Integrating Capacities & Building Capabilities

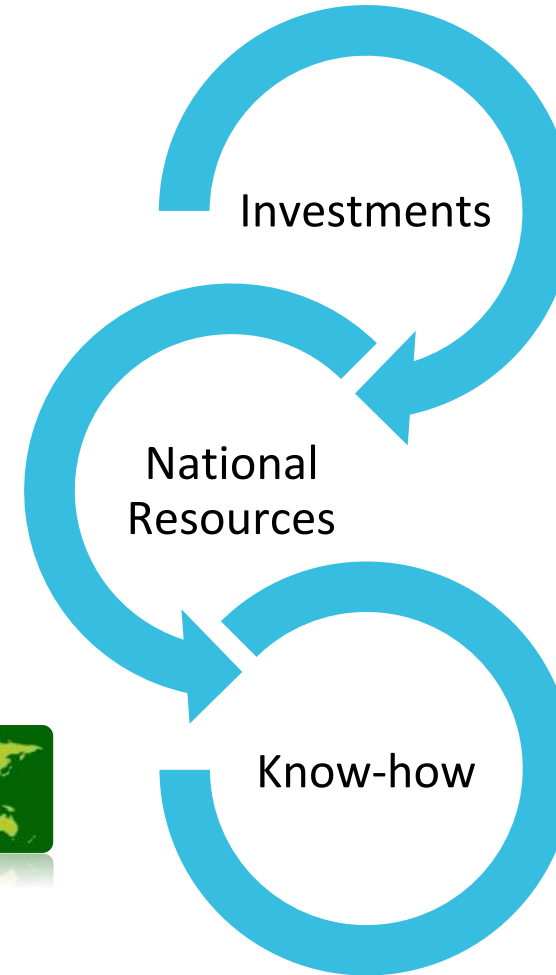Dr. Isabel Campos Plasencia,

Project Coordinator

Project Vission

Expand EOSC Capacity
and Capabilities by leveraging
<u>Investments and Existing
Know-How & Resources</u>

of National Digital infrastructures,
under the coordination of

Concrete Objectives

- Deployment of an **EOSC-enabled digital infrastructure with a critical mass**
- Designing a **rational strategy** to deploy **FAIR National Data Repositories**

- Definition of an **EOSC software quality baseline**
- Service Quality Assurance as a Service: **SQAaaS**
- **FAIRness** checking **"as a Service"**

CAPACITY EXPANSION

SKILLS DEVELOPMENT

FOSTERING SERVICE INTEGRATION

BUILDING CAPABILITIES
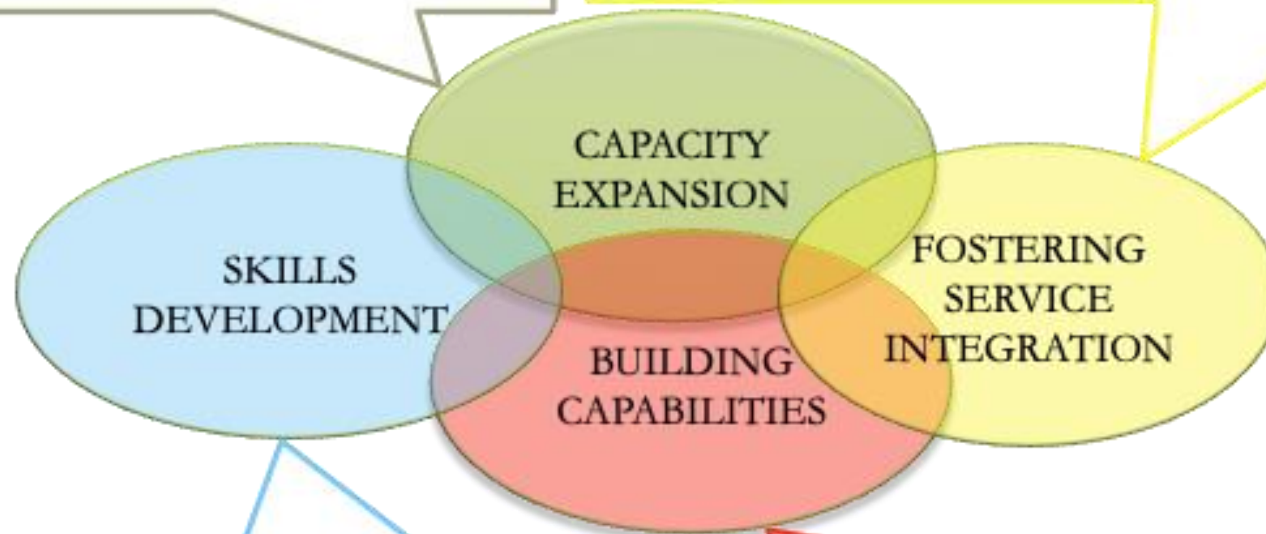
- Enable **auto-training** in EOSC
- Explore and **implement a MooC solution** following a **Marketplace approach**

