



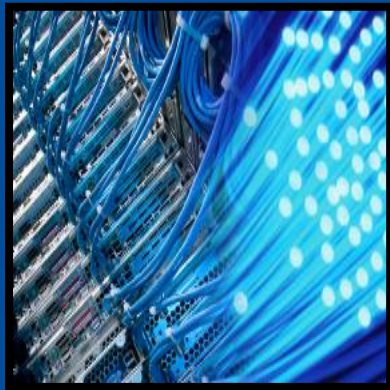
PhotonHub 4 Defence

Some EU funding for defence innovation

Maciej J. Nowakowski | Director of Operations, PPTF
Photonics 4 Defence workshop, 8 September 2022, Kielce, Poland

Plan

- PPTF info
- Funding for R&D organisations
- Support for innovation with photonics



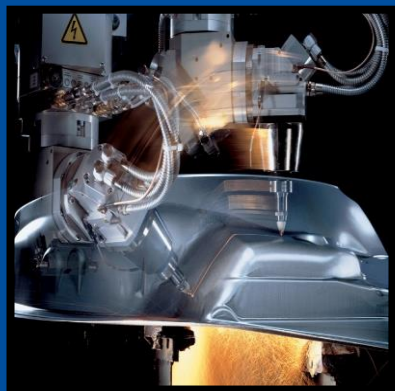
Fiber optics



Photovoltaics



LED lighting



Lasers



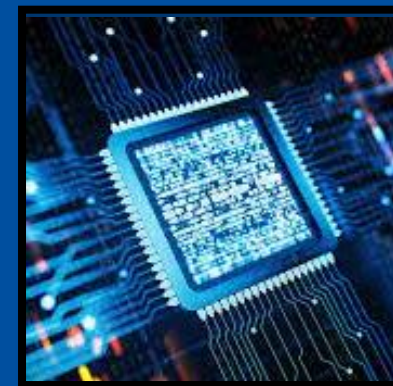
Displays



Sensors



Optical components



Photonics Integrated Circuits

Photonics

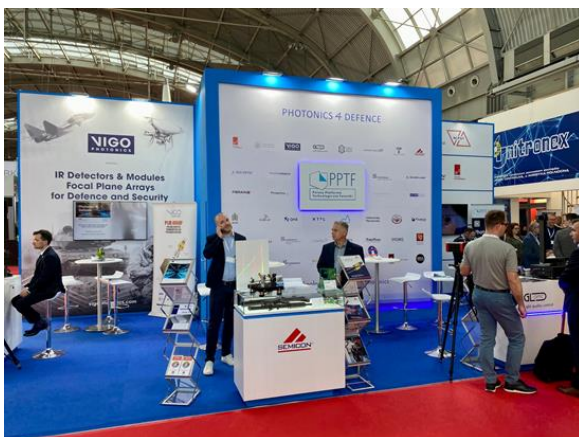
enabling multitude of applications

Polish Technological Platform on Photonics

- Building cluster on photonic and microelectronic technologies
- Integrating industry, universities and research institutions
- Supporting business development, cooperation in R&D, education & training
- Representing industry in Poland and in Europe (KIS 9 work group, member of Photonic21 Association)
- Active in European industry and R&D networks ([Board of Stakeholders Photonic21](#))

