



Workshop "Nanotechnologies and Advanced Materials Pilot Projects Test-beds for industry and private investments"

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Søren Bøwadt
DG Research and Innovation
Leadership in Enabling and
Industrial Technologies

PILOTS Lines - Policy perspective

Horizon 2020 Industrial leadership pillar has invested more than 140 million in nanotech and advanced materials pilot lines that enable demonstration in an industrial environment because:

- Progress **research to industrial scale** (reaching TRL 6-7)
- Demonstrate **industrial technology uptake**,
- Enhance industry's ability to **quickly turn R&D into products**,
- Enable **early market entry** of new products with a competitive edge

Europe must exploit this potential!

- ✓ **Need to engage industry, SMES, public and private investors**
- ✓ **Develop a favourable ecosystem for materials upscaling**
- ✓ **Support regional growth through fast deployment of new technologies**



European
Commission

Existing pilots lines



- **150 M€ funding over 4 years (2014-2015)**
- **30 nanotech and advanced materials projects**

NanoMaterials
NanoManufacturing
Health/Personal Care

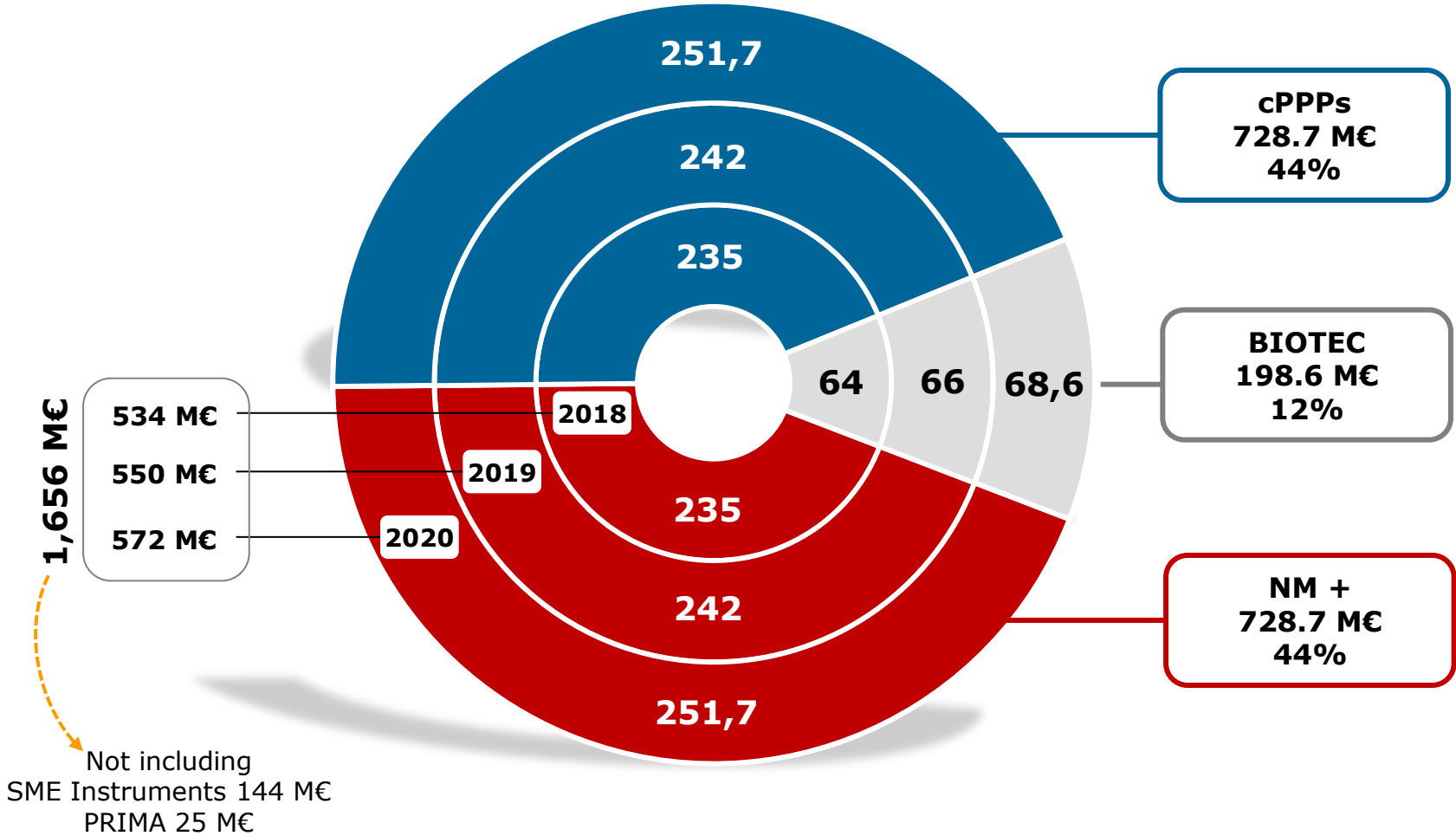
- **>80 technical installations**
- **>40 Regions involved**

