



# PhotonHub Europe<sup>®</sup>

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## PHOTONICS INNOVATION HUB FOR EUROPE



 PHOTONICS<sup>21</sup>

PHOTONICS PUBLIC PRIVATE PARTNERSHIP

# Help SMEs take up photonic technologies

- PhotonHub is THE Digital Innovation Hub for the field of Photonics in Europe
- Largest Photonics EU project ever! 19 M€ grant
- European Commission's aim: spread photonic technologies in innovative SMEs' products
- Comprehensive support to SMEs
- 4 Swiss partners:
  - EPFL (and Swissphotonics as Third Party)
  - CSEM
  - Ligentec



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[www.photonhub.eu](http://www.photonhub.eu)



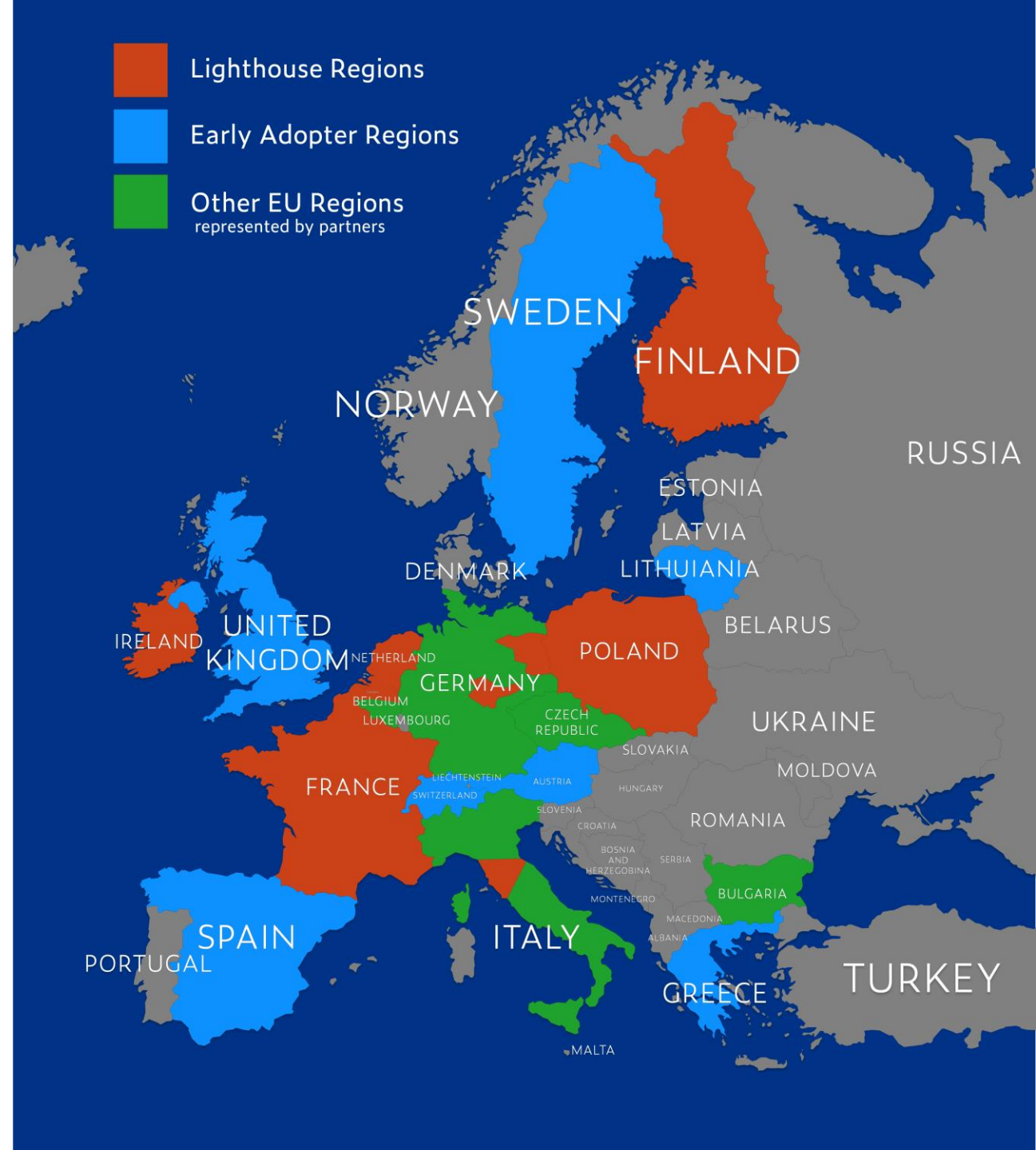


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**500+ EXPERTS**

**15 MEMBER STATES**

**36 Technology Support Partners**  
**20 Local Photonics Hub Partners**  
**+6 Business Support Partners**





# Photonics A key digital technology



Optical Telecom



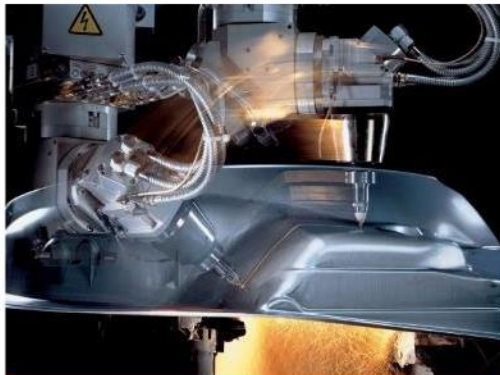
Photovoltaics



LED Lighting



Displays



Lasers in Manufacturing



Medical Optics

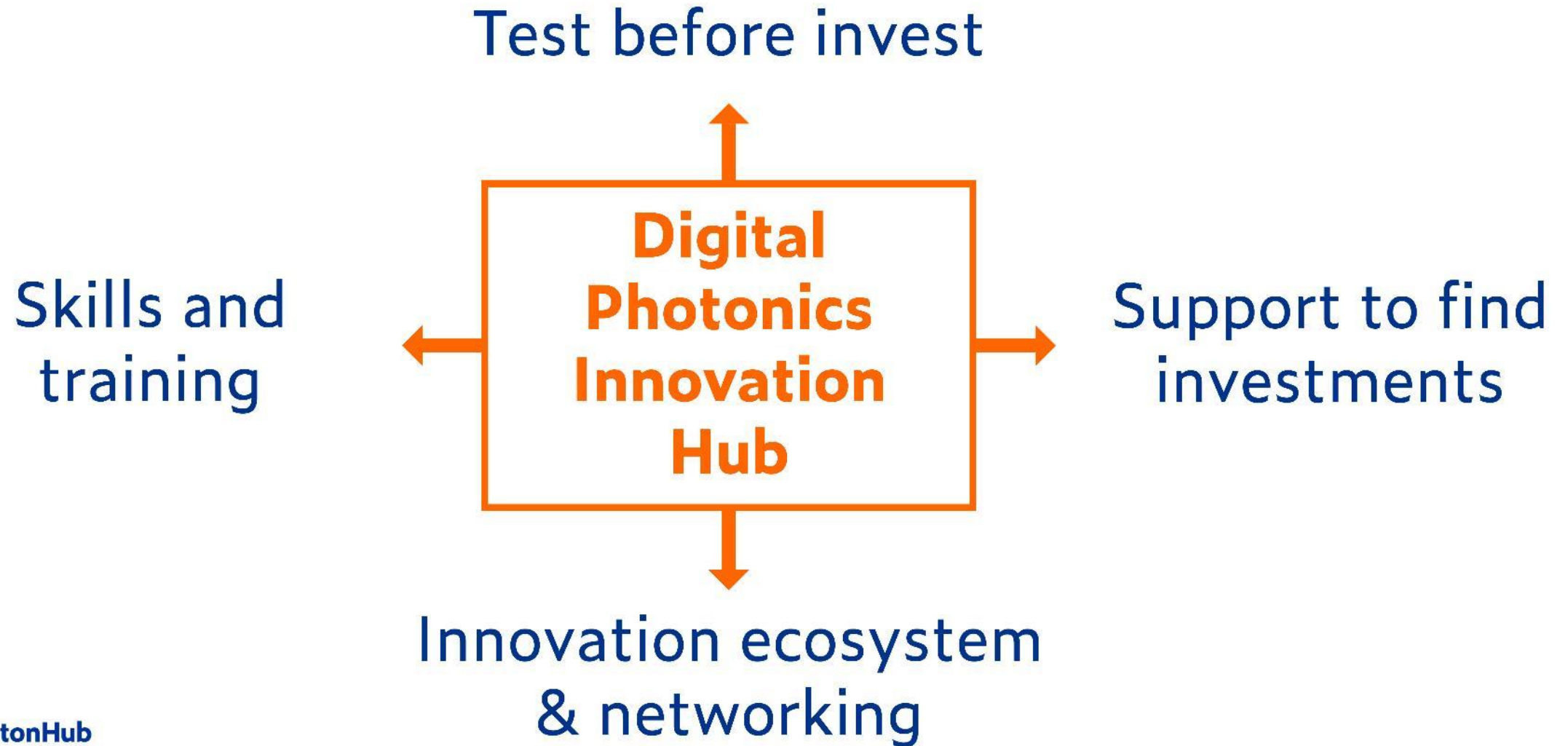


Machine Vision



Optical Components

# Single One-Stop-Shop





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

## PhotonHub Support Activities



Orienteering



Training  
& Reskilling



Deep  
Innovation  
Support

TRL3-8



Business  
Coaching



Investment  
Coaching



Regional  
Support



- You can meet us
  - At Industry Exhibitions
  - At Industry Brokerage events
- You can contact our one-stop-shop Front Office Gateway in Brussels

PhotonHub Support Activities

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# ORIENTEERING



