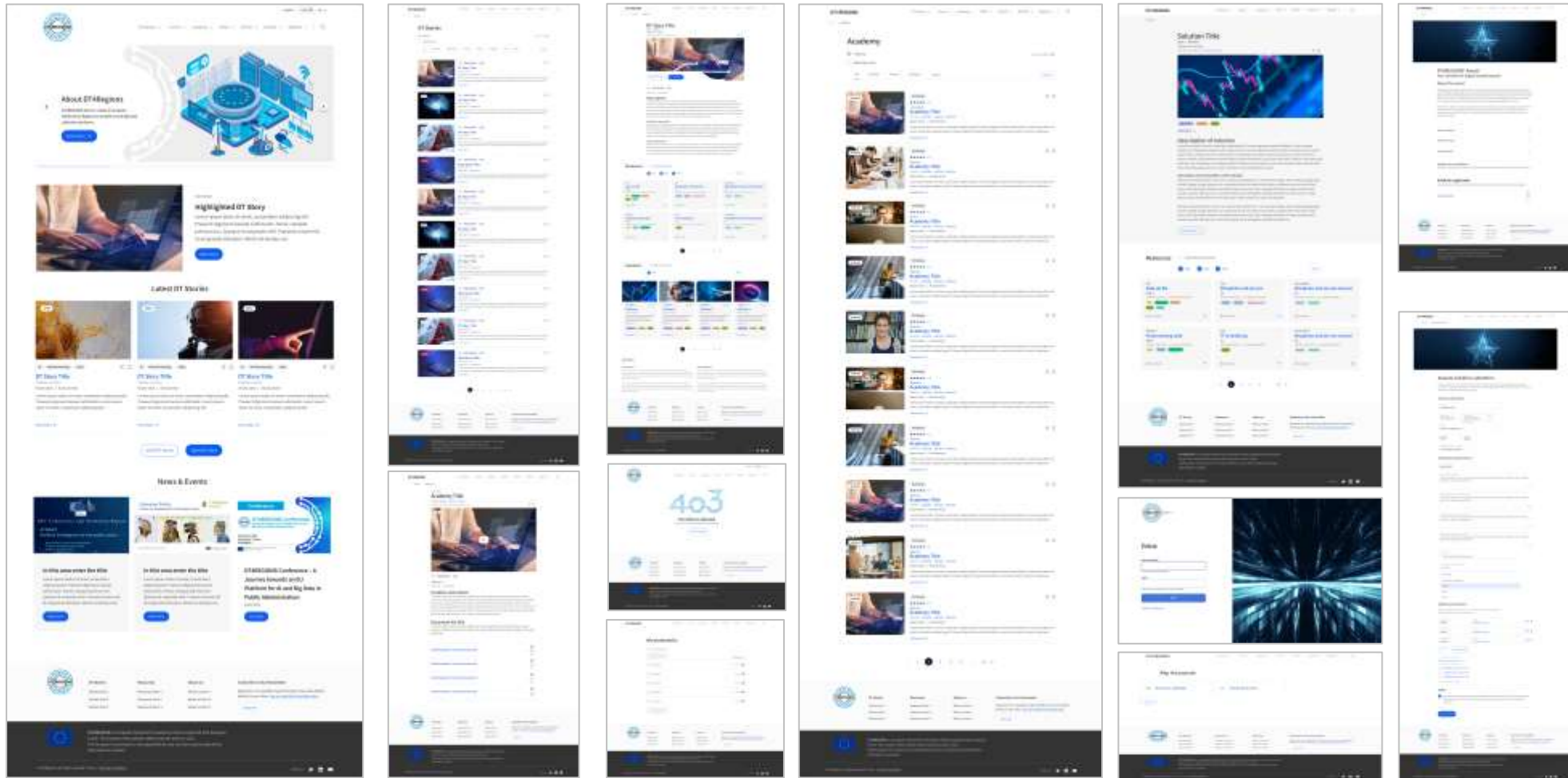
Interface Layout

The interface of the platform ensures that it conveys the principles of the project and creates a coherent language for the end user

Maintenance & Evolution

All platforms need to be continuously maintained and evolved, and this step is crucial as it allows the platform to continuously respond to the needs of its end users

