

Photonics21 BoS Meeting

#Next_Photonics. Drive the Change

Task Force Future Strategy – Approach and
Expectations on Work Groups

Aldo Kamper, Photonics21 President & *CEO Osram
Opto Semiconductor*



Photonics21 has achieved a lot over the last 12 years and we will today prepare for future opportunities

history

2005

Photonics21

- Founded as a European Technology Platform
- Advisor to the European Commission
- 250 members



Source: Photonics21/VDI
Technologiezentrum GmbH,
Photographer: Bea Uhart

today's programme

2014

Horizon2020

- Joint PPP of European Commission and Photonics21
- Contractual Partner to the EC
- >3.000 members



Source: Photonics21/VDI
Technologiezentrum GmbH,
Photographer: Vivian Hertz

beyond

2020

#next_photonics

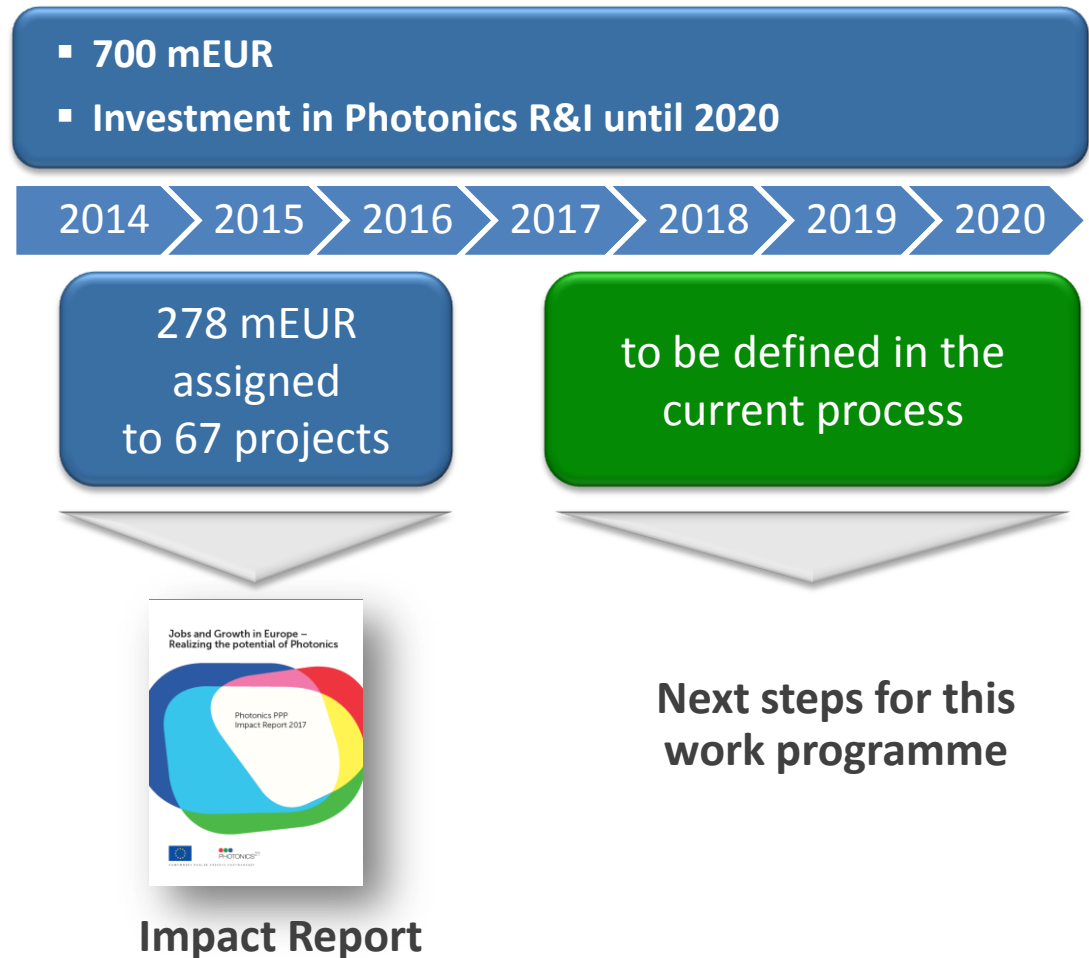
- Shape the age of digitization in Europe

Horizon2020 already shows impact – the next phase has to be defined

P21 work groups



Horizon2020



Work programme 2018-2020

Key dates and deliverables

Deliverable	Date	Occasion
Discussion and approval in Partnership Board	28 March 2017	Approved
Discussion and commenting in Board of Stakeholders	28 March 2017	
Send out revised draft paper by European Commission	31 March 2017	
Electronic approval by Board of Stakeholders	09 April 2017	

Photonics21 has to prepare for the next work programme – Megatrends shaped by the photonic industry...



Megatrend Map

This megatrend map shows the twelve fundamental megatrends of our time. Megatrends never are linear and one-dimensional, but rather multi-faceted, complex and connected. This particular type of illustration therefore not only shows the trends per se, but also displays overlappings and parallels between them.

Individual stations of one megatrend line then again illustrate different dimensions, facets, and trend aspects. They depict the complexity of one megatrend and its diverse influencing factors that are at work in its environment.

