

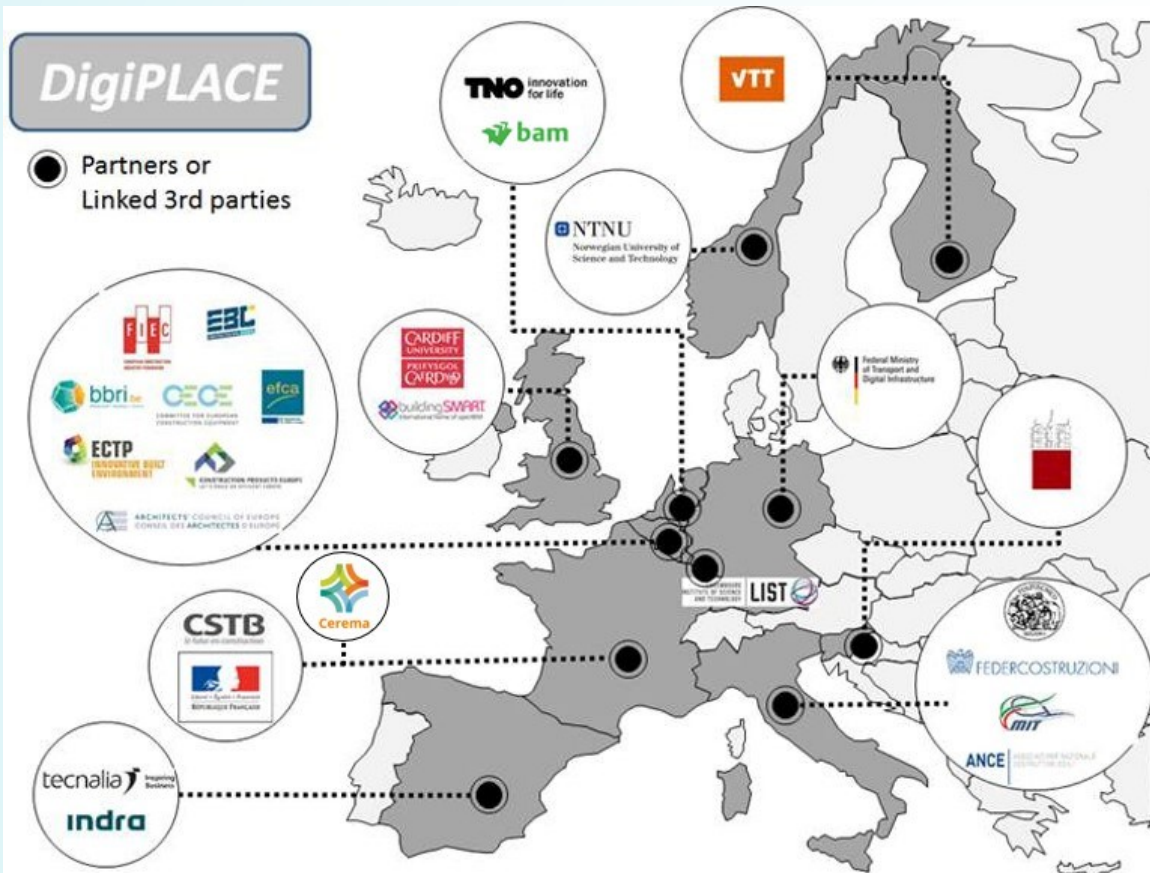


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**Toward a Reference
Architecture Framework for
the development of
interoperable construction
digital platforms in Europe**

