

EU Funding Opportunities Horizon 2020

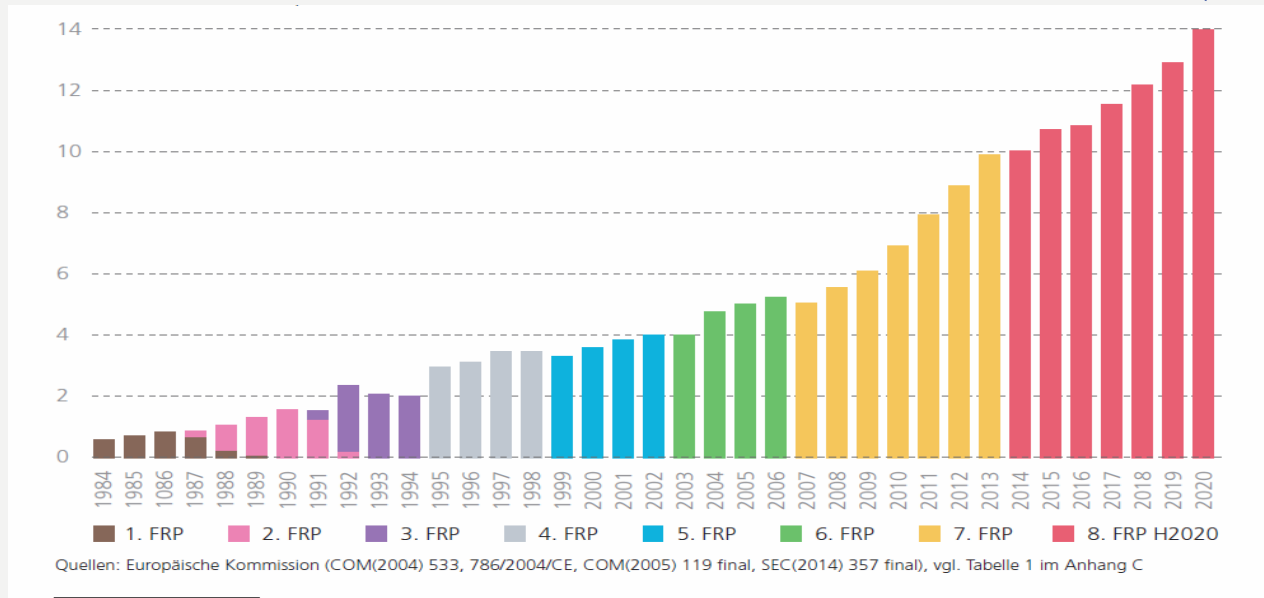
Brugg-Windisch, 4.12.2019

Francesco Kienzle, Horizon 2020 National Contact
Point ICT & FET

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Horizon 2020

Horizon 2020 - Last Call

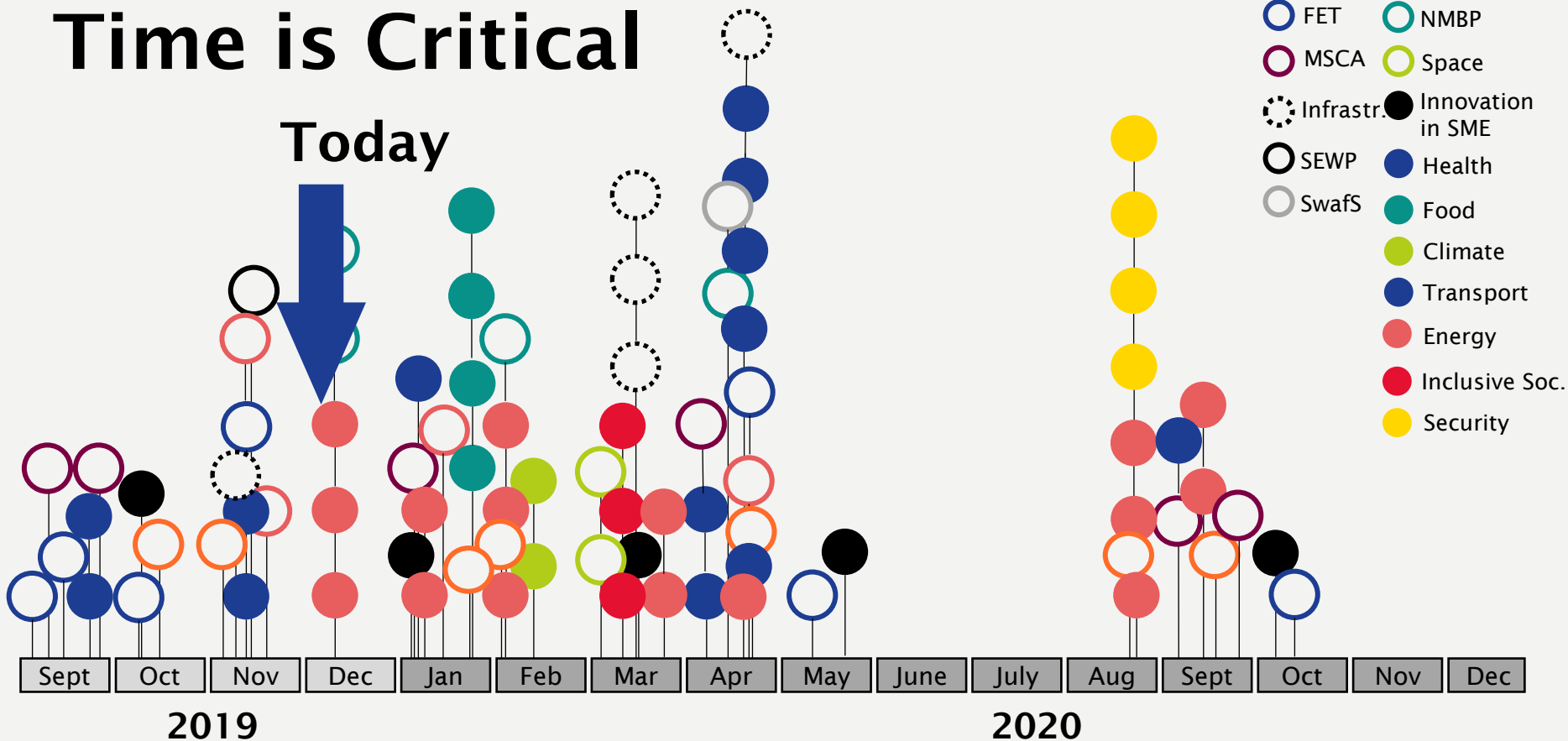


€14
billion
for
2020

Beteiligung der Schweiz an den Europäischen Forschungsrahmenprogrammen, SERI 20.09.2018: [link](#)

Time is Critical

Today



Why European Grants?

- **Fund** your Research, Development or Innovation (70 to 100%)
- Expand your **Network**
- **Access** to European R&D&I

What is funded?

Excellent Science

(EUR 24.4 bn)

European Research Council (ERC)
13.1 bn

Future and Emerging Technologies (FET)
EUR 2.7 bn

Marie Skłodowska-Curie Actions (MSCA)
EUR 6.1 bn

Research Infrastructures
EUR 2.5 bn

Industrial Leadership

(EUR 17 bn)

Leadership in Enabling and Industrial Technologies:
EUR 13.5 bn

NMBP:

- Nanotechnology
- Advanced Materials
- Biotechnology
- Manufacturing & Processing

ICT
Space

Access to risk finance
EUR 2.9 bn

Innovation in SME
EUR 0.6 bn

Societal Challenges

(EUR 29.7 bn)

Health (SC1)
EUR 7.5 bn

Food (SC2)
EUR 3.9 bn

Energy (SC3)
EUR 6 bn

Transport (SC4)
EUR 6.3 bn

Climate/Environment (SC5)
EUR 3 bn

Inclusive Societies (SC6)
EUR 1.3 bn

Security (SC7)
EUR 1.7 bn

Spreading Excellence and Widening Participation EUR 0.8 bn

Science with and for Society EUR 0.5 bn

Europ. Institute of Innovation and Technology (EIT) EUR 2.7 bn

Joint Research Centre (JRC)
EUR 1.9 bn

Euratom
EUR 1.6 bn

Photonic technologies [ICT-36-2020 & ICT-37-2020]

