### **Photonics 21**

**Contact:** secretariat@photonics21.org

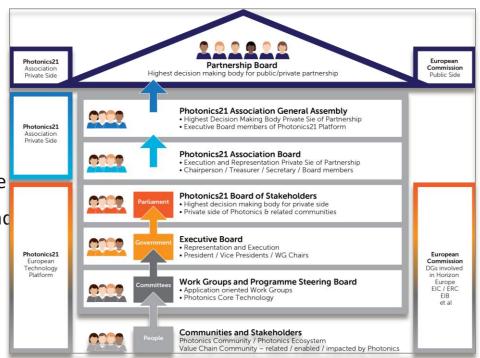
Website: www.photonics21.org

X / LinkedIn: Photonics21



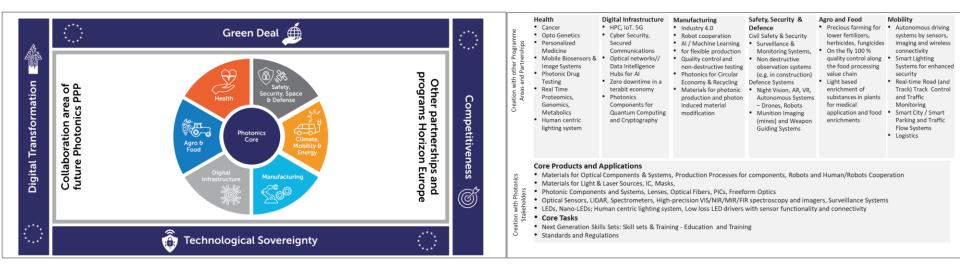
## Photonics21 – EU stakeholder organisation with more than 4000 members from academic research and industry

- Democratic, industry driven, stakeholder organisation following a people-parliamentgovernment principle
- All board positions are elected by the Photonics21 membership
- Membership is open to all and free of charge
- Close cooperation with end-user industry and other deep technologies key to implement strategy





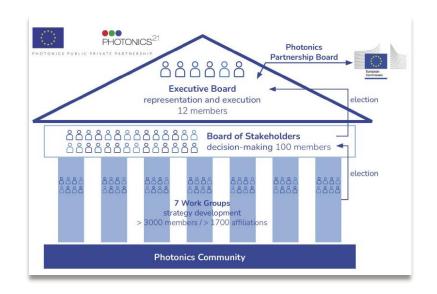
# Photonics21 – Seven Work Group providing expertise to shape the future of photonics in Europe





## Photonics 21 – Advising the European Commission in Photonics Research & Innovation Priorities

- Photonics Partnership with the European Commission since 2014
- Photonics21 officially advises the European Commission on Photonics Research & Innovation Priorities for photonics calls
- Photonics21 consults the European photonics community in an open, transparent and democratic strategy process

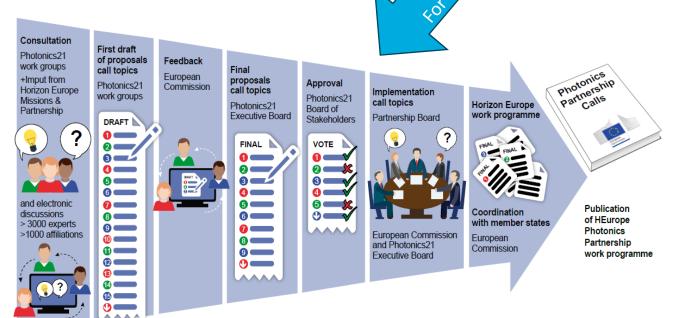




Photonics21 – member consultations for setting Photonics Partnership call priorities

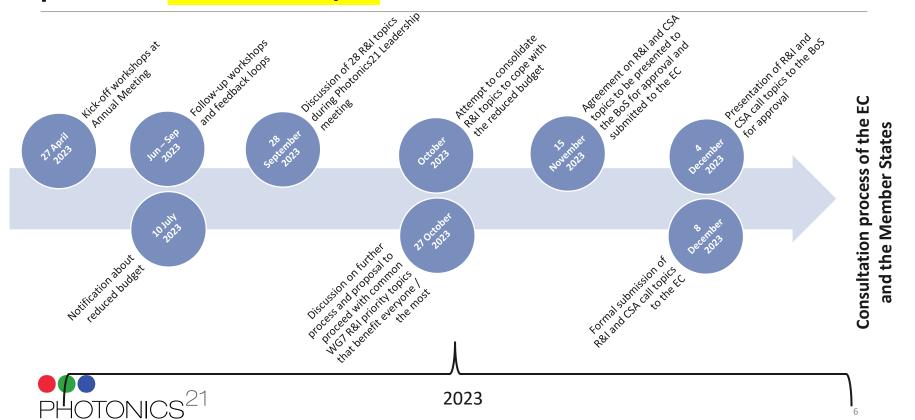
Photonics21 Strategic Research & Innovation Agenda







