'Secure Societies' 2018-2020

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My Role

- Represent the Irish position on civil Security R&D to the European Commission in the context of Horizon 2020 'Secure Societies'

- Promote the H2020 'Secure Societies' programme on the island of Ireland

- Derive further economic and societal value from the H2020 activity

Irish Security Research Network (serenity)

- The 'serenity' network was founded in 2004 – it covers the island of Ireland

- The network has roughly 1100 participants, about one third of whom are from industry with the remainder being academics, civil/public servants, end-users (An Garda Siochana, Police Service of Northern Ireland, Forensics Science NI, InvestNI, Defence Forces Ireland) and selected non-Irish organisations overseas

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Security Mission Industry Group Meetings

- As in previous years, the Security Mission Information & Innovation Group (SMI2G) is likely to organise a two-day brokerage event in Brussels – probably in Jan/Feb 2018 - to exchange information on the 2018 Secure Societies calls of Horizon 2020 and to stimulate networking for the creation of potential ideas and consortia. This is the best brokerage event you can attend.

- *"I just wanted to thank you for your support with regard to applying for Horizon2020 calls (considering I am at the junior level of my career) and encouragement to go to Brussels and network. It is there that I met the coordinator."*

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The 'Secure Societies' Work Programme for 2018-2020

The 'Secure Societies' Work Programme for 2018-2020 is split into 3 calls:

1. Protecting the infrastructure of Europe and people in European smart cities
2. Security
3. Digital Security

The 'Security' call is further divided into 4 areas:
1. Disaster Resilient Societies
2. Fight against Crime and Terrorism
3. Border & External Security
4. General Matters

CALL - Protecting the infrastructure of Europe and people in European smart cities

SU-INFRA01-2018-2019-2020: Prevention, detection, response and mitigation of combined physical and cyber threats to critical infrastructure in Europe	IA (8M)
SU-INFRA02-2019: Security for Smart Cities and "soft" targets in Smart Cities	IA (8M)

CALL – Security (Disaster Resilient Societies)

Topic	Type
SU-DRS01-2018-2019-2020: Human factors, and social, societal, and organisational aspects for disaster-resilient societies	RIA (5M)
SU-DRS02-2018-2019-2020: Technologies for first responders	-----
Sub-topic 1: [2018] Victim-detection technologies	RIA (7M)
Sub-topic 2: [2019] Innovation for rapid and accurate pathogens detection	RIA (7M)
Sub-topic 3: [2020] Methods and guidelines for pre-hospital life support and triage	RIA
Sub-topic: [2018-2019-2020] Open	RIA (7M)
SU-DRS03-2018-2019-2020: Pre-normative research and demonstration for disaster-resilient societies	-----
Sub-topic 1: [2018] Pre-standardisation for the security of water supply	IA (6M)
Sub-topic 2: [2019] Pre-standardisation in CBRN-E crisis management	IA (6M)
Sub-topic 3: [2020] First aids vehicles deployment, training, maintenance, logistic and remote centralized coordination means	IA
SU-DRS04-2019-2020: Chemical, biological, radiological and nuclear (CBRN) cluster	RIA (3.5M)
SU-DRS05-2019: Methodical demonstration of novel concepts for the management of pandemic crises	IA (10M)

CALL – Security (Fight against Crime & Terrorism)

SU-FCT01-2018-2019-2020: Human factors, and social, societal, and organisational aspects to solve issues in fighting against crime and terrorism	
Sub-topic 1: [2018] Trafficking of human beings and child sexual exploitation – prevention, and protection of victims	RIA (5M)
Sub-topic 2: [2019] Understanding the drivers of cybercriminality, and new methods to prevent, investigate and mitigate cybercriminal behaviour	RIA (5M)
Sub-topic 3: [2020] Developing comprehensive multi-disciplinary and multi-agency approaches to prevent and counter violent radicalisation in the EU	RIA
Sub-topic: [2018] Open	RIA (5M)
SU-FCT02-2018-2019-2020: Technologies to enhance the fight against crime and terrorism	
Sub-topic 1: [2019] Trace qualification	RIA (7M)
Sub-topic 2: [2018] Digital forensics in the context of criminal investigations	RIA (7M)
Sub-topic 3: [2020] Money flows tracking	RIA
Sub-topic: [2018-2019-2020] Open	RIA (7M)
SU-FCT03-2018-2019-2020: Information and data stream management to fight against (cyber)crime and terrorism	IA (8M)
SU-FCT04-2020: Explosives: detection, intelligence, forensics	RIA

