

Aggiornamenti EGI

Concezio Bozzi

INFN Ferrara

Camogli, 27 marzo 2025

Notizie dal Council EGI

- Due riunioni recenti, il 13 febbraio e il 13 marzo
 - Dominate dalla discussione sull'applicazione di EGI all'ESFRI Roadmap 2026
 - [NB: le attività relative alle call europee vengono presentate da Luciano]
 - Isabel Campos termina il secondo mandato come membro dell'EB
 - Eletto Philipp Wieder (Deputy Head - Gesellschaft für wissenschaftliche Datenverarbeitung mbH Göttingen)
- PS: EGI ha compiuto 15 anni di attività l'8 febbraio 2025



EGI application to ESFRI Roadmap



Important Dates until Submission

• **8 October 2024**

DONE

• Open call for Proposals – ESFRI Roadmap 2026

• **6 November 2024**

DONE

• EGI Council Decision on starting preparation of an ESFRI Application

• Initiation of negotiations with member states for political support/financial support letters

• **16 December 2024**

DONE

• Submission of national application to Netherlands for Political support as lead country

• **13 February 2025**

DONE

• EGI Council Discussion on draft ESFRI Application

• **7 March 2025**

DONE

• Design and Feasibility Study – full doc shared
• Expression of Political Support from NL as Lead Country received

• **13 March 2025**

• EGI Council Vote on application submission

• **20 March 2025**

• Closing of Vote

• **26 March 2025**

• Review of final application by EGI Task Force

• **8 April 2025**

• Deadline for submission

2025 | ESFRI Roadmap 2026 – EGI Application



Important Dates after Submission

• **December 2025**

• Critical questions & Invitation to hearings

• **Important: additional political and financial support letters can be still submitted after submission date**

