

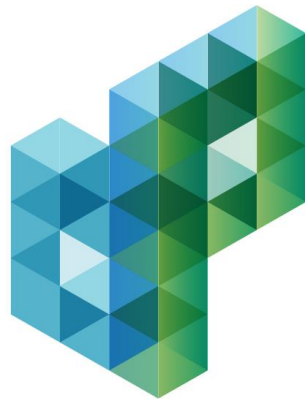
Sara Angotti – MEEM
Cinzia Gatto – MIMS
27/05/2021



Strategy roadmap

01

**The preparatory
work**



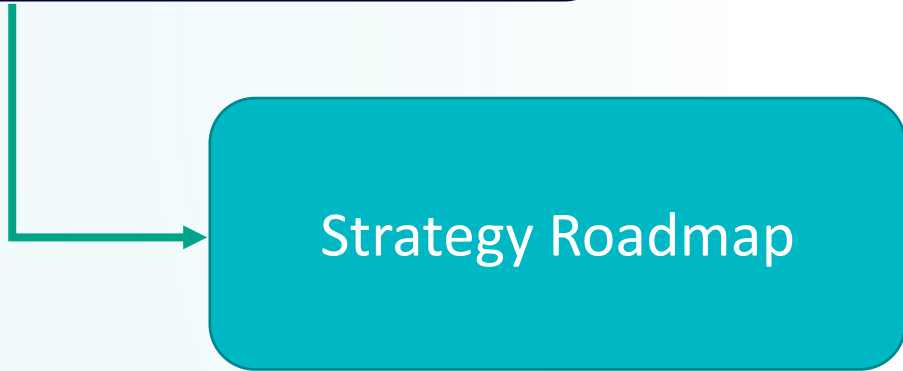
DigiPLACE expected output



**DigiPLACE
Reference Architecture
Framework**

A comprehensive set of common guidelines

For building and deploying interoperable digital platforms for the construction sector across Europe



Strategy Roadmap

How to get there

Define a Strategy Roadmap to support the stakeholders for the progressive implementation(s) of the Reference Architecture Framework and applications



This project has received funding from the European Union's Horizon 2020 programme under Grant Agreement No. 856943

4 corner-stones approach 1/2



Promote
&
Network

Creating a **long-lasting stakeholders ecosystem** to promote, support and refine DigiPLACE RAF

Develop
&
Deploy

Integrating, stimulating, experimenting (**large-scale pilots**), assessing the use and monitoring the impact of platforms and associated services leveraging on DigiPLACE RAF

Foster &
Secure

Contributing to RAF-based **digitalisation of European and national regulations**

