

Opportunities & Support Mechanisms

**Personalised services for
Luxembourg stakeholders
to secure funding**



LUXINNOVATION
TRUSTED PARTNER FOR BUSINESS

Agenda

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Horizon 2020: a quick reminder

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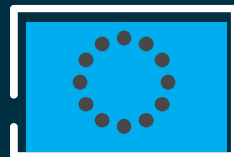
Funding: what are the opportunities?

3

Operational: How should I proceed and who will help?

1. Horizon 2020

European Framework
Programme for R & I





Horizon 2020

In a nutshell

- EU funds Research & Innovation through the Horizon 2020 framework programme (2014-2020)
- A total funding budget of 73.5 Billion Euros.
- Priorities of the programme that align also with Luxembourg's interest:
 - Smart City, Big Data, Personalised medicine, Cybersecurity, Fintech
 - Transport & new mobility, Digitising European Industry
 - Specific SME support

Why participate?

5 Main Reasons

■ Excellence:

- Competitive programme proves applicant's maturity & skills

■ Networking:

- Work with relevant players in your field

■ Impact:

- Address scientific & economic issues in trans-European partnerships

■ Funding:

- Advantageous funding rates (100% of eligible costs + 25% overhead)

■ Market:

- International consortia give partner more visibility & credibility vis-à-vis investors & customers

Horizon 2020 structure

Covers the value chain from fundamental research to market introduction

Excellent Science	Industrial Leadership	Societal Challenges
<ul style="list-style-type: none">▪ European Research Council▪ Future and Emerging Technologies<ul style="list-style-type: none">▪ Collaborative research to open new fields of innovation▪ Marie Skłodowska Curie actions<ul style="list-style-type: none">▪ Training and career development▪ Research infrastructures (including e-infrastructure)	<ul style="list-style-type: none">▪ Leadership in enabling and industrial technologies<ul style="list-style-type: none">▪ ICT, nanotechnologies, materials, biotechnology, manufacturing, space▪ Access to risk finance<ul style="list-style-type: none">▪ Leveraging private finance and venture capital for research and innovation▪ Innovation in SMEs<ul style="list-style-type: none">▪ Fostering all forms of innovation in all types of SMEs	<ul style="list-style-type: none">▪ Health, demographic change and wellbeing▪ Food security, sustainable agriculture, marine and maritime research & the bioeconomy▪ Secure, clean and efficient energy▪ Smart, green and integrated transport▪ Climate action, resource efficiency and raw materials▪ Inclusive, innovative and reflective societies▪ Security society