• **February 2026**

• Hearings

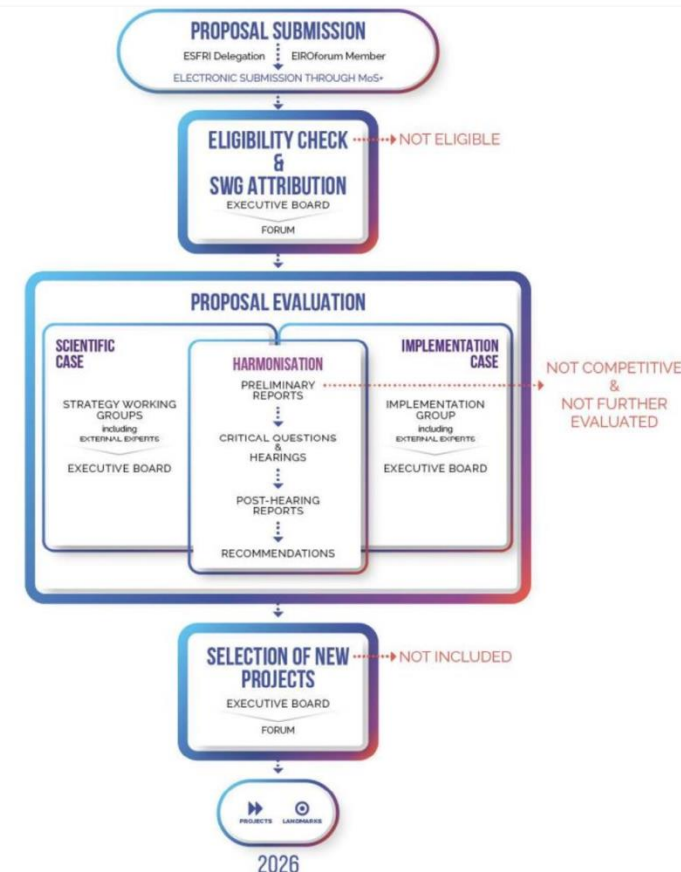
• **June–September 2026**

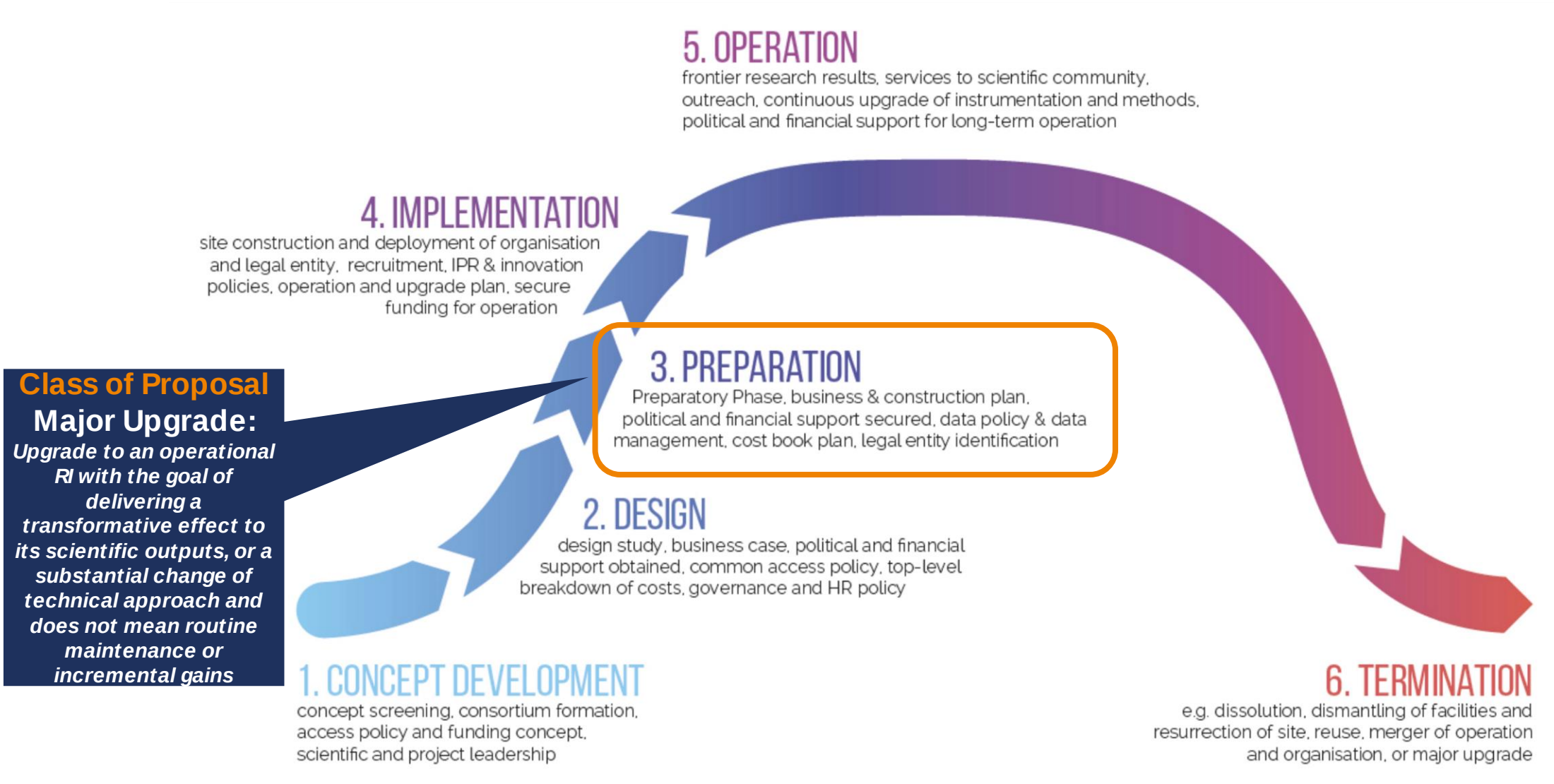