CALL – Security (Border & External Security) 1

SU-BES01-2018-2019-2020: Human factors, and social, societal, and organisational aspects of border and external security	
Sub-topic 1: [2018] Detecting security threats possibly resulting from certain perceptions abroad, that deviate from the reality of the EU	RIA (5M)
Sub-topic 2: [2019] Modelling, predicting, and dealing with migration flows to avoid tensions and violence	RIA (5M)
Sub-topic 3: [2020] Developing indicators of threats at the EU external borders on the basis of sound risk and vulnerability assessment methodologies	RIA
Sub-topic: [2018] Open	RIA (5M)
SU-BES02-2018-2019-2020: Technologies to enhance border and external security	
Sub-topic 1: [2018] Providing integrated situational awareness and applying augmented reality to border security	RIA (7M)
Sub-topic 2: [2018] Detecting fraud, verifying document validity, and alternative technologies to identifying people	RIA (7M)
Sub-topic 3: [2019] Security on-board passenger ships	RIA (7M)
Sub-topic 4: [2019] Detecting threats in the stream of commerce without disrupting business	RIA (7M)
Sub-topic 5: [2020] Disruptive sensor technologies for border surveillance	RIA
Sub-topic: [2018-2019-2020] Open	RIA (7M)

CALL – Security (Border & External Security) 2

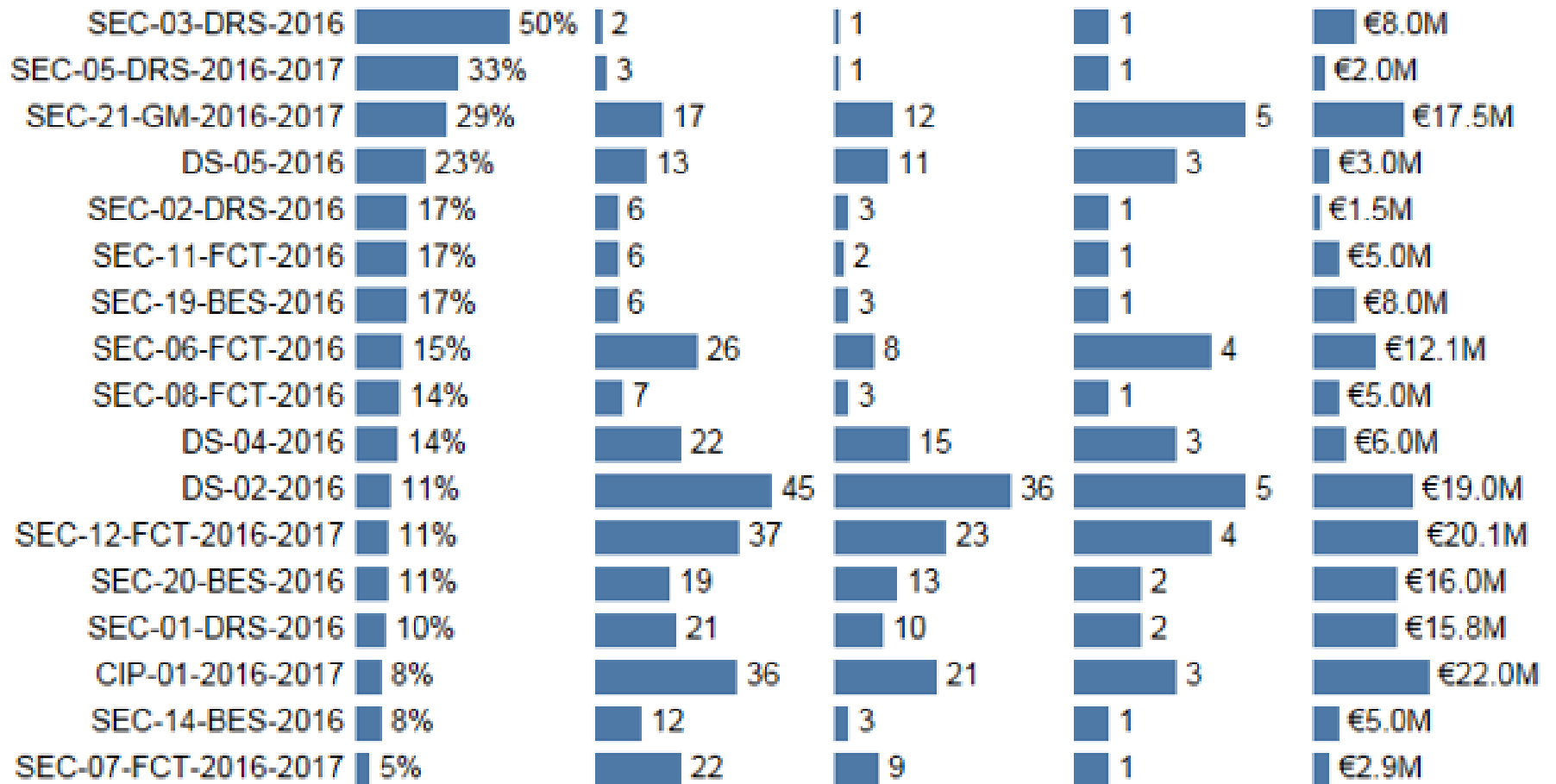|	
SU-BES03-EBCGA-2018-2019-2020: Demonstration of applied solutions to enhance border and external security	
Sub-topic 1: [2018] Remotely piloted aircrafts and underwater autonomous platforms to be used from on-board offshore patrol vessels	IA (5M)
Sub-topic 2: [2019] New concepts for decision support and information systems	IA (5M)
Sub-topic 3: [2020] Improved systems for the detection, identification and tracking of small boats	IA
Sub-topic: [2018-2019-2020] Open	IA (5M)

