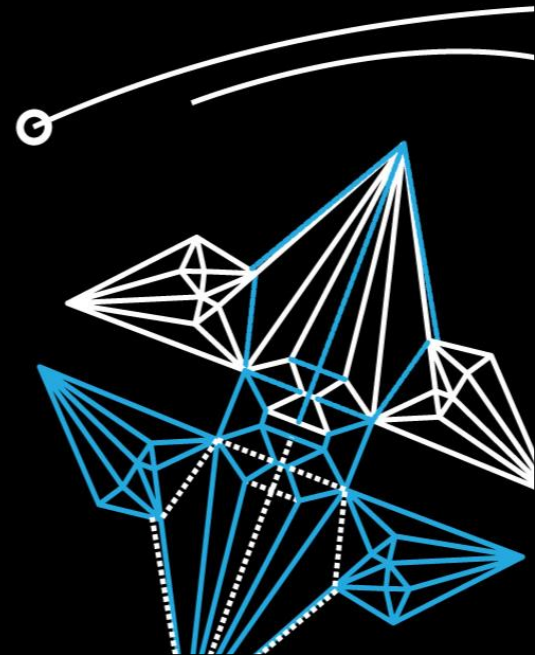
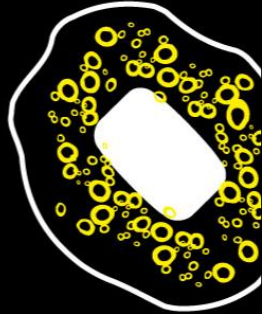


Funding opportunities for Smart Industries (Research)

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



CONTENT

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



ABOUT ME..



Melanie Braamhaar, MA

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)

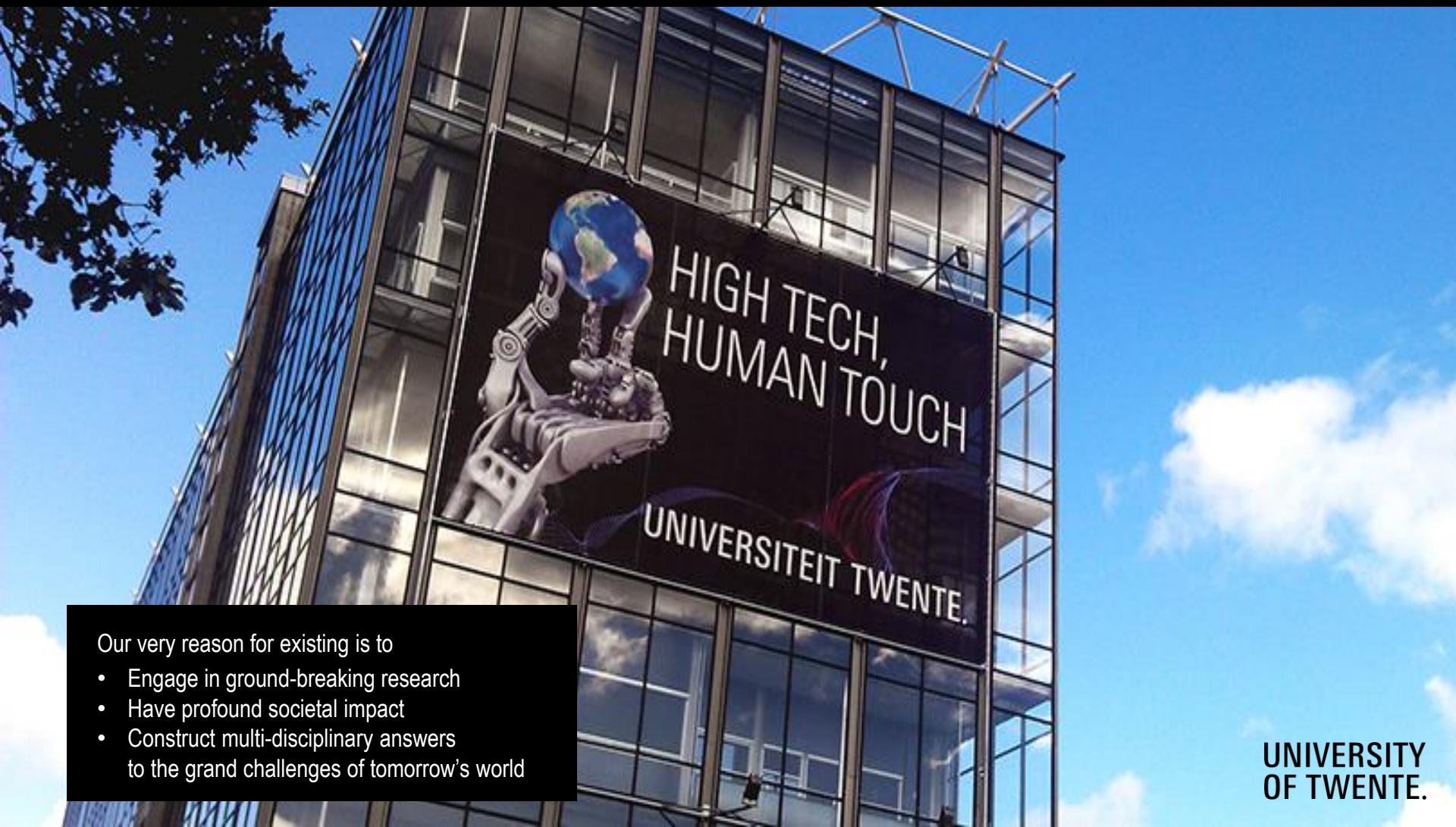
Main tasks: Supporting UT researchers in acquiring EU and other international funding, providing training courses on various funding instruments, expert on Horizon 2020 MSCA-programme conditions, acting as institutional Confidential Advisor (ancillary activity)