• ESFRI Forum Decision

• **December 2026**

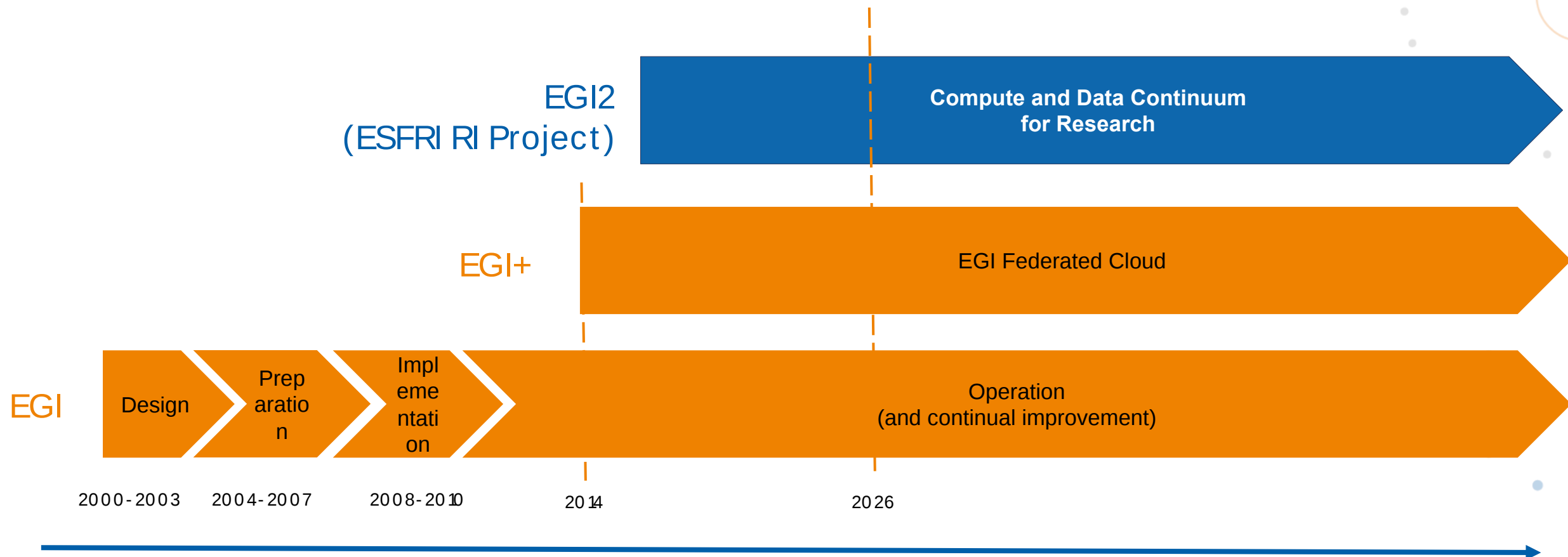
• ESFRI Roadmap Launch

