

THE FRAMEWORK PROGRAMME FOR RESEARCH AND INNOVATION

HORIZON 2020

***Robotics funding
opportunities in 2017***

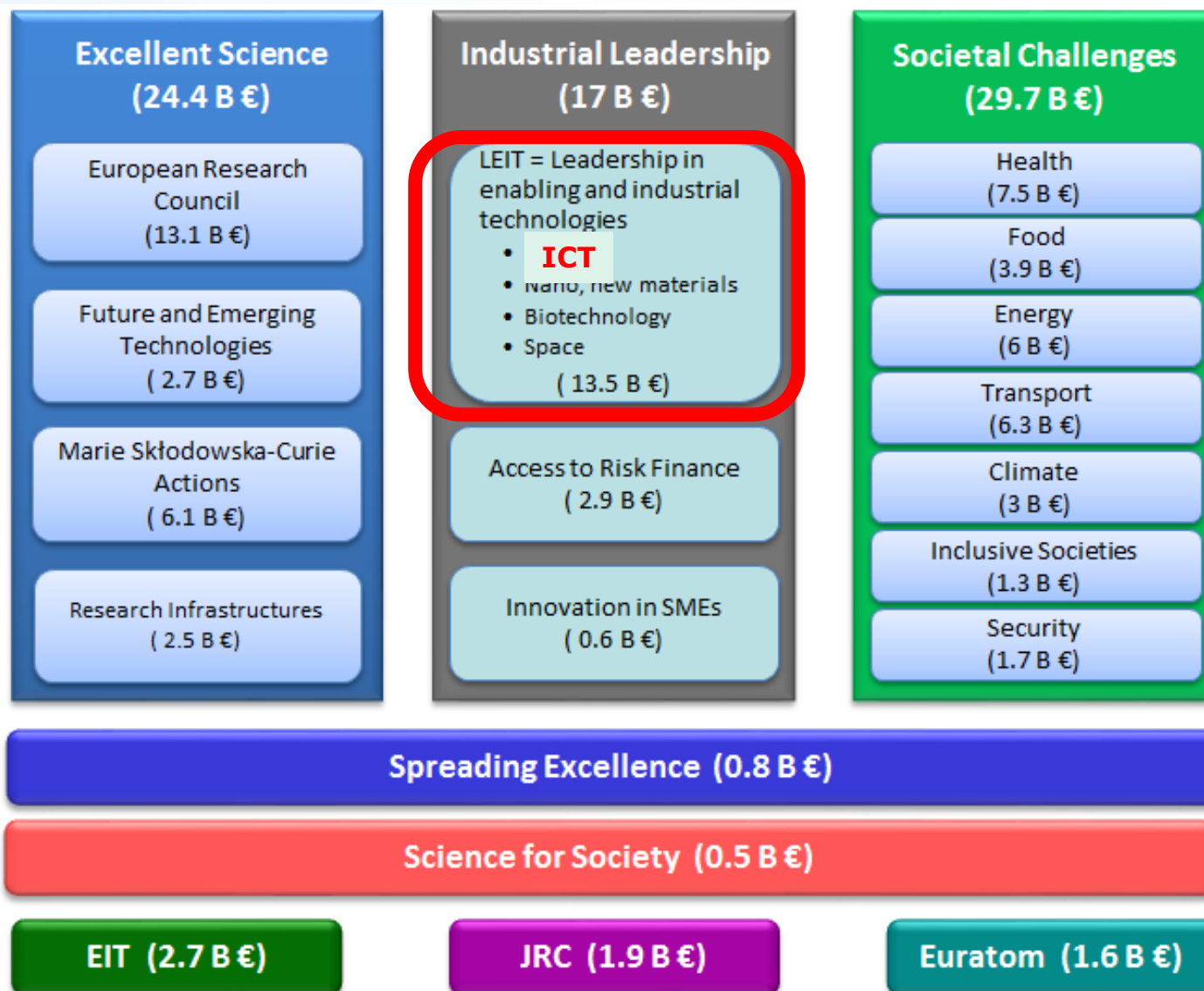
Cécile Huet, PhD
Deputy Head of Unit A2 Robotics
European Commission