Business or sector **Higher Education**

EU-OFFICE AT THE UNIVERSITY OF TWENTE

- 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

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



Horizon 2020 Funding

Starting from 1/1/2014

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](#)

[HOME](#)

[FUNDING OPPORTUNITIES](#)

[HOW TO PARTICIPATE](#)

[EXPERTS](#)

[SUPPORT](#) ▼



[LOGIN](#)



[REGISTER](#)

EU Programmes 2014-2020

[Search Topics](#)

[Updates](#)



[Calls](#)



[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.

Cosme

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



FP7 & CIP Programmes 2007-2013

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 1st 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

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)

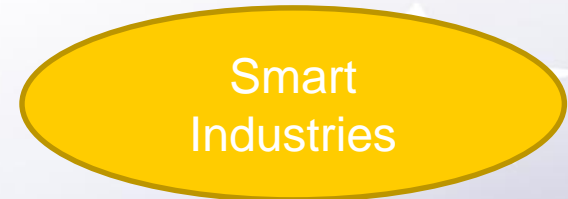
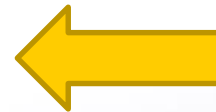
HORIZON EUROPE

- In preparation....



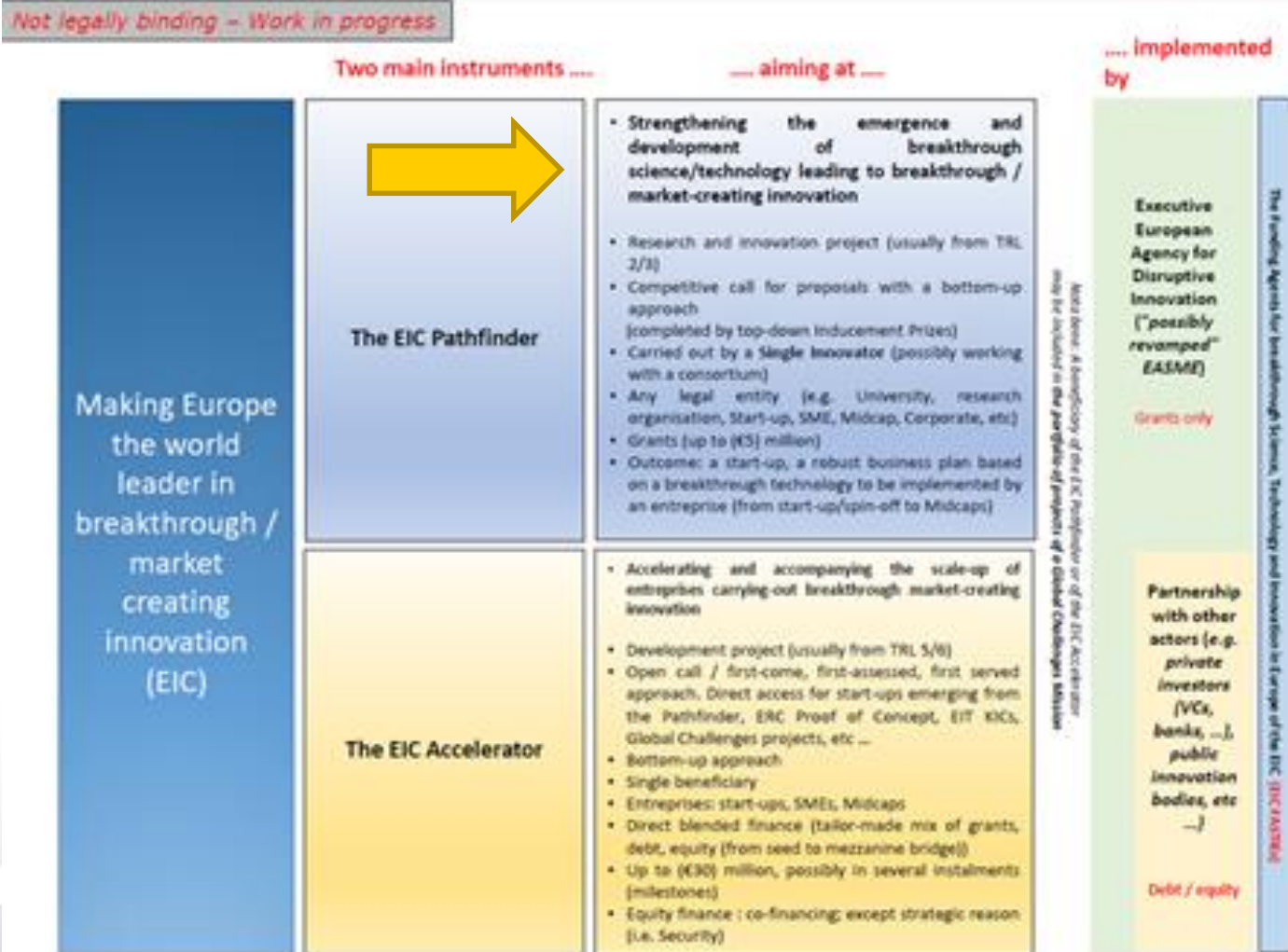
What will Horizon Europe look like?

- 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	



