A distinct challenge...

'Horizon 2020 has potential in terms of generating breakthrough, market-creating innovation, although such support can be strengthened substantially'.

Share of young leading R&D firms ("yollies", started in 1975 or later) – Europe lags behind!
But unicorns in the US and Asia are bigger ... and more

Les 217 « licornes » en 2017, en milliards de dollars (start-up valorisées à plus de 1 milliard)

Les 10 plus grosses licornes sont valorisées environ 303,3 milliards de dollars (41 % de l’ensemble)

Source : CB Insights.
EIC: more breakthrough innovations and high-growth companies

Focus on people and companies with ideas for:

- **Radically new**, breakthrough products, services, processes or business models
- That **open up new markets** with the potential for rapid **European and global-scale growth** (high risk, need for significant investment)
- Take shape at the **intersection** between different technologies, industry sectors and scientific disciplines
Market-creating innovations?
some eye-catchers based on WIPO, MIT, WEF, OECD, Harford, etc.

- past
- future?
  - electricity
  - car
  - airplane
  - antibiotics
  - container
  - semi-conductors
  - barcode
  - smart phone
  - PC
  - internet
  - internet of things
  - social media
  - GPS
  - digital platforms
  - artificial intelligence
  - liquid biopsies
  - 3-D printing
  - autonomous vehicles
  - the cloud
  - CRISPR-cas
  - new batteries
  - quantum computing
  - gene therapy
  - hydrogen
  - graphene
  - ?
Comprehensive scheme

- Ecosystem support: Coaching, mentoring and business acceleration services for all SMEs

Visionary Idea
- Test & Co-create
- Feasibility Start-up
- Development
- Scale-up Investment

- EIC Horizon Prizes
  - Innovative Batteries for eVehicles
  - Fuel from the Sun: Artificial Photosynthesis
  - Early Warning for Epidemics
  - Blockchains for Social Good
  - Low-Cost Space Launch
  - Affordable High-Tech for Humanitarian Aid

- FET OPEN
  - Future Emerging Technologies
  - € 715 million
  - 340 projects

- SME-Instrument Phase-1
  - € 300 million
  - 3,900 projects

- SME-Instrument Phase-2
  - Under construction

- Soft Blending

- € 1.6 billion
  - 3,900 projects

- € 40 million

Research and Innovation
EIC pilot 2018-2020 budgets (€ 2.7 b)

- **FET Open**
- **FTI**
- **SME Instr**
- **prizes**

<table>
<thead>
<tr>
<th>Year</th>
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<th>FTI</th>
<th>SME Instr</th>
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€ million
Website

- Cleaner interface
- Wizard guides you to the calls on the PP
- Success stories
SME instrument – EIC Novelties

• The submission forms speak (even more!) business language now

• A larger pool of evaluators with technology and financial/commercial background

• The evaluation criteria stress potential for market-creating innovation

• Fully bottom-up: no predefined topics

• Phase 2:
  • Quality threshold raised to 13
  • Interview by jury in second step

• Coaching and phase 3 extended to FET Open / FTI SME grant holders
SME instrument Phase 2 selection in two steps with interviews

Responsibility
- Applicants
- H2020 Evaluation team
- Experts
Support services to SME grant holders extended

**Coaching**
- Business and organisational development, cooperation, **financing**
- Facilitated by the Enterprise Europe Network (EEN)

**Mentoring**
- Aims to develop **leadership skills** – resilience, tenacity and strategic insight
- Individual founders, CEOs and leaders are eligible
- **One-to-one meetings** with mentors (CEOs of scale ups)
- Initially mentors drawn from pool of SMEi Phase 2 clients

**Business Acceleration Services**
- Tailored made for companies' needs
- Investor's events, online matchmaking, overseas trade fairs, etc
Assessing the progress of the EIC projects

- In 2018-2020: 1,000 projects plus 3,000 feasibility studies
- These projects will be assessed on their progress and results
- EEN – the Key Account Managers will be invited to help with that
- The Innovation Radar will be used (a web-based questionnaire)
For further information

EIC website

Participant Portal

EASME website

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