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Photonics information and networking

Scene setting

Philippe Vannson

Head of Unit, Photonics Unit , DG CONNECT , European Commission

Photonics Information and Networking event, 27 January 2017

AGENDA morning

9:30 Welcome and scene setting

Philippe **VANNSON**, HoU, A4 – Photonics, CNECT, EC

Heinz **SEYRINGER**, Photonics 21 EB member & Head of Research Collaborations
Zumtobel Group

10:00 Topic ICT 30–2017: Photonics KET

Christoph **HELMRATH**, PO, A4 - Photonics, CNECT, EC

Q&A

11:00 – 11:30 Coffee Break

11:30 H2020 – How to prepare & submit a proposal

Francisco **GUIRAO MOYA**, Head of Sector, R5 - Programme Operations &
Common Services, CNECT, EC

12:00 Lessons learnt from previous calls

Eddy **CORTHALS**, PO, A4- Photonics, CNECT, EC

12:30 – 13:30 Lunch

AGENDA afternoon

13:30 **The SME instrument and Fast Track to Innovation**

Romain **BOUTTIER**, PO, A2 - SME-Instrument, EASME

Q&A

14:00 **Networking and brokerage session with presentations of proposal ideas:**

-**IDEAL-IST** : Irena ŽILIH , ICT National Contact Point (NCP), Croatia

Q&As corner with Project Officers

- **ICT30.a RIA: Application driven core photonic technology developments for agile Petabit/s Optical Core and Metro Networks** - Dimitrios **AXIOTIS**
- **ICT30.a RIA: Photonic integrated circuit (PIC) technology-** Michael **HOHENBICHLER**
- **ICT30.a RIA: Disruptive approaches to optical manufacturing by 2 and 3 D opto-structuring-** Tanya **NIKOLOVA**, Christoph **HELMRATH**
- **ICT30.b IA: Innovation Incubator for SMEs** - Eddy **CORTHALS**
- **ICT30.b IA: Application driven core photonic devices integrated in systems**
 - imaging systems for **in-depth disease diagnosis systems** - Anna **PELAGOTTI**, Eddy **CORTHALS**
 - **sensing** for process and product monitoring and analysis- **Michael ZIEGLER**
- **ICT30.c CSA: Supporting the industrial strategy for photonics in Europe-** Eddy **CORTHALS**

15:30 **Wrap-up and closure**

16:00 **End**



Objectives of the day

- *convey information on*
 - **Photonics related call topics in LEIT-ICT calls 2017**
 - **Other relevant funding opportunities**
- *provide guidance on how to participate and how to submit a proposal*
- *networking and brokerage to facilitate building consortia and proposals*



A few reminders on Horizon 2020...

- ***Biggest EU R&I programme ever***
€77 billion of EU funding over 2014-2020
~ 27% increase compared to 2007-2013
- ***Core part of Europe 2020's strategy***
Smart, sustainable and inclusive growth

Main objectives

- Responding to the economic crisis to invest in future jobs and growth
- Addressing people's concerns about their livelihoods, safety and environment
- Strengthening the EU's global position in research, innovation and technology



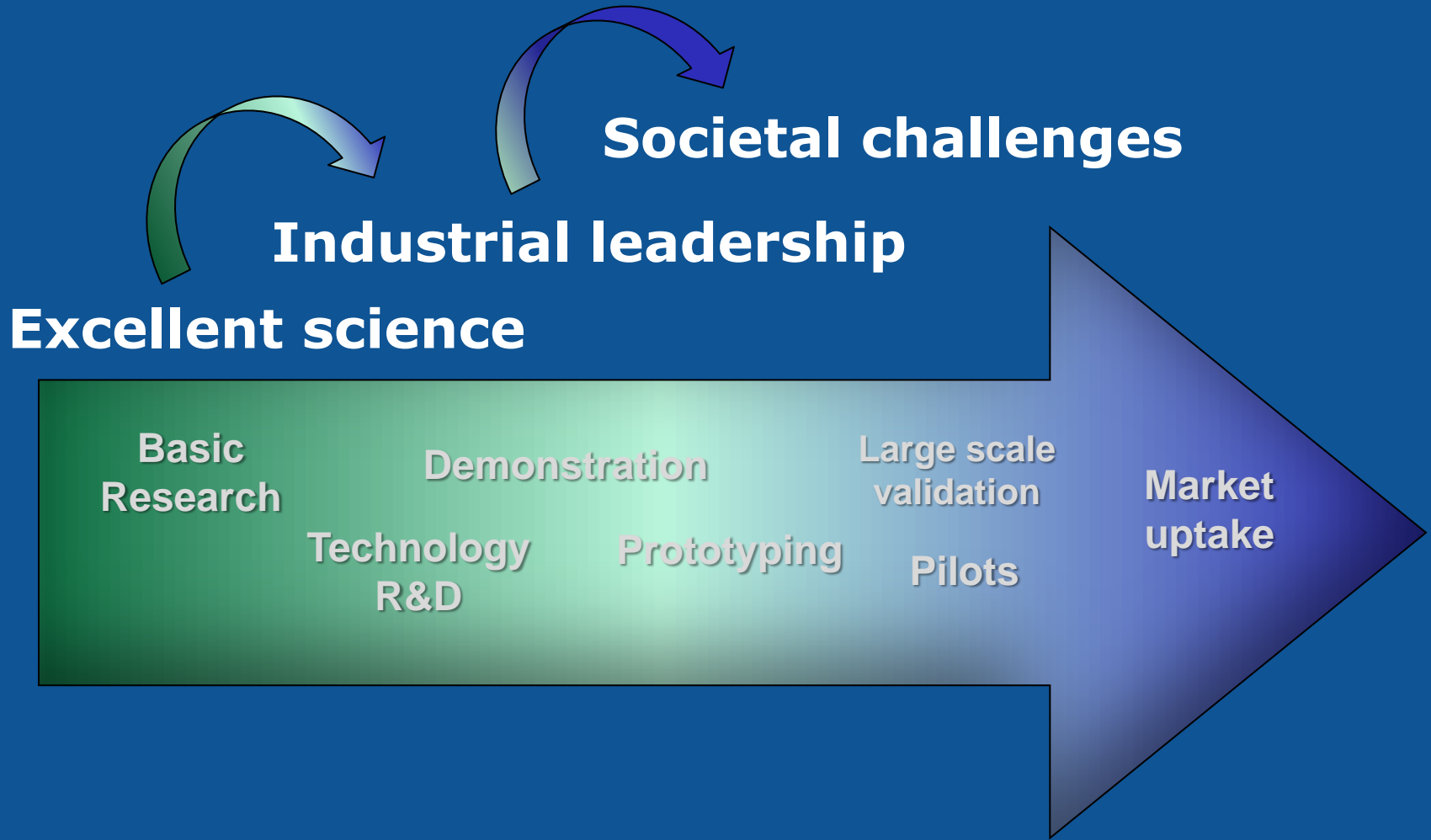
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Three priorities



