

European Alliance of Secure Smart Cities and Living Labs for Societal Security

Objectives

The Alliance is aiming to join international forums, Industrial organizations and groups, public authorities and user organizations to establish a **European Alliance of Secure Smart Cities and Living Labs for Societal Security**. The Alliance is aiming to establish collaboration and exchange of best practices and experiences between:

- Smart Cities and Living Lab communities (users, industry, research, international forums)
- Security and Safety communities (users, industry, research, international forums)
- ICT communities (industry, research, international forums)

The **Alliance** is establishing a multidisciplinary forum and **partnership** that will create a platform for development of innovative technologies, methods and tools. It will allow the integration of smart systems and environments into modern European society to make it more secure and resilient.

The **Digital Services Demo Site at Helsinki-Vantaa** International airport in Finland will host the Alliance secretariat and **partnership** and will provide a space and platform for: demonstration, experimental and multidisciplinary research including service design, education, training and Living Labs federation activities

Approach

The Alliance promotes Living Lab, multidisciplinary, system of system approach and cross sector and international interoperability

The Societal Security topics considered

The Societal Security topics considered by the Alliance include but are not limited to:

- Public safety and emergency management systems and tools
- Intelligent city planning and monitoring systems and tools
- Smart border crossing at sea, land and airports
- eHealth and telemedicine
- Secure and safe intelligent traffic systems (ITS)
- Intelligent critical infrastructure monitoring and protections systems
- Intelligent environmental monitoring
- Intelligent ICT systems, networks and applications, Future Internet and IoT
- Techno-societal system of systems research for resilience and security

Federated structure

The **federated structure** of the Alliance will include **Regional Centers, Pilots** and **associated Living Labs**. The Regional Centers and Pilots will provide local focus related to the specific regional needs, environments, and cultures. Each Regional Center will decide on its focus areas, priorities and strategies.

Digital services demonstration site for societal security in Finland

- A permanent **digital services demonstration site** will be established in Finland in the area near Helsinki-Vantaa international airport (www.finavia.fi/en/helsinki-airport). The area has an excellent connections to Europe and Asia and developed local innovation environment (<http://vantaainnovation.fi/en>).
- The site will be involved in education, training, and research and will host regular business, research and other events based on its strategic programme and research agenda. It will be a neutral open platform for collaboration between users, industry and research organizations and the Alliance participants.

Alliance participation

The interested organizations are invited to participate in the Alliance as **Core Partners, Alliance Members** or **Associated Partners**.

- The **Alliance Members** are the organizations registered in EU and EEA countries and are participating and contributing to the activities of the Alliance. They could be active at regional and/or international levels and are universities, public organizations, associations, SMEs or venture capital funds and companies. The Alliance Members are those who sign the **Memorandum of Understanding (MoU)** of the Alliance.
- The **Core Partners** are the initial partners of the first framework **partnership agreement** to be signed with the Alliance. They are fully committed to the Alliance application and will raise the necessary co-funding. The Core Partners will be the members of the **legal entity** for the Alliance and will manage and control it through their membership in the Executive Steering Board. They can participate in activities at any Regional Centre and regional Pilot and are responsible or involved in the activities of their respective Regional Centre. They must fulfill minimum criteria regarding contribution to remain Core Partner.
- The **Associated Partners** obtain general information from the Association but are not members of the Alliance. Associate partners might have specific tasks at the Alliance level that are not addressed by the Alliance regional activities, Centers and Pilots. These organizations might be linked to a specific region due to their geographical location. The associated partners are signing the MoU agreement as Alliance Associated Partner.

Alliance partnership

The **Alliance partnership** consists of Alliance Core Group members and addressed the complexities of future techno-social systems, the latest technology trends and new market areas. The partnership is open to organizations that are strategically interested in multidisciplinary collaboration between leading academia, industry and research organizations for the purpose of innovation, demonstration, system integration, research and training including new systems, components, service and applications development in the areas of Societal Security.

The **partnership** and the **digital services demonstration site** will create and provide a **Living Lab environment** where new products and services could be developed, demonstrated and tested in a realistic setting and optimized according to the user needs of different regions, user groups and stakeholders.

Partnership benefits

The main benefits of the partnership for its participants include:

- the participation in the multidisciplinary group and in collaboration between different stakeholders who rarely meet and talk with each other
- The possibility to deliver new services and products that only could be developed and/or provided jointly by

the group with complimentary multidisciplinary expertise and in-depth understanding of the latest technologies and the complex user and societal needs. The partnership could provide services and products for complex operational environments with cultural, organizational diversities and complex risks.

- the in-depth understanding of users requirements and societal needs in new services considering local, national and international aspects of societal security

The examples of new products and services include:

- techno-social and enterprise level public safety and security systems and organizational concepts including: multi-dimensional situation awareness systems and tools, risk communication and management systems for different market segments such as environmental risk management, public safety, nuclear safety, border management and cross-border risk communication

- urban planning and management systems and tools including urban infrastructure monitoring and management, intelligent traffic systems, integrated security systems, telemedicine and healthcare

- international emergency management systems and tools including decision support, risk monitoring and prevention tools, multidimensional network centric disaster relief management systems

- development of **public private partnerships (PPP)** and **Living Labs** in the different areas of societal security adopted to regional, national and international markets, environments and ecosystems

Organizational structure of the Alliance

The Alliance structure will include a number of committees and working groups developed according to the members needs. The Alliance detailed membership rules, fees will be established and formalized on the legal framework.

Alliance development plan and next steps

- To invite key relevant forums and organizations to participate in the Alliance and its partnership. The MoU between different international forums will create a multidisciplinary forum of forums for dissemination and exchange of news and information.
- To set up a number of workshops and public events to bring together interested communities and stakeholders.
- To establish the **Alliance Core Group**. The Core Group meeting to be hosted at one of the planned events where the partnership agreement between the Core Group members, participation in Demo Site and in Regional Centers and Pilots will be discussed.
- To establish Alliance secretariat and legal entity

Calendar of planned event

- Horizon 2020 Networking event in Finland - May 2014 (to be announced at TIEMS web site - <http://tiems.info>)
- Secure and Safe Smart Cities event at 10th ITS Conference in Helsinki - 16 June 2014 - www.itsineurope.com/its10

Contact information

The organizations interested to participate in the **Alliance** and the **partnership** are invited to contact TIEMS Finland Association at siela@nic.fi.