- Integration of production-level **National Thematic Services in EOSC**
- Thematic service **certification based on SQAaaS.**

Consortium

Spain

Portugal

UK

Czech Republic

Germany

Slovakia

Poland

Netherlands

Contribution to the EOSC portfolio

Dedicated
+ [7-11] Thematic services

Shared
- + [8-12] FAIR Data Repositories
- National Cloud capacity

The Hub
- Training platform, training programme and materials
- Quality criteria and verification procedures, FAIR maturity assessment as a service

EOSC Added Value Services

SHARED RESOURCES

Federating & Enabling Services

COMPLIANCE FRAMEWORK
Interoperability & FAIR guidelines, SMS

Contribution to the EOSC Federating Core

Adoption of technical interoperability guidelines and access policies

Software Quality Assurance as a Service: QaaS
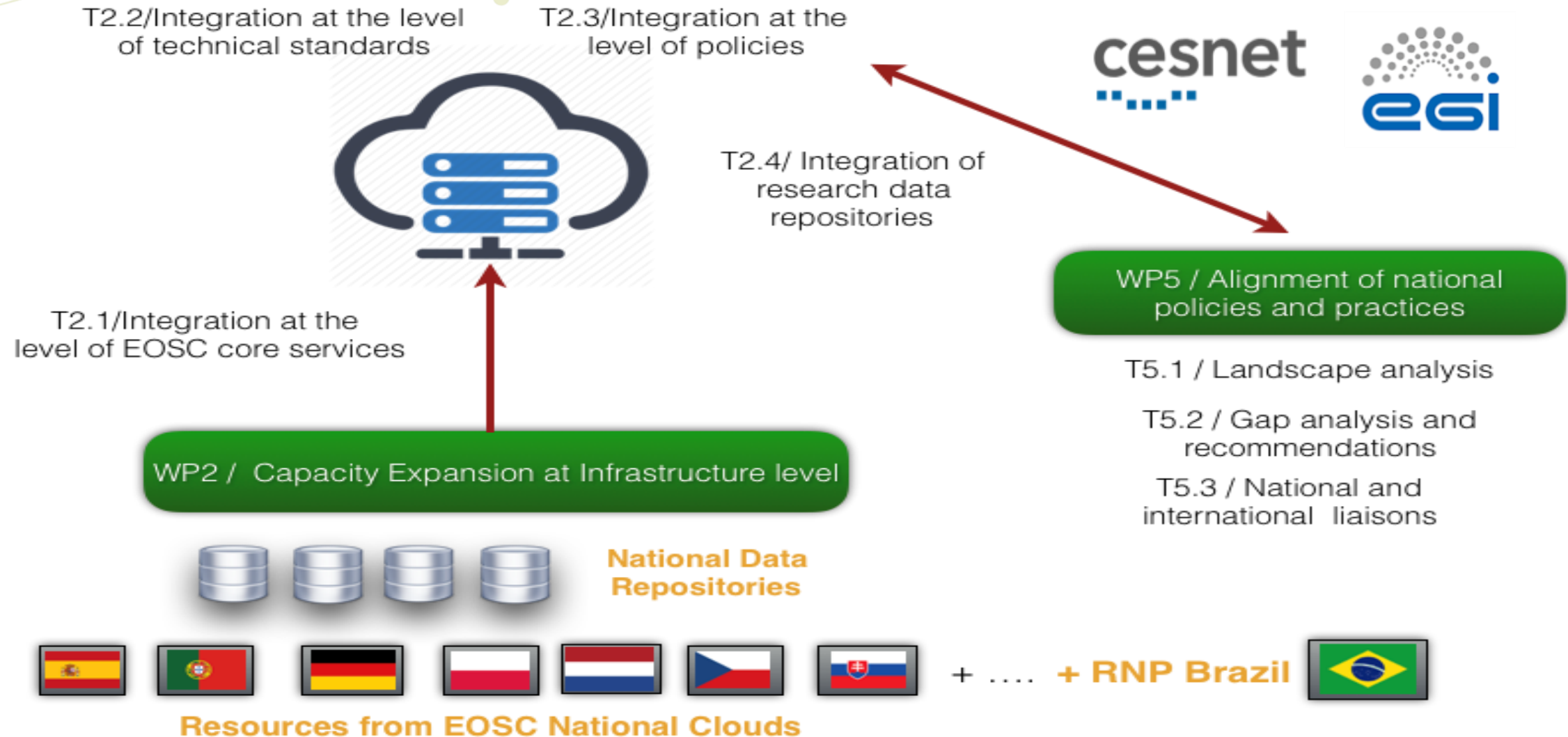FAIRness Check as a Service

