

Horizon 2020, Brokerage Session

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Horizon 2020



How will today work?

 Reminder of how Horizon2020 works and how we should use it

- Key themes in the next year
 - ICT LEIT
 - Secure Societies

Horizon 2020 - How will Today work?



- 15:30 15:40 Opening of the brokerage event
- 15:40 16:40 H2020 work programme 2016-2017: Leadership in enabling and industrial technologies: Information and Communication Technologies
 - Identification of relevant calls
 - Presentation of project ideas
 - Consortia building
- 16:40 17:00 Coffee break & informal discussions
- 17:00 18:00 H2020 work programme 2016-2017: Secure societies – Protecting freedom and security of Europe and its

citizens

- Identification of relevant calls
- Presentation of project ideas
- Consortia building
- 18:00 18:30 Bilateral informal discussions
- 18:30 Closing of the brokerage event.....



This presentation is all prepared from experience

Always refer to the Horizon2020 official documentation



Presentations of proposal ideas only

(not organisational capabilities)

Horizon 2020 Intro



€80 Billion over 7 years for research and innovation





Horizon 2020 programme sections













Why are we interested?



If we use it properly, we can solve problems!



Its not just research funding gravy train...



 H2020 flows from core research, through innovation, and to procure live deployed systems...



Lets identify those problems...



- Lets identify those problems...
- Tell H2020 if they are not covering them...



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- Collaboratively fill those innovation gaps through H2020 funding



- Lets identify those problems...
- Tell H2020 if they are not covering them...
- Collaboratively fill those innovation gaps through H2020 funding
- Move the innovation towards procurment



How does it all work?

PSCEUrope

Public Safety Communication Europe

- TRL 1 basic principles observed
- TRL 2 technology concept formulated
- TRL 3 experimental proof of concept
- TRL 4 technology validated in lab
- TRL 5 technology validated in relevant environment (industrially relevant
- environment in the case of key enabling technologies)
- TRL 6 technology demonstrated in relevant environment (industrially relevant environment in the case of key enabling technologies)
- TRL 7 system prototype demonstration in operational environment
- TRL 8 system complete and qualified
- TRL 9 actual system proven in operational environment (competitive manufacturing in the case of key enabling technologies; or in space)

PSCEurc Public Safety Communication Europe

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Horizon 2020 Instruments and Funding



- RIA Research and Innovation Action
 - TRL <4
 - 100% funded
 - Circa 2-5 MEuro per project
 - Typical duration 3-4 years
 - >= 3 legal entities from Member states and Associated Countries
- IA Innovation Action
 - TRL up to 6, or 8
 - 70% funded
 - Circa 2-5 MEuro per project
 - Typical duration 2-3 years
 - >= 3 legal entities from Member states and Associated Countries

Horizon 2020 Instruments and Funding



- CSA Coordination and Support Action
 - 100% Funded
 - Circa 0.5-2MEuro per project
 - >= 1 legal entities from Member states and Associated Countries
- PCP Pre-Commercial Procurement
 - TRL8
 - 90% funded
 - >= 3 legal entities from Member states and Associated Countries
- PPI Public Procurement of Innovative Solutions
 - TRL9
 - 35% funded
 - >= 3 legal entities from Member states and Associated Countries



- Excellence
- Impact
- Quality and Efficiency of Implementation



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- 70 page limit
 - + partner descriptions and admin



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- Each criteria scored out of 5,
- Threshold usually 10,
 - Mostly limited by available funds
 - Score 13.5 to have a reasonable chance



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- Impact
- Quality and Efficiency of Implementation
- 70 page limit
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- Each criteria scored out of 5,
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 - Score 13.5 to have a reasonable chance
- Contract and start roughly 8months after submission

Putting together a proposal



- Time plan
 - start > 4 months from deadline, ideally longer

- 1. IDEA, Call Item, Motivation !!!
- 2. Find Partners

Putting together a proposal



- Time plan
 - start > 4 months from deadline, ideally longer
 - 1. IDEA !!!
 - 2. Find Partners
- Find a proposal coordinator / Technical lead
 - Experience in proposal writing
 - Technical Experience in the field
 - Strong project management experience
- Find a project coordinator
 - Experience in Legal and Financial aspects of EC Funding

Putting together a proposal



- Time plan
 - start > 4 months from deadline, ideally longer
 - 1. IDEA !!!

Today is more about this

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Finding Calls for proposals



Google 'h2020 calls'

- Click
 - 'Calls Research Participant Portal European Commission'

Filter out to find what you are interested in

http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/index.html

ICT LEIT



ICT LEIT

&

IoT

ICT LEIT – Deadline January '16



International Cooperation Activities		
ICT-37-2016: CHINA: Collaboration on Future Internet	CSA	1
ICT-38-2016: MEXICO: Collaboration on ICT	CSA	0.5
	RIA	0.5
ICT-39-2016-2017: International partnership building in low and middle income countries	CSA	0.8
Call - EU-Japan Joint Call		
EUJ-01-2016: 5G – Next Generation Communication Networks	RIA	3
EUJ-02-2016: IoT/Cloud/Big Data platforms in social application contexts	RIA	2.7
EUJ-03-2016: Experimental testbeds on Information-Centric Networking	RIA	1.3