DigiPLACE Project introduction



The highest-level objective of the **DigiPLACE** project is to create a

Reference Architecture Framework (RAF)

for the **digital industrial platform**

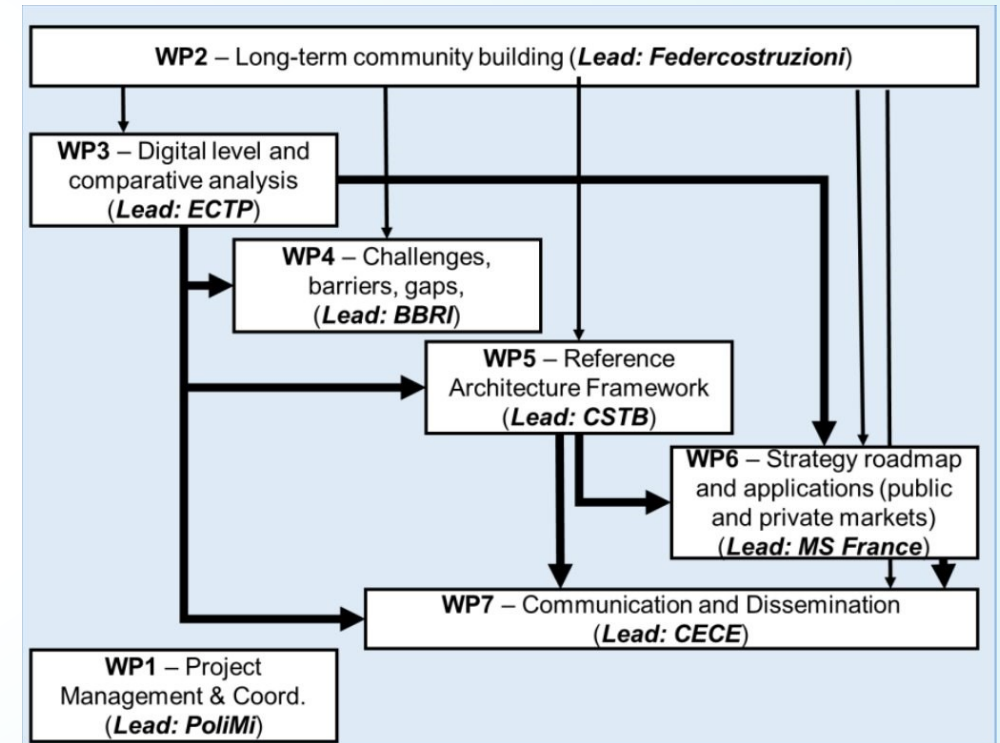
for the **construction sector**

based on a shared consensus along the entire chain

DigiPLACE Project Structure



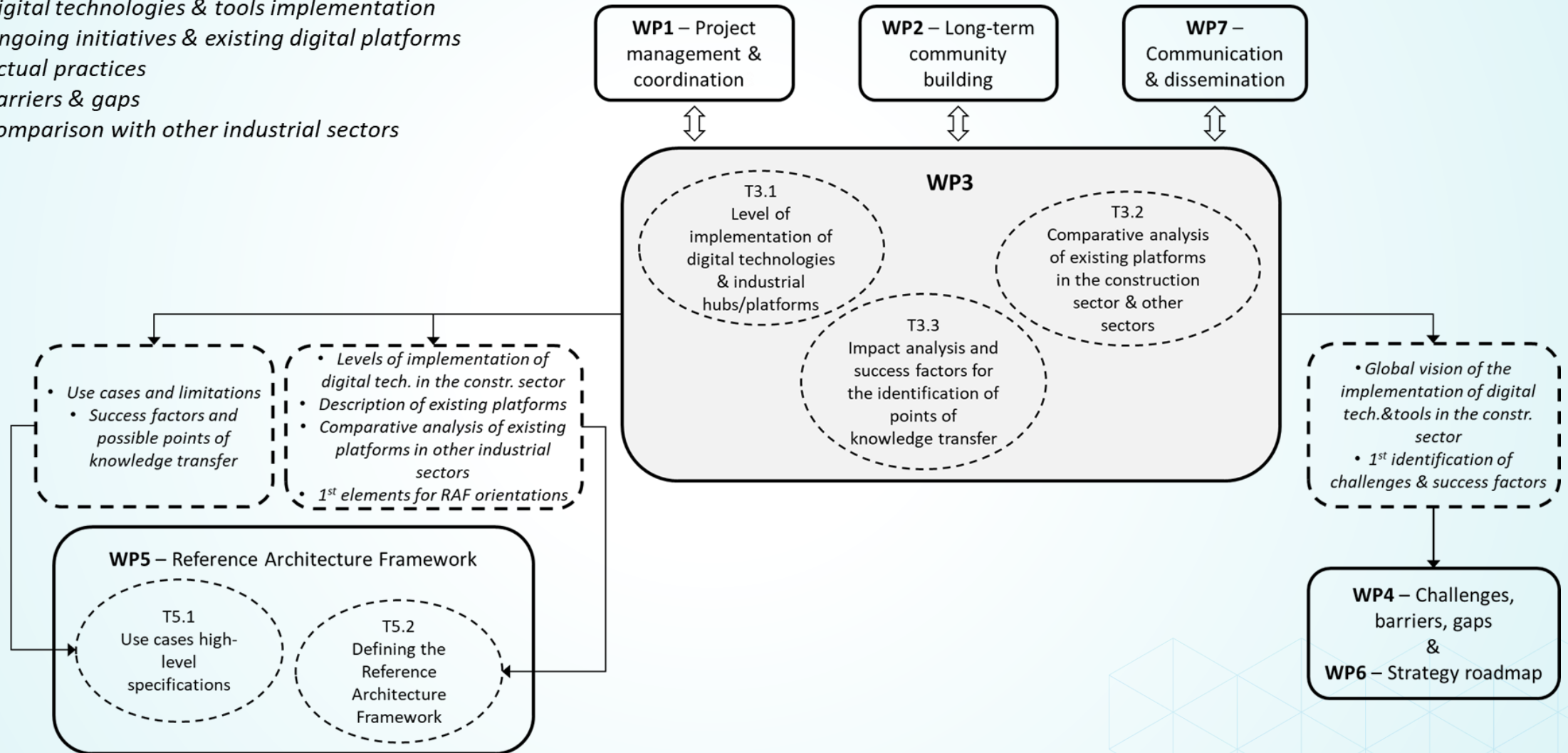
- WP1 – **Project management** - Politecnico di Milano
- WP2 – **Long term community building** - Federcostruzioni
- WP3 – **Digital level and comparison analysis** - ECTP
- WP4 – **Challenge barriers and gaps** - BBRI
- WP5 – **Reference Framework Architecture** - CSTB
- WP6 – **Strategy roadmap** (private and public markets) - MEEM
- WP7 – **Communication and dissemination** - CECE



Activities overview

- Provide a global vision of the level of digitalisation of the Construction sector

