

Project BestphoRM21



AEIT-CORIFI
Coordinamento Ricerca
Innovazione Fotonica
Italia



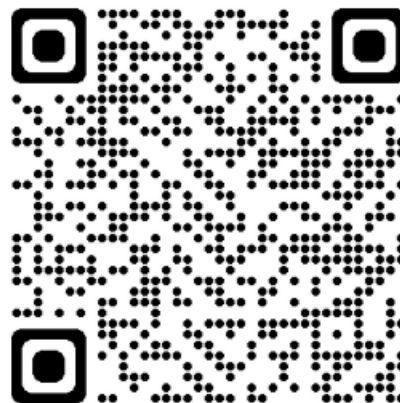
PHOTONICS²¹

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Secure European world leadership and technological sovereignty in photonics



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“ Photonics is simply essential for powering the future European digital economy. ”

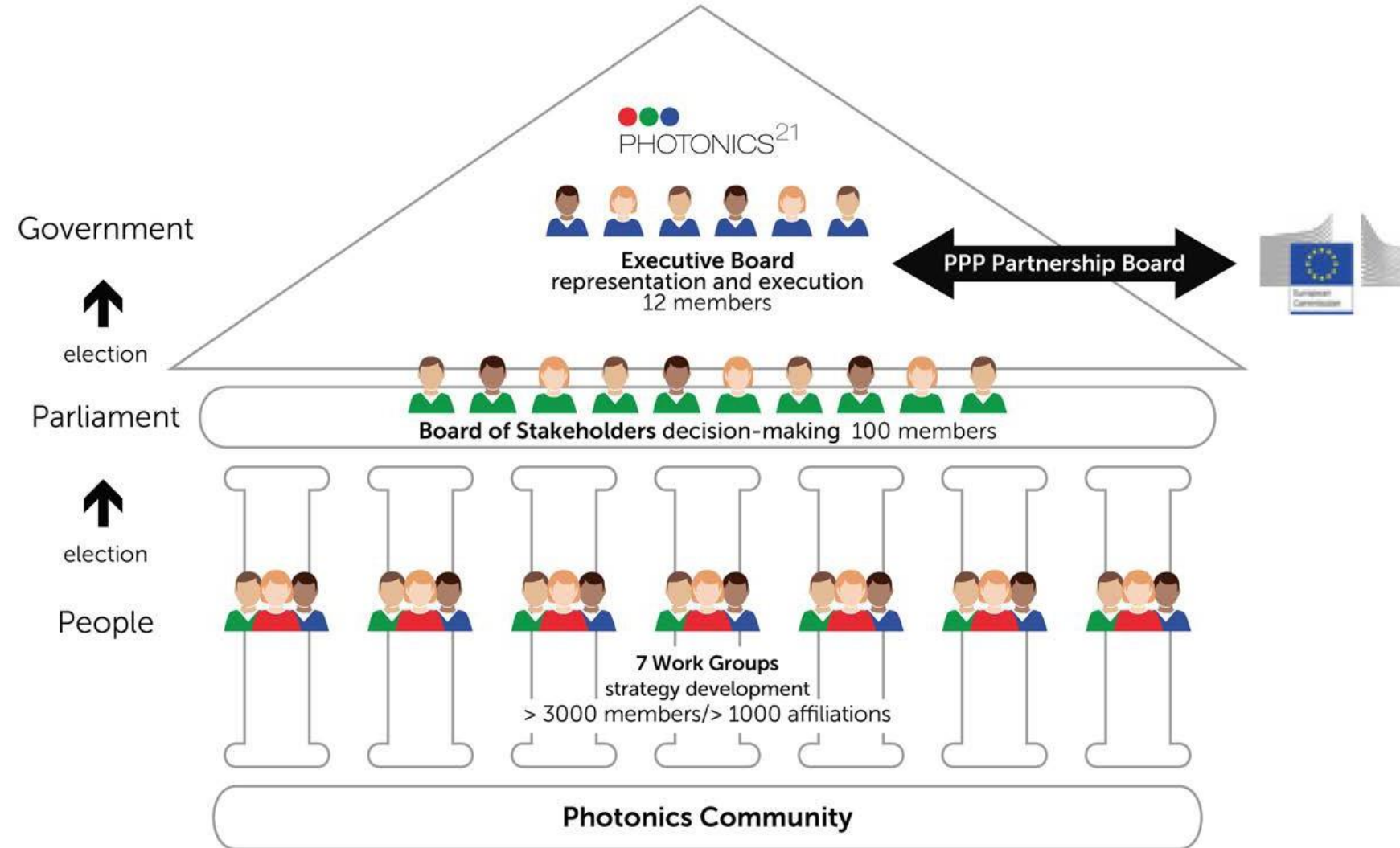
Nobel Prize Laureates,
Gérard Mourou, Stefan Hell
and Theodor Hänsch