Scope

ICT-36-2020

- 3D light field and **holographic** displays
- **Packaging** and module **integration** for photonic integrated circuits (PIC)
- **Light to Fuel**
- Next generation **biophotonics** methods and devices as research tools to understand the **cellular** origin of diseases

Deadline: 22 April 2020

Type of action

RIA €3-6 million /proposal

Scope

ICT-37-2020

- **Flexible Farm-to-Fork Sensing**
- **Novel PIC Technology** building blocks
- **Smart Photonic Sensing for Environmental Pollution Detection**

Deadline: 22 April 2020

Type of action

IA/RIA €3-7 million /proposal

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Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling

MG-3-5-2020

- **Focus:** manufacturing, joining technologies, damage diagnostics of airframe and engine
- **Type of action:** RIA **Deadline:** 21 April 2020

Quality control in smart manufacturing

DT-FOF-11-2020

- **Focus:** intelligent, cognitive, adaptive and cost-effective instruments and systems of sensors/actuators for process monitoring and control
- **Type of action:** IA **Deadline:** 5 February 2020

Technologies for European non-dependence and competitiveness

SPACE-10-TEC-
2018-2020

- **Focus:** Fiber optic or photonic integrated technology gyro-based inertial measurement unit
- **Type of action:** IA **Deadline:** 5 March 2020

Horizon 2020 - The Lean Way



ACceleraTing PHotonics innovATion
for SME's: a one SToP-shop-incubator
<https://www.actphast.eu>