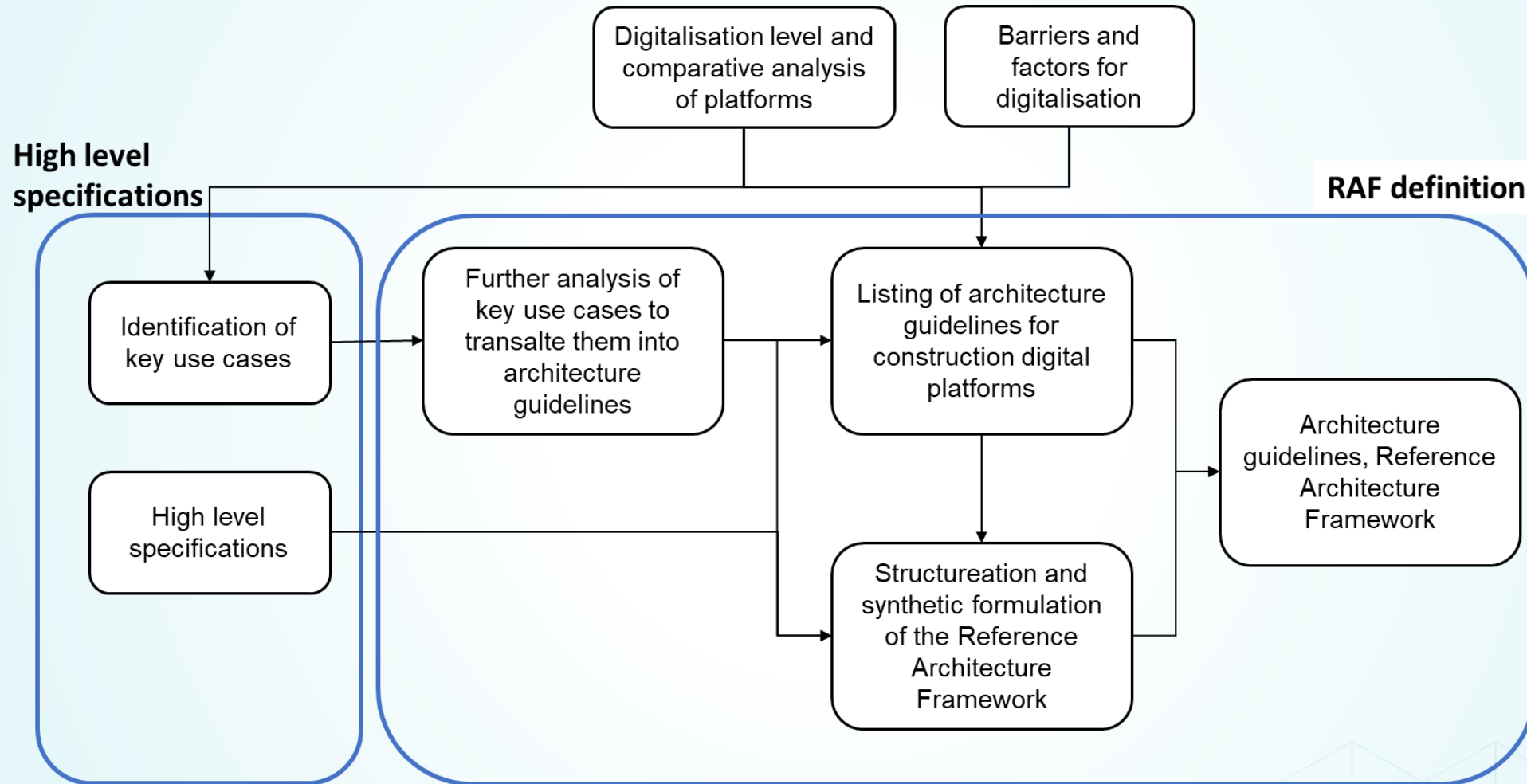
- *Digital technologies & tools implementation*
- *Ongoing initiatives & existing digital platforms*
- *Actual practices*
- *Barriers & gaps*
- *Comparison with other industrial sectors*
- ...



