



# 2017 EU PROCESS INDUSTRY CONFERENCE

## A look to the future framework

**Brussels  
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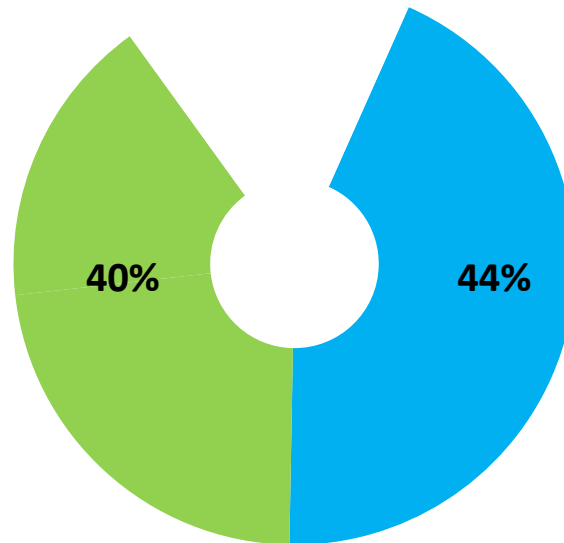
HORIZON 2020

## NMBP WP 2018-2020

### Climate, Energy and the circular economy

Connecting economic and environmental gains the Circular Economy (23%)

Building a low-carbon, climate resilient future (17%)



### Bringing the digital to the physical world

Digitising and transforming European industry and services

including innovation testbeds to bring nanotechnologies closer to markets

**SPIRE**  
Around 320 M€

Calls

**TRANSFORMING  
EUROPEAN  
INDUSTRY**

**INDUSTRIAL  
SUSTAINABILITY**

**FOUNDATIONS  
FOR TOMORROW'S  
INDUSTRY**



# **SPIRE calls for 2018-2020**

- *Provide major momentum to R&I across the process industry sectors with 320 M€ in calls only from NMBP.*
- *Build on the positive results achieved so far, aiming at large scale demos and prompt industrial deployment.*
- *Target breakthrough gains across the process industry, through industrial symbiosis, recycling and recovery.*
- *Support the development of smart retrofitting concepts to improve performance of existing large scale installations.*
- *Enable the shift to renewable electricity (e.g. electrification).*



## "LAB – FAB – APP"- Lamy Report- Future needs

- Increase European R&I budget compared to Horizon 2020.
- We excel at producing scientific knowledge in Europe, but we are not good at getting economic growth out of science.
- Europe has an innovation deficit compared to global trading partners.
- Major technological and economic changes, and the urgency of global challenges, require immediate action.
- The post-2020 EU R&I framework programme must maximise its EU added value & impact (for science, the economy, society and citizens).

# Contractual Public-Private Partnerships

## Strengths:

- Well established: from 3 to 10 cPPPs, 7.1 billion EUR investment.
- Flexible and easy to set up. Full application of Horizon 2020.
- Major industrial participation (including SMEs).
- High level of openness and transparency in participation

## Challenges:

- Part of future debate on streamlined landscape of instruments
- Involvement of Member States and society
- Clear and measurable KPIs
- Attract newcomers

**→ Interim evaluation to be presented at the "Industrial Innovation Information Days", Brussels 3 and 4 October**

## FP9 – Missions - Partnerships

- *Lamy report (rec. 5): Adopt a mission-oriented, impact-focused approach to address global challenges.*
- *How they could look like:*
  - Have high EU added value, setting a direction.
  - Clear R&I focus, citizen priorities, final user relevance.
  - Ambitious: Transformative, inclusive, leveraging large-scale investments by different actors.
- *Essential elements:*
  - Strategic agenda, aiming at 2030 objectives.
  - Clear milestones and KPIs (inbuilt monitoring).
  - Allow joint action with EU and national funding



European  
Commission

# Timeline

