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Industrial Support and EU Funding Opportunities

Addressing societal challenges and growing new technologies

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CEO



We are eliminating silos to make it easier to assemble multi-disciplinary teams so that we can do more, and do it well.

David Lockwood
Chair



The “half-life of knowledge” is shortening, so we must connect business with research faster than ever before.

16 Industry communities

Core thematic networks covering key application areas and underpinning technologies

20 Cross-sector groups

Interdisciplinary programmes building communities around priority challenges

60,000+ Members

An engaged online community of innovators served by a single platform

15,000+ Delegates per year

Hundreds of events bringing people together ‘to make magic happen’

Clustered communities, groups and business programmes

Focus is on bringing together groups that would not normally meet



Materials
Chemistry
Environmental
Services



Agri-Food
Biosciences
Health



ICT
Electronics, Sensors
& Photonics
Defence & Security
Space



Built Environment
Transport
Energy



Creative Industries
Digital Economy
Design

← Sustainability, H2020, International, Access to Finance, Design →

Defence and Security Community

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 - 07734 957471
- Robin Williamson (Defence and Security)
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- Hazel Biggs (Security)
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- Felicity Carlisle (Forensic Science)
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Follow KTN Defence and Security

<https://connect.innovateuk.org/web/defence>

<https://connect.innovateuk.org/web/forensics>

Twitter:

@KTNUK

@KTNUK_Defence

@KTNUK_Forensics

The KTN H2020 Secure Societies briefing event video can be found here <https://vimeo.com/145876677>

Innovate UK Competition

Energy Game Changer

- 2 million competition opening 28th March 2016
- Register before 4th May 2016 (deadline 11th May 2016)
- Technical feasibility studies
- Develop disruptive technologies or business models to drive innovation in the sector in 3 challenge areas
 - Taking inspection to the limit
 - Dealing with data
 - Engaging in energy
- Briefing event for potential applicants London 6th April
- https://interact.innovateuk.org/competition-display-page/-/asset_publisher/RqEt2AKmEBhi/content/energy-game-changer

Innovate UK Competition Fundamentals

- SME Lead
 - Main business is outside energy sector
 - Working alone or with partners from any sector (including energy)
- 6-12 month projects
- Total costs awarded £25,000 to £100,000
 - SME up to 70% eligible project costs
 - Medium-sized businesses up to 60%
 - Large business partners up to 50%
 - Research orgs can apply (capped to 30% total project costs)
- Must address at least one of the specific challenges
- Can make more than one application

Secure Societies

The Fundamentals

€1.7Bn over 7 years

Part of wider €79Bn research programme

2016 call opens Open to Industry, Academia and
Government/End Users



Secure Societies

Protecting freedom & security of Europe & its citizens

- to **enhance the resilience of our society** against natural and man-made disasters, ranging from the development of new crisis management tools to communication interoperability, and to develop novel solutions for the protection of critical infrastructure;
- to **fight crime and terrorism** ranging from new forensic tools to protection against explosives;
- to **improve border security**, ranging from improved maritime border protection to supply chain security and to support the Union's external security policies including through conflict prevention and peace building;
- and to provide **enhanced cyber-security**, ranging from secure information sharing to new assurance models.

2016/17 Call Topics

Critical Infra Structure Protection

- 1 Topic

Disaster Resilience – safe guarding & securing society

- 5 Topics

Fight against Crime & Terrorism

- 7 topics

Border Security & External Security

- 8 topics

Digital Security Focus Area

- 8 topics

Critical Infrastructure Protection

CIP-01-2017-17 Prevention, detection, response and mitigation of the combination of physical and cyber threats to the critical infrastructure of Europe

- Includes energy infrastructure (power plants and distribution)

Disaster Resilience

Safeguarding and Securing Society

SEC-01-DRS-2016: Integrated tools for response planning and scenario building (IA)

SEC-02-DRS-2016: Situational awareness systems to support civil protection preparation and operational decision making (CSA)

