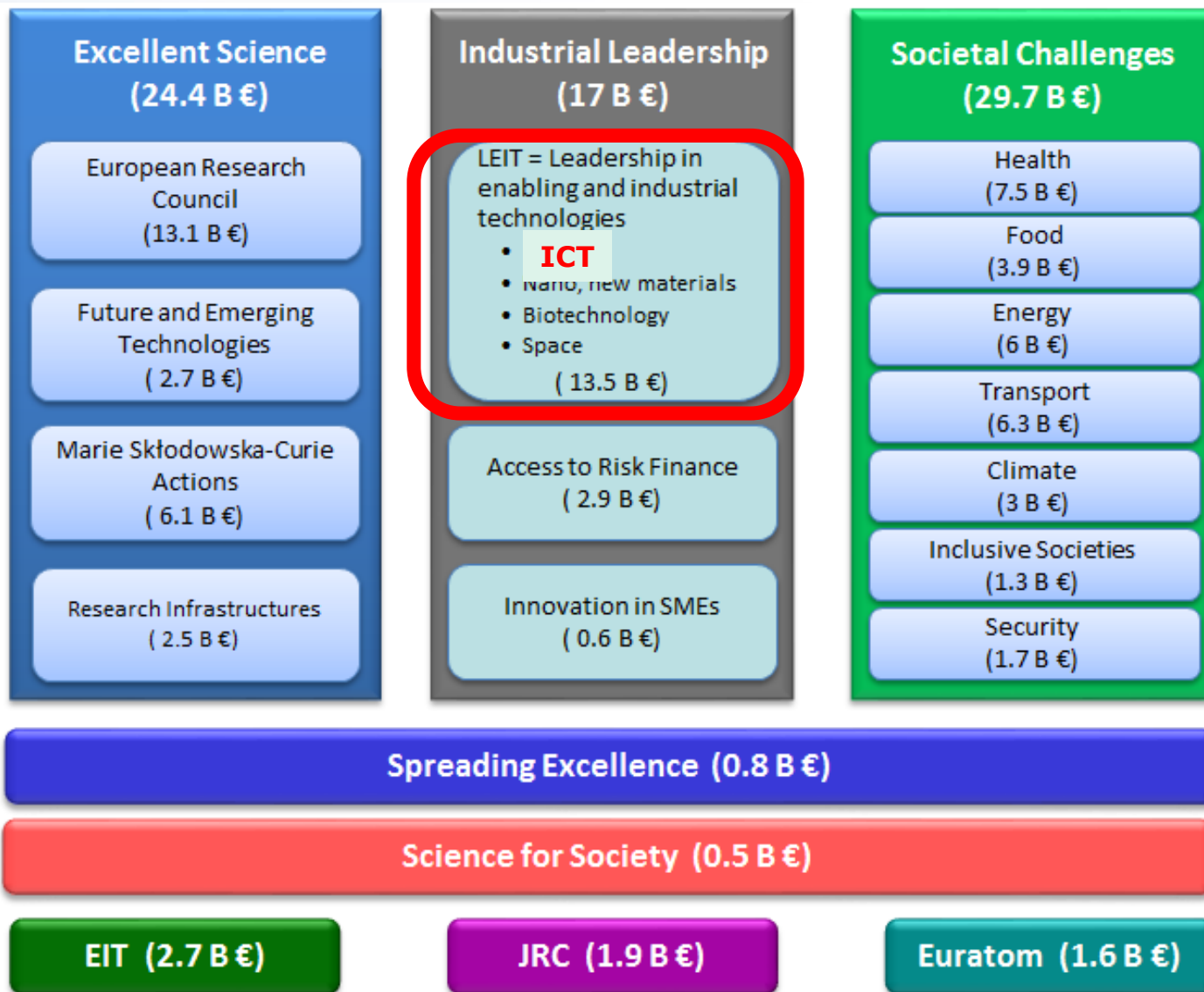


THE FRAMEWORK PROGRAMME FOR RESEARCH AND INNOVATION

HORIZON 2020

Robotics funding opportunities in 2017



Excellent Science (24.4 B €)

- European Research Council (13.1 B €)
- Future and Emerging Technologies (2.7 B €)
- Marie Skłodowska-Curie Actions (6.1 B €)
- Research Infrastructures (2.5 B €)

Industrial Leadership (17 B €)

LEIT = Leadership in enabling and industrial technologies

ICT

- nano, IT
- Biotechnologies
- Space

(13.5 B €)

Access to Risk Finance (2.9 B €)

Innovation in SMEs (0.6 B €)

Science and Innovation (10 B €)

1. Components and systems
2. Next generation computing
3. Future Internet
4. Content technologies and information management
- 5. ROBOTICS ICT**
6. Key Enabling Technologies

Call 3 (72 M€)

Call 4 (85M€)