Megatrends are trends that have a big and epochal character. We assume their half-life period (so the time until they reach the peak of their efficacy) to be around 30 years or more.

However the decisive feature of megatrends is not their duration, but their impact. It is not just they change particular segments and areas of social life or the economy – they shape societies as a whole.



Our journey to the post H2020 Photonics program

Task Force

Work Groups

Boards & Work Groups

#next_photonics

**Relevant
Megatrends**

- Define impacted areas
- Define enabling technologies

Impact of Photonics

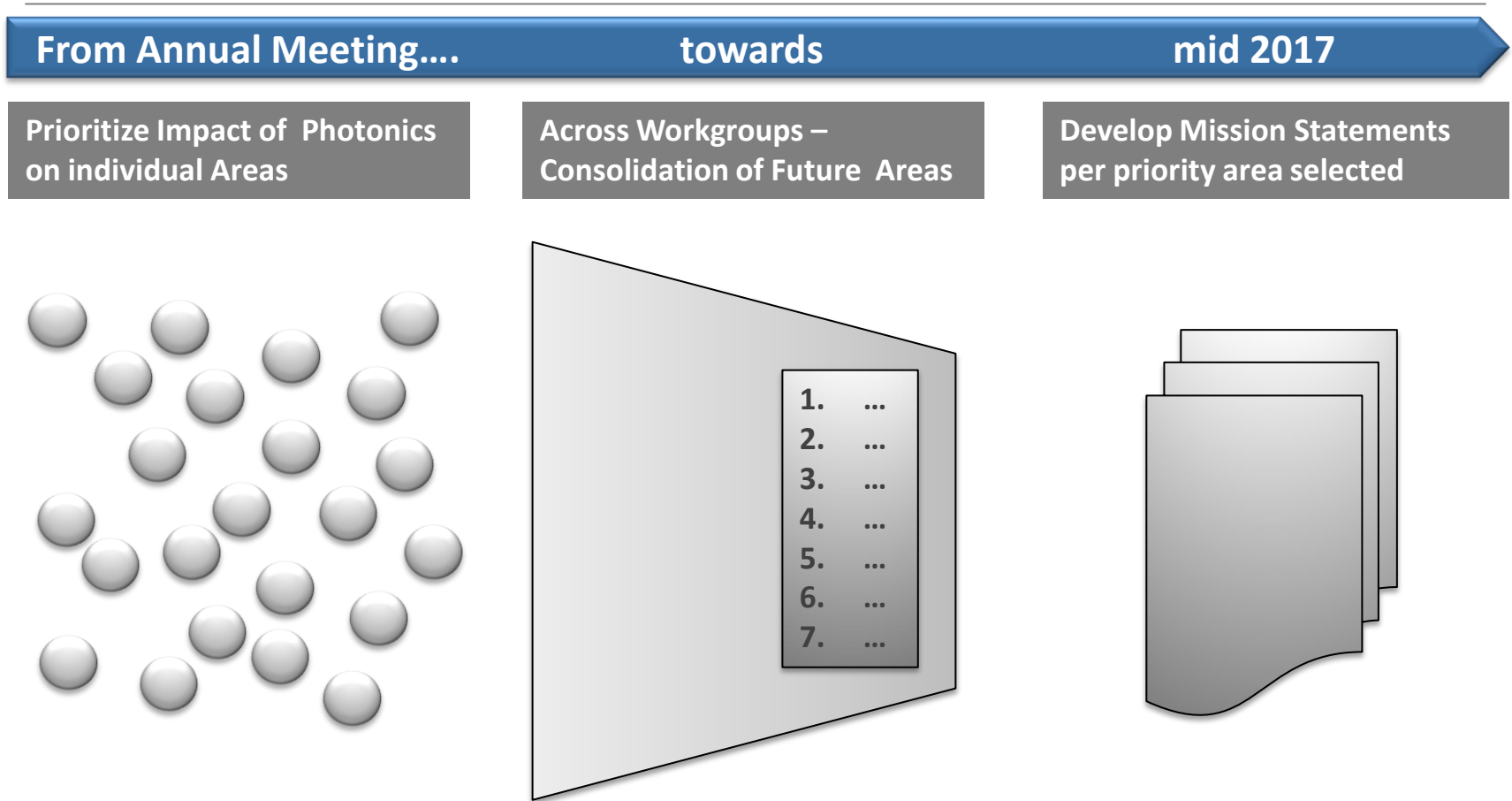
- Prioritize areas with most impact
- Define Mission Statements per Area

**Define structure
(2017)**

Work Groups
Prepare Vision Paper (2017)
Work on next SRA (2018)

#next_photonics

Approach to define Photonics 21 future Strategy & Structure



#next_photonics

Post Horizon2020 preparation

Dates and deliverables

Deliverable	Date	Occasion
Photonics21 Position Paper Future of Photonics in the post H2020 programme	End of June 2017	Photonics21 Executive Board Meeting with EU Commissioner
Photonics21 Vision Document Future of Photonics in the post H2020 programme	October 2017 !!!!	Hand over to the EU Commissioner
Photonics21 Strategic Research and Innovation Agenda for the post H2020 programme	March 2019	Hand over to the EU Commissioner @Photonics PPP Annual Meeting 2019