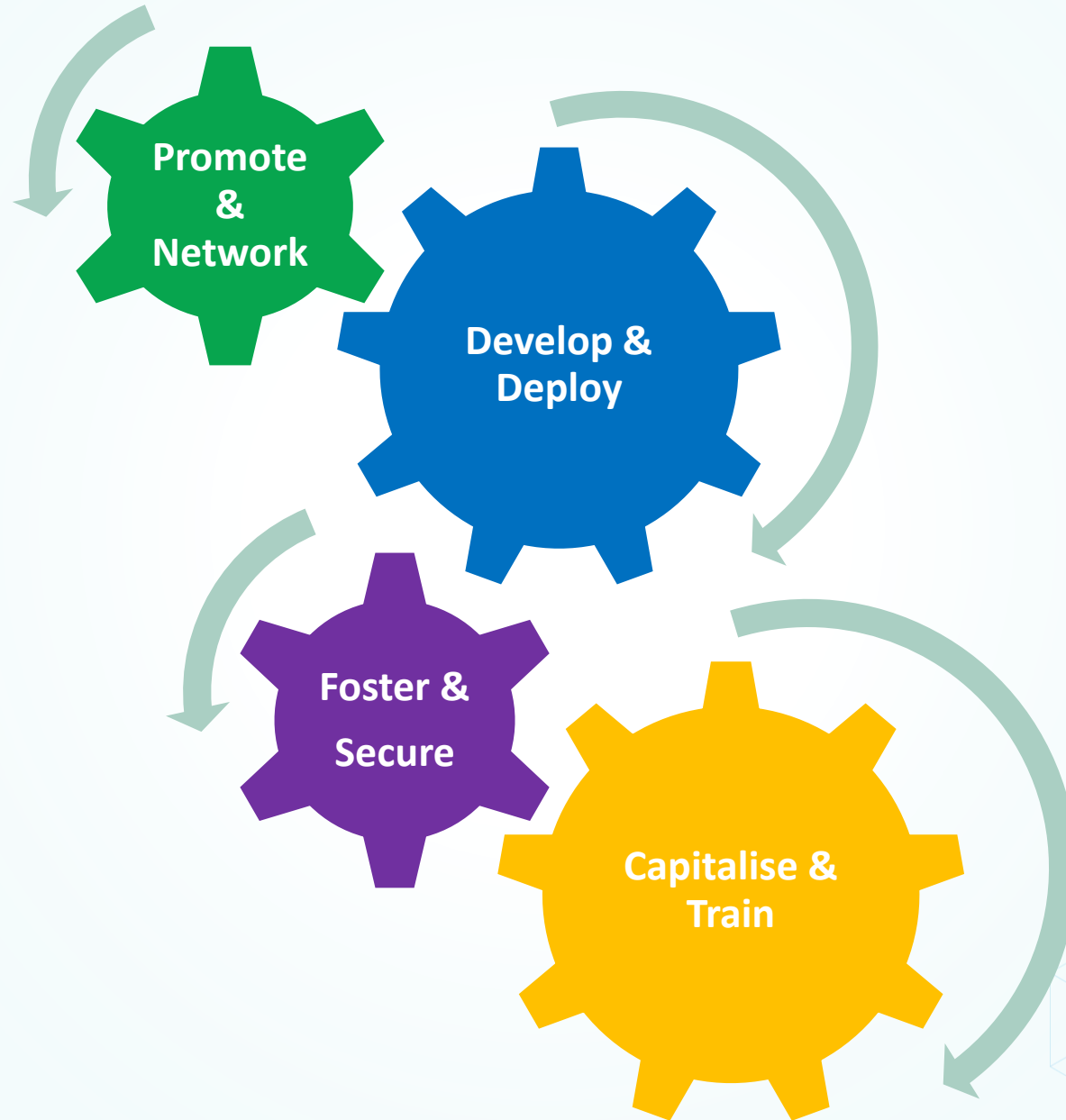
Capitalise &
Train

Developing **expertise** and contributing to **training/digital skills** development in construction

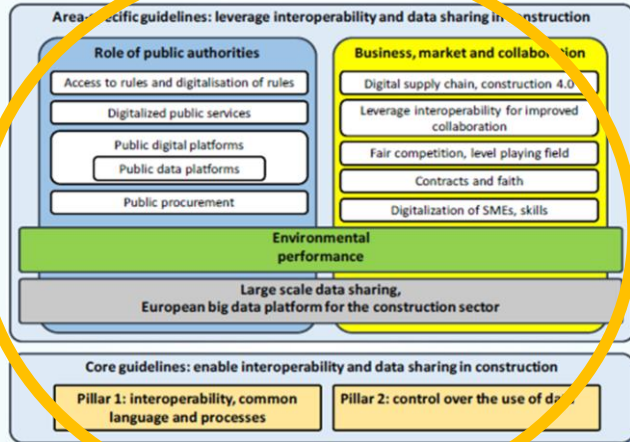


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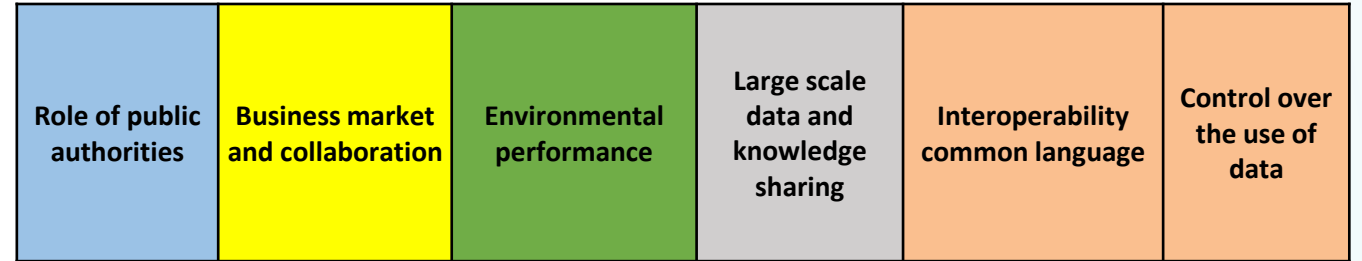
4 corner-stones approach 2/2



Preparatory work



RAF areas



WP6 topics

| | Role of public authorities | Business market and collaboration | Environmental performance | Large scale data and knowledge sharing | Interoperability common language | Control over the use of data |
|-------------------------|----------------------------|-----------------------------------|---------------------------|--|----------------------------------|------------------------------|
| 1. Promote and Network | X | X | X | X | X | X |
| 2. Develop and Deploy | | | | X | X | X |
| 3. Foster and Secure | X | | X | | | |
| 4. Capitalise and Train | X | X | | | | |



Example of actions 1/2



Promote and Network

Creating a long-lasting stakeholders ecosystem to promote, support and refine DigiPLACE RAF

| | |
|--------------------|---|
| Action #1.1 | Creating a long-lasting European stakeholders ecosystem/Forum to promote, support and continuously refine the DigiPLACE RAF |
| Action #1.2 | Developing partnership with other "communities" (public bodies, outside EU, outside construction sector, etc.) involved in construction and/or digitalisation |
| Action #1.3 | Developing national mirror groups to promote at national scale the use of the DigiPLACE RAF and improve it regarding national challenges |
| Action #1.4 | Defining a methodology to refine DigiPLACE RAF |
| Action #1.5 | Collecting and communicating data/information about the added value of digital transition of construction projects |