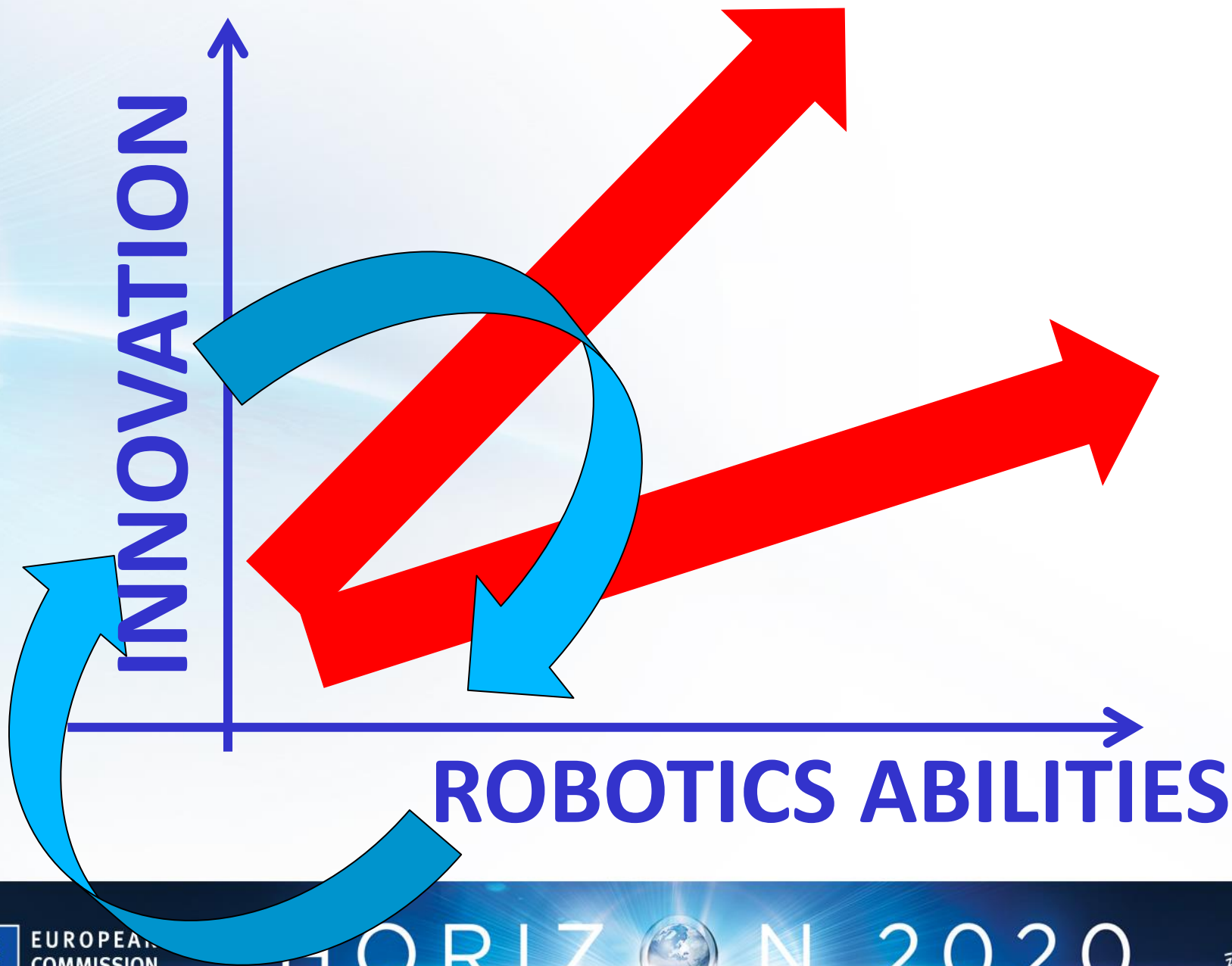
Spreading Excellence (0.8 B €)

Science for Society (0.5 B €)

EIT (2.7 B €)

JRC (1.9 B €)

Euratom (1.6 B €)



4th Robotics and Autonomous Systems H2020 Call Closing: 25-4-2017

ICT 25-2017: Advanced robot capabilities research and take-up

ICT 27-2017: System abilities, SME & benchmarking actions, safety certification

ICT 28-2017: Robotics competition, coordination and support

4rth Robotics Call in H2020 (closing: 25-4-2017)

ICT 25-2017: Advanced robot capabilities research and take-up

RIA	15M€	a) Open, generic research
		b) Technical capabilities: Systems development, HRI, mechatronics, perception, navigation and cognition
IA	19M€	c) End User driven application development
		d) Filling technology / regulatory gaps

ICT 27-2017: System abilities, SME & benchmarking actions, safety certification

ICT 28-2017: Robotics competition, coordination and support

H2020 – ICT-25-2017

Advanced robot capabilities research and take-up

RIA

25.a

Open, Generic, All
topics and disciplines
2 – 4 M€

25.b Step Change
Systems development
HRI, Mechatronics
Perception, Navigation
and Cognition
2 – 4 M€