PPTF members

Meet us at MSPO:
E-54



Polish Technological
Platform on Photonics

Companies



Research Institutes



Universities



Politechnika Łódzka



Associations



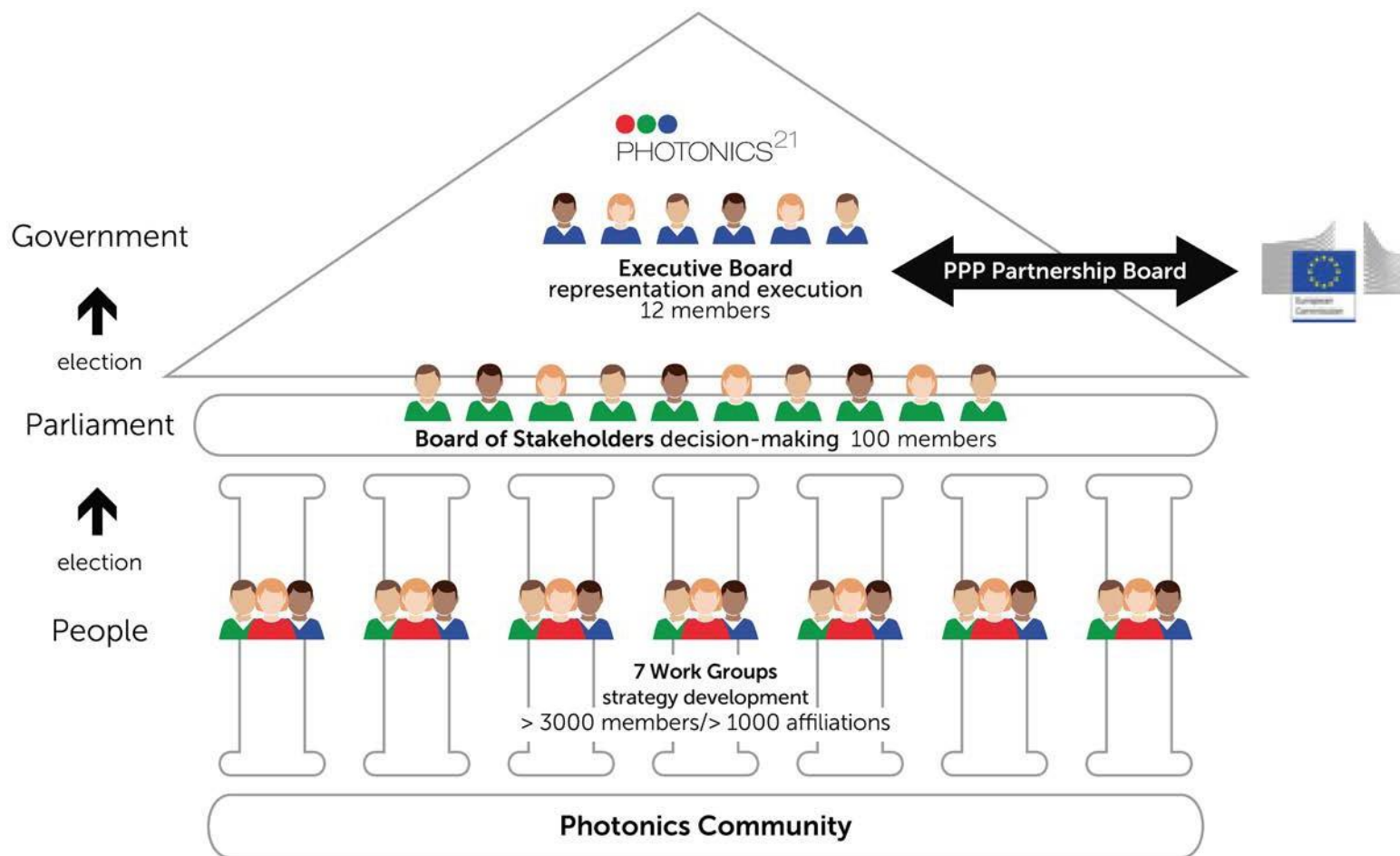
Polska Platforma
Technologiczna Fotoniki

Funding:

R&D organisations



Call topics and Horizon Europe funding



Source: VDI TZ GmbH

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

PPP calls:

- Prepared according to proven repetitive process
 - Starting with consultations
 - Ending in calls

7 year funding period: (2021-2027)

