European Commission

FET Innovation Launchpad

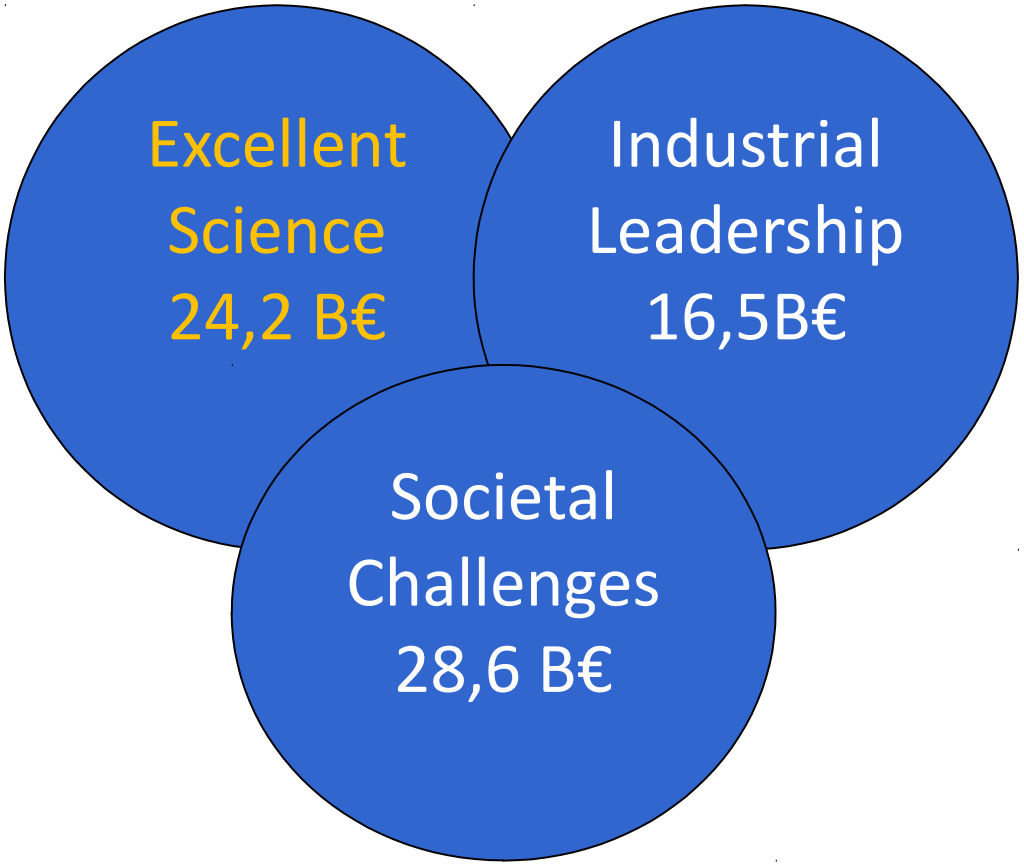
Innovation :
New visions, not just new technologies

TII 2016 annual conference
27-29 September, Barcelona

Raquel FERNANDEZ HORCAJADA
Unit A5 – Fostering Novel Ideas: FET-Open
Research Executive Agency

Research Executive Agency

H2020 Budget: 74,8 B€



FET in Horizon 2020

*The pillar aims to **reinforce** and **extend** the excellence of the Union's **science base** and to **consolidate the ERA** in order to make the Union's research and innovation system more competitive on a global scale.*

Excellent Science pillar in H2020

- European Research Council (13,1B€)
- Marie Skłodowska-Curie actions (6,2B€)
- **Future and Emerging Technologies**
- Research infrastructures programme (2,4B€)

FET: 2,6 B€

FET WP2016-17, structure

- FET-Open – novel ideas for radically new technologies :
  - FET-Open RIA (cut off: 11/05/2016)
  - FET Open CSA (2016 and 2017)
  - **FET-Innovation Launchpad**

FETOPEN-04-2016-2017

NEW

- FET Proactive – boosting emerging technologies
  - FET-Proactive emerging themes and communities 04/2016
  - FET ERANET Cofund 01/2017
  - FET ERANET Cofund in Quantum Technologies
- FET Proactive – High Performance Computing
  - Co-design of HPC systems and applications
  - Transition to Exascale Computing
  - Exasale HPC ecosystem development
- FET Flagships – tackling grand interdisciplinary science and technology challenges
  - Partnering environment for FET Flagships
- Other Actions
  - FET Flagship Core Projects (within FPA)