- We offer General Introduction to Photonics for SMEs, First users and Early Adopters
- We provide an online Catalogue of Existing Training Offerings
- We welcome you at our Demo Centres and Experience Centres
- We offer Train-the Trainers Programmes for Professional and Vocational Training Centres

PhotonHub Support Activities

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# TRAINING & RESKILLING







INTRODUCTORY ONLINE COURSE

# Light-Based manufacturing

With Profs. Christophe Moser  
and Yves Bellouard

Training date

**07/12/22**

(09:00 – 11.30 CET)

**Register now**

[photonhub.eu/trainings-list](https://photonhub.eu/trainings-list)

Organized by

**EPFL**



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**We provide Accelerating Technology Innovation Support for companies from Prototyping to Upscaling and Manufacturing**

- **Prototyping through Innovation Projects TRL3-4**
- **Upscaling involving EU Pilot-Line Facilities TRL5-6**
- **Manufacturing in Europe TRL7-8 through Brokerage**

PhotonHub Support Activities

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**DEEP INNOVATION  
SUPPORT**





# Deep Innovation Support

Project Level	Anticipated Average Innovation Project Budget	PhotonHub Subsidy	Max. Subsidy	No. of projects permissible
Prototyping (TRL3-4)	40k€	<p><b>For SMEs:</b> 100% of the first 30K€; thereafter (incl. follow-on projects) 75% subsidy with the company contributing 25% in-cash</p> <p><b>For LSCs:</b> 50% subsidy on all costs</p>	100K€ per innovation project	Max. of 1 follow-on project per company at the prototyping level