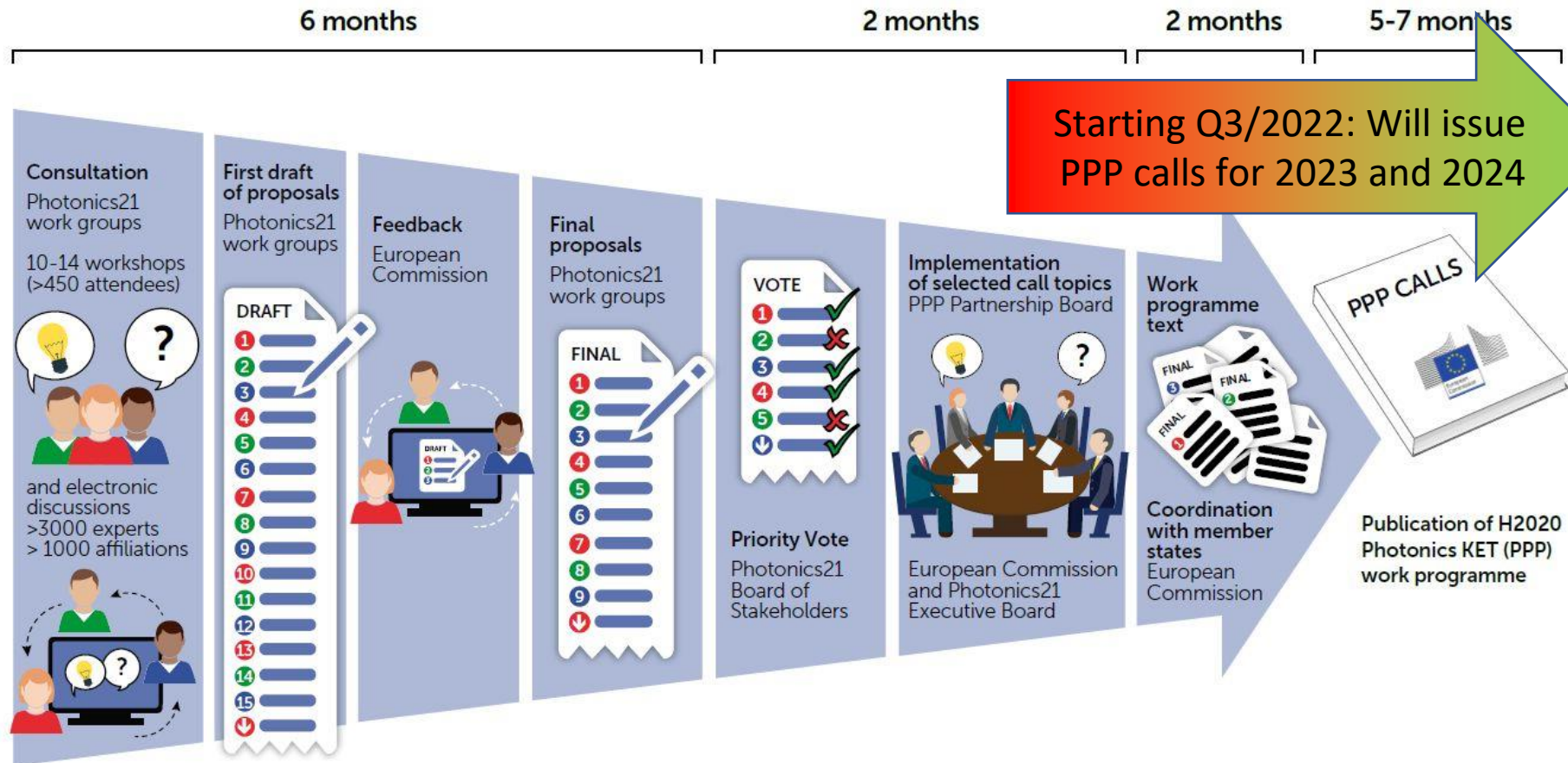
- 3 cycles
 - 2*2years
 - 1*3 years

Important for you:

1. Look for calls in Q3/22
2. Participate in consultation process starting in 2022

Horizon 2020 Photonics PPP calls

Research & Innovation Priority Process



Just a few of the *DRAFTED* Photonics Call Topics

Roughly 150Mio Euro for 2023-2024

- 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)

*Possible changes
No budget and no deadlines yet*



Funding:

innovation with photonics



PhotonHub Europe[®]