Example of actions 2/2

Promote and Network

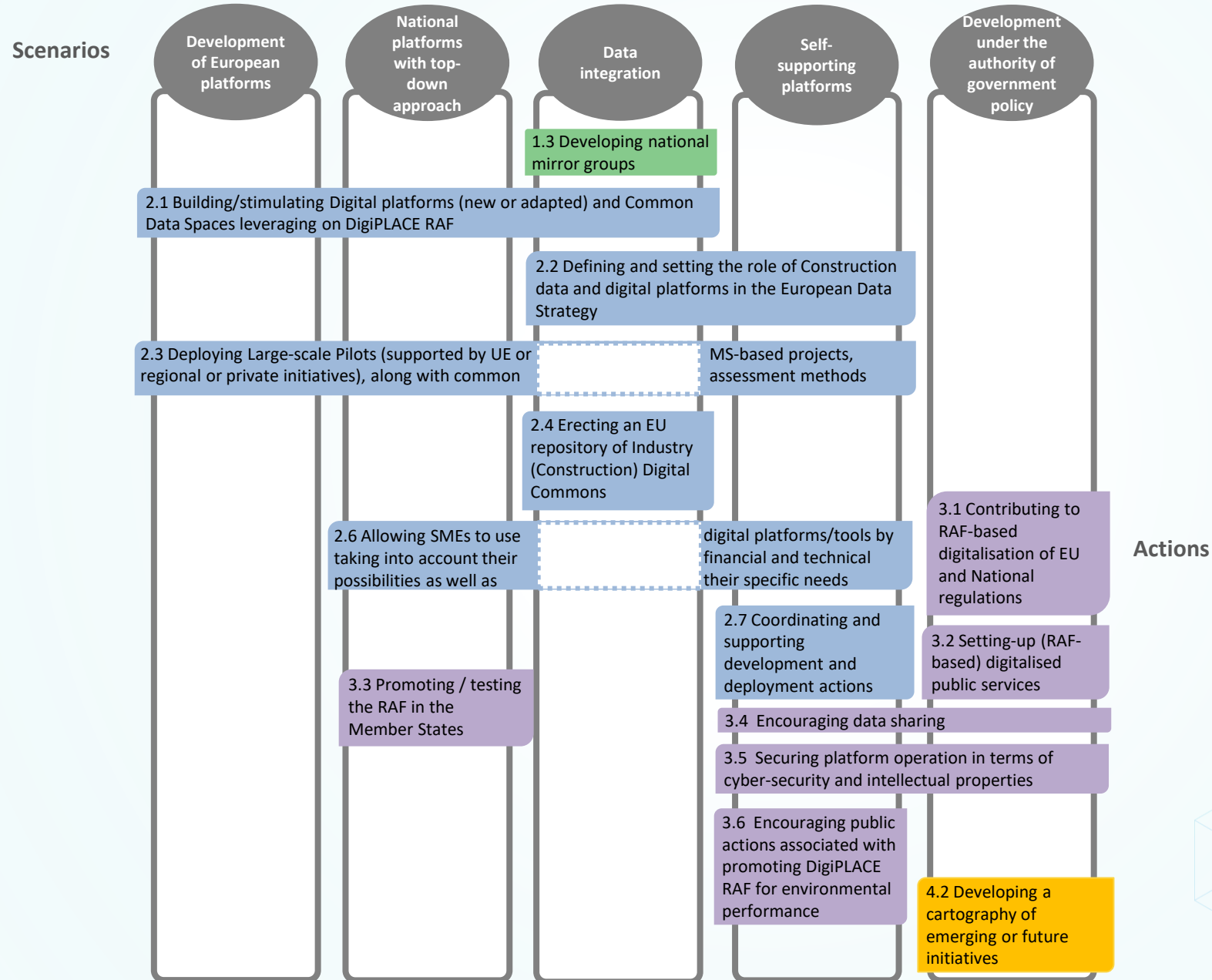
Action #1.1

Creating a long-lasting European stakeholders ecosystem/Forum to promote, support and continuously refine the DigiPLACE RAF

- **Objective:** Develop and nurture DigiPLACE community and increase knowledge sharing and consensus creation
- Setting up of **Governance and Management entity**
- Dedicated **Task forces** focusing on RAF's areas
- Links with national (**mirror groups**) and European levels (**partnerships**)



Implementing scenarios and link with Strategy roadmap's actions



02

**The Strategy
Roadmap**



The Strategy Roadmap – What is it?