FET mission

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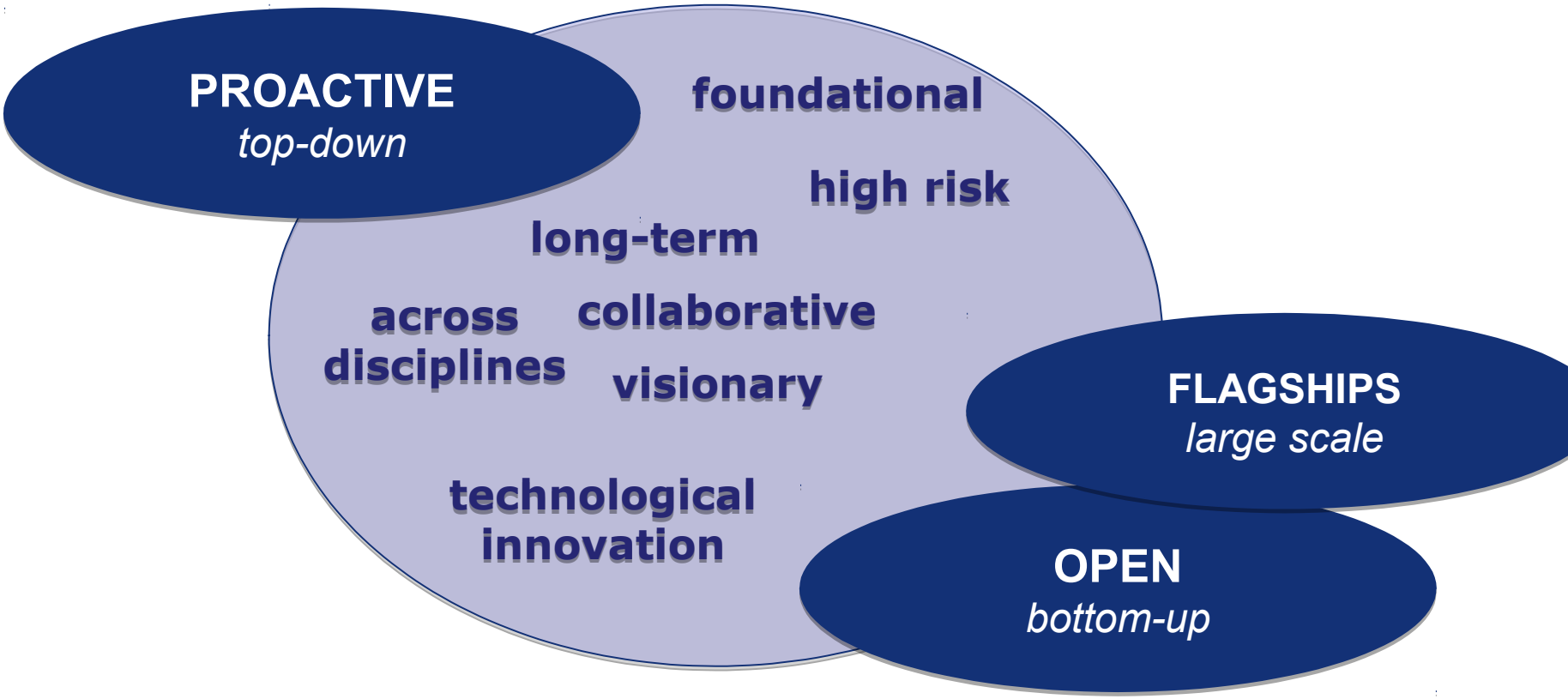
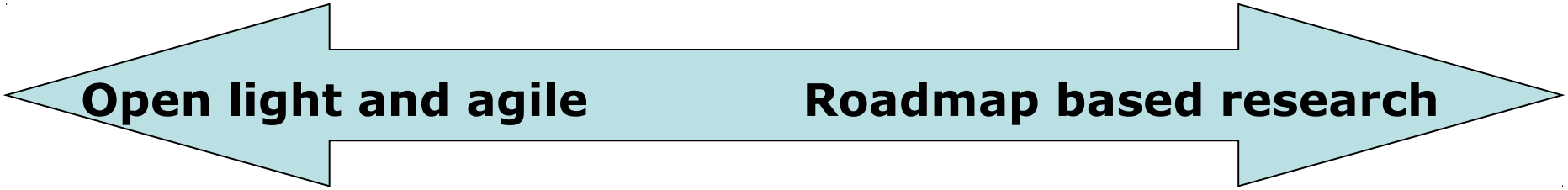
FET

