

#innovacion
#financiacion
#asesoramiento
#internacionalizacion



CDTI Centro para el
Desarrollo
Tecnológico
Industrial

@CDTIoficial



H2020 – NMBP EeB-01

Lucía Iñigo

Madrid, 8 Noviembre 2018

ESHORIZONTE2020
Portal español del Programa Marco de Investigación e Innovación de la Unión Europea
@EsHorizonte2020

NMBP Calls 2018-2020: Focus Areas



- Digitisation / Transformation of Industry

- Circular Economy



- De-carbonisation and Energy

NMBP CALLS 2018-2020

FOUNDATIONS for
tomorrow's industry
(~395M€)

Open Innovation
TestBeds

Characterisation &
Modelling

Governance, risk-
assessment &
regulatory

TRANSFORMING
European industry
(~525M€)

Factories of the
Future (FoF)

Biotechnology

Medical Technology

Industrial
SUSTAINABILITY
(~525M€)

Sustainable
Process Industry
(SPIRE)

Catalysing Circular
Economy

Materials Clean
Energy

Cultural Heritage

Energy-efficient
Buildings (EEB)

Open to the world

NANOSAFETY

Multilateral cooperation
(**USA** and others)

NMBP-15-2019

NMBP-34-2019



Bilateral Cooperation with
China.

BIOTECHNOLOGY

CE-BIOTEC-05-2019



Other topics where international cooperation is *particularly encouraged*:

- Photocatalytic synthesis CE-NMBP-25-2019
- **SPIRE**, may be particularly appropriate in some areas of Sustainable Process Industry (*in particular with Eastern Partnership Countries*)
- **EEB-05-2019** Integrated storage systems for residential buildings (IA)
Members of the *Mission Innovation* initiative.

New!



División de
Programas de la UE

@EsHorizonte2020

CDTI Centro para el Desarrollo Tecnológico Industrial | E.P.E.



CDTI Centro para el
Desarrollo
Tecnológico
Industrial

@CDTIoficial

The Work Program 2018-20 (updated 2019)

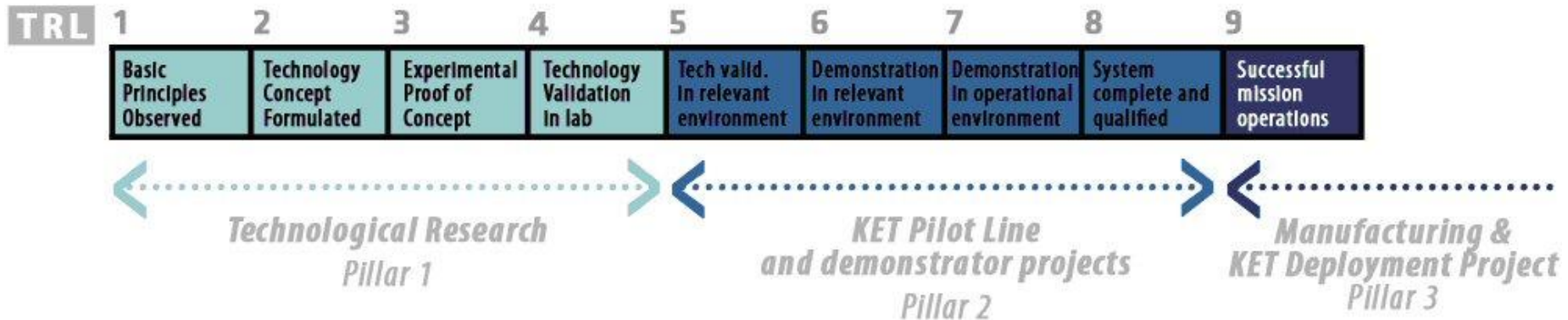
1. Introduction 2018-20_v2.0 >
2. Future and Emerging Technologies (FETs) 2018-20_v2.0 >
3. Marie Skłodowska-Curie actions (MSCA) 2018-20_v2.0 >
4. Research infrastructures (including e-Infrastructures) 2018-20_v2.0 >
5. Introduction to Leadership in enabling and industrial technologies (LEITs) 2018-20_v1.0 >
- 5i. Information and communication technologies (ICT) 2018-20_v2.0 >
- 5ii. Nanotechnologies, advanced materials, advanced manufacturing and processing, biotechnology 2018-20_v2.0 >
- 5iii. Space 2018-20_v2.0 >
6. Access to risk finance 2018-20_v2.0 >
7. Innovation in SMEs 2018-20_v2.0 >
8. Health, demographic change and well-being 2018-20_v2.0 >
9. Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bioeconomy 2018-20_v2.0 >
10. Secure, clean and efficient energy 2018-20_v2.0 >
11. Smart, green and integrated transport 2018-20_v2.0 >
12. Climate action, environment, resource efficiency and raw materials 2018-20_v2.0 >
13. Europe in a changing world - inclusive, innovative and reflective societies 2018-20_v2.0 >
14. Secure societies - protecting freedom and security of Europe and its citizens 2018-20_v2.0 >
15. Spreading excellence and widening participation 2018-20_v2.0 >
16. Science with and for society 2018-20_v2.0 >
17. European Innovation Council (EIC) 2018-20_v2.0 >
18. Dissemination, Exploitation and Evaluation 2018-20_v2.0 >
20. Cross-cutting activities 2018-20_v1.0 >

Introducción general

NMBP

Technology Readiness Levels (TRLs)

- TRL Target: bulk of activities within the TRL range mentioned in topic
- Only very limited activities allowed outside this range
- Highest TRLs for cases with a strong industrial commitment



LC-EEB-01-2019

Integration of energy smart materials in non-residential buildings (IA)

- Development of light-weight components with integration of energy transfer management
- Solutions both for new and retrofit
- Including modeling activities to predict durability and service life

IA ♦ TRL 5-7 ♦ 4-6 M€ -> ~3-4 projects

NMBP Calls 2019

Budget:

- FOUNDATIONS FOR TOMORROW'S INDUSTRY: **122 M€**
- TRANSFORMING EUROPEAN INDUSTRY: **188 M€**
- INDUSTRIAL SUSTAINABILITY: **211 M€**
- **Total NMBP calls 2019: 521 M€**



2019 Deadlines

Two-stage topics: **22/01/19** and **03/09/19**

Single-stage topics: **21/02/19**