DEADLINE 12th April 2016 A new generation of components and systems		
A new generation of components and systems		
ICT-01-2016: Smart Cyber-Physical Systems	RIA	19
	CSA	1
ICT-02-2016: Thin, Organic and Large Area Electronics	RIA	12
	CSA	8
ICT-03-2016: SSI - Smart System Integration	RIA	17
	CSA	1.5
Advanced Computing and Cloud Computing		
ICT-06-2016: Cloud Computing	RIA	35
	IA	10
Future Internet		
ICT-10-2016: Software Technologies	RIA	10
ICT-12-2016: Net Innovation Initiative	IA	15
	RIA	5
	CSA	0.2
ICT-13-2016: Future Internet Experimentation - Building a European experimental Infrastructure	CSA	1
	RIA	25



IA

12

DEADLINE 12th April 2016

Content		
ICT-14-2016-2017: Big Data PPP: cross-sectorial and cross-lingual data integration and experimentation	IA	27
ICT-15-2016-2017: Big Data PPP: Large Scale Pilot actions in sectors best benefitting from data-driven innovation	IA	25
ICT-17-2016-2017: Big data PPP: Support, industrial skills, benchmarking and evaluation	CSA	5
ICT-18-2016: Big data PPP: privacy-preserving big data technologies	RIA	8
	CSA	1
ICT-21-2016: Support technology transfer to the creative industries	IA	14
ICT-22-2016: Technologies for Learning and Skills	IA	20
	RIA	11

Robotics and Autonomous Systems

ICT-24-2016: Gaming and gamification

ICT-25-2016-2017: Advanced robot capabilities research and take-up	RIA	15
	IA	15
ICT-26-2016: System abilities, development and pilot installations	RIA	24
	IA	18



DEADL	INE	12th	April	2016
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ICT Key Enabling Technologies		
ICT-29-2016: Photonics KET 2016	RIA IA CSA	40 23 3
Innovation and Entrepreneurship support		
ICT-34-2016: Pre-Commercial Procurement open	PCP	4
Responsibility and Creativity		
ICT-35-2016: Enabling responsible ICT-related research and innovation	RIA	7
ICT-36-2016: Boost synergies between artists, creative people and technologists	IA	3
	CSA	5



DEADLINE 8th November 2016

ICT-04-2017: Smart Anything Everywhere Initiative	IA	24.5
	CSA	1
Future Internet		
ICT-07-2017: 5G PPP Research and Validation of critical technologies and systems	RIA	100
	CSA	3
ICT-08-2017: 5G PPP Convergent Technologies	IA	40
	RIA	8
ICT-09-2017: Networking research beyond 5G	RIA	18

Content

ICT-19-2017: Media and content convergence	IA	38
	CSA	1



DEADLINE 25th April 2017

Advanced Computing and Cloud Computing		
ICT-05-2017: Customised and low energy computing	RIA	24
	CSA	2
Future Internet		
ICT-11-2017: Collective Awareness Platforms for Sustainability and Social Innovation	IA	9
	CSA	1
Content		
ICT-14-2016-2017: Big Data PPP: cross-sectorial and cross-lingual data integration and experimentation	IA	27
ICT-15-2016-2017: Big Data PPP: Large Scale Pilot actions in sectors best benefitting from data-driven innovation	IA	25
ICT-16-2017: Big data PPP: research addressing main technology challenges of the data economy	RIA	35
ICT-17-2016-2017: Big data PPP: Support, industrial skills, benchmarking and evaluation	RIA	2
ICT-20-2017: Tools for smart digital content in the creative industries	RIA	17
ICT-23-2017: Interfaces for accessibility	RIA	10
	IA	2



DEADLINE 25th	April 2017
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Robotics and Autonomous Systems		
ICT-27-2017: System abilities, SME & benchmarking actions, safety certification	IA	11
	PCP	7
ICT-28-2017: Robotics Competition, coordination and support	CSA	5
ICT Key Enabling Technologies		
ICT-30-2017: Photonics KET 2017	RIA	41
	IA	43
	CSA	3
ICT-31-2017: Micro- and nanoelectronics technologies	RIA	19
	IA	3
	CSA	1
Innovation and Entrepreneurship support		
ICT-32-2017: Startup Europe for Growth and Innovation Radar	IA	10
	CSA	2
ICT-33-2017: Innovation procurement networks	CSA	4
International Cooperation Activities ICT-39-2016-2017: International partnership building in low and middle income		
countries	IA	13

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IOT – Deadlines April '16, '17



DEADLINE 1	2th April 2016
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IoT-01-2016:Large Scale Pilots	IA	ttl 100
Pilot 1: Smart living environments for ageing well		20
Pilot 2: Smart Farming and Food Security		30
Pilot 3: Wearables for smart ecosystems		15
Pilot 4: Reference zones in EU cities		15
Pilot 5: Autonomous vehicles in a connected environment		20
IoT-02-2016:IoT Horizontal activities	CSA	1
DEADLINE 12th April 2017		
IoT-03-2017:R&I on IoT integration and platforms	RIA	35



Project Ideas ???

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Thanks for Listening

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