CALL – Security (General Matters)

SU-GM01-2018-2019-2020: Pan-European networks of practitioners and other actors in the field of security	CSA (1.5 & 3.5M)
SU-GM02-2018-2020: Strategic pre-commercial procurements of innovative, advanced systems to support security	
Sub-topic 1: [2018] Common requirements specifications for innovative, advanced systems to support security	CSA (1M)
Sub-topic 2: [2020] Procurement of prototype systems among those specified as a result of Sub-topic 1	PCP
SU-GM03-2018-2019-2020: Pre-commercial procurements of innovative solutions to enhance security	PCP (2-12)M

CALL - Digital Security

SU-DS01-2018: Cybersecurity preparedness - cyber range, simulation and economics	IA (6M)
SU-DS02-2020: Management of cyber-attacks and other risks	Not indicated
SU-DS03-2019-2020: Digital Security and privacy for citizens and Small and Medium Enterprises and Micro Enterprises	
Sub-topic 1: Protecting citizens' security, privacy and personal data protection	IA (5M)
Sub-topic 2: Small and Medium-sized Enterprises and Micro Enterprises (SMEs&MEs): defenders of security, privacy and personal data protection	IA (4M)
SU-DS04-2018-2020: Cybersecurity in the Electrical Power and Energy System (EPES): an armour against cyber and privacy attacks	IA (8M)
SU-DS05-2018-2019: Digital security, privacy and accountability in critical sectors	
Sub-topic 1 [2019]: Digital security, privacy and personal data protection in multimodal transport	RIA (5M)
Sub-topic 2 [2019]: Digital security, privacy and personal data protection in healthcare ecosystem	RIA (5M)
Sub-topic 3 [2018]: Digital security, privacy and personal data protection in finance	RIA (4M)

Summary Data for the H2020 'Secure Societies' Call of 15th March 2016

Topic	Success Rate	Number of Proposals	Number above Threshold	Number of Winning Proposals	Funding
SEC-03-DRS-2016	50%	2	1	1	€8.0M
SEC-05-DRS-2016-2017	33%	3	1	1	€2.0M
SEC-21-GM-2016-2017	29%	17	12	5	€17.5M
DS-05-2016	23%	13	11	3	€3.0M
SEC-02-DRS-2016	17%	6	3	1	€1.5M
SEC-11-FCT-2016	17%	6	2	1	€5.0M
SEC-19-BES-2016	17%	6	3	1	€8.0M
SEC-06-FCT-2016	15%	26	8	4	€12.1M
SEC-08-FCT-2016	14%	7	3	1	€5.0M
DS-04-2016	14%	22	15	3	€6.0M
DS-02-2016	11%	45	36	5	€19.0M
SEC-12-FCT-2016-2017	11%	37	23	4	€20.1M
SEC-20-BES-2016	11%	19	13	2	€16.0M
SEC-01-DRS-2016	10%	21	10	2	€15.8M
CIP-01-2016-2017	8%	36	21	3	€22.0M
SEC-14-BES-2016	8%	12	3	1	€5.0M
SEC-07-FCT-2016-2017	5%	22	9	1	€2.9M

Proposal Success Rates, Number of Proposals, Number of Proposals above Threshold, Number of Winning Proposals, Funding, per Topic

Next Steps

1. Enrol in the Irish Security Research Network (serenity) by emailing me (contact details on next slide)

2. Feature in the Irish Security Research Guide - the 8th Edition is in preparation

3. Plan to attend the SMI2G meeting

4. Examine the 'Secure Societies' work programme to determine if you've a strong proposition for an identified topic – let me know what that is and we can discuss further steps

Thank you

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