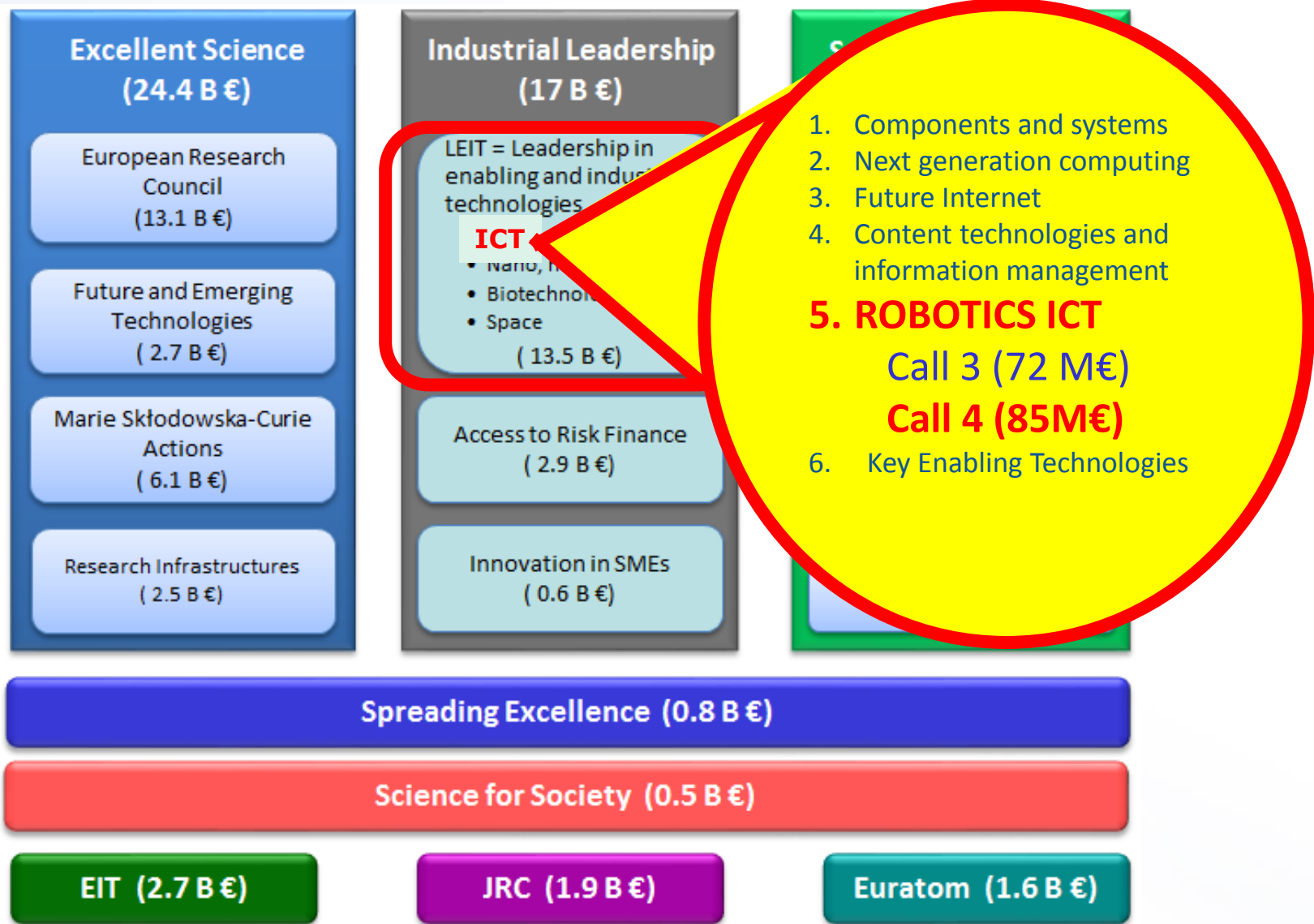
NCP TRAINING – MAY 12 - 2016

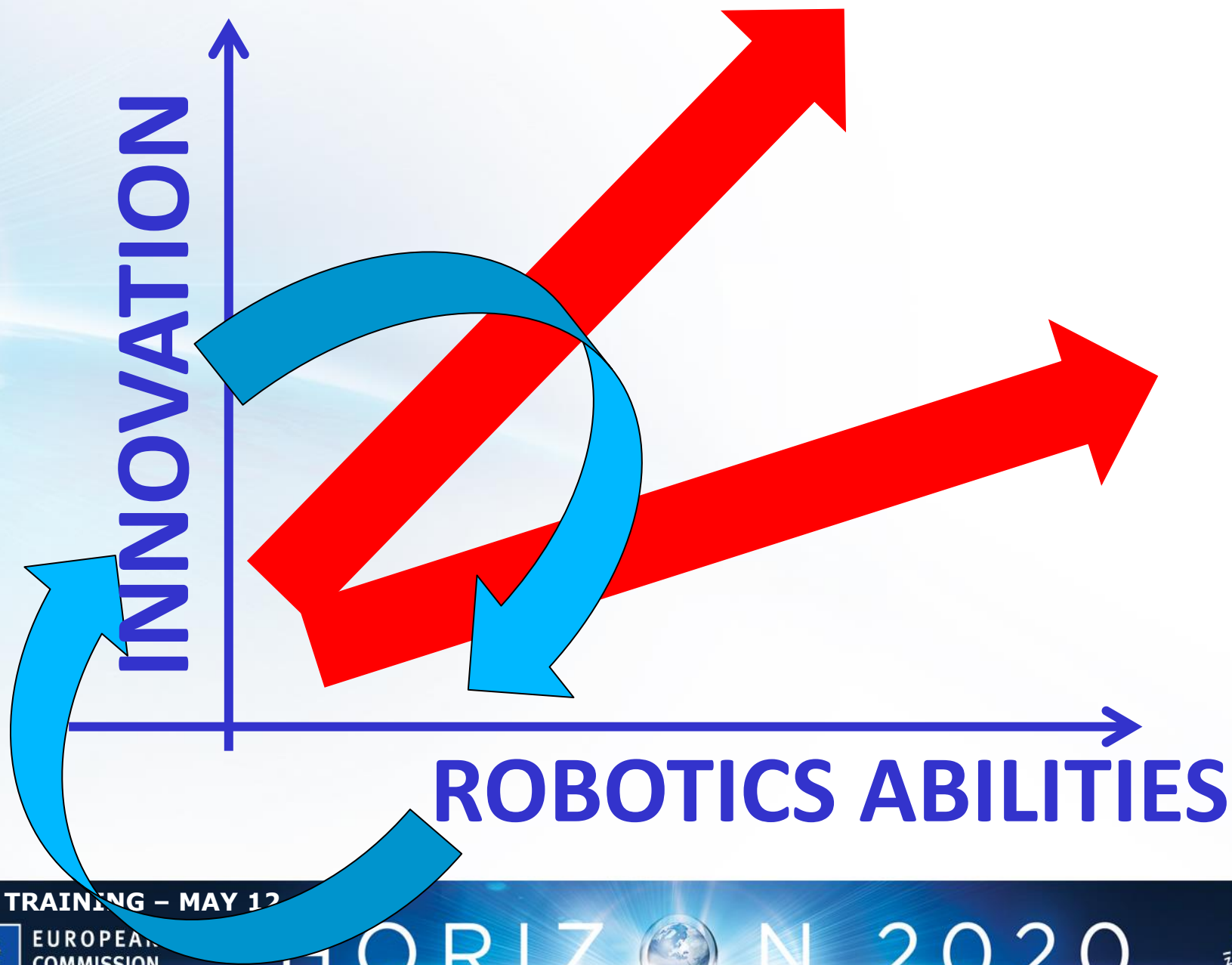


HORIZON 2020