Spreading Excellence and Widening Participation

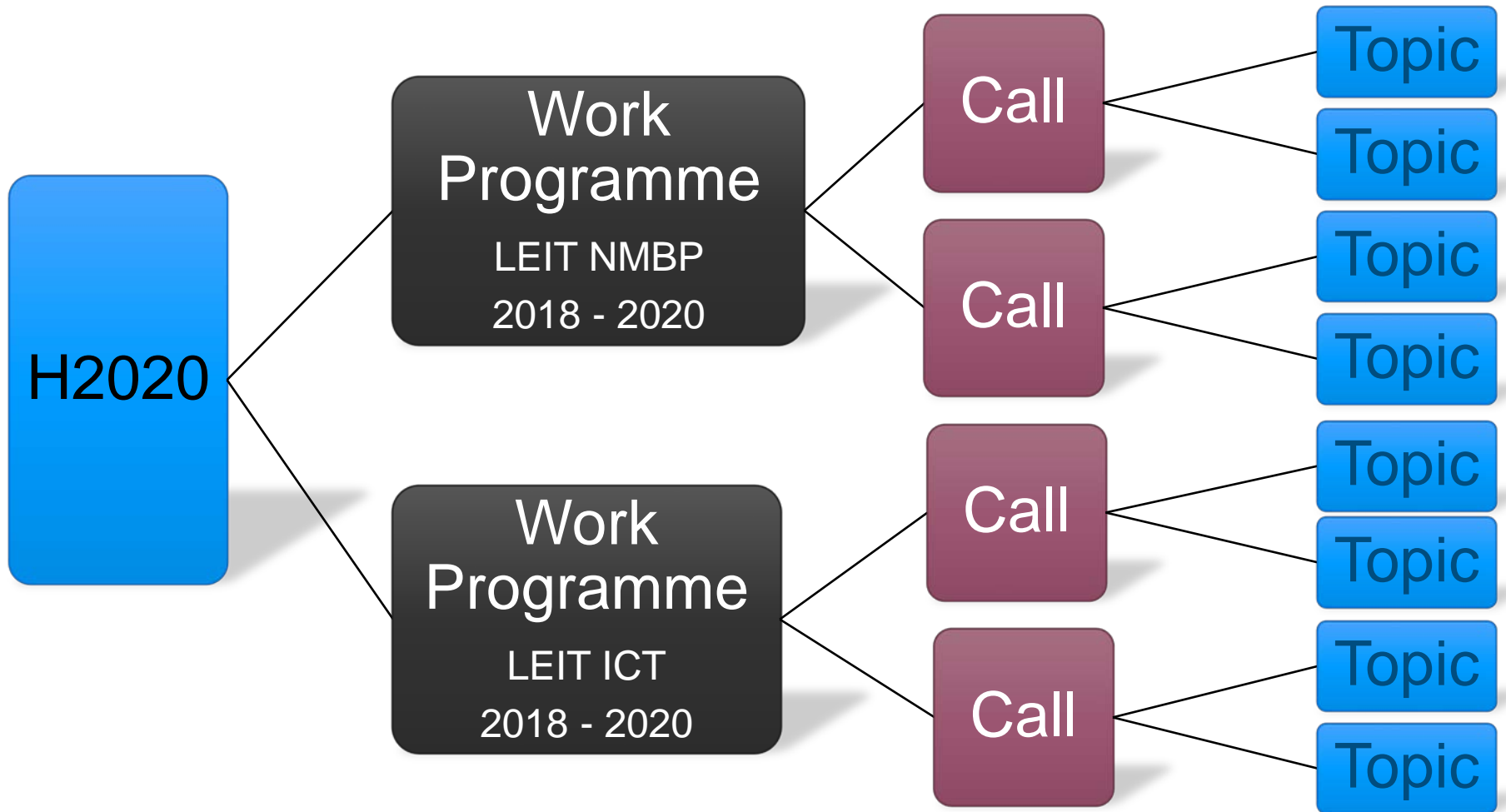
Science with and for society

European Institute of Innovation and Technology (EIT)

Joint Research Center (JRC)

Horizon 2020: Finding opportunities

A Call contains various topics. Submission is on topic-level



2. Funding: what are the opportunities?

Digitising European Industry
EFFRA



Factories of the Futur: some topics

Deadline Feb 2018

- DT-FoF-02-2018: Industrial Human-Robot Collaboration (HRC) - Budget: 6-8 M€
- DT-FoF-03-2018: Innovative manufacturing of opto-electrical parts - Budget: 6-8 M€
- DT-FoF-04-2018: Pilot lines for metal Additive Manufacturing - Budget: 12-15 M€

Remarks:

- Collaborative research: at least 3 legal entities from 3 different European Countries
- Participants funded between 50 and 100% of their actual costs
- Deadline in 4 months: Immediate action required

Factories of the Futur: some topics

Deadline Feb 2019

- DT-FoF-06-2019: Refurbishment and re-manufacturing of large industrial equipment - Budget: 12-15 M€
- DT-FoF-08-2019: Pilot lines for modular factories - Budget: 12-15 M€

Remarks:

- Collaborative research: at least 3 legal entities from 3 different European Countries
- Participants funded between 50 and 100% of their actual costs
- Deadline in 14 months: Define strategy and identify partners/consortium

NMBP workprogramme

Nanotechnologies, Advanced Materials, Biotechnology, and Advanced Manufacturing and Processing