SEC-03-DRS-2016: Validation of biological toxins measurements after an incident: Development of tools and procedures for quality control (IA)

SEC-04-DRS-2017: Broadband communication systems ((PCP)

SEC-05-DRS-2016-2017: Chemical, biological, radiological and nuclear (CBRN) cluster (CSA or RIA)

Fight Against Crime and Terrorism

SEC-06-FCT-2016: Developing a comprehensive approach to violent (radicalization in the EU from early understanding to improving protection (RIA)

SEC-07-FCT-2016-2017: Human Factor for the Prevention, Investigation, and Mitigation of criminal and terrorist acts (RIA)

SEC-08-FCT-2016: Forensics techniques on: a) trace qualification, and b) broadened use of DNA (RIA)

SEC-09-FCT-2017: Toolkits integrating tools and techniques for forensic laboratories (PCP)

SEC-10-FCT-2017: Integration of detection capabilities and data fusion with utility providers' networks (IA)

SEC-11-FCT-2016: Detection techniques on explosives: Countering an explosive threat, across the timeline of a plot (RIA)

SEC-12-FCT-2016-2017: Technologies for prevention, investigation, and mitigation in the context of fight against crime and terrorism (RIA)

Border Security and External Security

SEC-13-BES-2017: Next generation of information systems to support EU external policies (PCP)

SEC-14-BES-2016: Towards reducing the cost of technologies in land border security applications (RIA)

SEC-15-BES-2017: Risk-based screening at border crossing (IA)

SEC-16-BES-2017: Through-foliage detection, including in the outermost regions of the EU (RIA)

SEC-17-BES-2017: Architectures and organizations, big data and data analytics for customs risk management of the international goods supply chain trade movements(RIA)

SEC-18-BES-2017: Acceptance of "no gate crossing point solutions"(RIA)

SEC-19-BES-2016: Data fusion for maritime security applications (IA)

SEC-20-BES-2016: Border Security: autonomous systems and control systems (IA)

General Matters

SEC-21-GM-2016-2017 Pan European Networks of Practitioners and other actors in the field of security

- Practitioners and resources to monitor innovation and research that could be useful to them
 - Monitor R&I
 - Express common requirements
 - Indicate priorities
- End users in the same discipline from across Europe
- Practitioners from different disciplines in a particular geographical area

Closing Dates

Critical Infrastructure Protection

Disaster Resilience

Fighting Crime & Terrorism

Border Security

Digital Security

Open 15 March 2016

Closes 25 August 2016

Except.....

Digital Security

DS-01-2016

DS-03-2016

Open 20 October 2016

Closes 12 April 2016

Closes 16 February

SME Instrument

Three phases

- Phase 1 (Proof of Concept) Feasibility assessment .Up to €50,000 (70% total cost of project)
- Phase 2 (development & demonstration)- €500,000-2.5 million (70% cost of the project) into a market ready product, service or process
- Phase 3 (go to market) –access to innovation support services & facilitated access to risk finance

What does a successful applicant look like

- 70% funded proposals came from companies that have been in the market for at least 4 years
- 66% of all projects funded are with companies that have a staff of 6

Consortia Considerations

For most actions a minimum of 3 legal entities from 3 member states
Associated countries can be included (e.g. Norway)
3rd part countries may be encouraged – will say in the proposal
If you NEED 3rd countries look at the specific conditions
Look out for brokerage events/Briefing sessions
Use existing contacts

Myths:

Bigger is not better!
No “key” /necessary countries

H2020

Key Links

Horizon 2020 EU Programmes

www.ec.europa.eu/programmes/horizon2020/en/h2020-section-secure-societies

Work programme, details on events etc.

Participants Portal

www.ec.europa.eu/research/participants/portal

Everything you want to know (– and probably a lot you don't!)

SeReMa on-line partner search database will continue

<http://www.security-research-map.eu>

Innovate UK launched “one stop” UK H2020 website for all potential UK applicants/participants <https://www.h2020uk.org/>

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