15M€

IA

25.c

Open, End user-driven
applications,
development >TRL5
2 – 4 M€

25.d

End-user driven: Filling
techno./regulatory gaps
2 – 4 M€

19 M€

2017

14/12/2016

25/04/2017

4rth Robotics Call in H2020 (closing: 25-4-2017)

ICT 25-2017: Advanced robot capabilities research and take-up

ICT 27-2017: System abilities, SME & benchmarking actions, safety certification

RIA	28M€	a) System Abilities: Perception ability, decisional autonomy, increasing dependability levels, self-verifying behaviour
		b) SME-based research and benchmarks
IA	11M€	c) Shared facilities for safety certification
PcP	7M€	d) Pre-commercial procurement: smart cities

ICT 28-2017: Robotics competition, coordination and support

H2020 – ICT-27-2017

System abilities, SME & benchmarking actions, safety certification



* Priorities listed in the call text

H2020 – ICT-27-2017

System abilities, SME & benchmarking actions, safety certification

RIA

27.a

Actions on prioritized system abilities

2 – 4 M€

27.b

1. SME-based research
2. Benchmarks

5 – 8 M€

28 M€

PRIORITIES

PERCEPTION immune to natural variation

DECISIONAL AUTONOMY

DEPENDABILITY – graceful degradation

SYSTEMS SELF-VERIFYING CORRECT BEHAVIOUR

14/12/2016

25/04/2017

Smart cities

5 – 7 M€

7 M€

4rth Robotics Call in H2020 (closing: 25-4-2017)

ICT 25-2017: Advanced robot capabilities research and take-up

ICT 27-2017: System abilities, SME & benchmarking actions, safety certification

ICT 28-2017: Robotics competition, coordination and support

CSA	5M€	a) Non-technical barriers
		b) Standards & regulation
		c) Community support and outreach
		d) Competitions

H2020 – ICT-28-2017

Robotics Competition, coordination and support

CSA

28.a
Non-technical
barriers to robotic
take-up

28.b
Standards and
Regulation

28.c
Community support
and outreach

28.d
Competitions
2 M€

3 M€

5 M€

2017

14/12/2016

25/04/2017

4rth Robotics Call in H2020 (closing: 25-4-2017)

ICT 25-2017: Advanced robot capabilities research and take-up

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ICT 28-2017: Robotics competition, coordination and support

CSA	5M€	a) Non-technical barriers
		b) Standards & regulation
		c) Community support and outreach
		d) Competitions

SFS-05-2017 - Robotics Advances for Precision Farming

Excellent Science
(24.4 B €)

Industrial Leadership
(17 B €)

Societal Challenges
(29.7 B €)

LEIT = Leadership in
Industrial

Health
(7.5 B €)

Food
(3.9 B €)

Energy
(6 B €)

Transport
(6.3 B €)

Climate
(3 B €)

Inclusive Societies
(1.3 B €)

Security
(1.7 B €)

SC2: Sustainable Agriculture

SFS-05-2017: Robotics
Advances for Precision
Farming

Types: RIAs

Funding: 2 - 4M€/prop.

Deadline: 14 February 2017

...ellence (0.8 B €)

...for Society (0.5 B €)

EIT (2.7 B €)

JRC (1.9 B €)

Euratom (1.6 B €)

SCOPE

- Autonomous farm vehicles /sensors/ intervention mechanisms
- Selective harvesting, more targeted weed reduction or environment friendly fertilization, livestock management
- Tagging for traceability to optimise process

IMPACT

- Increased productivity
- More environment-friendly
- increased safety, reliability, manageability, improving human working conditions

Robotics in FoF-12-2017: ICT Innovation for Manufacturing

Excellent Science
(24.4 B €)

Industrial Leadership
(17 B €)

LEIT = Leadership in enabling and industrial technologies

new material

MEs

Societal Challenges
(29.7 B €)

Health (7.5 B €)

Food (3.9 B €)

Energy (6 B €)

Transport (6.3 B €)

Climate (3 B €)

Inclusive Societies (1.3 B €)

Security (1.7 B €)

0.8 B €

0.5 B €

EIT (2.7 B €)

JRC (1.9 B €)

Euratom (1.6 B €)

CROSS-CUTTING
FoF-12-2017: ICT
Innovation for Manufacturing
Robotics: cost effective @ lower lot sizes
Types: IAs
Funding: up to 8M€/prop.
Deadline: 14 Feb.2017

EVENTS

- ICT Proposers' Day 2016 Bratislava/Slovakia
- Brokerage event – Nov/Dec.(tbc)

Organised by euRobotics (private partner in Robotics PPP SPARC)

STAY TUNED

<https://eu-robotics.net/>

<https://ec.europa.eu/digital-single-market/en/robotics>

THANK YOU

NCP TRAINING – MAY 12 - 2016



HORIZON 2020