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

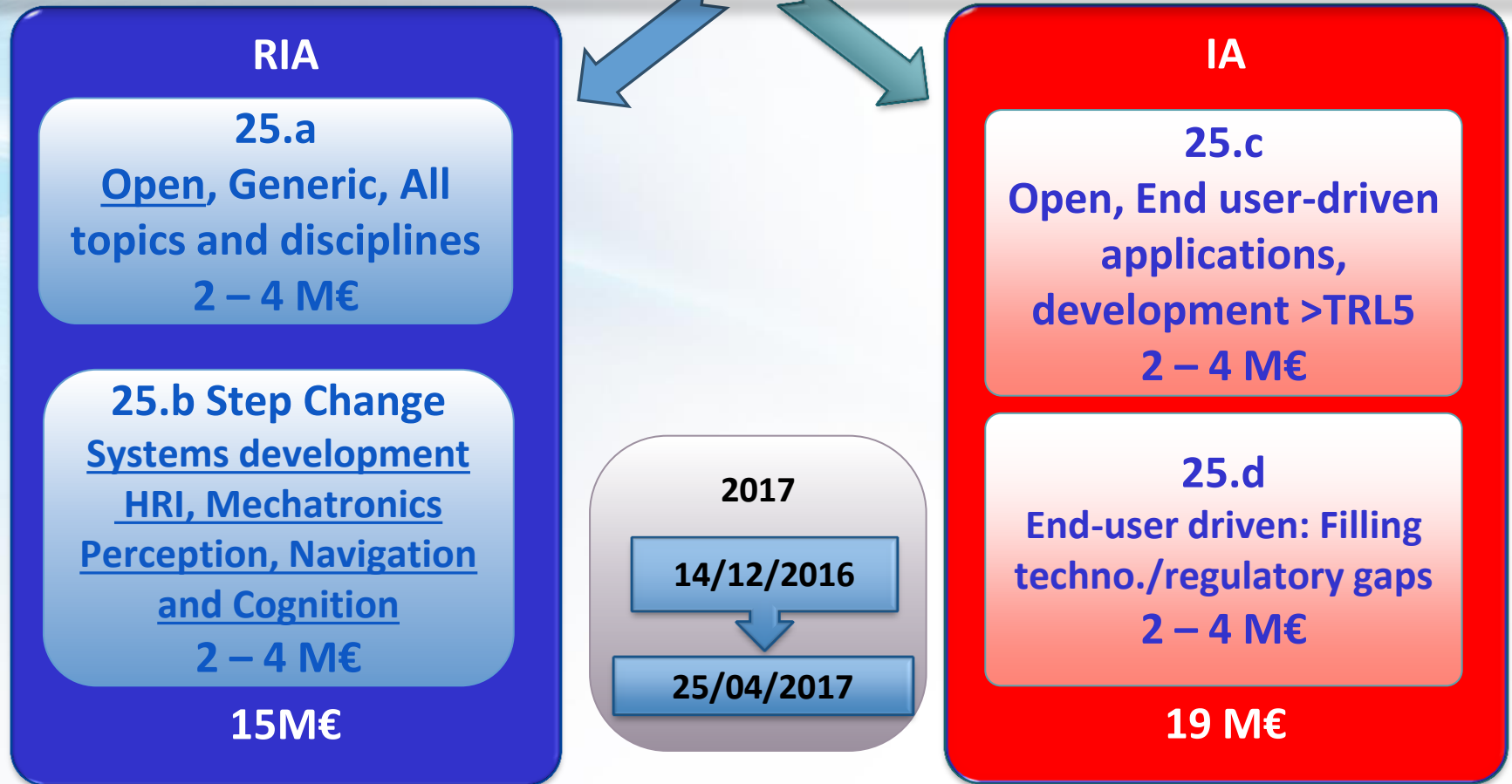
RIA	15M€	a) Open, generic research
		b) Technical capabilities: Systems development, HRI, mechatronics, perception, navigation and cognition
IA	19M€	c) End User driven application development
		d) Filling technology / regulatory gaps