PHOTONICS INNOVATION HUB FOR EUROPE



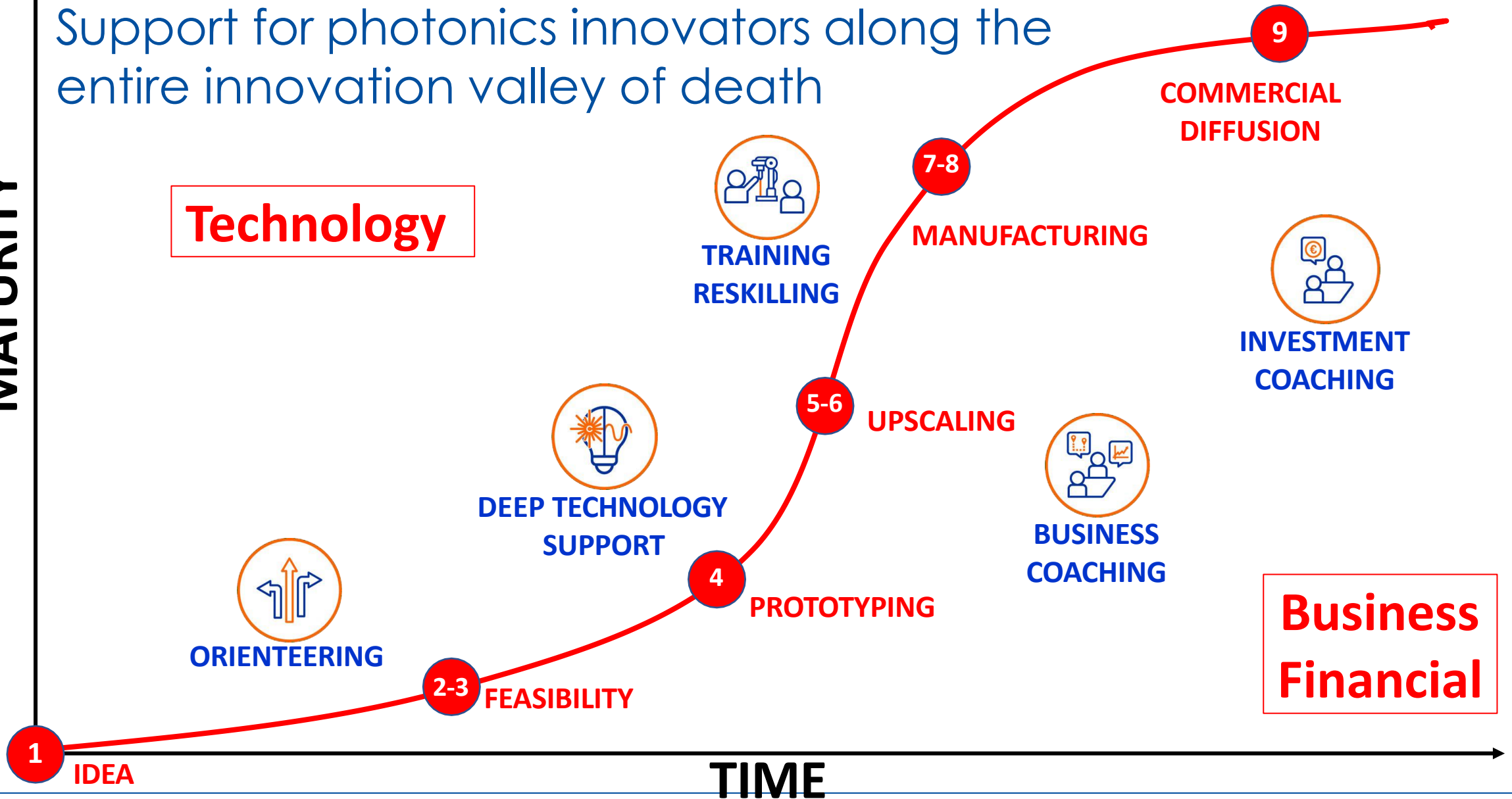
PHOTONICS²¹

PHOTONICS PUBLIC PRIVATE PARTNERSHIP

Support for photonics innovators along the entire innovation valley of death

MATURITY

Technology



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

orienteering

Budget: 19 M EUR
Started: 1 Jan 2021

Training



intro to photonics

training catalogue

demo centers

**hands-on
experience**

trainers

Deep Technology Support



**first level technology
and business coaching**

**deep technology
support TRLs 3-8**

impact

Business and Financial Coaching



**investment readiness
coaching**

**matchmaking
support**

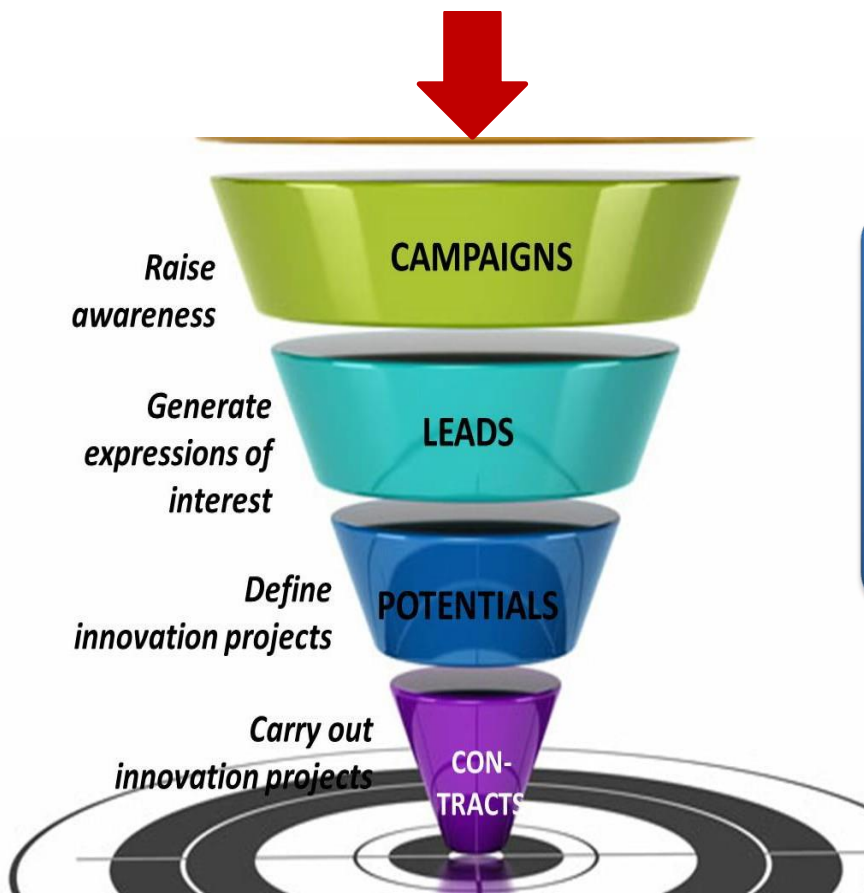