Research Data Repositories

Cloud Computing for research data exploitation

Input to the federating core (Hub)

Training material & Infrastructure

Landscaping: inside Alignment at the Policy Level

T2.2/Integration at the level of technical standards

T2.3/Integration at the level of policies

T2.4/ Integration of research data repositories

T2.1/Integration at the level of EOSC core services

WP2 / Capacity Expansion at Infrastructure level

National Data Repositories

WP5 / Alignment of national policies and practices

T5.1 / Landscape analysis

T5.2 / Gap analysis and recommendations

T5.3 / National and international liaisons

+ …. + RNP Brazil

Resources from EOSC National Clouds

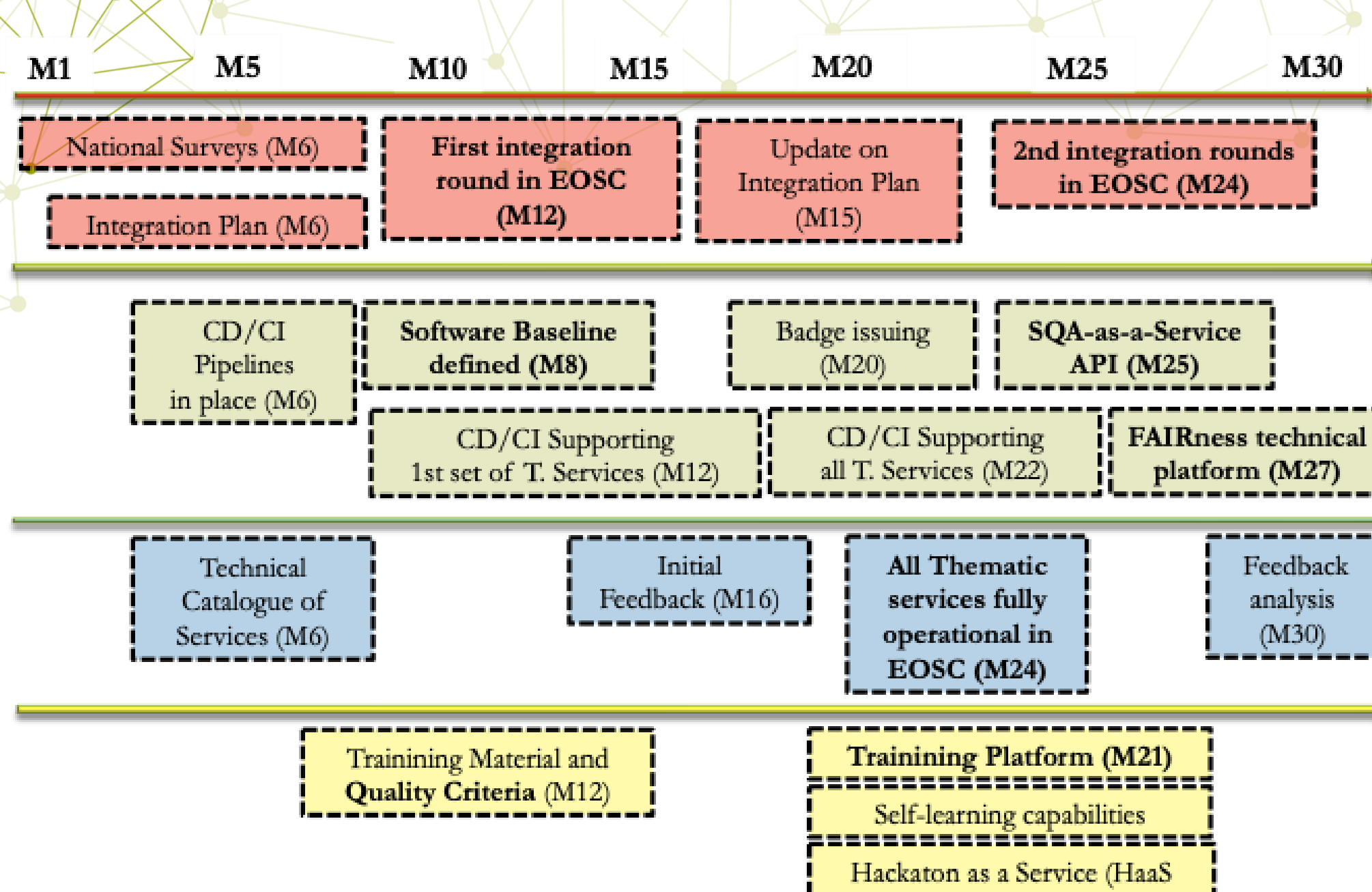# Policy spans technical and national networking activities in WP2 + WP5

