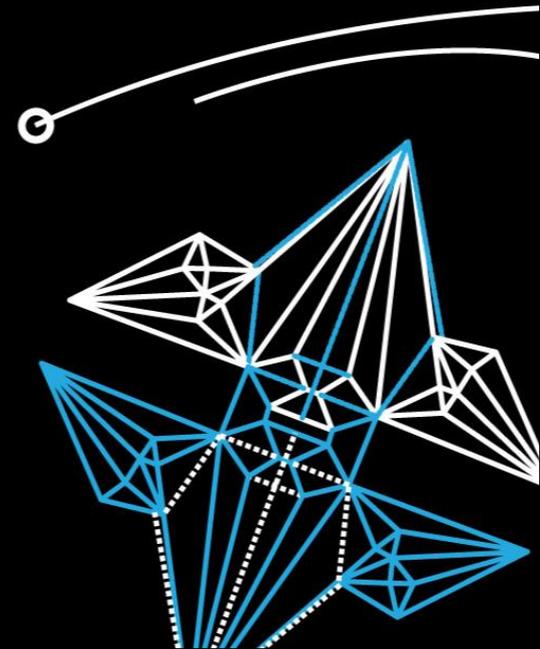
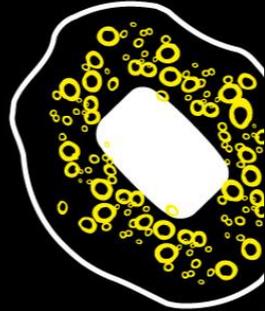


UNIVERSITEIT TWENTE.

# Funding opportunities for Smart Industries (Research)

Melanie Braamhaar, MA  
Grants Office - University of  
Twente -The Netherlands  
5 June 2018



# CONTENT

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- Introduction
- Funding opportunities & background
- Prepare & write a proposal



## ABOUT ME..



Melanie Braamhaar, MA

[m.h.braamhaar@utwente.nl](mailto:m.h.braamhaar@utwente.nl)

**Linked in**

<https://www.linkedin.com/in/melanie-braamhaar-7398775/>

2012- present

### **Grants Advisor EU-Office**

University of Twente (UT), Enschede (NL)

Main tasks: Supporting UT researchers in acquiring EU and other international funding, providing training courses on various funding instruments, expert on Horizon 2020 MSCA-programme conditions, acting as institutional Confidential Advisor (ancillary activity)

Business or sector ***Higher Education***

# EU-OFFICE AT THE UNIVERSITY OF TWENTE

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- Central services for strategic and tactical advice
- Finding funding opportunities
- Support for project building, writing and submission
- Evaluation results: feedback and negotiations
- Project management: help desk





Our very reason for existing is to

- Engage in ground-breaking research
- Have profound societal impact
- Construct multi-disciplinary answers to the grand challenges of tomorrow's world

**UNIVERSITY  
OF TWENTE.**



# EU FUNDING OPPORTUNITIES

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## Horizon2020 (2014-2020)

- Collaborative projects (address societal challenges)

More info, see the [Participant Portal](#)

## Horizon Europe (after 2020)

- Similar structure (address global challenges)



# RESEARCH & INNOVATION

## Participant Portal

European Commission > Research & Innovation > Participant Portal > Home

HOME

FUNDING OPPORTUNITIES

HOW TO PARTICIPATE

EXPERTS

SUPPORT

Search PP



LOGIN

REGISTER



On this site you can find and secure **funding** for projects under the following EU programmes:

- **2014-2020** Horizon 2020 - research and innovation framework programme
- **2007-2013** 7th research framework programme (FP7) and Competitiveness & Innovation Programme (CIP)
- Research Fund for Coal & Steel, COSME, 3rd Health Programme, Consumer Programme, Justice Programme

### Non-registered users

- search for funding
- read the H2020 Online Manual & download the legal documents
- check if an organisation is already registered
- contact our support services or check our FAQs

### Registered users

- submit your proposal
- sign the grant
- manage your project throughout its lifecycle
- register as expert advising the Commission



WHAT'S NEW?



FUNDING OPPORTUNITIES



HOW TO PARTICIPATE



WORK AS AN EXPERT



MY PERSONAL AREA



INFORMATION AND SUPPORT



# RESEARCH & INNOVATION

## Participant Portal

European Commission > Research & Innovation > Participant Portal > Funding Opportunities

### EU Programmes 2014-2020

- Search Topics**
- Updates [Calendar] [RSS]
- Calls [Calendar] [RSS]
  - H2020
  - Research Fund for Coal & Steel
  - 3rd Health Programme
  - Promotion of Agricultural Products
  - Consumer Programme
  - COSME
  - Justice Programme



### Funding Opportunities

[H2020 ONLINE MANUAL](#)

Find the European Union funding opportunities and search for new or closed calls of the programmes described on this page.