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

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H2020 – ICT-25-2017

Advanced robot capabilities research and take-up



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

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

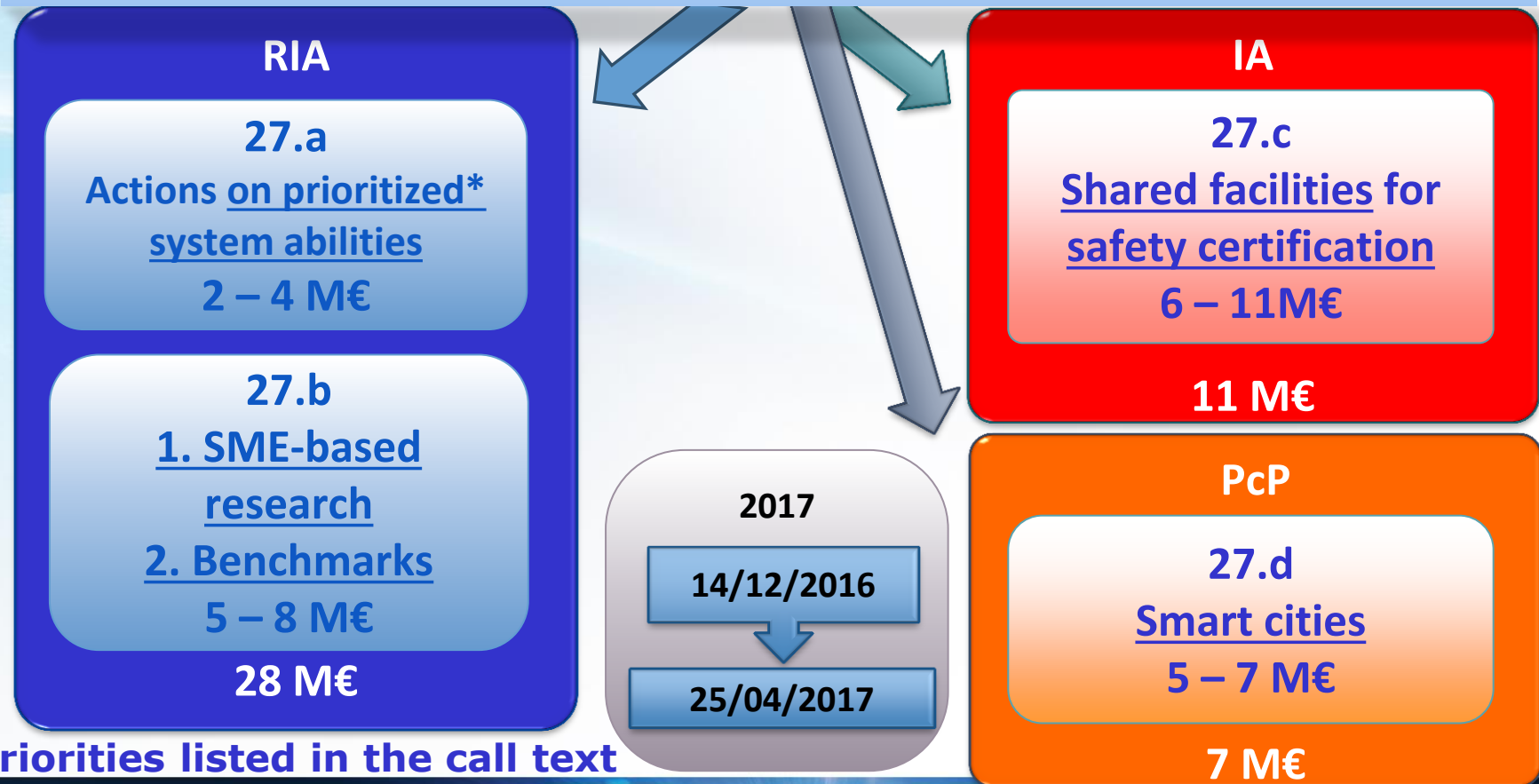
ICT 27-2017: System abilities, SME & benchmarking actions, safety certification