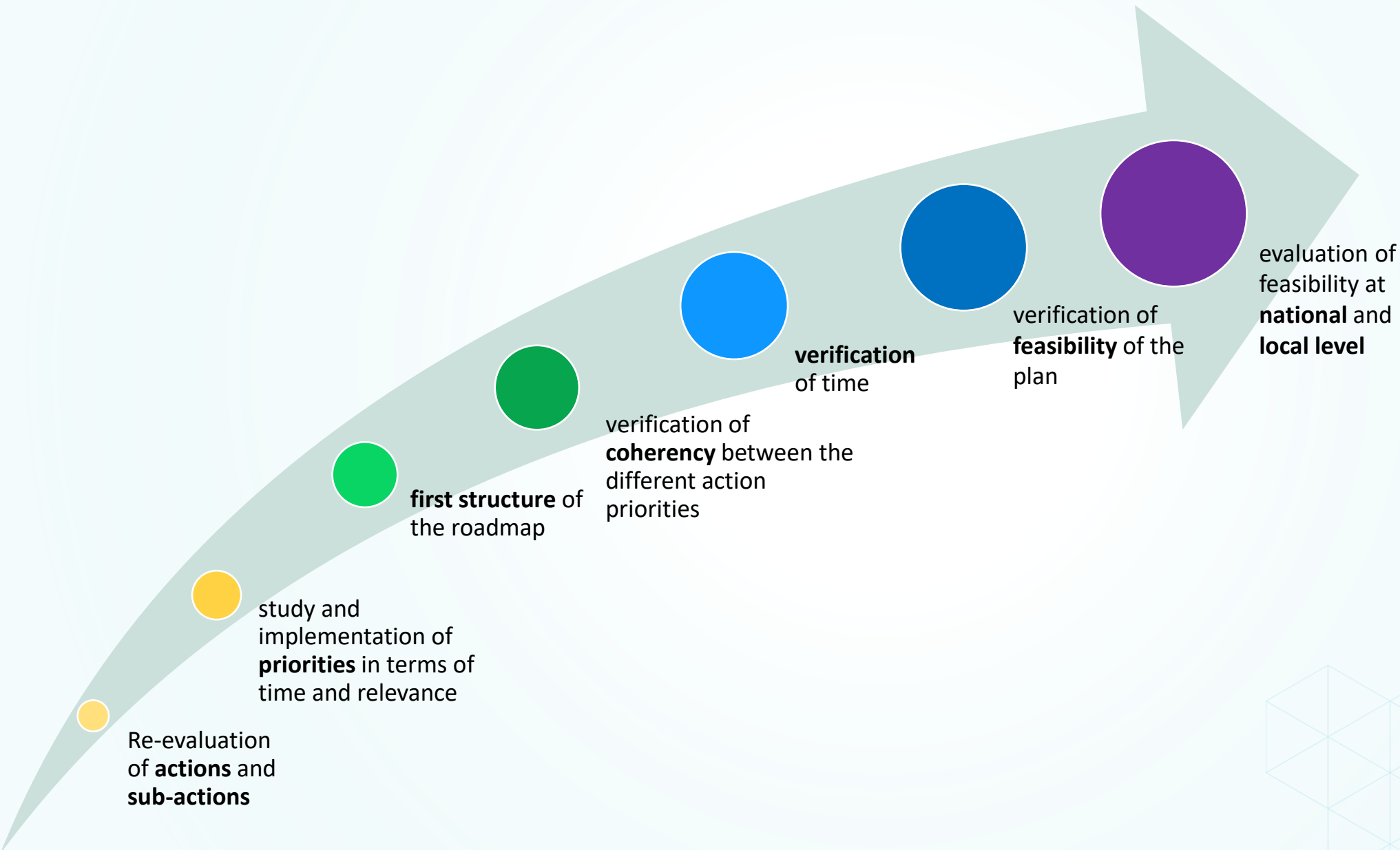
... “a bridge between strategy and execution”

... “a continuous process that evolves continuously”

... “a visualization of action plan”