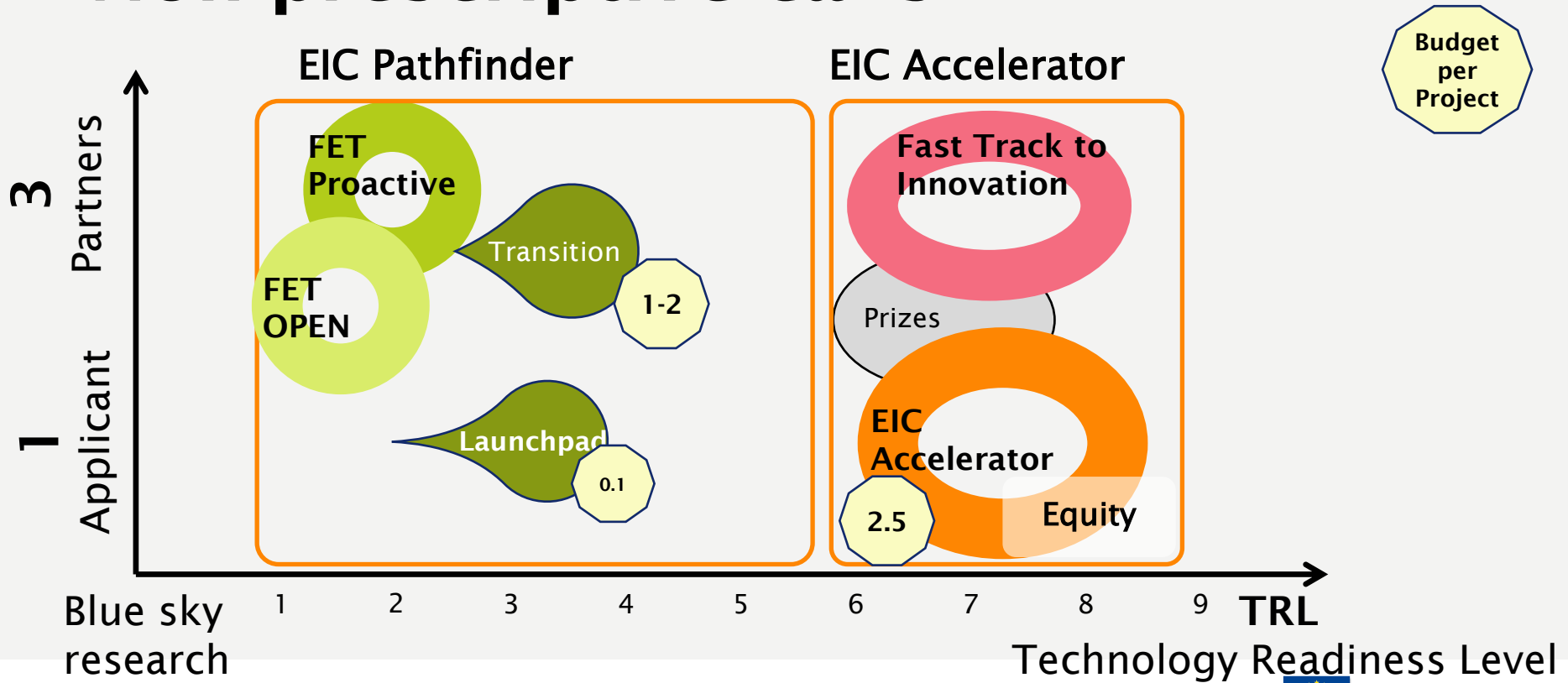
<https://pixapp.eu/>



<https://www.inpulse.jeppix.eu/>

Much more:
<https://www.photonics21.org/ppp-projects/>

Non-prescriptive calls





Next Steps?



Next Steps



😊 Still convinced? Contact **Euresearch!**

😊 Yes topic? read full text; How to address every aspect ?

😞 no topic? Use the keyword search and/or contact **Euresearch**

Version: 20 April 2019

Horizon 2020
Cross-Cutting Topic Preview 2020
Digitizing European Industry

Introduction

Topics on "Digitising European Industry" have been accepted to the following three categories:

1. Crosscutting Technologies
2. Integrating Technologies
3. Harmonising the European Ecosystem

Topics under these categories belong to the following Work Programmes:

| Work Programme | Contact Person | E-mail |
|---|--------------------|----------------------------------|
| European Digital Transition (EDT) | Francesca Kordecki | francesca.kordecki@euresearch.it |
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| Industrial Transition | Julia Groll | julia.groll@euresearch.it |
| Manufacturing, Innovation, Research, Digitalisation, Strategic and Technological and Innovation (MIRTS) | Corinna Gschwehler | corinna.gschwehler@euresearch.it |
| Manufacturing, Innovation, Research, Digitalisation, Strategic and Technological and Innovation (MIRTS) | Mathieu Whalen | mathieu.whelen@euresearch.it |
| Manufacturing, Innovation, Research, Digitalisation, Strategic and Technological and Innovation (MIRTS) | Luca Merga | luca.merga@euresearch.it |
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Consult



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 @FcoKienzle

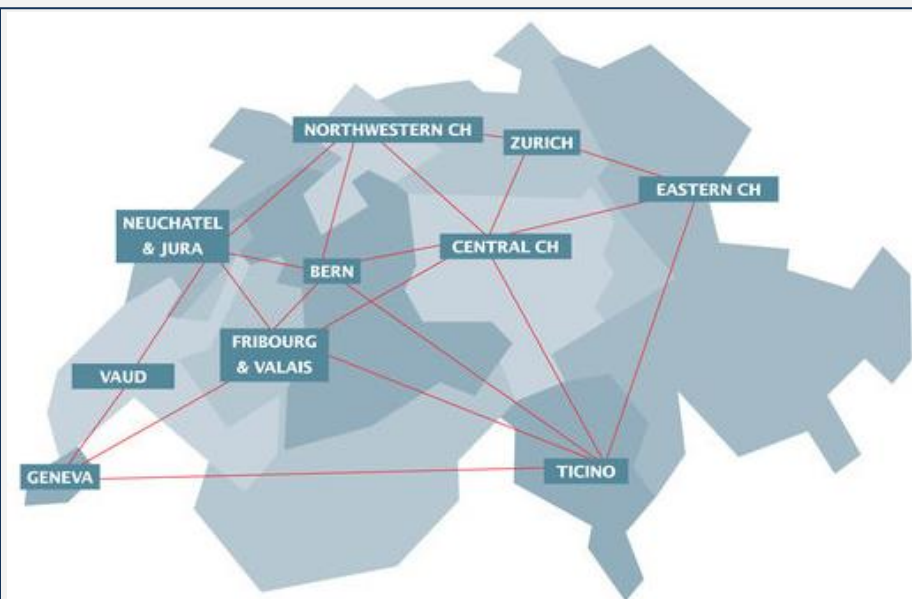


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