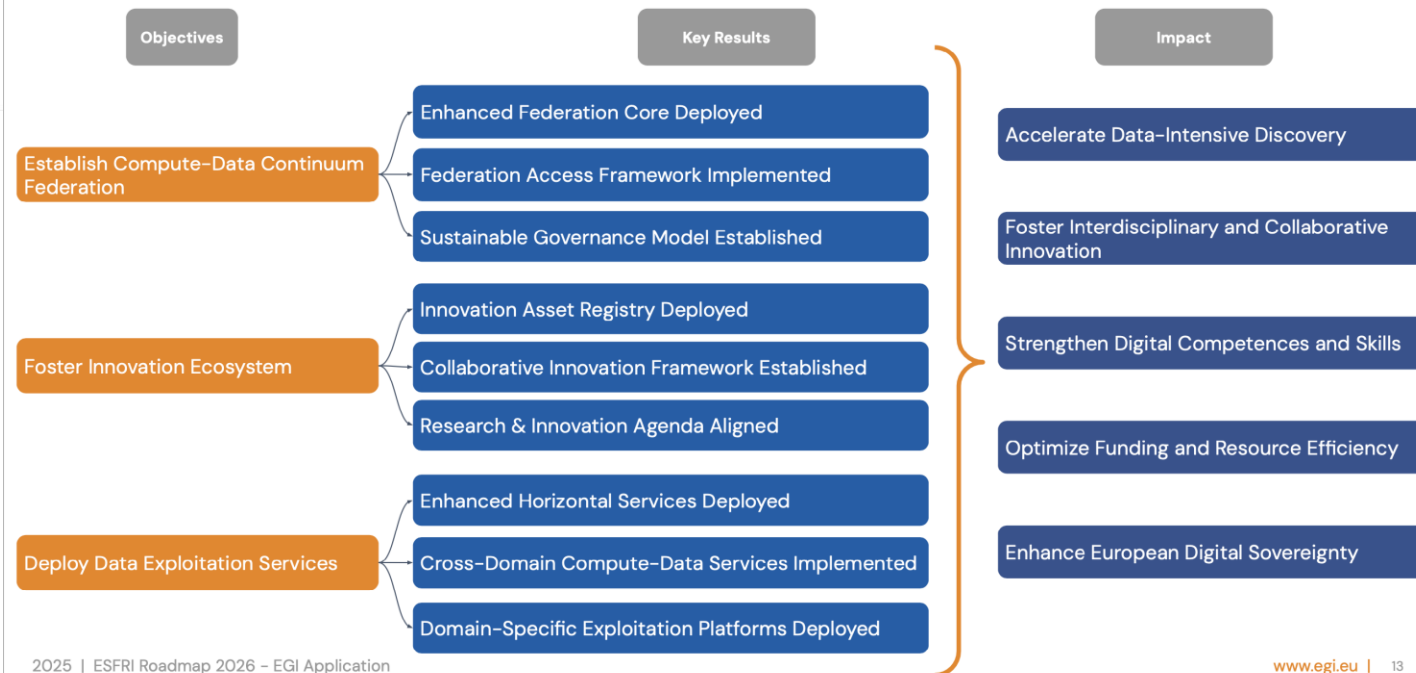
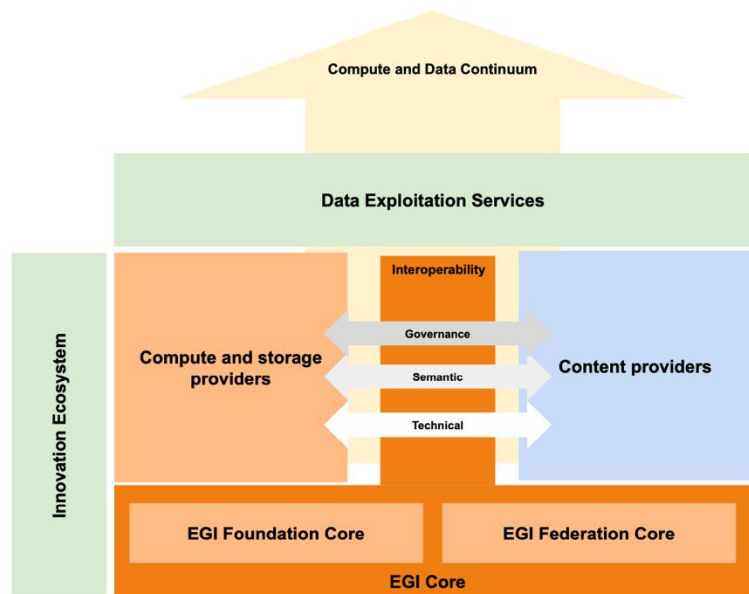
2025 | ESFRI Roadmap 2026 – EGI Application