Different initiatives with shared values





FET-Open

Early Ideas

Individual research projects

Exploring novel ideas

FET Proactive

Exploration and Incubation

Critical mass making a case

Developing topics & communities

FET Flagships

Large-Scale Partnering Initiatives

Common research agenda

Addressing grand challenges

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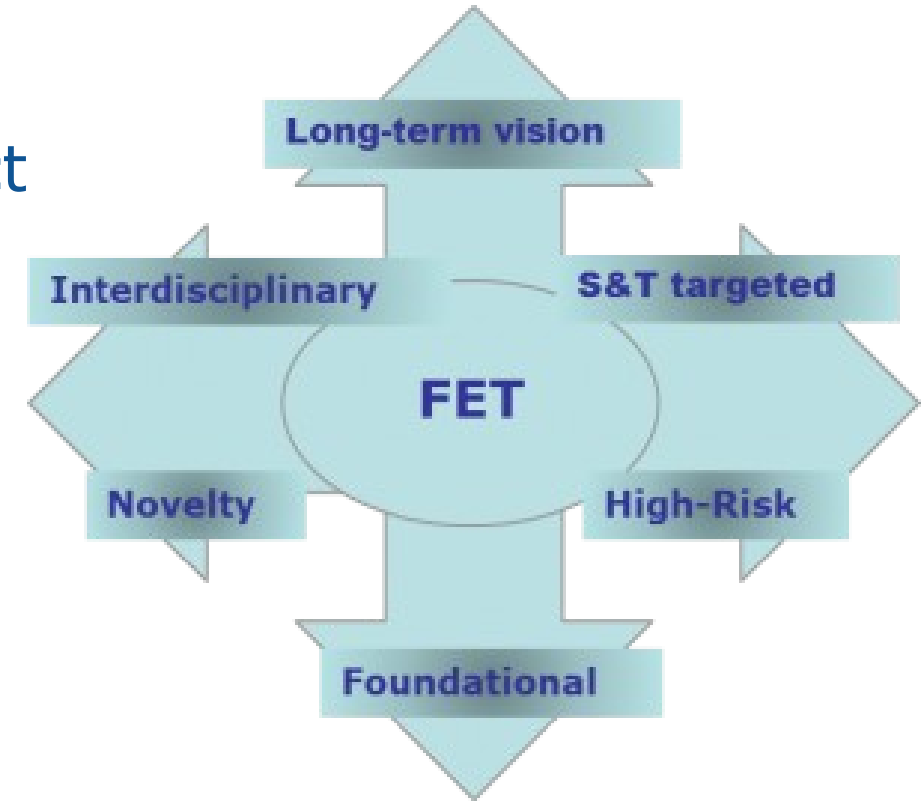
"FET-Open is open!"

- **No thematic restriction**, no emphasis on any subject
- Successful FET project result is a **proof of a concept in a lab**



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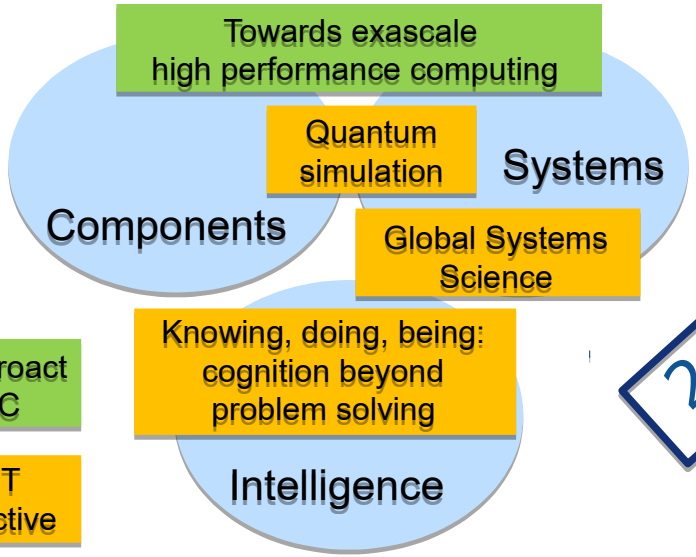
FET Proactive Initiatives: H2020

