PROJECT

PANDHUB

Prevention and Management of High Threat Pathogen Incidents in Transport Hubs

Funding: European (7th RTD Framework Programme)
Duration: Nov 2014 - Oct 2017
Status: Complete

CORDIS RCN : 192353

Objectives:

PANDHUB will create an integrated toolbox to aid transport operators and relevant actors in major transport hubs in the development of their current pandemic and dangerous pathogen preparedness and response plans. The project is intended to cover the extraordinary aspects specific to serious natural or man-made pathogen threats in the transport environment by providing accurate, reliable and validated information for the incident threat assessment, preparedness and response phases.

The toolbox will include modelling components to simulate the spread of diseases and to evaluate the effects of countermeasures. The impact of these contact tracing and epidemiology tools will be the facilitation of an efficient and rapid response to a cross-border incident, thereby supporting the capability to limit spread and save lives. Co-ordinated and appropriate data collection, collation and analysis tools developed here, will allow swift ‘joined-up’ epidemiological investigation of a developing situation in order to integrate with, and inform, other technologies and expertise. The capability provided here will largely be achieved through early and close collaboration with transport staff and end-users, and borne out of review and integration of the local and national practical, legal and ethical implications necessarily involved when an incident and its response is multinational.

The developed tools will be widely tested through workshops and field exercises. The feedback from these experiments will be used for validation and further development of the tools.

Parent Programmes:
FP7-SECURITY - Security

Institute type: Public institution
Institute name: European Commission
Funding type: Public (EU)

Partners:
- TEKNOLOGIAN TUTKIMUSKESKUS VTT, Finland
- ASSISTANCE PUBLIQUE - HOPITAUX DE PARIS, France
- Department of Health, United Kingdom
- MEDES-INST MEDECINE PHYSIOLOGIE SPATIALE, France
- ITÄ-SUOMEN YLIOPISTO, Finland
- THE UNIVERSITY OF NOTTINGHAM, United Kingdom

Teknologian tutkimuskeskus VTT

Organisation: Oy
Address: VUORIMIEHENTIE 3
Zipcode: 02150
City: Espoo
Contact country: Finland
Telephone: +358 405261102
Fax Number: +358 207223499
Technologies:

- Infrastructure management
- Multimodal border management technologies

**Development phase:** Research/Invention

**STRIA Roadmaps:** Infrastructure

**Transport mode:** Multimodal transport

**Transport sectors:** Passenger transport

**Transport policies:** Safety/Security

**Geo-spatial type:** Infrastructure Node