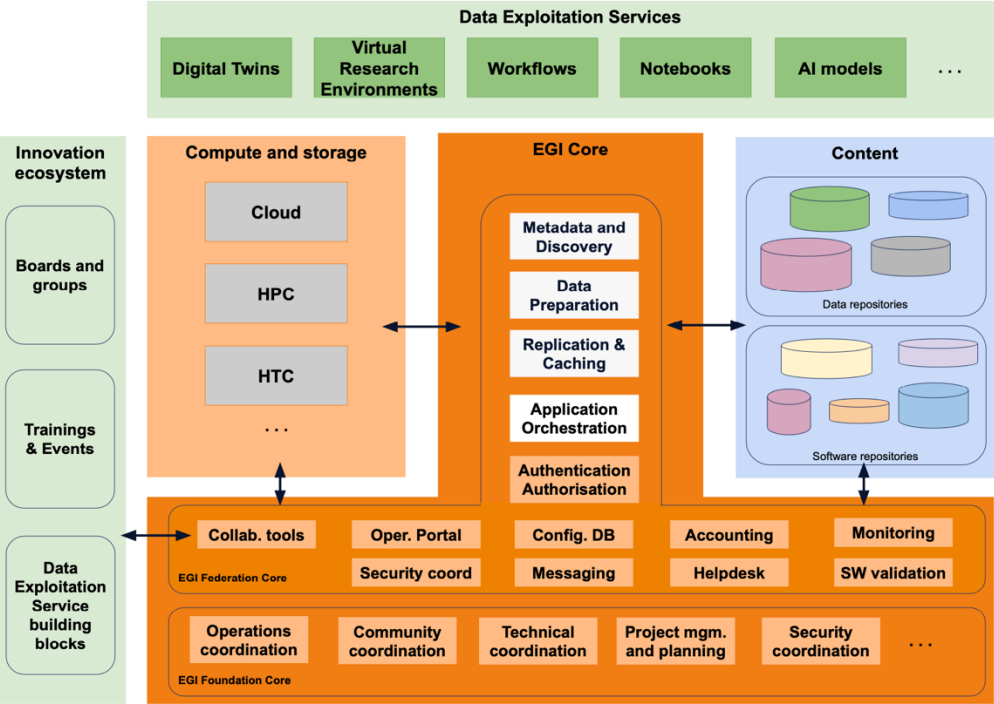




Consolidating a Second Major Upgrade of EGI







Gantt Diagram



- **The design study financial data is based on estimations**
 - Financials to be defined finalised later, during the preparation phase, if the application is accepted
- **Financial data includes**
 - **Part 1. A Cost book** – Only including the head node (**EGI Foundation**) and based on annual accounting data
 - Income and expenditure estimated according to EGI Foundation budget forecast 2025
 - **Part 2. Country and organization budgets** – define voluntary in-kind contributions to the EGI mission at national level, i.e.
 - Contributions to the **EGI Federation core**
 - Magnitude of **research activities** contributing to the EGI mission
 - Value of facilities **(Compute and Storage)** federated in EGI to support research communities in EGI scope

10-15MEUR / year

~75MEUR / year

300→1200 MEUR / year

1. Expression of Political Support (EOS) → minimum 3

ACHIEVED

- Provide proof of political support, i.e. Expression of political Support (EoS) **by the LEAD country and at least by two additional MS or AC** signed by the national ministries responsible for RIs – a Council resolution, in case of an EIROforum Member

2. Expression of Financial Commitment (EOC) → minimum 2

ACHIEVED

- Provide proof of financial commitment, i.e. Expression of financial Commitment (EoC) to financially contribute to the Preparation and Implementation Phases **by an authority from the LEAD country and at least by another additional MS or AC** – in case of an EIROforum Member the financial commitment should be explained in the Council resolution

