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Project ideas for H2020 Call – Secure Societies

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DRS-2-2014: Crisis Management topic 2:

Tools for detection, traceability, triage and individual monitoring of victims after a mass CBRN contamination and/or exposure

CBRN – Improved Procedures

- Goal:
 - Improved processes of detection, monitoring , triage, treatment in case of a mass CBRN incidents with advanced knowledge management tools
 - advanced knowledge management and information sharing tools for cost effective and efficient use of rare and specific resources
 - Advanced interoperability platform for better knowledge exchange between stakeholders and end users
 - Integration of citizens via crowd sourcing and crowdtasking in order to use them as information multipliers
 - Creation of awareness and training of both, first responders, as well as parts of the population. Develop scenario-based training moduls and carry out demo - training for First Responders

- Use Cases:
 - civil simulated CBRN test cases in mass incidents encompassing, detection, monitoring and triage

- Partner/coordinator/core Team:
 - IB consultancy, Thales Italy, City of Zagreb, ...

- What we need?
 - End users, members of advisory board

DRS-5-2014: Crisis Management topic 5: Situation awareness of Civil Protection decision-making solutions – preparing the ground for a Pre-commercial Procurement (PCP) - CSA

- Goal (call text):
 - create a network of potential procurers, including through the exchange of experiences between (public) stakeholders on civil protection and;
 - initiate a concrete debate on the mid-to-long term public needs that would require the development of new civil protection technology solutions with a potential role for pre-commercial procurement strategies;
 - create a roadmap for a future PCP topic to be included for an upcoming Horizon 2020 Secure Societies research call;
 - outline perspectives for large-scale testing and simulation of civil protection solution with the view to improve decision-making solutions at national and European levels;
 - improved cooperation between science and society, in particular encouraging citizens to engage in science and improving the effectiveness of interactions between scientists, civil protection stakeholders, general media and the public.

- Partner/coordinator/core Team:
 - CEIS (Lead), FOI, TNO, FHG, Diimokritos und AIT partner. Interest of OeRK

- What we need?
 - End users as partner and as members of advisory board

DRS-7-2014: Crisis Management topic 7: Crises and Disaster Resilience – Operationalizing Resilience Concepts

Cascade

- Goal:
 - Global survey of existing resilience management approaches and best practices
 - Identification of missing features of existing solutions
 - Development of an comprehensive concept to enhance the resilience of critical infrastructures
 - Development of reference scenarios
 - Framing of target groups for resilience management such as critical infrastructure providers or the population

- Use Cases:
 - Use cases will be implemented in several complexity levels (cascading levels and border crossing)
 - Use cases encompass blackout scenarios, heavy earthquakes and large scale flooding

- Partner/coordinator/core Team:
 - French Atomic Energy Commission (Coordinator), European Virtual Institute for Risk Management (D), ATOS (E), VTT (FIN), Fraunhofer INT (D), Intelligence & Science Applications (F), ACCES2S (F), Risk Governance Solutions (I), Zanasi & Partners (I), AIT (Austria), DLR (Germany), German Federal Agency for Technical Relief (D), Austrian Red Cross, Austrian, Federal Ministry of the Interior

- What we need?
 - End user, members of the advisory board

FCT-10-2014: Urban security topic 1: Innovative solutions to counter security challenges connected with large urban environment

SCRIP²T

- Goal:
 - Reduce the fear of crime and enhance the perception of security of the inhabitants of large urban environments
 - Better addressing security challenges in large urban environments.
 - Increase the perception of security of citizens by empowering them, fostering their sense of belonging to a greater community.
 - Facilitating the engagement of citizens to improve the security conditions of smart cities.
 - Bidirectional communication between citizens and police
 - Inclusion of real-time social media data in processes
- Use Cases:
 - Geo-platform for city planners and police to identify and prioritize security challenges within large urban environments by revealing and articulating the perception of crime within the population
- Partner/coordinator/core Team:
 - Fraunhofer IAO, University of Stuttgart, University of Heidelberg, Austrian Institute of Technology AIT, Freiburger Institute for Applied Social Science FIFAS, DIGEMA, MTRS3, Federal Criminal Police Office Germany, Police Service of Northern Ireland
- What we need?
 - End user as partner and members of the advisory board

FCT-12-2014: Urban security topic 3: Minimum intrusion tools for de-escalation during mass gatherings improving citizens' protection

BROUHAHA

- Goal:
 - Integrated gas and acoustic monitoring to support Law Enforcement Agencies like e.g. intervention police units in the remote and efficient localization of person groups disposed for riot triggering at mass gatherings.
 - Investigation of efficient and non-intrusive de-escalation tools for the protection of citizens and law enforcement forces during riots at mass gatherings.

- Use Cases:
 - Soccer matches,
 - Demonstrations
 - Festivities with a large participation

- Partner/coordinator/core Team:
 - Partners: 3 research organizations, 1 University, 4 SMEs, 2 LEs, 2 LEAs

- What we need?
 - Research organization with competency in Chemistry (Alcohol, Drugs)
 - Large Enterprise or SME with drug and/or alcohol sensors (at least TRL 7)
 - LEAs (Police or organization dealing with intervention in riots and mass gatherings)

Thank you!

An idea is not a single thing.



The trick to having good ideas is not to sit around in glorious isolation and try to think big thoughts. The trick is to get more parts on the table, which enable us to combine and bring different parts together.

A good idea is a network - it is all about bringing people and ideas together

*Steve Johnson,
„Where do innovation or good ideas come from?“, 2010*

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