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

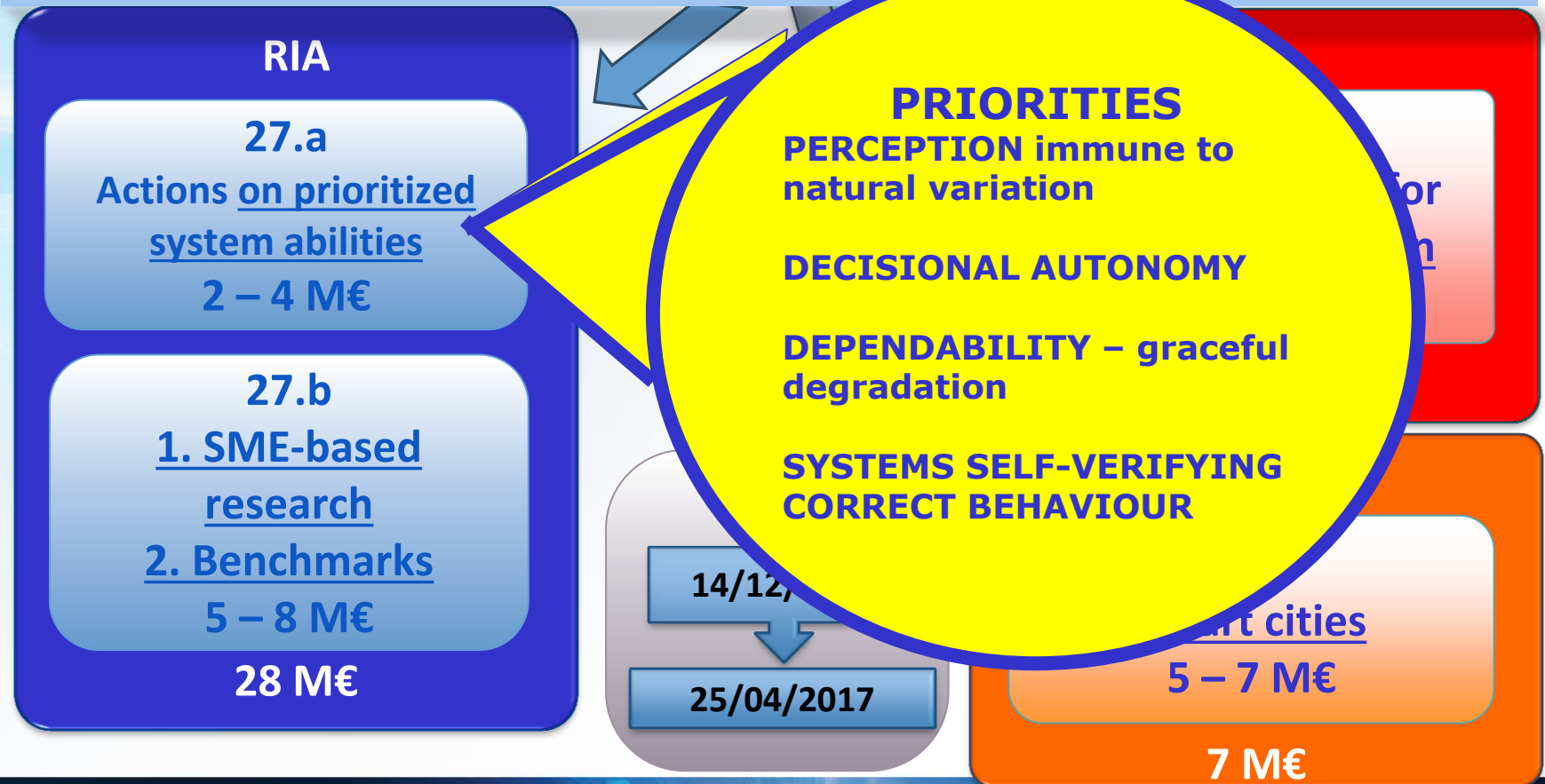


* Priorities listed in the call text

NCP TRAINING – MAY 12 - 2016

H2020 – ICT-27-2017

System abilities, SME & benchmarking actions, safety certification



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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

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SFS-05-2017 - Robotics Advances for Precision Farming

NCP TRAINING – MAY 12 - 2016



HORIZON 2020



Excellent Science
(24.4 B €)

Industrial Leadership
(17 B €)

Societal Challenges
(29.7 B €)

LEIT = Leadership in
Industrial and Technological

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

Excellence (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

NCP TRAINING – MAY 12 - 2016



HORIZON 2020



Excellent Science
(24.4 B €)

Industrial Leadership
(17 B €)

Societal Challenges
(29.7 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

LEIT = Leadership in
enabling and industrial
technologies

new material
energy

MEs

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 €)

Intelligence (0.8 B €)

Service for Society (0.5 B €)

EIT (2.7 B €)

JRC (1.9 B €)

Euratom (1.6 B €)

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