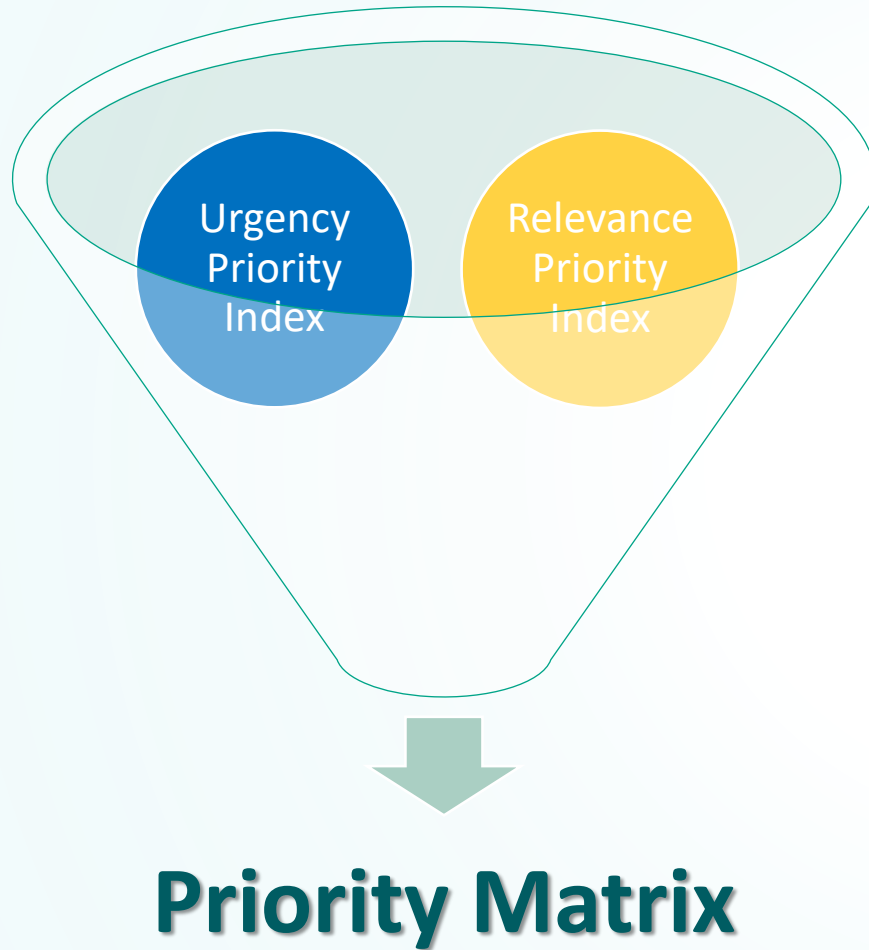


Strategy roadmap - Methodology



This project has received funding from the European Union's Horizon 2020 programme under Grant Agreement No. 856943

Strategy roadmap - Urgency and Relevance Priority Index



Strategy roadmap



STRATEGY ROADMAP

SUPPOSED START DATE

01/01/2022

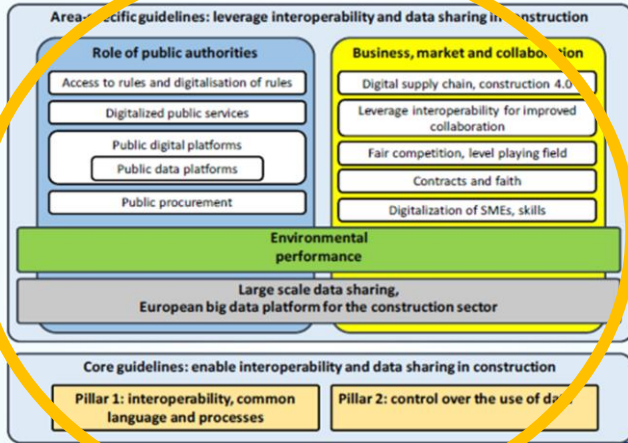
| TOPICS | 1st year | | | 2nd year | | | 3rd year | | | 4th year | | | 5th year | | | 6th year | | | 7th year | | |
|-----------------------|---|-----|-----|------------|-----|-----|------------|-----|-----|------------|-----|-----|------------|-----|-----|------------|-----|-----|------------|-----|-----|
| | gen | mag | set | gen | mag | set | gen | mag | set | gen | mag | set | gen | mag | set | gen | mag | set | gen | mag | set |
| | 1st Review | | | 2nd Review | | | 3rd Review | | | 4th Review | | | 5th Review | | | 6th Review | | | 7th Review | | |
| | ACTIONS | | | | | | | | | | | | | | | | | | | | |
| 1. Promote & Network | 1.1 Creating a long-lasting European stakeholders ecosystem/Forum... | | | | | | | | | | | | | | | | | | | | |
| | 1.2 Developing partnership with other "communities" involved in construction and/or digitalisation | | | | | | | | | | | | | | | | | | | | |
| | 1.3 Developing national mirror groups to promote at national scale the use of DigiPLACE RAF and improve it regarding national challenges | | | | | | | | | | | | | | | | | | | | |
| | 1.4 Defining a methodology to refine DigiPLACE RAF | | | | | | | | | | | | | | | | | | | | |
| | 1.5 Collecting and communicating data/information about the added value of digital transition of construction projects | | | | | | | | | | | | | | | | | | | | |
| 2. Develop & Deploy | 2.1 Building/stimulating Digital platforms (new or adapted) and Common Data Spaces leveraging on DigiPLACE RAF | | | | | | | | | | | | | | | | | | | | |