<https://www.photonics21.org>

Photonics4CulturalHeritage, Dec 1st 2023 Castello Sforzesco Milano, Italy



Organization



Work Group Topics:

WG1: Digital Infrastructure

WG2: Manufacturing

WG3: Health

WG4: Climate, Mobility & Energy

WG5: Safety, Security, Space & Defense

WG6: Agriculture & Food

WG7: Core Photonics

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Call topics and Horizon Europe funding



A Flavour of Photonics Call Topics (2023-2024)

(Roughly 150Mio€)

- Pervasive photonics - multi-technology integration for digital infrastructure, sensors and internet of things (RIA)
- Advanced imaging and sensing technologies (IA)
- Versatile light sources and systems as tools for manufacturing and medical application (RIA)
- Smart photonics for joint communication & sensing and access everywhere (RIA)
- Photonics Innovation Factory for Europe (IA)
- Photonic Strategies and Skills Development (CSA)
- Advanced Photonics for Health Care (IA)
- Green and efficient lighting for future mobility (IA)

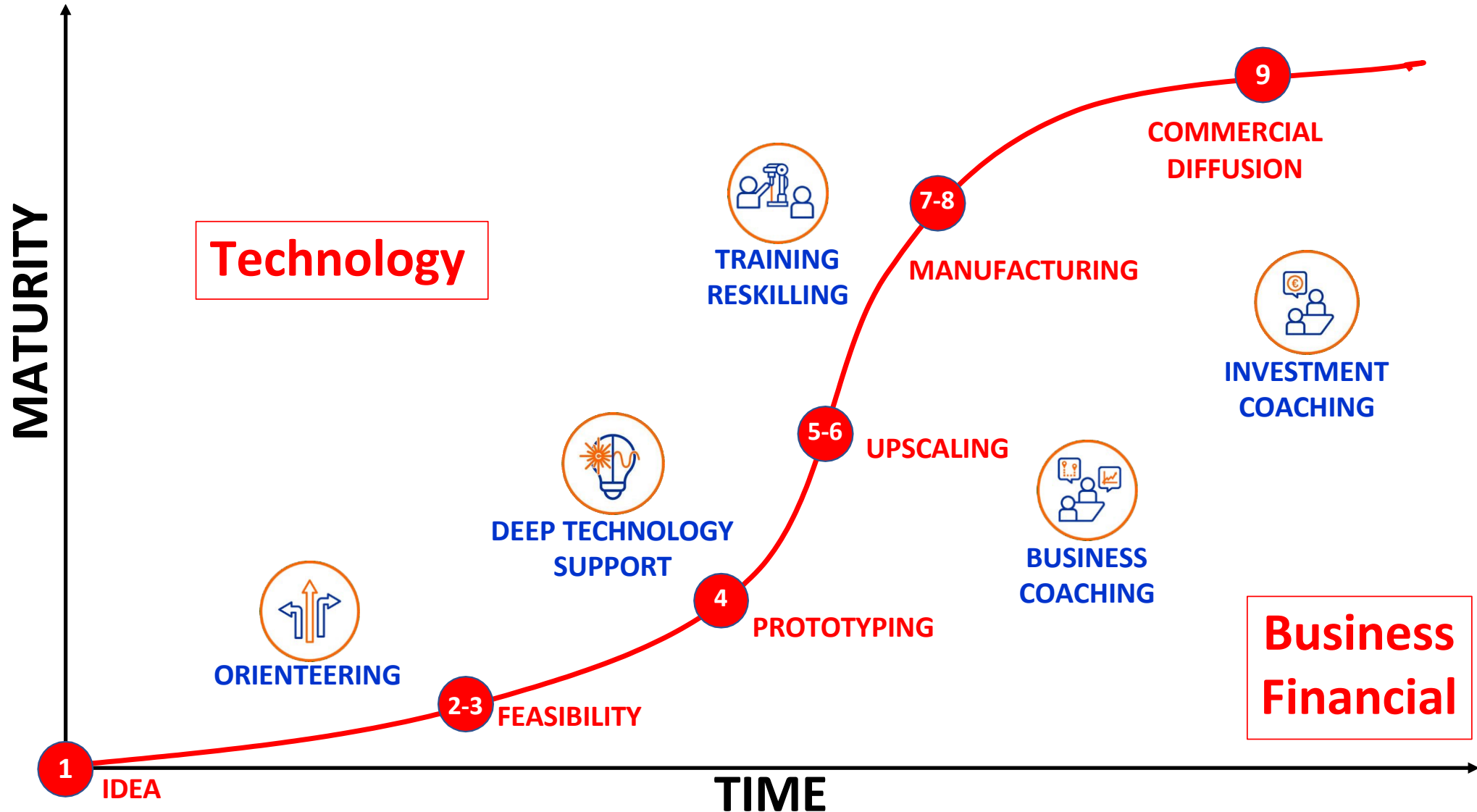




PhotonHub Europe[®]

PHOTONICS INNOVATION HUB FOR EUROPE

To successfully innovate with photonics SMEs need support along the entire innovation "valley of death"