Deadline step 1: Jan 2018

- 2 x Open Innovation Hubs (budget : 7-15 M€ each)
 - for Lightweight nano-enabled multifunctional composite materials and components
 - Characterisation (design, development, testing, safety assessment, and upscaling of new nano-enabled surfaces and membranes)
- DT-NMBP-09-2018: Accelerating the uptake of materials modelling software - budget : 4 M€

Remarks:

- Deadlines: 23/01/2018 (1st stage)
28/06/2018 (2nd stage)
- Collaborative research: at least 3 legal entities from 3 different European Countries
- Participants funded between 50 and 100% of their actual costs
- Deadline in 3 months: Network to join Consortium

NMBP workprogramme

Nanotechnologies, Advanced Materials, Biotechnology, and Advanced Manufacturing and Processing

Deadline step 1: Jan 2019

- DT-NMBP-10-2019: Materials modelling to challenges in manufacturing processes - Budget: 5 M€
- DT-NMBP-19-2019: Advanced materials for additive manufacturing – Budget: 6-8 M€
- DT-SPIRE-06-2019: Digital technologies for improved performance in cognitive production plants - Budget: 6-8 M€

Remarks:

- Deadlines: 23/01/2019 (1st stage)
28/06/2019 (2nd stage)
- Collaborative research: at least 3 legal entities from 3 different European Countries
- Participants funded between 50 and 100% of their actual costs
- Deadline in 15 months: Define strategy, identify partners

ICT workprogramme

Deadline: March/April 2018 – November 2018

March/April 2018

- ICT-07-2018: Electronic Smart Systems (multi-modal sensing, actuating, advanced processing, and secure wireless transmission) - Budget: 2 - 8 M€
- ICT-12-2018: Big Data technologies and extreme-scale analytics - Budget: 3-6 M€
- DT-ICT-07-2018-2019: Digital Manufacturing Platforms for Connected Smart Factories – Budget: 16 M€

November 2018

- ICT-19-2019 Advanced 5G validation trials across multiple vertical industries
Budget: 10-15 M€
- ICT-26-2018: Artificial Intelligence (intuitive interfaces, personalised applications, healthcare, manufacturing or agriculture) - Budget: 20 M€

ICT workprogramme

Deadline: March/April 2019

- ICT-01-2019: Computing technologies and engineering methods for cyber-physical systems of systems - Budget: 3-5 M€
- ICT-08-2019: Security and resilience for collaborative manufacturing environments - Budget: 4-6 M€
- ICT-09-2019-2020: Robotics in Application Areas (large scale manufacturing) - Budget: 3-9 M€
- ICT-10-2019-2020: Robotics core technology (AI and Cognition, Cognitive Mechatronics, Socially cooperative human-robot interaction, Model-based design and configuration tools) - Budget: 3-9 M€
- DT-ICT-01-2019: Smart Anything Everywhere (uptake of advanced digital technologies by European industry) - Budget: 8 M€

3. Operational: How should I proceed?



Action Plan

A few steps to success

- Identify most relevant topics
- Discuss interests with Luxinnovation's European Funding Team
- Identify further opportunities through a personalised search
- Assure alignment of topic with company's strategy and development
- Receive a personalised action plan, retro-planning and expert support along the entire procedure.

Support from Luxinnovation

Generic to be adapted to your specific needs

- Validation of topic and approach
- Full templates, guidelines, best practices
- Further added value information about the call and its context
- Support to create partnerships and identify consortia
- Critical Proposal review (at different iterations)
- Legal and financial support
- Proposal writing training
- Consultancy

Next Steps

Some hints and basics

- Project Building and proposal writing is an iterative process
- Successful proposals request between 6 to 12 months of work
- Decide until November on which H2020 topics you want to work until 2020
- Meet experts at Luxinnovation to help you with the screening, to validate topics and/or identify other ones
- Receive individual support until successful submission

→ Come and see us at the networking or drop your business card in the box



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Thank you!

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