WP2018-2019
Public consultation

WP2016-2017
10 subtopics in
4 areas

WP2014-2015



FET Proact HPC

FET Proactive

2014 - H2020 - 2020

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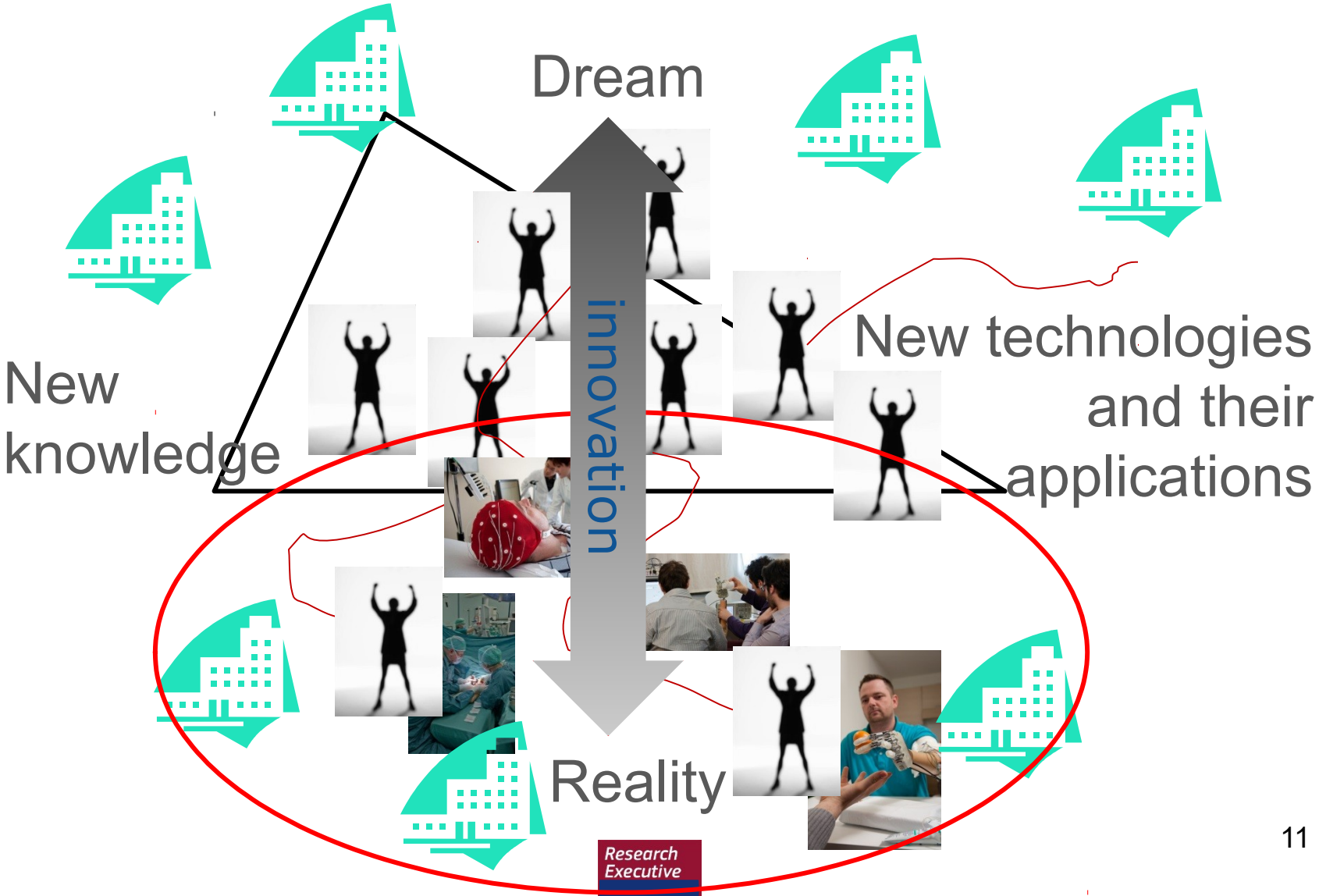
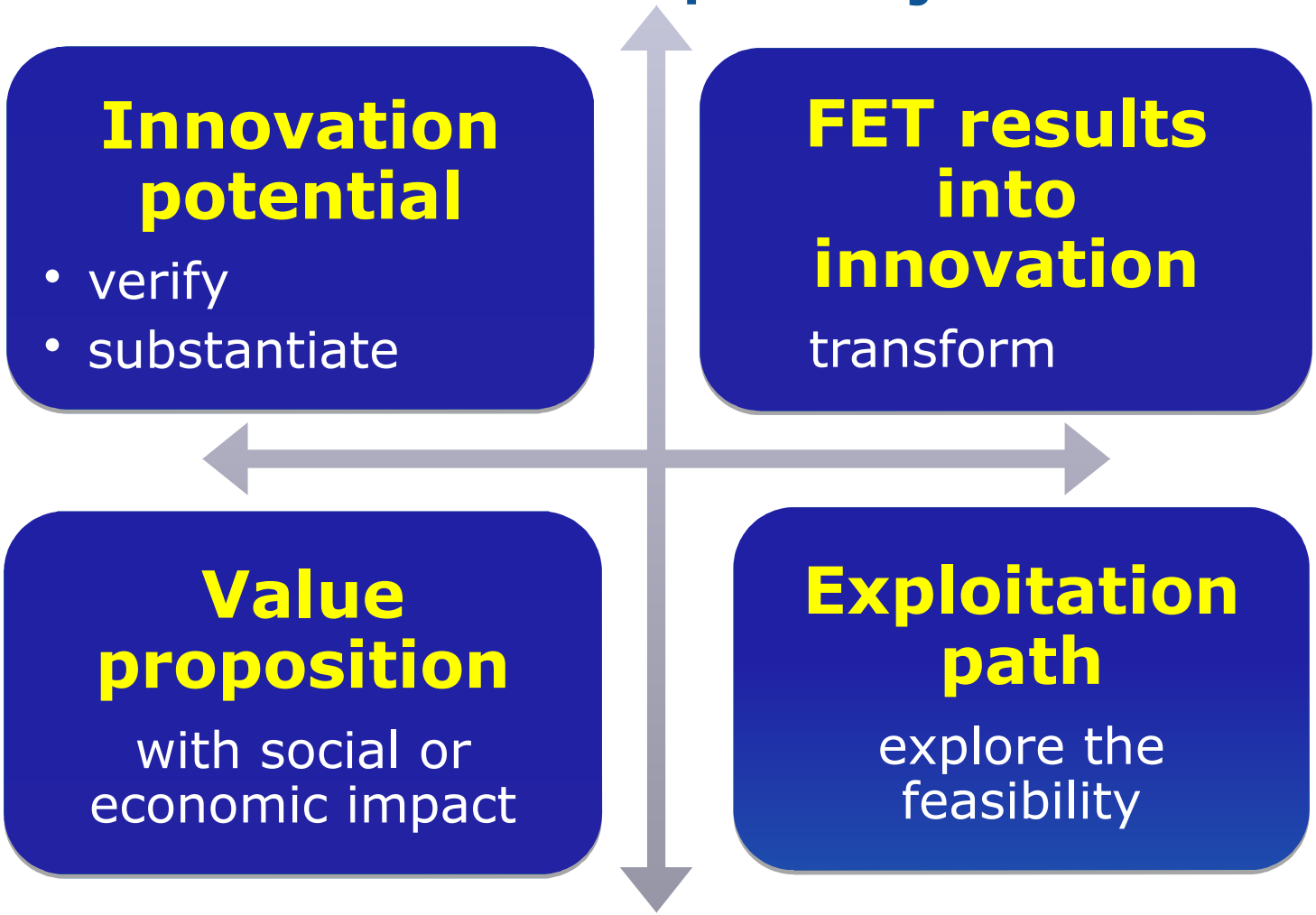
FET Innovation Launchpad