A Pan-European One-Stop-Shop Photonics Innovation Hub

PhotonHub Support Activities



Orienteering



Training
& Reskilling



Deep
Innovation
Support
TRL 3-8



Business
Coaching



Investment
Coaching



Regional
Support





**PhotonHub
Europe®**

PHOTONICS INNOVATION HUB
FOR EUROPE



register your interest

orienteeing

Deep Technology Support

Business and Financial Coaching

**Budget: 19 M EUR
Start: 1 Jan 2021**

Training



intro to photonics

training catalogue

demo centers

**hands-on
experience**

trainers



**first level technology
and business coaching**

**deep technology
support TRLs 3-8**

impact



**investment readiness
coaching**

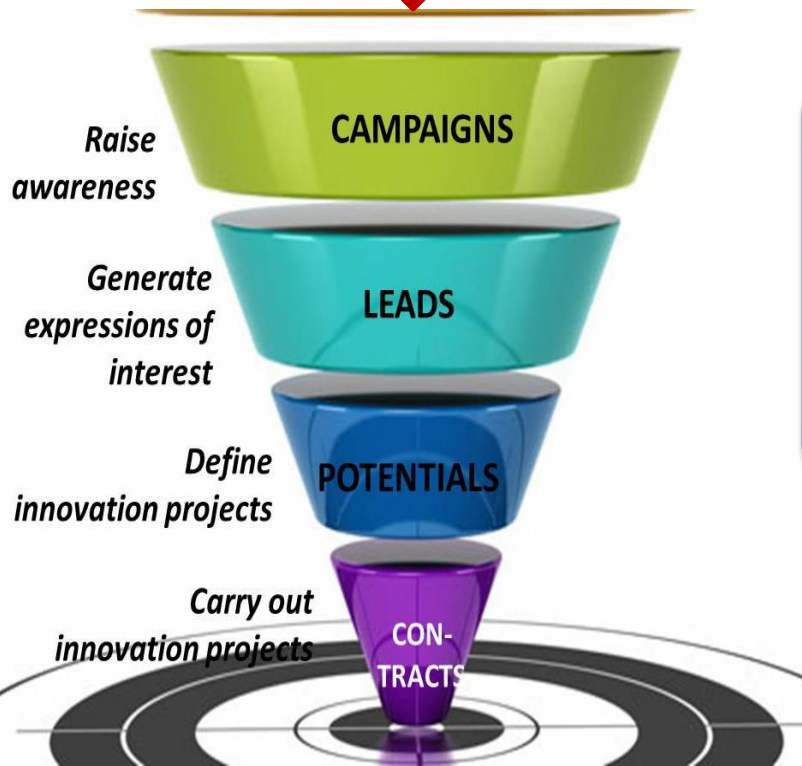
**matchmaking
support**

**photonics
venture forum**