## Photonics21 – Steps toward Photonics Partnership call priorities 2025 & 2026/27





### Shape the future of photonics in Europe!

#### **Photonics Partnership Annual Meeting 2024**

14 – 15 May 2024 DoubleTree by Hilton Brussels City Hotel





#### Why attend

- Be part of a high-level panel discussion "Quo Vadis Photonics?"
- Get information on funding opportunities in other European partnerships or initiatives
- · Learn about the economic performance of photonics on a global scale
- · Network and develop new ideas for future Photonics R&I projects

#### Register now!

Early bird rates and sponsoring opportunities available at www.photonics21.org



### Photonics21 funding in Switzerland

#### Phorwards21 (Christian and Christoph)

- Support action to run Photonics21
- Switzerland is coordinating "Photonics 4..." workshops
- · Payed by SBFI

#### Photonhub (Pierre Yves)

- Test before invest
- Carla360 (Pierre Yves)
  - Career in Photonics

#### How to get EU funded

- Participate in EU call (cannot lead it)
- Enter effort as usual (EU budget with 0)
- Apply with SBFI to get project funding (academia as well as companies get funded)
- (as in framework 6 and during blockage)

#### Phorwards21 contacts

No	Partner	Responsible	e-mail
1	AEIT-CORIFI, Italy	Silvia M. Pietralunga	silvia.pietralunga@polimi.it
2	EaPS, Sweden	Petra Binding	petra@photonicsweden.org
3	LS Lasertech	Petra Binding	petra@photonicsweden.org
4	PB Science Management	Petra Binding	petra@photonicsweden.org
5	HPhos, Greece	Elias Hontzopoulos	ehontzopoulos@primelasertech.gr
6	PA, Austria	Michael Wurzinger	Michael.Wurzinger@joanneum.at
7	PF, France	Ivan Testart	ivan.testart@photonics-france.org
8	PFIN, Finland	Caroline Amiot	caroline.amiot@photonics.fi
9	PLG, UK	John Lincoln	john.lincoln@photonicsuk.org
10	PNL, Netherlands	Petra Wicherink	petra.wicherink@photonicsnl.org
11	PPTF, Poland	Maciej Nowakowski	mnowakowski@pptf.pl
12	RTO LT Lithuania	Linas Eriksonas	linas.eriksonas@ftmc.lt
13	TNI, Ireland	Martin O'Connell	martin.oconnell@tyndall.ie
14	UPC, Spain	Laura Escolano	laura.escolano@upc.edu
15	VSLP, Switzerland	Christoph Harder	harder@swissphotonics.net
	VUB, Belgium	Nathalie Debaes	ndebaes@b-phot.org
		Organisation	
	VDI	Sabrina Hall	hall@vdi.de
	VDI	Markus Wilkens	Wilkens@vdi.de

### Photonics21: Challenges

#### Photonics is key enabling technology

- Technology driven
  - · low TRLs, funding of technology
- But: EU is funding more and more market driven.
  - Technology loses importance with respect to challenges
  - Higher TRLs, funding of challenges (health, ..)

#### Chips act

- Photonics is by many considered to be part of electronics
  - PICs will be part of "silicon" chips act
  - Silicon is dominated by huge companies, photonics by small companies (elephant and the mouse in one cage)

#### Quantum

- Quantum started with mechanics (Fermions)
  - Photonics (Bosons) is dealing everyday with dualism of quantum and optical quantum computer gain ground
  - Some photonics academia has been switching to quantum

#### Photonics21

Will there be a Photonics 21 PPP for 2028 ???

## Thank you!!

**Contact:** secretariat@photonics21.org

Website: www.photonics21.org

X / LinkedIn: Photonics21

PHOTONICS<sup>2</sup>