TOPIC :	**FET Innovation Launchpad**
Topic identifier:	**FETOPEN-04-2016-2017**
Types of action:	**CSA Coordination and support action**
Opening date:	**01 March 2016**
Cut-off dates:	**29 September 2016 (1,2 M €) 17:00:00** **27 September 2017 (1,8 M €**) **17:00:00** **Time Zone : (Brussels time)**
EU funding contribution:	**Max. 0,1 M € - 100% funding**
Project duration :	**approx. 18 months**

Shifting mindset
Shifting ecosystem from 'R' to 'I'



FET Innovation Launchpad: Objectives



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FET-Open Innovation Launchpad Scope

- **No prescribed actions but 'fitness for purpose', for example**
  - the definition of a commercialisation process to be followed,
  - market and competitiveness analysis,
  - technology assessment,
  - consolidation of intellectual property rights and strategy,
  - scenario and business case development,
  - developing contacts and support relevant activities with for instance, industrial transfer partners, potential licence-takers, investors, societal organisations or potential end users

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Expected Impacts

- **Increased innovation potential from FET projects** (is there evidence that the chance of succeeding will be increased through this action?)
- **Creation of concrete innovations (start-up or otherwise)** (concreteness of the innovation idea to move closer to market than in the originating project)
- **Stimulating entrepreneurial mindset in FET research world** (is this providing a strong role model for going beyond the research world)
- **Seeding growth and the creation of jobs** (is there a credible pathway presented towards growth and jobs)

Composition of proposals

Part A: Administrative part of the proposal

Part B : Technical part of the proposal

- 8 pages – core proposal
  - Cover page
  - **Section 1**: Excellence
  - **Section 2**: Impact
  - **Section 3:** Implementation
- Additional information
  - **Section 4**: Members of the consortium
    - E.g. legal entity, CV, subcontract, third party
  - **Section 5**: Ethics and Security
    - Ethics self-assessment & supporting documents
    - Security checklist
    - Annex to upload : Declaration of ownership and/or letter of confirmation

Cover page strictly limited to 1 page

Section 1,2 & 3 are strictly limited to 7 pages!

Section 4 & 5 are not covered by the page limit.

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Composition of proposals

Additional information

- A **declaration** by the coordinator or the sole applicant of the necessary rights and ownership of results to be exploited

- For applicants that are **not** the owner of the result to be taken up in the proposal:
  - letter from the relevant beneficiary or beneficiaries of the previous FET project that own(s) the result, that confirms the existence of the necessary agreements with the coordinator of the current proposal, including on IPR

FET-Open Coordination and Support Actions (CSAs)

Scope

- FET Communication – visibility and outreach
- FET Exchange – networking in future and emerging R&I areas
- FET Conference – 2018
- FET Innovation Greenhouse – capacity for facilitating earliest stages of innovation from FET research

EU contribution for each CSA of between up to 0.5 million , 100 % funding rate

NEW

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FET-Open CSAs

FET Communication – visibility and outreach

- raising the **visibility and impact of FET** for reaching out to **various stakeholders** and well **beyond the research communities**

TO catalogue?