Coverage of the full innovation chain



Feedback Calls 2014 - 2016

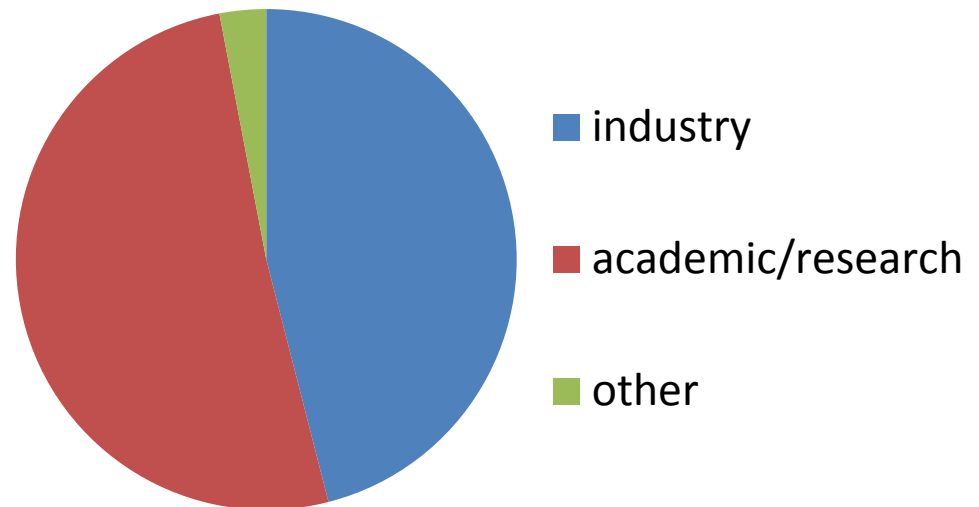
69 photonics projects

275 M€ funding for photonics (including 43 M€ in FoF)

Good topic coverage

Good value chain coverage (end-users, suppliers, etc)

Strong industrial participation : 45%



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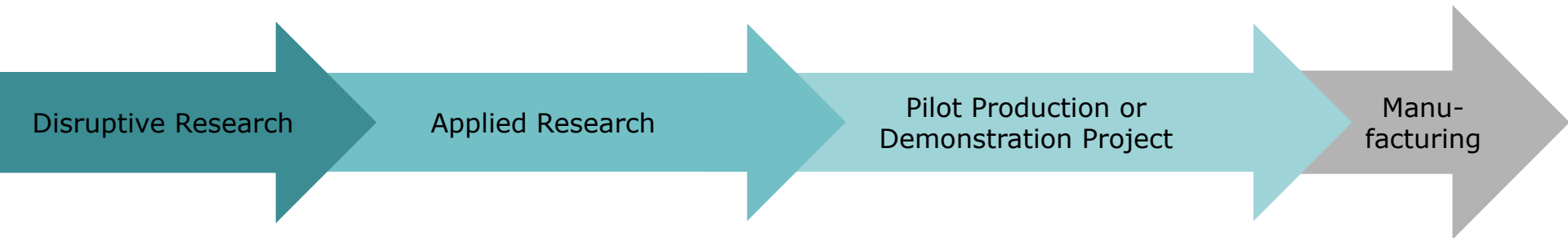
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Horizon 2020: Closer to market activities along the value chain

Research & Innovation Actions



Innovation Actions



Challenge: Closer to the market activities are often > 10 times more expensive



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Photonics Public Private Partnership

The PPP is the EC + Photonics21

Signed on 17 December 2013, Brussels

→ Industry-driven, multi-annual strategic research and innovation agenda



EU investment
700 M€ for the
Photonics PPP
(460 M€ in FP7)

Objectives:

▪ FOSTER MANUFACTURING, JOB AND WEALTH CREATION IN EUROPE

through a long term investment commitment by both industry and the EC;

▪ MOBILISE, POOL AND LEVERAGE PUBLIC AND PRIVATE RESOURCES

to provide successful solutions for some of the major societal challenges facing Europe, in particular in healthcare & well-being, and energy efficiency.

▪ ACCELERATE EUROPE'S INNOVATION PROCESS AND TIME TO MARKET

by addressing the full innovation and value chain in a number of market sectors where European photonics industry is particularly strong (e.g. lighting, medical photonics, and optical components & systems);