### Horizon 2020

**Horizon 2020** is the new EU funding programme for research and innovation running from 2014 to 2020 with a €80 billion budget. H2020 supports **SMEs** with a new **instrument** that runs throughout various funded research and innovation fields, enhances EU **international research** and Third Country participation, attaches high importance to integrate **social sciences** and **humanities** encourages to develop a **gender dimension** in project.

### FP7 & CIP Programmes 2007-2013

### Cosme

Programme for the Competitiveness of Enterprises and SMEs (COSME) will run from 2014 to



# EU COLLABORATIVE FUNDING OPPORTUNITIES

## Horizon2020

- WP 2018-2020 published
- Focus on RIAs
- Define application areas and stakeholders (consumers, SMEs)
- Take a year to prepare from 1<sup>st</sup> ideas to submission dead line
- Connect to non-academic stakeholders
- Draft a “white paper” of potential contributions per topic you are interested in



# EU COLLABORATIVE FUNDING OPPORTUNITIES

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Relevant **H2020 calls** for Smart Industries research:

- [Digital Manufacturing Platforms for Connected Smart Factories](#) (DIH)
- [Open Innovation for collaborative production engineering](#) (FoF)
- [Security and resilience for collaborative manufacturing environments](#) (ICT)

# HORIZON EUROPE

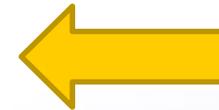
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- In preparation....



## What will Horizon Europe look like?

- Proposal expected on 6/7 June
- Three pillars
  - *Open science*
  - *Global Challenges and Industrial Competitiveness*
  - *Open Innovation*
- Missions for more impact
- *European Innovation Council* for the support for breakthrough innovation
  - *High Level Group*: strong focus on individual innovators
  - Pilot in 2018-2020 H2020: bringing together existing instruments