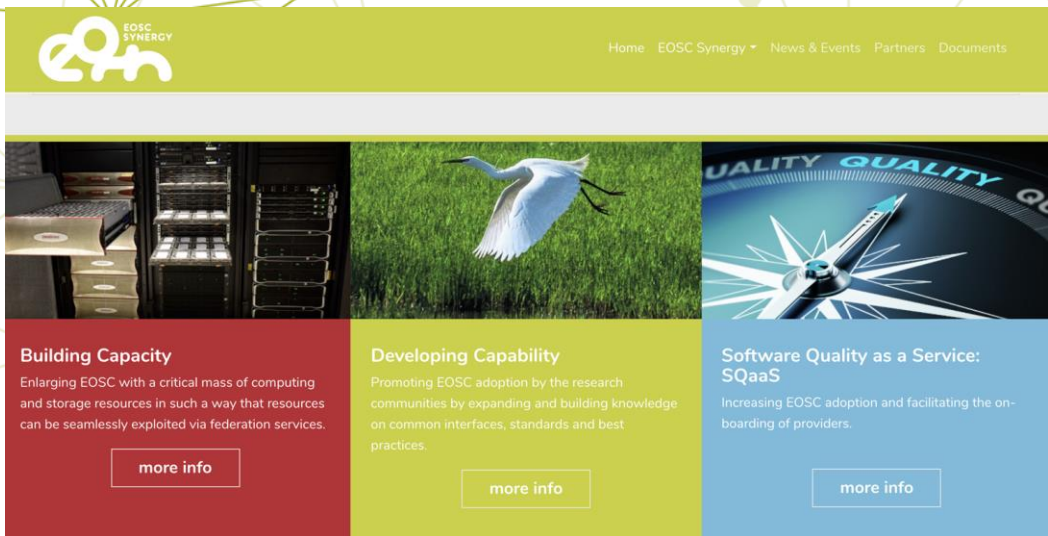**Ensure service Interoperability level through Open Standards**

Ensure integration with EOSC core services: AAI, Monitoring, Accounting, Marketplace,...

Ensure compliance level with policies on AAI & Security

Ensure integration of National Research Data in line with EOSC policies and best practices

M1　M5　M10　M15　M20　M25　M30

National Surveys (M6)

Integration Plan (M6)

First integration round in EOSC (M12)

Update on Integration Plan (M15)

2nd integration rounds in EOSC (M24)

CD/CI Pipelines in place (M6)

Software Baseline defined (M8)

Badge issuing (M20)

SQA-as-a-Service API (M25)

CD/CI Supporting 1st set of T. Services (M12)

CD/CI Supporting all T. Services (M22)

FAIRness technical platform (M27)

Technical Catalogue of Services (M6)

Initial Feedback (M16)

All Thematic services fully operational in EOSC (M24)

Feedback analysis (M30)

Training Material and Quality Criteria (M12)

Training Platform (M21)

Self-learning capabilities

Hackaton as a Service (HaaS

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THANKS ! Horizon 2020 Research and Innovation Programme