**photonics
venture forum**

**investor
days**

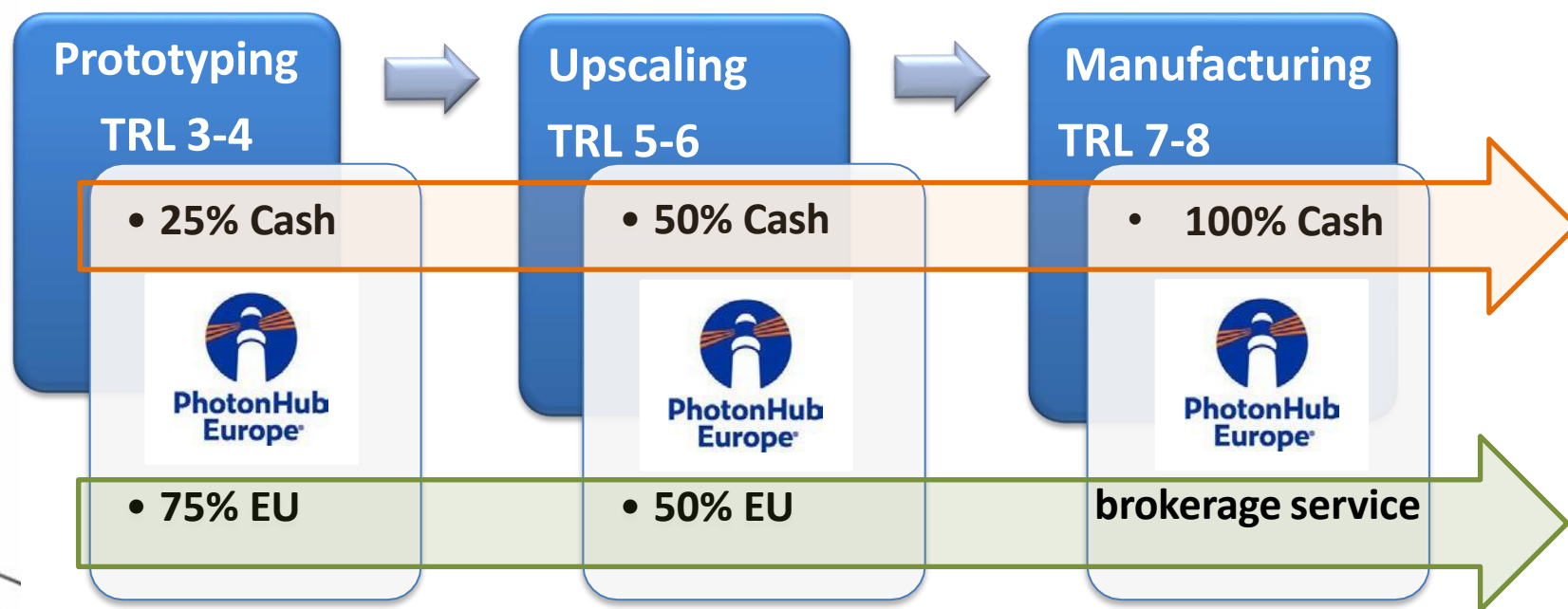
**IP
support**



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®**

500+ EXPERTS
15 MEMBER STATES

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



Key take-aways

1. Chose the light side – check advanced photonics technologies for your product or process
2. Money available for R&D – consult your ntnl photonics hub (in Poland: PPTF)
3. Support for companies easily available – PhotonHub Europe

Contact us for more information and ideas!



Polska Platforma Technologiczna Fotoniki
05-850 Ożarów Mazowiecki | ul. Poznańska 129/133
tel: +48 787 863 888 | e-mail: info@pptf.pl

www.pptf.pl