Interface Design



DT4REGIONS Digital Transformation for Regions



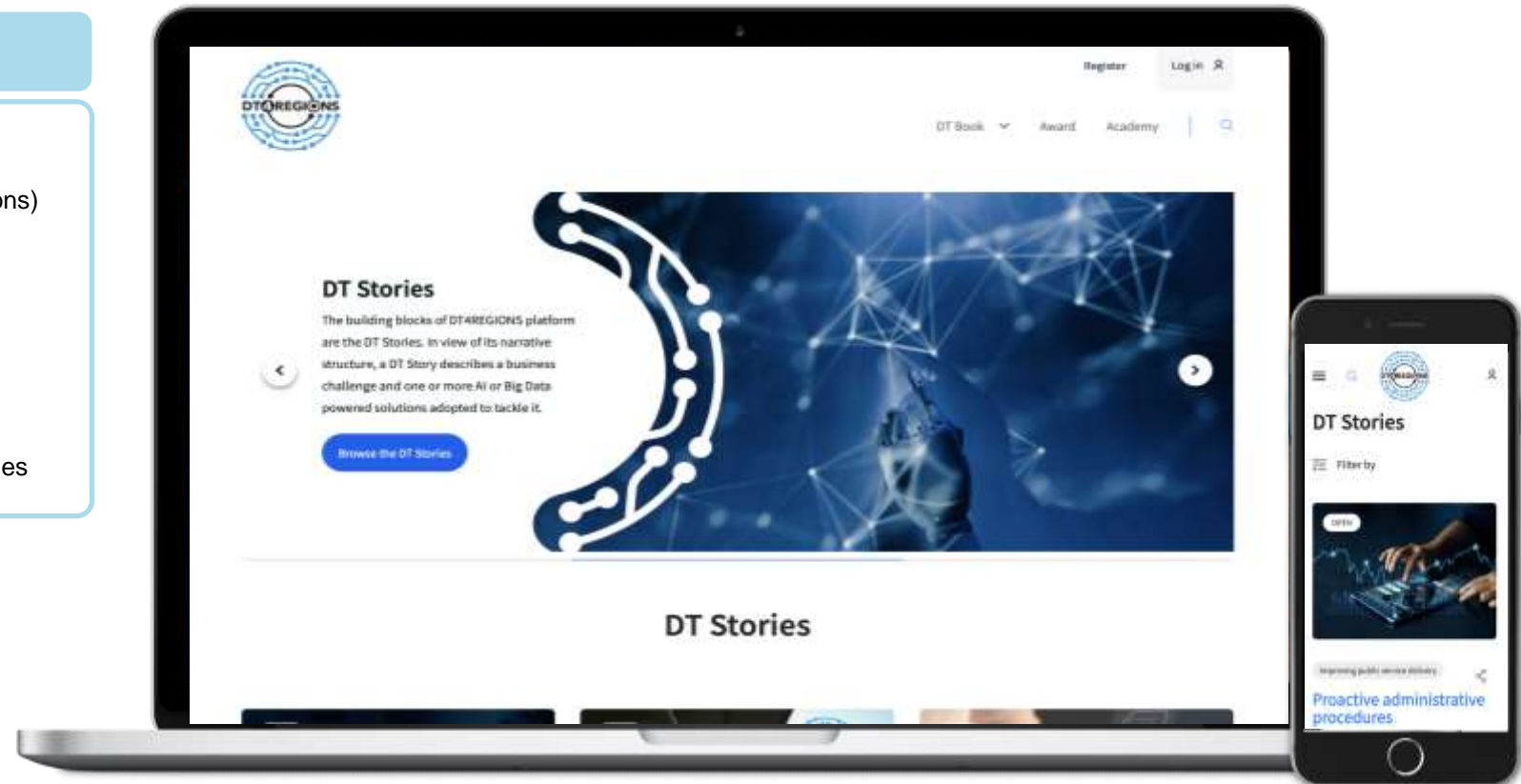
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DT4Regions MVP

The first major release of DT4REGIONS collaborative platform contains the core functionalities identified through a co-creation process with the input of regional partners and their ecosystems, as well as accounting for users' needs.

MVP Features

- Homepage
- DT Stories (& DT Solutions)
- Academy
- Awards
- Search
- Login & Register
- Save & Rate functionalities



Future Components

In future releases, new features might be added to the platform, in order to increase the uptake of the platform by enhancing the platform's capability of connecting the multiple stakeholders involved in the AI & Big Data scene. Some examples are:

Forum	News & Events	Publications
A collaborative environment to promote interactions and discussions within DT4REGIONS community.	A module to generate general awareness of the activities and initiatives updates of the community.	To display a wide variety of useful and technical documents such as Reports, Scientific Papers, etc.
Public Profile (Community)	Challenges	Private Messaging
A public profile page available to each community member, to display each user's interests, and content produced.	A place to centralize open challenges, increase their visibility and give a boost to participation and sharing.	A system to strengthen peer-to-peer knowledge sharing, allowing users to communicate and share ideas.



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