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FET-Open CSAs

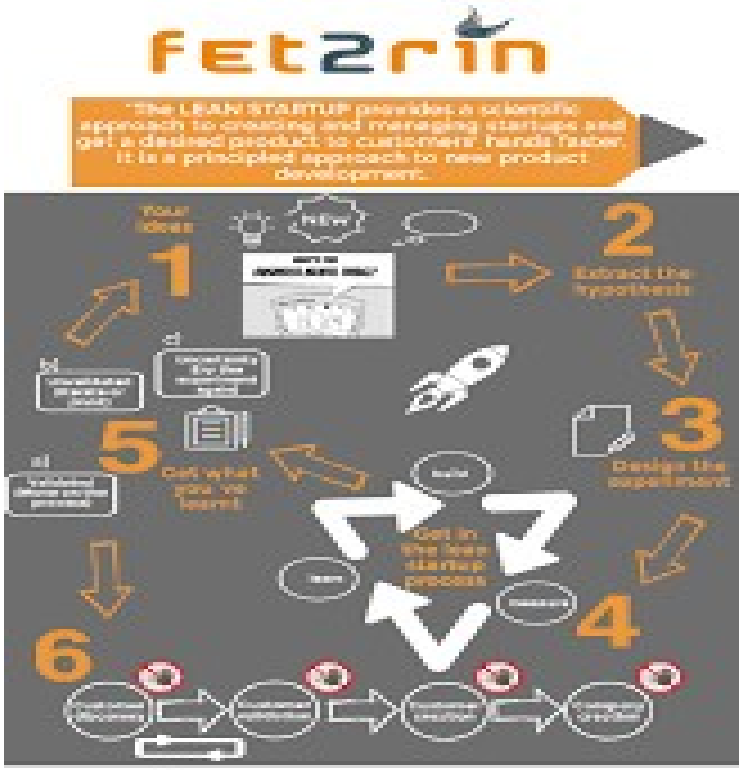
FET Exchange

- research **roadmapping**
- learning and **exchange**
- expanding the **range** of disciplines
- involving **new actors** (young researchers, entrepreneurs and high-tech SMEs, and broadening stakeholder engagement)
- alternative **metrics** to assess research outputs and researchers.

FET Innovation Greenhouse CSA for FET projects

- increase **capacity** for innovation, exploitation and entrepreneurship
- **bridge the gap** between FET research and its application in industry and for society
- provide exploratory, risk-friendly and tailored innovation **support**
- wide technological scope, **strong specificity to FET** and complementarity with existing innovation initiatives
- welcomes **support to the actions funded under the FET Innovation Launchpad** and for networking and exchange among them

FET2RIN project (CSA Take up)



- deliver **workshops and coaching sessions** to facilitate the take up of FET projects results
- help overcoming obstacles related to market outreach and **accessing** business leaders , including **enterpreneurs** and i**nvestors**
- based on the **Lean start up** methodology

Research & innovation

Innovation

Financing

- SME Instrument
- Horizon Prizes
- The Innovation Radar
- Innovation Vouchers

Procurement

Standardisation

ICT Innovation in Horizon 2020

EU Funded Projects

Public Engagement

Digital Infrastructures

The Innovation Radar

Article | Latest | Blogs

The Innovation Radar is an initiative supported by the European Commission focussing on the identification of high potential innovations and the key innovators behind them in FP7, CIP and Horizon 2020 projects.

What is the Innovation radar?

The Innovation Radar supports innovators by suggesting a range of targeted actions to assist them in fulfilling their potential in the market. It is an initiative that involves:

- **Assessing** the maturity of innovations developed within the FP7 and H2020 projects and identifying high potential innovators and innovations (using a model developed by JRC-IPTS)

Share

Building on FET interdisciplinary research

Restored real-time sensory feeling

biorobotic prosthesis

algorithms and software

implant surgery

clinical and neurophysical protocols

Nebias-Project.eu

CYBERHAND

Neurobotics

From science to future technologies

Starlab

enobio

starstim

neuroelectrics

hiVE

HYPER INTERACTION VIABILITY EXPERIMENTS

InSphero in a Nutshell

insphero

3 years ago

- HQ in Switze
- 20+ employees (Switzerland/US)
- Working with 7 out of the top 10 pharma companies

BoC

Today

- HQ in Switzerland
- Office and laboratory in the US (Brunswick, Maine) and office Germany
- 40+ employees (Switzerland/US)
- Working with 15 out of the top15 pharma companies
- PerkinElmer distributes IS technology

TOP 100 WINNER

EUROPEAN LIFE SCIENCE AWARDS

ACES

www.insphero.com | Final Review Meeting BoC | 14.09.2015 | Brussels | CONFIDENTIAL 8

Innovation: FET can do it!

Thank you for your attention!

REA-FET-Innovation@ec.europa.eu

FET Innovation Launchpad :
http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/2230-fetopen-04-2016-2017.html

FET Work Programme call text :
http://ec.europa.eu/research/participants/data/ref/h2020/wp/2016_2017/main/h2020-wp1617-fet_en.pdf

Frequently asked questions FAQ
http://ec.europa.eu/research/participants/portal/desktop/en/support/f

innovation
FET
research
exploitation
project
potential
activities
relevant
economic
result
specific
topic
actions
support
addressed
projects
funded
results
early
opportunities
call
supporting
social
taken
focused
societal
path
proposals
towards
fund
new
right