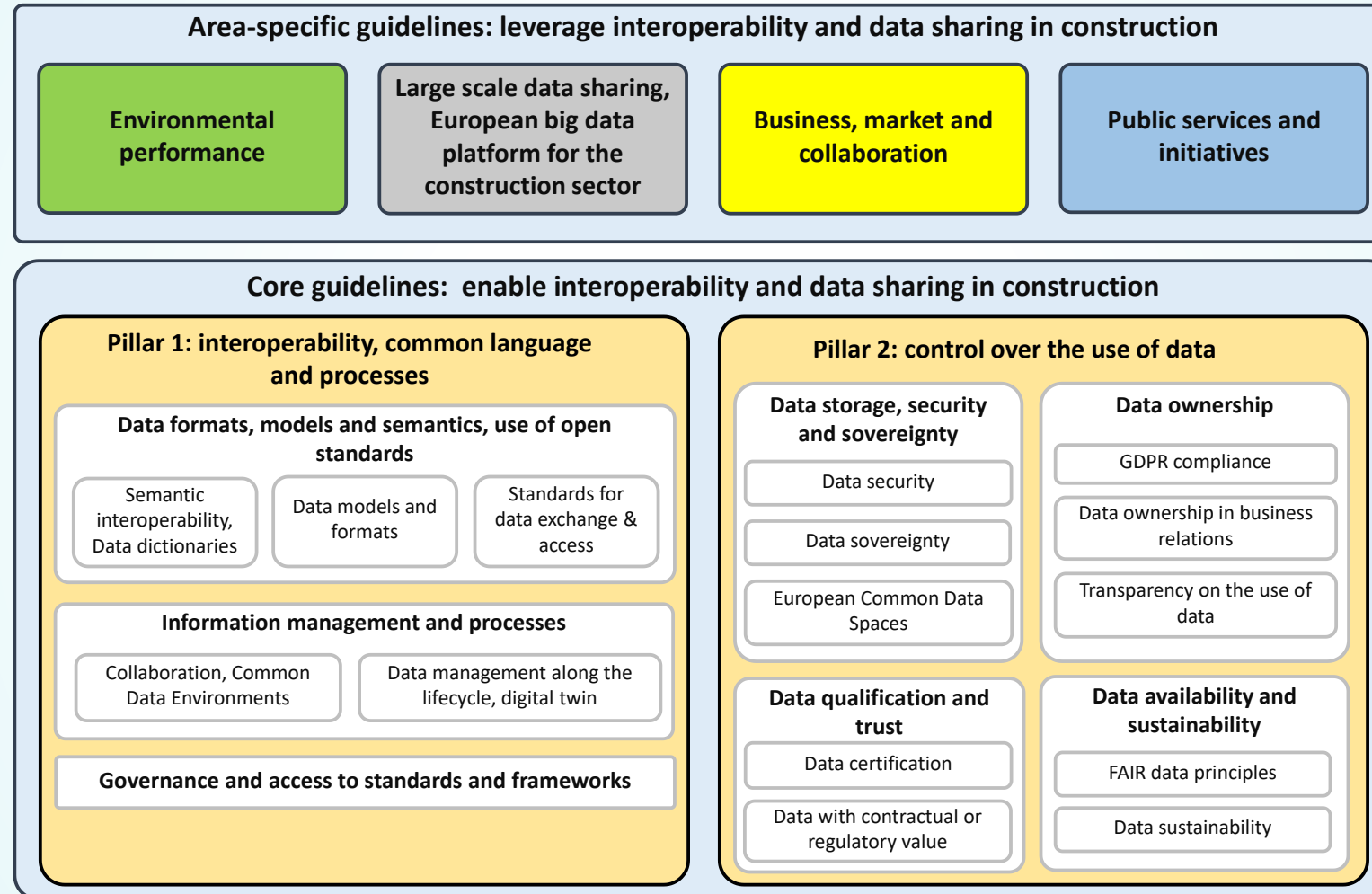
Success factors for the DigiPLACE RAF

TECHNICAL ASPECTS	
1	Interoperability and sustainability
2	Collaboration enabler
3	Single entry point
4	Capacity to connect several platforms both at regional and national levels
5	Integration of both public and private data
6	Easier circulation of / access to services and products
7	Maintenance of data
8	Maintenance and update of the services
9	Adequate backup of data
10	Be customizable
11	Be scalable and dynamic (provide an environment able to integrate new/existing tools)
12	Efficient and fast data management and data queries
DEMAND / REGULATORY ASPECTS	
13	Capacity to check compliance with regulations & certifications
14	Capacity to answer the demand/needs of every kind of stakeholder
15	Relying on the national level, by interconnecting with national platforms
ECONOMIC ASPECTS	
16	Identification of clear funding mechanisms / systems (analysis of the economic sustainability of the platform)
17	Identification of business cases for all stakeholders
18	Increase of the competitiveness for all the value chain
SECURITY ASPECTS	
19	Information and data security
20	GDPR compliance