Upscaling (TRL5-6)	161K€	<p><b>For SMEs:</b> 50% subsidy for first users &amp; early adopters <u>at this level</u>, with the companies contributing 50% in-cash; 0% subsidy if the company is not a first user or early adopter</p> <p><b>For LSCs:</b> 0% subsidy on all costs</p>	250K€ per innovation project, of which of which cascade funding can be provided up to a maximum of 150K€	Max. of 1 follow-on project per company at the upscaling level
Manufacturing (TRL7-8)	2K€	100% subsidy for all companies	2K€	1 subsidised engagement only



- **First-Level Investment-Readiness Coaching for Companies Deploying Photonics Technologies**
- **Intensive Investor Pitching and Matchmaking Support for High-Potential Start-Ups and Scale Ups**
- **“European Photonics Venture Forum” for photonics start-ups and scale-ups**
- **“Investor Days” for photonics-enabled start-ups and scale-ups**

PhotonHub Support Activities

# **INVESTMENT & BUSINESS COACHING**



- We Create New Local Photonics Innovation Hubs Covering Most Regions of Europe
- We Connect the PhotonHub Network with complementary DIHs



PhotonHub Support Activities

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# REGIONAL SUPPORT



# 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**



## Some (EPFL) thoughts:



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- ( - ) Low-level of funding
- ( - ) Complexity and centralisation in Brussels
- ( + ) Visibility and integration of Swiss actors in the European collaboration
- ( + ) Emulation from lighthouse regions (of national and regional supports)
- ( + ) Interesting concepts could be re-used at the Swiss dimension
- ( + ) Helps EPFL to profile its photonics activities and resources (jointly)



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**Join the community**



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