EUROPEAN PILOT PRODUCTION NETWORK

- **Cluster and coordinate** pilot activities in the area of nanotechnology and advanced materials technology upscaling and pilot production.
- **Promote the Pilot infrastructure and advisory services, support their business planning, facilitate access for SME's and start-ups,** and optimise the impact for all.
- **Support the understanding and development of innovation programmes and finance opportunities across H2020, regional and private sources, in order to maximise synergies and impact of the various investments.**



NMBP BUDGET 2018-2020 (1,656 M€)



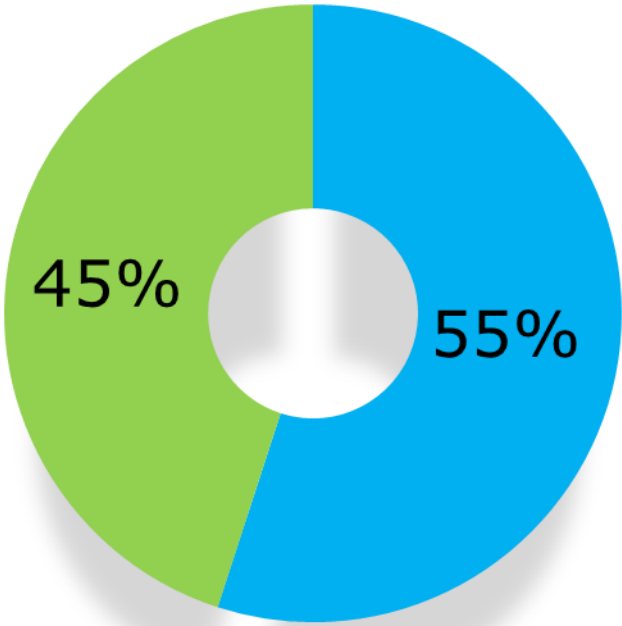


NMBP Main Priorities

Climate, Energy and the circular economy

Contributions to focus areas

- Climate, Energy (25%)**
- Circular Economy (20%)**



Bringing the digital to the physical world

Contributions to **Industry 4.0** focus areas

including innovation hubs to bring nanotechnologies closer to markets, and medical technologies

Calls

- EEB
- SPIRE
- NMB
- PILOTS
- FOF

Research and Innovation



EuroNanoForum 2017

21-23 June 2017
Valletta, Malta

The program is currently under development
For further information please contact the
ENF 2017 Chairperson Brigitte Tanti
brigitte.tanti@maltaenterprise.com

under the auspices of the Maltese Presidency of the
European Union. It is organised in cooperation with the
European Commission's Directorate-General
for Research and Innovation



Soren BOWADT
Deputy Head of Unit

European Commission
DG Research & Innovation
Advanced Materials and
Nanotechnology

COV2 05/105
1049 Brussels/Belgium
+32 229-94203
soren.bowadt@ec.europa.eu

About Horizon 2020

<http://ec.europa.eu/research/horizon2020/>

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