3. Inter-institutional and multi-lateral agreement

Statutes + List of Participants in 2025 + Result of Today Vote

- Provide proof of an inter-institutional and multi-lateral agreement, e.g. a Memorandum of Understanding (MoU) signed by the core partners – being research institutions – formally involved in the consortium

Support letters from RIs and research collaborations are being gathered

Status of Expression of Political Support and Financial Commitment

	Awaiting Internal Decision	Negotiation with authority to be initiated	Negotiation with authority in progress	Authority agreed to sign letter	Signed letter received	Not possible at this stage	Total
Political Support (EOS)	1	2	4	6	7	3	23
	Italy	Portugal, Poland	Czech Republic, Belgium, Austria, Spain	Slovakia, UK, Slovenia, Greece, Turkey, Romania	Netherlands, North Macedonia, Lithuania, Bulgaria, Croatia, Hungary, Ukraine	France, Germany, CERN	
Financial Commitment (EOC)	2	2	8	1	2	8	23
	Italy, Romania	Greece, Poland	Czech Republic, Belgium, Bulgaria, Slovenia, Turkey, Spain, Hungary, UK	Slovakia	Netherlands, Lithuania	North Macedonia, Austria, Portugal, France, Croatia, Germany, CERN, Ukraine	

Voto del Council



Sergio Andreozzi via Council <council@mailman.egi.eu>

20 March 2025 at 18:12

[Council] Results of the Council Vote on the ESFRI Application submission

[Details](#)

To: EGI Council <council@mailman.egi.eu> & 1 more



This message is from a mailing list.

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Dear All,

Thank you for participating in the online vote related to the approval of the submission of an EGI application to the ESFRI Roadmap 2026. I'm pleased to announce that the proposal has been approved with the following result:

- Yes: 822,250 (60.85%)
- No: 103,500 (7.66%)
- Abstain: 425,500 (31.49%)

You can find more information including the report from the vote at the following page: <https://confluence.egi.eu/x/WYVTEg>

We will continue to work on improving the application which is expected to be submitted before April 8th.

If there are aspects that you find important to be improved, you are welcome to send a message to esfri@egi.eu. We'll share your concern and discuss also with the Council Task Force to find the best way to address them in the final application.

Thank you for your support.

Kind regards, Sergio

PS: related resources from the last Council meeting

- [Design and Feasibility Study Document](#) (PDF)
- [Recording](#) (MP4 format, 1 hour, 100 MB)
- [Slides](#) (PDF)
- [Minutes of Council meeting](#) (draft)

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Sergio Andreozzi | Head of Strategy, Innovation and Communications at EGI Foundation | SPECTRUM Project Director
www.egi.eu | +31 (0)6 30372823 | LinkedIn: www.linkedin.com/in/andreozi

Aggiornamenti ICDI

Concezio Bozzi

INFN Ferrara

Camogli, 27 marzo 2025

Aggiornamenti ICDI

- Partecipazione alla proposta ICSC per implementare un nodo EOSC in Italia
 - Dettagli in presentazione di Giacinto
- Rinnovo dell'MoU fino al 31/12/2025
 - In prospettiva, si pensa di “confluire” verso ICSC

Aggiornamenti Quantum

Concezio Bozzi

INFN Ferrara

Camogli, 27 marzo 2025

Procurement delle risorse

- Come noto, l'accordo con il CERN per utilizzare IBM Quantum Hub è terminato (quasi un anno fa...)
- Procurement di risorse tramite Spoke10 ICSC
- Acquisto diretto (inizio 2025) di risorse QuEra
- Nel frattempo, il CERN sta concludendo un nuovo ciclo di procurement di risorse
 - IBM (superconduttori)
 - Amazon Braket (superconduttori: IQM, Rigetti; ioni intrappolati: IonQ; atomi neutri: QuEra)
- ICSC sta negoziando accordo con il CERN
 - Basato su progetti scientifici in comune con scopi, obiettivi, deliverable, milestone, timeline
 - Work in progress...