| | 2.2 Defining and setting the role of Construction data and digital platforms in the European Data Strategy | | | | | | | | | | | | | | | | | | | | |
| | 2.3 Deploying Large-scale Pilots (LSPs - supported by European or MS-based projects, regional or private initiatives), along with common assessment methods | | | | | | | | | | | | | | | | | | | | |
| | 2.4 Erecting an EU repository of Industry (Construction) Digital Commons | | | | | | | | | | | | | | | | | | | | |
| | 2.5 Contributing to standard developing organisations | | | | | | | | | | | | | | | | | | | | |
| | 2.6 Allowing SMEs to use digital platforms/tools by taking into account their financial and technical possibilities as well as their specific needs | | | | | | | | | | | | | | | | | | | | |
| | 2.7 Coordinating and supporting development and deployment actions and of a construction common data space | | | | | | | | | | | | | | | | | | | | |
| 3. Foster & Secure | 3.1 Contributing to RAF-based digitalisation of EU and National regulations | | | | | | | | | | | | | | | | | | | | |
| | 3.2 Setting-up (RAF-based) digitalised public services | | | | | | | | | | | | | | | | | | | | |
| | 3.3 Promoting/testing the RAF in the Member States | | | | | | | | | | | | | | | | | | | | |
| | 3.4 Encouraging data sharing | | | | | | | | | | | | | | | | | | | | |
| | 3.5 Securing platform operation in terms of cyber-security and intellectual properties | | | | | | | | | | | | | | | | | | | | |
| | 3.6 Encouraging public actions associated with promoting DigiPLACE RAF for environmental performance | | | | | | | | | | | | | | | | | | | | |
| 4. Capitalise & Train | 4.1 Contributing to training / digital skills development in construction | | | | | | | | | | | | | | | | | | | | |
| | 4.2 Developing a cartography of emerging or future initiatives and alliances dedicated to (RAF-compliant) digital platforms, apps, services and Construction Digital Innovation Hubs (DIHs) | | | | | | | | | | | | | | | | | | | | |