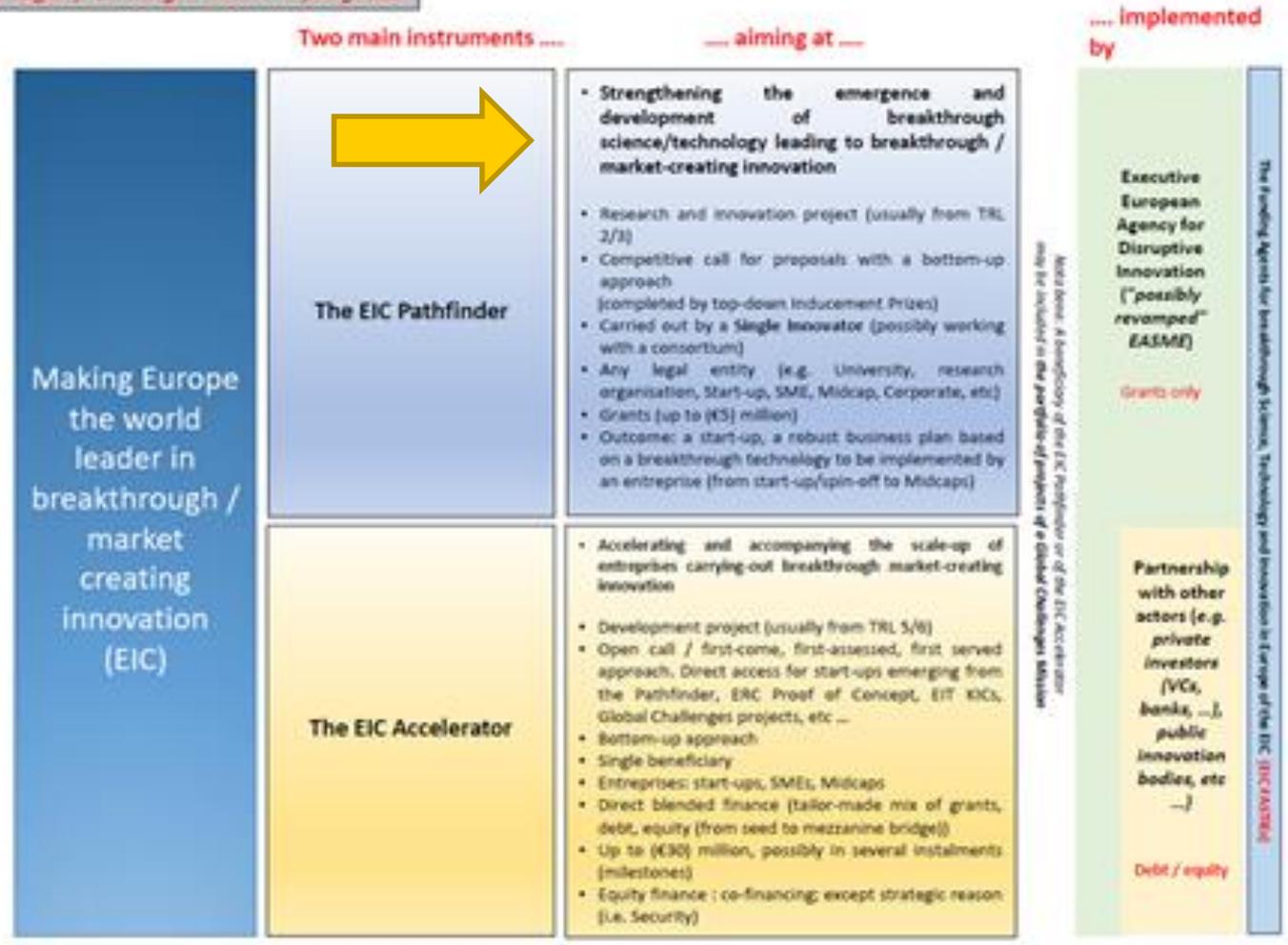


## Global Challenges: Areas of Intervention (current overview, work in progress)

| Health  | Inclusive Resilient and Secure Societies      | Digitising and Transforming Industry and Services | Climate, Energy and Mobility   | Natural Resources   |
|---|---|---|--|---|
| Environmental and Social Determinants of Health and Well-being  | Democracy                                     |   | Climate science  | Environmental Observations, Preservation and Restoration of Natural Capital |
| Health throughout the life course   | Cultural Heritage                             |   | Renewable and carbon-neutral energy production and integration in resilient energy systems and grids           | Producing sustainably from land in agriculture and forestry                 |
| Non-communicable diseases, including rare diseases  | Social, Economic and Cultural Transformations |   | Carbon neutral, resilient and smart cities and communities   | Sustainable Ocean Systems   |
| Infectious Diseases   | Disaster-Resilient Societies                  |   | Low carbon, energy efficient, competitive transport industries, products and infrastructures                   | Future-proofing food systems  |
| Data-driven digital transformation of health and care   | Protection and Security                       |   | Clean and healthy mobility   | Boosting Bio-based innovation systems                                       |
| Development, regulation and uptake of breakthrough, medical products, technologies and research tools |   |   | Smart, efficient, safe and resilient mobility systems for citizens and businesses                              | Resource efficient and circular systems with zero pollution                 |
| Health and Care Systems   |   |   | Energy storage solutions   | Linking and mobilizing citizens, actors and territories                     |
|   |   |   | Engaging and enabling citizens, consumer and market players to deploy innovative solutions for decarbonisation |   |



Not legally binding – Work in progress



- Mazzucato report: five criteria
- *Bold, inspirational with wide societal relevance*
  - *Relevance does not equate with popularity*
- *A clear direction: targeted, measurable and time-bound*
- *Ambitious but realistic R&I actions*
- *Cross-disciplinary, cross-sectoral and cross-actor innovation*
- *Multiple, bottom-up solutions*

- Widening participation
- International cooperation: association for UK??
- Open Science
- Partnerships: simplification
- Rules for participation





## OTHER FUNDING OPPORTUNITIES: NWO

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- Zwaartekracht (Gravitation)

Large projects, consortium of Dutch universities, linked to strengths of institution

- Cross over

Large projects, multidisciplinary approach/heterogeneous consortium, 50% co-financing

- NWA (National Science Agenda)

First round in 2018, > 50 M€ available this year

Contact Arend Zomer for more info ([a.h.zomer@utwente.nl](mailto:a.h.zomer@utwente.nl))



## OTHER FUNDING OPPORTUNITIES II

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### Internal @UT

- Connecting Industry call
- Impulse program

Funding connected to HTSM roadmap goals:

Challenges **life cycle management** and **business models** fit to BMS Smart Industries research

Contact Timo Meinders for more info ([v.t.meinders@utwente.nl](mailto:v.t.meinders@utwente.nl))

### Provincie Overijssel

- [EFRO OP Oost 2018](#) Smart industries 1 of the regional flagships

Contact Leontien Kalverda for more info ([l.kalverda@utwente.nl](mailto:l.kalverda@utwente.nl))



# RESEARCH PROFESSIONAL

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Still not found what you are looking for?