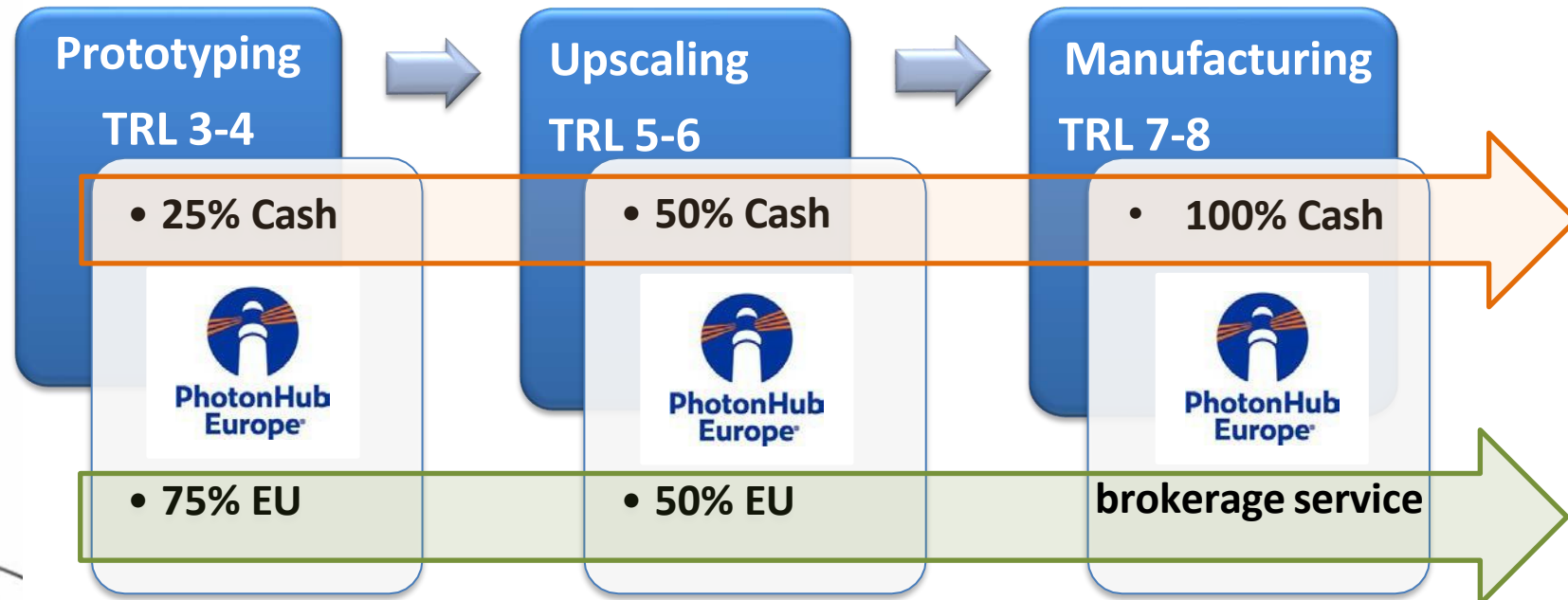
**investor
days**

**IP
support**

Focus on Deep Innovation Support to European Companies SMEs and LSC, from TRL 3 to TRL 8



**Projects are subsidized
only when Cross-Border**



PhotonHub Europe Key Principles

- ✓ Support European SMEs with photonics innovation **driven by their business needs**
- ✓ Local support where possible, **local innovation projects funded by local means**
- ✓ Cross-border support where needed, **cross-border projects funded by PhotonHub**
- ✓ Access to pilot-line facilities for first-time users funded through **cascading funds**
- ✓ Team up and co-fund as much as possible with existing programs: **EEN brokerage events, Innovation Days, Trainings, Venture Capital Forums**



