Horizon 2020 – Structure and themes

**I Excellent Science**
1. European Research Council (ERC)
2. Future and Emerging Technologies (*) (FET).
   a) Open
   b) Proactive
   c) Flagships
3. Marie Skłodowska-Curie (MSCA) – actions: training, career development and mobility for researchers
4. Research Infrastructures

**II Industrial Leadership**
1. Leadership in Enabling and Industrial Technologies
   1.1. ICT
   1.2. nanotechnology
   1.3. materials
   1.4. biotechnology
   1.5. manufacturing and processing
   1.6. space
2. Risk finance: loans & equity funding
3. Innovation in SMEs
4. EIC Pilot *) 2018 -> EIC Pilot Accelerator incl. SME instrument

**III Societal Challenges**
1. Health, demographic change and wellbeing
2. Food security, sustainable agriculture and forestry, marine, maritime and inland water research and bioeconomy
3. Secure, clean and efficient energy
4. Smart, green and integrated transport
5. Climate action, resource efficiency and raw materials
6. Europe in a changing world: inclusive, innovative and reflective societies
7. Secure societies – protecting freedom and security of Europe and its citizens

Several options for SME participation!

Science with and for society, Spreading excellence and widening participation

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<tr>
<th>Joint Research center JRC</th>
<th>European Institution of Innovation and Technology EIT</th>
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<td>Nuclear research EURATOM</td>
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EIC Accelerator Pilot (SME Instrument)

For SMEs with truly innovative product / service with significant commercial potential “European Champion League”

Only for-profit SMEs (individual SMEs)

For companies aiming at fast international growth

Innovation very close to commercialisation – not R&D funding!

Cut-off dates:
8.1.2020
18.3.2020
19.5.2020
7.10.2020

Technology Readiness Level (TRL) 6->

fully bottom up

Cut-off 4x/year
## Technology Readiness Level & Funding rates

### Horizon 2020 opportunities vs. national funding:
- Higher funding rates for industry
- Pre-payments
- Close to market activities funded with grants
- EIC Pilot Accelerator offers grant + equity option

### Basic principles observed

<table>
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<tr>
<th>RIA: 100 %</th>
<th>IA: 70 %</th>
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<td>1</td>
<td>2</td>
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<td>Basic principles observed</td>
<td>Concept Formulated</td>
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**New:** Equity option!

### BF näkemys
- Tutkimuksellisen työn osuus 100-60%
- Tutkimuksellisen työn osuus 50-0%
- Myynti, jakelu
SME Instrument – what?

Activities:
• Development, prototyping, testing
• Piloting innovative processes, products and services
• Miniaturisation/design of products
• Planning & developing scaling-up (market segments, process etc.)
• Market replication

Grant: 0.5 to 2.5 M€ grant ~12 to 24 months
Equity: up to 15 M€ (new!)

Evaluation criteria:
• Impact 33%
• Excellence 33%
• Quality and Efficiency of Implementation 33%
Accelerator Pilot
Step-by-step

1. Submission of Proposals
2. Remote Evaluation
3. Ranking of Proposals
4. Interview
5. Grant Agreement

In case of blended finance option:
- Due Diligence
- Equity Investment
EIC PILOT - FAST TRACK TO INNOVATION

ESSENCE AND OBJECTIVES

“Innovation is fostered when new ideas can emerge and easily translate into socioeconomic value, shaping new markets and laying the foundations of a stronger, high-tech industrial base for Europe.” (From the EIC work program, P. 23)

The Fast Track to Innovation program funds breakthrough innovation projects, in small industrial consortiums (3-5 participants). This program helps to accelerate the market up-take of projects, by providing funding to innovative ideas and co-creation, for all types of entities, in different sizes and across Europe.

The FTI scheme targets relatively mature technologies, processes and business models, which need final development and a "last push". It supports actions undertaking innovation from the demonstration stage towards market uptake (no more than a 3 year time frame). Eligible actions could be: piloting, test-beds, systems validation in real-world working conditions, validations of business models, pre-normative research, standard-setting, etc.
CALL CONDITIONS FOR FTI

- A **consortium** must consist of 3-5 participants and must be from at least three different states of the EU or Associated Countries. Participants are legal entities, minimum 3 from 3 different countries, **independent of each other** (see the definition independence in the rules of participation, article 8).

- **Industry** involvement is mandatory:
  - Allocation of at least **60%** overall budget to industry; or
  - **Min. 2** industry partners out of a consortium of 3-4; or
  - **Min. 3** industry partners out of a consortium of 5

- All subjects are eligible for submission (it is a ‘**bottom-up**’ scheme).

- Maximum grant per consortium from **1 to 3 million Euros**.

- All consortium members established in EU Member States or in **associated countries** to Horizon 2020.

- **Technology Readiness Level** (TRL) is at least **TRL 6** (or similar phase of development in non-technological innovation). That means a demonstrator of the innovation is available and works in a “real life” environment.

- The intention is to bring the TRL up to level 8 (system complete) and to start commercialization within three years from the beginning of the project.
EIC - Smart Money

Funding

Global Business Coaching & Mentoring

Business Acceleration Services
NCP* apunasi

- Kerromme hauista ja niiden sisällöstä
- Autamme hakuprosessissa
- Luemme ja kommentoimme hakemuksia
- Järjestämme haastattelukoulutuksia
- Seuraamme suomalaisten osallistumistilastoja
- Hyödynnämme työssä omia Brysselin-verkostojamme

*National Contact Point (NCP) = kansallinen yhteyshenkilö
Muita tiedonlähteitä

- **Business Finland: H2020 pk-yritysrahoitus**

- **EASME: Enhanced European Innovation Council (EIC) Pilot**

Kansalliset pk-yritysten yhteyshenkilöt NCP:t

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