



Horizon 2020 Secure Societies European Info Day and
Brokerage Event

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Politecnico di Milano
Alfredo M. Ronchi
alfredo.ronchi@polimi.it

Description of the Organization



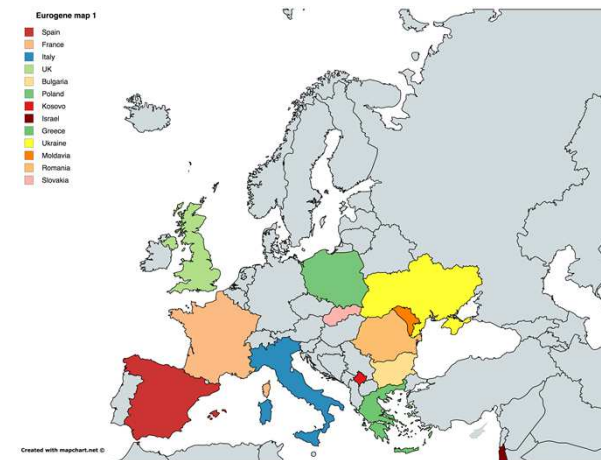
- The Politecnico di Milano (POLIMI) is one of the leading universities in Italy, training Engineers, Architects, and Designers and involving 1700 full time professors and researchers. Fondazione Politecnico di Milano (FPM) is the university foundation of the Politecnico di Milano University.
- Fondazione Politecnico di Milano hosts the International Joint Research Centre open to organisations and companies built on top of the **University Cluster “Safety, Security, Defence, Disaster Recovery and Management”**.
- Within university security issues are tackled by several departments (ICT, Chemistry, Architecture, Building and Construction, Mechanical) involving 10 research groups
- POLIMI and FPM can jointly leverage on extensive experience in FP7 (54 funded projects from 2011) and Horizon 2020 (41 funded projects)
- Among the projects with competences (ICT, security) relevant for the calls: DAEDALOS, EMICOPTER, KNOW4DRR, ManuSkills, MeLa, MODAClouds, OMP, REWIND, ROBOCAST (FP7), MISSION, PERSEUS, SPARK (Horizon2020)



SEC-15-BES Risk-based screening at border crossing



- *Requirements from the call:*
 - IA
 - At least 3 border guard authorities or custom authorities from 3 EU or Schengen Member States
 - Expected outcome TRL 7
 - Cross-cutting Priorities: Socio-economic science and humanities
- **Proposal 1 (SEC 15 BES)**
- Objectives of the Project Proposal:
 - 1. Reduce the cost of technologies in land border security applications as a result of risk-based scalable border crossing point (BCP) configuration, and off the shelf low cost technologies;
 - 2. Change border crossing point paradigm
 - 3. Improve security checks to a more advanced risk-based approach
 - 4. Integrate current physical-inspections-based security checks with contactless or low-invasive detection mechanisms
- ~~Consortium: 19 main partners, 14 different countries, of which 9 are Member States of the European Union and the other 4 countries are associated to Horizon 2020: Bulgaria (1), France (1), Hungary (1), Kosovo (1), Israel (1), Italy (3), Greece (3), Spain (1), Poland (1), Rumania/Moldavia (3), Slovakia (1), South Africa (1), Ukraine (1), United Kingdom (1).~~
5 border police Authorities, 7 enterprises, 4 research universities
3 end user, 3 associate partners



Proposal 1 - Required Partners



| No | Partner Name | Type | Country | Role in the Project |
|----|--|--------|------------------------------|--|
| 01 | Large Research Centre | RTD | EU | Key competences (IoT, sensors networks, video analysis /computer vision) |
| 02 | Large enterprise | LE | EU | System integration, Piloting and exploitation/business planning |
| 03 | Border guard authorities or custom authorities | LEA | EU or Schengen Member States | Pilot, model validation and assessment |
| 04 | Frontex/Europol/Interpol | LEA | | Pilot, model validation and assessment |
| 05 | Enterprise | LE/SME | | Detectors (explosives, chemicals, biological hazards, ...) |
| 06 | Research/University | RTD | EU | Socio-economic, personal data management, privacy, ethics |



SEC-18-BES Acceptance of 'no gate crossing point solutions'



- Requirements from the call:
 - RIA
 - At least 3 border guard authorities or custom authorities from 3 EU or Associated Countries
 - Gender; socio-economic science and humanities
- **Proposal 2 (SEC 18 BES)**
- Objectives of the Project Proposal:
 - 1. Seamless check-point
 - 2. Risk based approach, ensuring balance between ICT/digital technologies enabled security and privacy guarantee
 - 3. European Security Dashboard, smart collector/analyser of flaw data for scenario planning and product design
 - 4. TAS Trust Assessment System
 - ...
- Consortium:
 - Border Police: 2 EU +1 AC
 - Industry: 6
 - University and RTD: 4



Proposal 2 - Required Partners



| No | Partner Name | Type | Country | Role in the Project |
|----|--|------------|---------|--|
| 01 | Large Research Centre | RTD | EU | Key competences (IoT, sensors networks, computer vision, remote sensing) |
| 02 | Border guard authorities or custom authorities | LEA | EU, AC | Pilot, model validation and assessment |
| 03 | Frontex/Europol/Interpol | LEA | | Pilot, model validation and assessment |
| 04 | Enterprise | LE/ SME | EU | Seamless detectors |
| 05 | Research/University | RTD | EU | Socio-economic, personal data management, privacy, ethics, behaviour detection |



Prof. Alfredo M. Ronchi
Politecnico di Milano
S2D2 - Cluster on Security, Safety, Defence,
Disaster Recovery and Management
Tel: +39 02 2399.6040
Mob.: +39 393 0629373
E-mail: alfredo.ronchi@polimi.it
Web: <http://www.polimi.it/ricerca-scientifica/strutture-di-ricerca/cluster-e-centri/security-safety-defense-disaster-management-and-recovery/>