Try funding database Research Professional!

- UT wide subscription

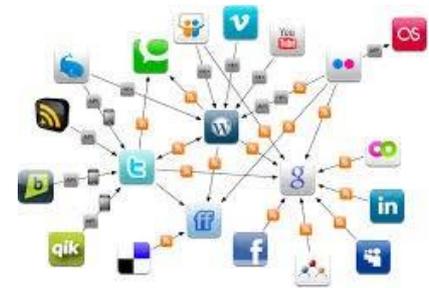


**Application support from EU Office available!**

# NETWORKING AND LOBBY

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- Spread ideas/research topics in community
- Link with existing activities + “applications” for society
- Visit network & social meetings
- Contact H2020 NCP NMBP/FoF  
Hans Bosch [hans.bosch@rvo.nl](mailto:hans.bosch@rvo.nl)
- Join relevant networks & communities



## NETWORKING AND LOBBY II

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- Join relevant [COST Actions](#) or platforms linked to the [Innovation Union](#)
- For example: European technology Platform [Manufuture](#) & [EFFRA](#)

**These platforms are consulted when new calls were created!!**



# POLICY FRAMEWORK

- Understanding the funding agency's agenda:
  - How do calls come to life?

Google “EU + “your research topic”

- Part of preparing for grant writing

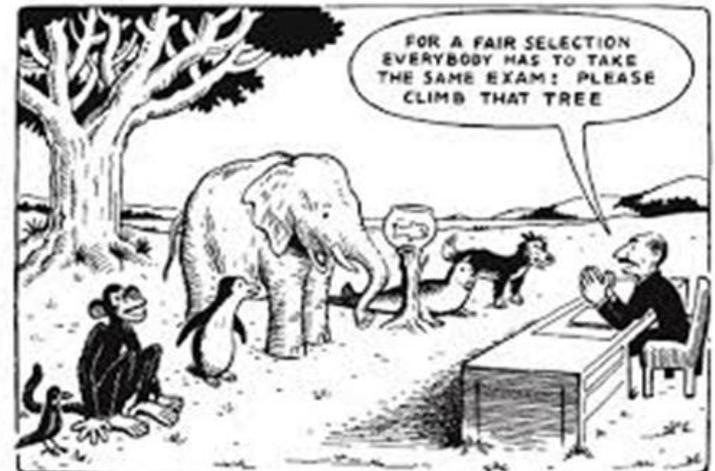
- Refer explicitly to certain policies of the funder in your proposal



# EVALUATION CRITERIA

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- Write your proposal according to the evaluation criteria, not simply follow guideline to applicants or/ and the proposal template
- Start paragraphs/sections by “answering” to the evaluation criteria



| Excellence  | Impact  | Quality and efficiency of implementation   |
|---|---|--|
| Clarity and pertinence of the objectives  | The expected impacts listed in the work programme under relevant topic  | Complementarity of the participants within the consortium  |
| Soundness of the concept, including trans-disciplinary considerations where relevant  | Enhancing innovation capacity and integration of new knowledge and strengthening the competitiveness and growth of companies by developing innovations meeting the needs of European and global markets; and, where relevant, by delivering such innovations to the markets | Appropriateness of the management structures and procedures, including risk and innovation management.                             |
| Extent that the proposed project is ambitious, has innovation potential and is beyond the state-of-the-art (groundbreaking objectives, novel concepts and approaches) | The effectiveness of the proposed measures to exploit and disseminate the project results   | Please note that the evaluators will also be asked to assess the operational capacity of applicants to carry out the proposed work |
|   | Any other environmental and socially important impacts  |  |

# IMPACT

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- How to write the impact section?
  - Address the most important **challenges** as described by the funding agency
  - Demonstrate **how relevant** your project is to the challenges of the funding agency
  - Iterate between Scientific proposal and Impact
  - Describe your strategies with regard to **dissemination, further research** and **exploitation**

# IMPACT, ON WHO?

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Address them all!



# QUESTIONS?

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Please contact me if any  
further questions arise!

Melanie Braamhaar

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