The IBM logo, consisting of the letters "IBM" in a bold, sans-serif font, with horizontal stripes integrated into the letters.The IQM logo, featuring the letters "IQM" in a bold, sans-serif font, with the "Q" stylized to have a circular arrow around it.The Rigetti logo, featuring the word "rigetti" in a lowercase, blue, sans-serif font.The IONQ logo, featuring a stylized orange and grey hexagonal icon to the left of the word "IONQ" in a bold, sans-serif font.The QuEra logo, featuring the word "QuEra" in a bold, sans-serif font, with the "Q" and "E" stylized to have a dotted pattern, and a right-pointing arrow at the end.

Progetto Forest



- Implementazione di una rete europea per la distribuzione di segnali in tempo e frequenza ad alta precisione
 - Basata su estensione di infrastrutture esistenti
 - Per l'Italia, un backbone di una coppia di fibre To-Mi-Fi-Na-Mt
 - Per l'Italia, coordinamento INRIM e partecipazione di INRIM, GARR, INAF, ASI, INGV, CNR, PoliTo, PoliMi, L'Aquila, Roma Sapienza, Trieste, Napoli, Pisa, Salerno
- Potenziali applicazioni per e.g. sensoristica sismica su grande area, radio astronomia, comunicazione quantistica
- Approvata la sottoscrizione dell'MoU (delibera GE 14255)
- Infrastruttura di ricerca candidata per la roadmap 2026 di ESFRI

Strategia italiana per le tecnologie quantistiche

- Documento redatto da un gruppo di lavoro interministeriale (MUR, MIMIT), coordinato da Tommaso Calarco
 - Analisi del contesto italiano e del posizionamento dell'Italia a livello internazionale
 - Proposte linee di azione future
 - Direzioni di sviluppo scientifico in: scienza quantistica di base, calcolo quantistico, simulazione quantistica, comunicazione quantistica, metrologia e sensistica quantistica, metrologia e sensoristica quantistica, tecnologie abilitanti
 - Raccomandazioni strategiche in ricerca, trasferimento tecnologico, istruzione e formazione della forza lavoro, standardizzazione e benchmarking, comunicazione e sensibilizzazione, industria
 - Governance e sviluppi legislativi

Strategia italiana per le tecnologie quantistiche

- Documento redatto da un gruppo di lavoro interministeriale (MUR, MIMIT), coordinato da Tommaso Calarco
- Consultazione pubblica dal 26 febbraio al 14 marzo
- Inviato feedback (tramite O. Adriani)
 - Sensoristica per scienza di base un po' tralasciata
 - Testo talvolta inconsistente
 - Suggerito di facilitare l'accesso via cloud alle risorse quantistiche già esistenti
- Manca envelope finanziario!
- Non chiara la governance

Verso un progetto INFN-Q

- Gruppo di lavoro:
 - CB, Valter Bonvicini (TS), Elisa Ercolessi (BO), Simone Montangero (PD), Andrea Giachero (MIB), Stefano Giagu (RM1), Daniele Bonacorsi (BO), Claudio Gatti (LNF), Francesco Pederiva (TN), Gianpaolo Carlino (NA), Luca Dell'Agnello (CNAF), Fulvio Piccinini (PV), Giuseppe Degrassi (RM2), Alberto Quaranta (TN)
- Documento in corso di scrittura
 - Contesto internazionale
 - Stato delle attività INFN
 - Raccomandazioni su diversi assi d'azione
 - Creare una comunità collaborativa
 - Rinforzare le attività su software (algoritmi e simulazione), middleware e hardware
 - Formazione e supporto (hackathon, corsi, workshop), e.g. AI_INFNO
 - Fornire accesso efficiente via cloud alle risorse hardware esistenti e agli emulatori
 - Intercettare fondi esterni (regionali, nazionali, europei)
 - Riconoscimento delle carriere quantum a tutti i livelli

Verso un progetto INFN-Q