Strategy Roadmap & Corner – Stones: ex. Promote and Network

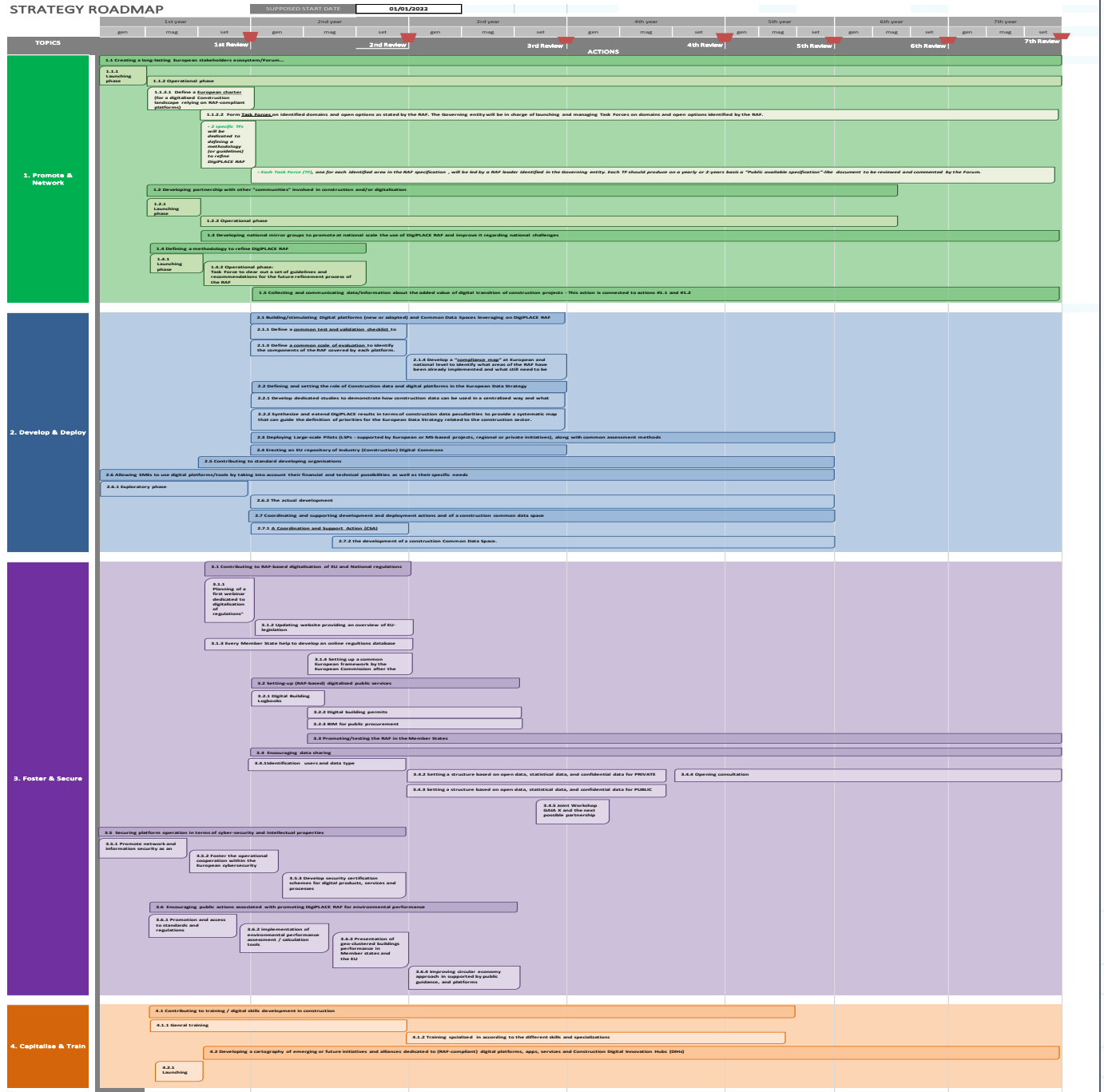


| TOPICS | 1st year | | | 2nd year | | | 3rd year | | | 4th year | | | 5th year | | | 6th year | | | 7th year | | |
|----------------------|--|-----|-----|------------|-----|-----|------------|-----|-----|------------|-----|-----|------------|-----|-----|------------|-----|-----|------------|-----|-----|
| | gen | mag | set | gen | mag | set | gen | mag | set | gen | mag | set | gen | mag | set | gen | mag | set | gen | mag | set |
| | 1st Review | | | 2nd Review | | | 3rd Review | | | 4th Review | | | 5th Review | | | 6th Review | | | 7th Review | | |
| | ACTIONS | | | | | | | | | | | | | | | | | | | | |
| 1. Promote & Network | 1.1 Creating a long-lasting European stakeholders ecosystem/Forum... | | | | | | | | | | | | | | | | | | | | |
| | 1.1.1 Launching phase | | | | | | | | | | | | | | | | | | | | |
| | 1.1.2 Operational phase | | | | | | | | | | | | | | | | | | | | |
| | 1.1.2.1 Define a European charter (for a digitalised Construction landscape relying on RAF-compliant platforms) | | | | | | | | | | | | | | | | | | | | |
| | 1.1.2.2 Form Task Forces on identified domains and open options as stated by the RAF. The Governing entity will be in charge of launching and managing Task Forces on domains and open options identified by the RAF. | | | | | | | | | | | | | | | | | | | | |
| | - 2 specific TFs will be dedicated to defining a methodology (or guidelines) to refine DigiPLACE RAF | | | | | | | | | | | | | | | | | | | | |
| | - Each Task Force (TF), one for each identified area in the RAF specification, will be led by a RAF leader identified in the Governing entity. Each TF should produce on a yearly or 2-years basis a "Public available specification"-like document to be reviewed and commented by the Forum. | | | | | | | | | | | | | | | | | | | | |
| | 1.2 Developing partnership with other "communities" involved in construction and/or digitalisation | | | | | | | | | | | | | | | | | | | | |
| | 1.2.1 Launching phase | | | | | | | | | | | | | | | | | | | | |
| | 1.2.2 Operational phase | | | | | | | | | | | | | | | | | | | | |
| | 1.3 Developing national mirror groups to promote at national scale the use of DigiPLACE RAF and improve it regarding national challenges | | | | | | | | | | | | | | | | | | | | |
| | 1.4 Defining a methodology to refine DigiPLACE RAF | | | | | | | | | | | | | | | | | | | | |
| | 1.4.1 Launching phase | | | | | | | | | | | | | | | | | | | | |
| | 1.4.2 Operational phase: Task Force to clear out a set of guidelines and recommendations for the future refinement process of the RAF | | | | | | | | | | | | | | | | | | | | |
| | 1.5 Collecting and communicating data/information about the added value of digital transition of construction projects - This action is connected to actions #1.1 and #1.2 | | | | | | | | | | | | | | | | | | | | |