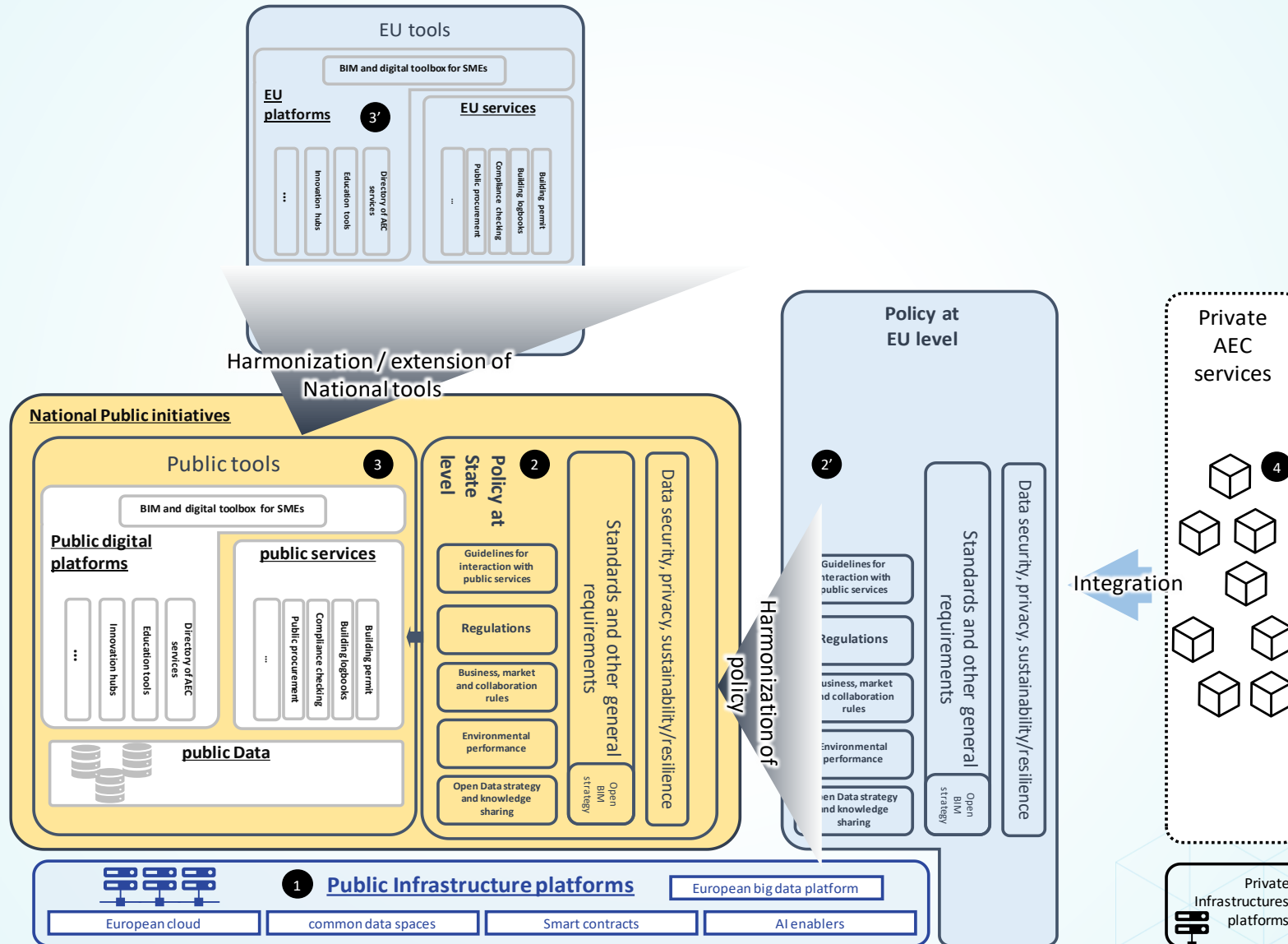
Research methodology



Reference Architecture Framework overview



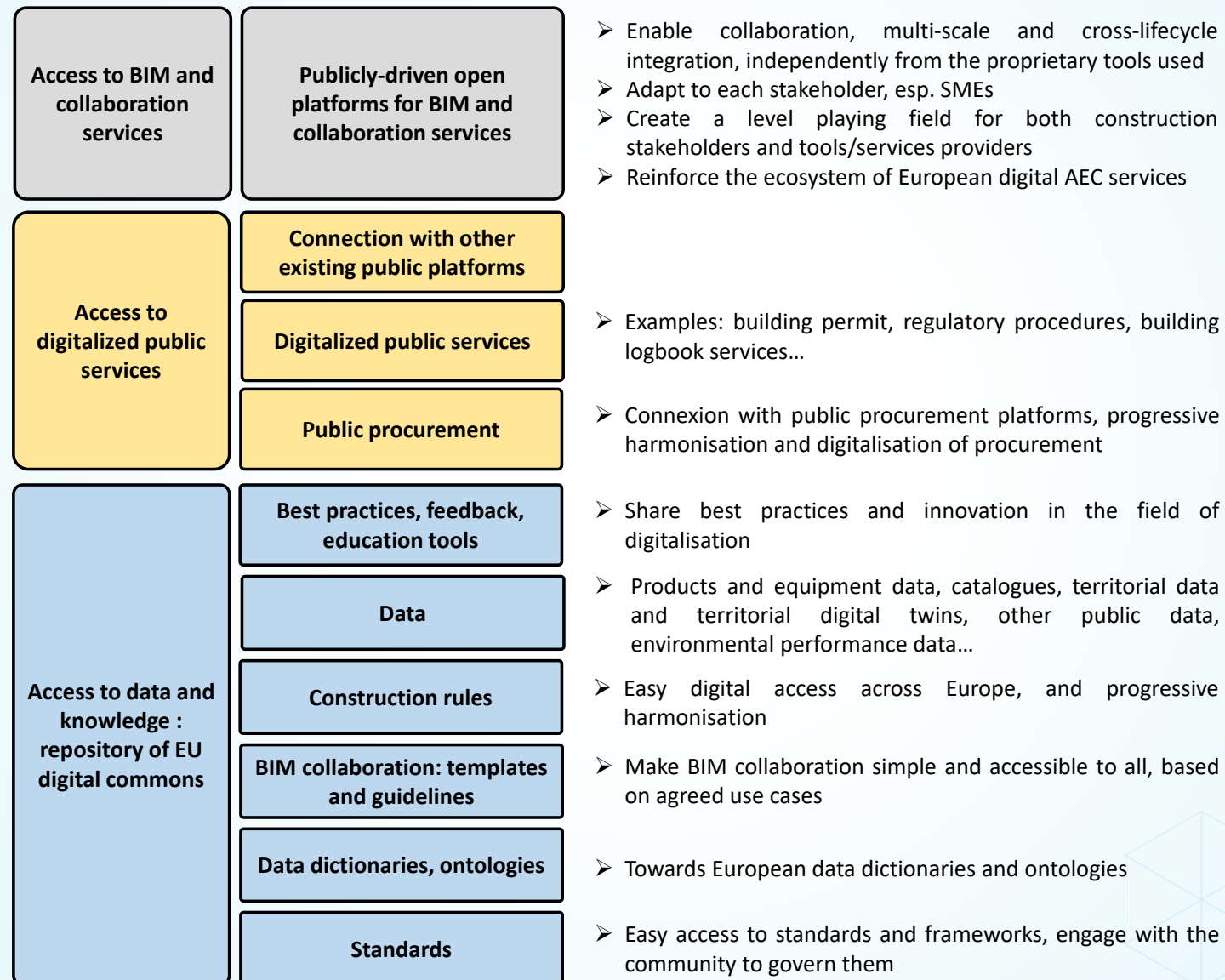
DigiPLACE RAF positioning



13/10/2021



Proposed perimeter of future public platforms



13/10/2021





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THANK YOU!



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