OBJECTIVES

The goal of BRIDGE is to increase safety of citizens by developing technical and organisational solutions that significantly improve crisis and emergency management. A BRIDGE platform will provide technical support for multi-agency collaboration in large-scale emergency relief efforts. The key to this is to ensure interoperability, harmonization and cooperation among stakeholders on the technical and organisational level.

The vision of the BRIDGE project is to
• Facilitate cross-border and cross-agency collaboration;
• Allow the creation of a common, comprehensive, and reliable operational picture of the incident site;
• Enable integration of resources and technologies into workflow management;
• Enable active ad-hoc participation of third parties.

Social practices, ethical concerns, legal and bureaucratic demands must be taken into consideration during the realization of this vision. Therefore, BRIDGE will facilitate constructive deep integration of multi-dimensional social, legal, ethical analysis into ambitious inter-disciplinary user-led socio-technical innovation.

BRIDGE: Bridging Resources and Agencies in Large-Scale Emergency Management

BRIDGE will build a system to support interoperability – both technical and social – in large-scale emergency management. The system will serve as a bridge between multiple First Responder organisations in Europe, contributing to an effective and efficient response to natural catastrophes, technological disasters, and large-scale terrorist attacks.
EXPECTED RESULTS

BRIDGE will deliver socio-technical innovation in multi-agency emergency collaboration. Ethnographical work will construct a deep understanding of the first responders’ domain, also in terms of social, legal and ethical issues. The technical platform will deliver:

- Methods and tools that support run-time intra- & inter-agency collaboration;
- A middleware allowing data, system & network interoperability;
- Advanced human-computer interaction techniques for effortless exploration of high-quality information;
- Enhanced organizational workflows & communication processes.

BENEFITS FOR FIRST RESPONDER COMMUNITY

BRIDGE aims for support in rapid decision making during a large-scale, multinational crisis response. The results should:

- Enable more efficient performance;
- Reduce workload;
- Improve quality and efficiency of situation assessment, decision making, and timeliness and effectiveness of communications and coordination;
- Optimize the use of resources;
- Strengthen competitiveness of EU technology and service providers in knowledge-based economies and the public sector.

END-USER ADVISORY BOARD

In order to guarantee active end-user involvement during the whole project, BRIDGE established an advisory board of national end-user organisations representing different areas within emergency management. This expert-level group forms a steering committee for the project and reflects the BRIDGE objectives and achievements from the customer point of view. Furthermore, it ensures that the project remains aligned with end-user needs and technology trends during the course of its execution and that the project results remain beyond state-of-the-art.

CONTACT

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