- 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

- 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)



OTHER FUNDING OPPORTUNITIES II

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)

Provincie Overijssel

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

Contact Leontien Kalverda for more info (l.kalverda@utwente.nl)



RESEARCH PROFESSIONAL

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

- 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
- Join relevant networks & communities



NETWORKING AND LOBBY II

- 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”

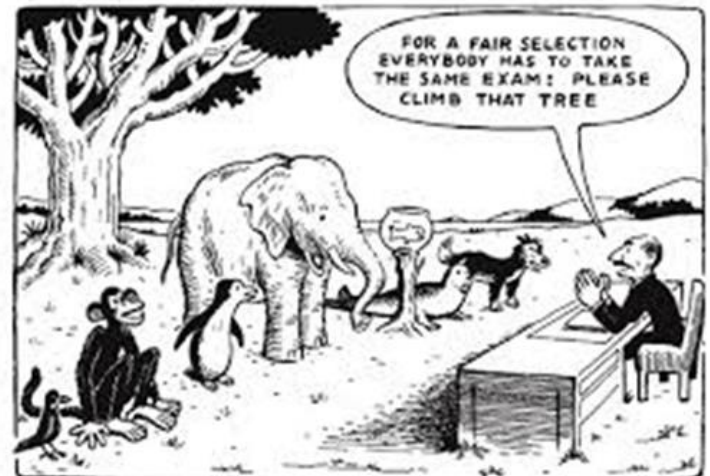
- Part of preparing for grant writing

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



EVALUATION CRITERIA

- 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

- 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?

Address them all!



QUESTIONS?

**Please contact me if any
further questions arise!**

Melanie Braamhaar

m.h.braamhaar@utwente.nl



+31 6 15 264 753