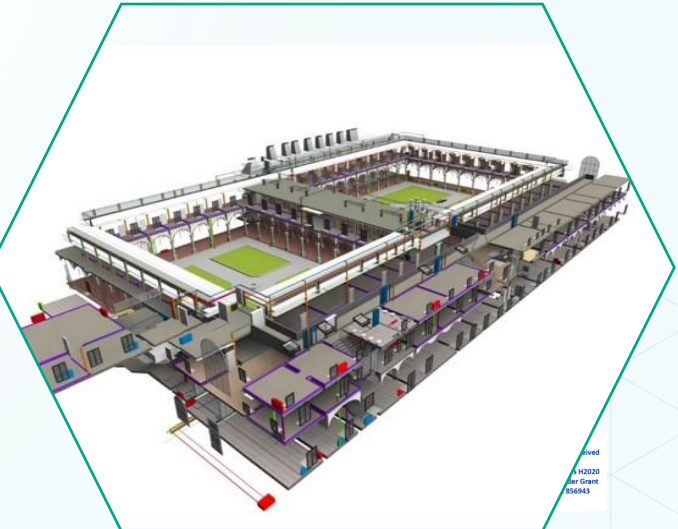
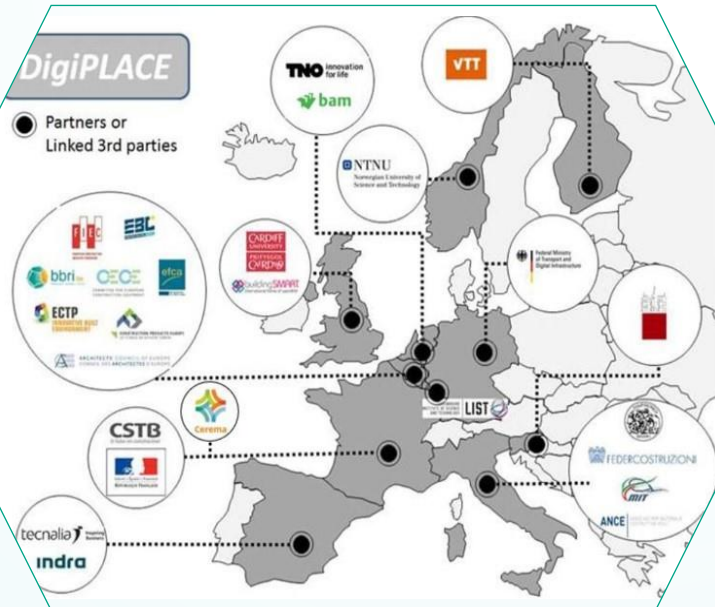
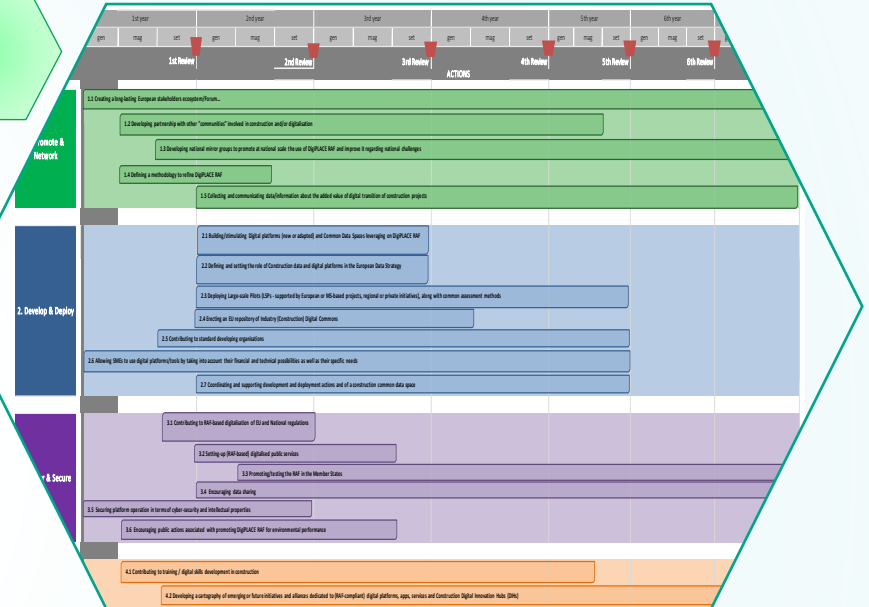
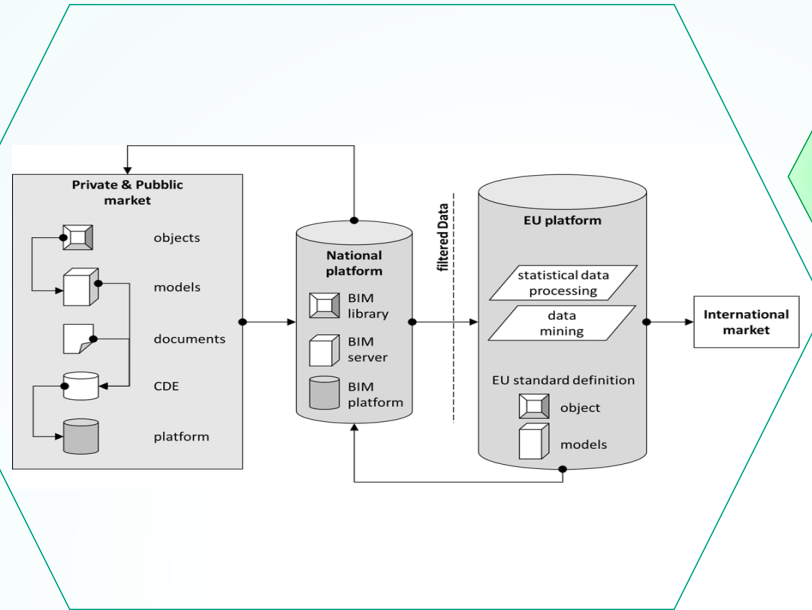
Conclusion



STRATEGY ROADMAP



Goals for the Future



Follow us



Digi_PLACE



DigiPLACE



DigiPLACE

www.digiplaceproject.eu



THANK YOU!

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