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Europe®**

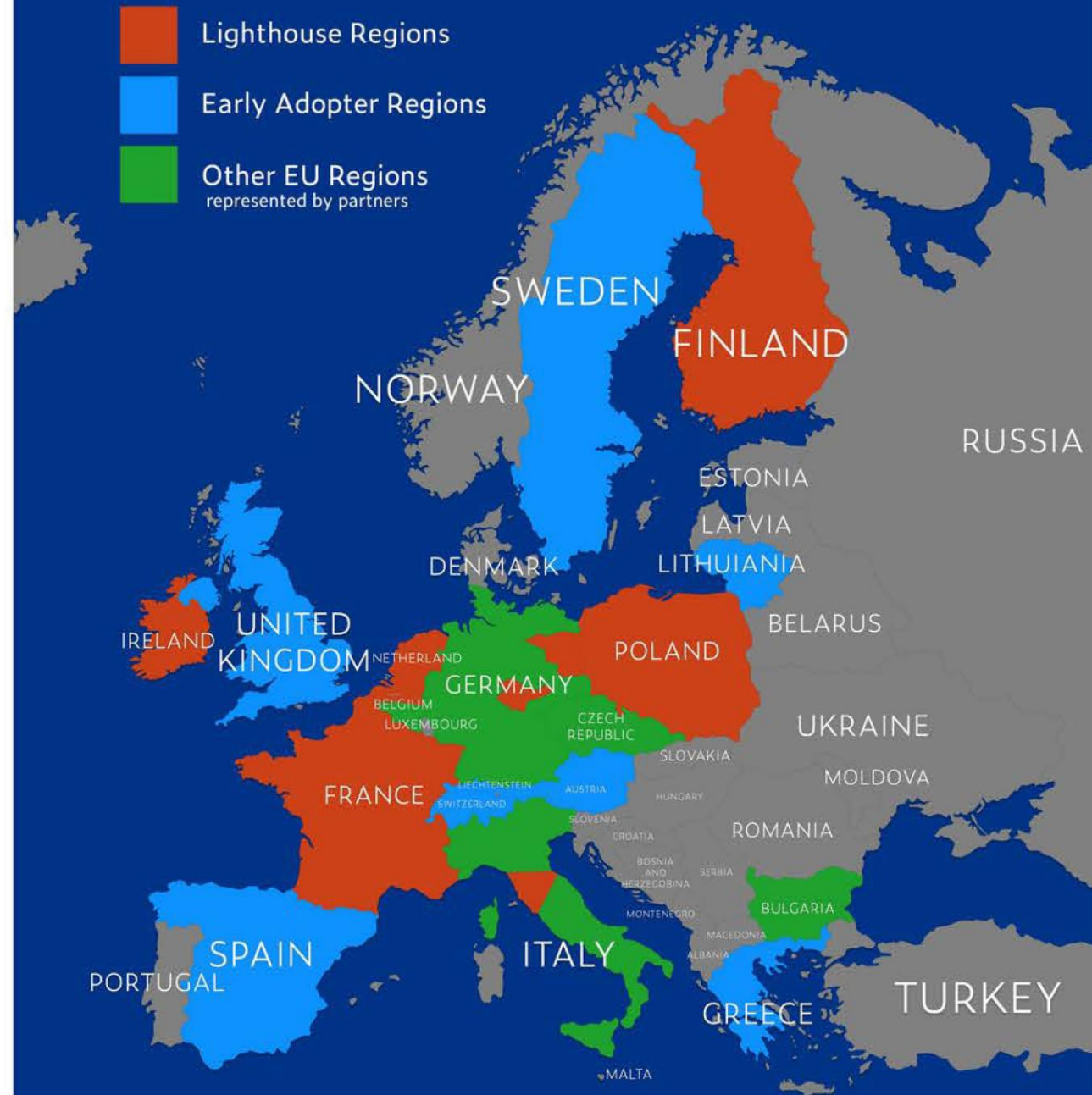
500+ EXPERTS

15 MEMBER STATES

36 Technology Support Partners

20 Local Photonics Hub Partners

+6 Business Support Partners





**PhotonHub
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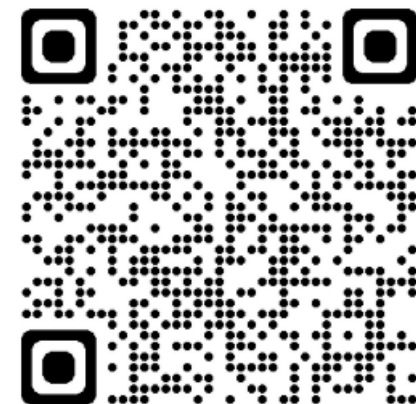
Join the community



PHOTONICS PUBLIC PRIVATE PARTNERSHIP

 **PHOTONICS²¹**

PHOTONHUB.EU





Photonics 4 Cultural Heritage

Castello Sforzesco Milano, Italy |
1st December 2023

Photonics Technologies meet
Cultural Heritage & Arts

- » End-Users Workshop
- » Recovery, study, digitization and more...
- » Enlighting Arts



PHOTONICS PUBLIC PRIVATE PARTNERSHIP

PHOTONICS²¹

LE TECNOLOGIE FOTONICHE al servizio del settore dei beni culturali *Photonics Empowering Cultural Heritage*

organized by



ABT-CORR
Coordinamento Ricerca
Innovazione Fotonica
Italia



under the patronage of



Comune di
Milano

ICOM
International
Council
of Museums
Italy

in collaboration with

