



IN-PREP

Project Introduction

Evangelos Sdongos

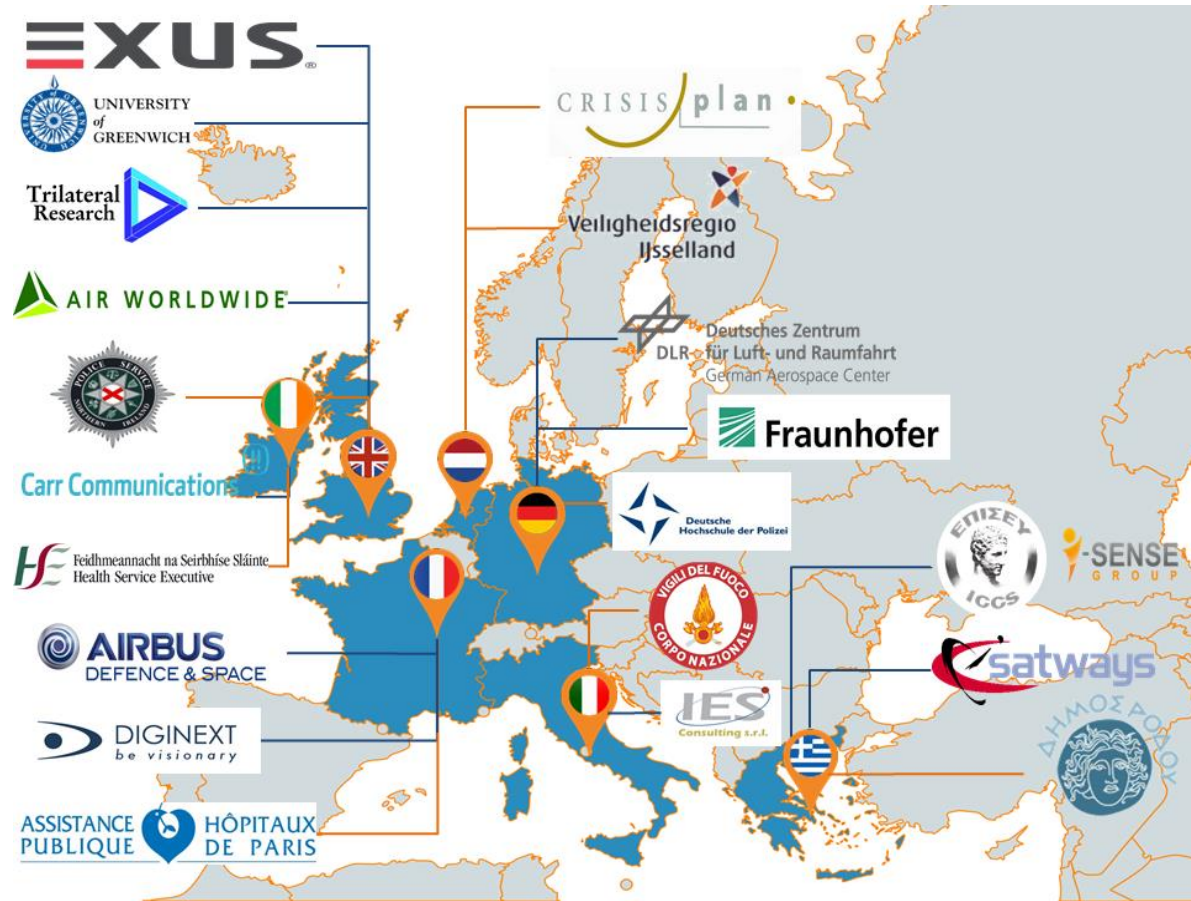
Institute of Communication & Computer Systems



Presentation Contents

- 1 IN-PREP Facts & Figures and Challenges/Motivation
- 2 IN-PREP Objectives
- 3 IN-PREP Outcomes (Technology and Policy)
- 4 IN-PREP Implementation

IN-PREP Fact & Figures



SEC-01-DRS-2016: *Integrated tools for response planning and scenario building (IA)*

Total Funding: € 9,580,781.25

EC Requested Funding: € 7,999,556.25

Training Programme: *3 Exercises & 3 DEMOs*

Consortium: *20 partners from 7 MS (7 end users, 6 SMEs and 3 Industries, 3 RTOs and 1 UNI)*

Challenge & Motivation



- Not sufficient links in existence among actors in disaster risk management (incl. **preparedness** & **response**)
- Response planning and the building of realistic multidisciplinary scenarios must be improved (TRAINING → OPTIMISE RESPONSE)
- IN-PREP identified 3 principal needs (for MS' crisis management practitioners):
 - Shared response planning (across borders and agencies)
 - Real-time information sharing
 - Shared coordination of assets and resources



IN-PREP Target Markets/Stakeholders



A search team managed to rescue an earthquake survivor who needs to be brought to hospital immediately (exercise in Bulgaria). © European Union/ECHO

Practitioners (civil protection, fire brigades, emergency medical services and police services)
to be trained and validate IN-PREP



ERCC operations, training exercise © European Union/ECHO



EU (ERCC, ECHO, JRC, CoU) & MS Ministries (Ministry of Interior, public order, civil protection)
to update policy framework and buy IN-PREP



The general public (citizens, volunteers, special groups)
to be aware and benefit from IN-PREP



EU Crisis Management Projects (e.g. HEIMDALL, DRIVER, DARWIN, etc.)
to exchange knowledge and interface with IN-PREP



IN-PREP



Example systems from IN-PREP partners

Technology providers (IS, SA, C2, Simulation/Training Tools)

Liaise with IN-PREP (new business opportunities for IN-PREP partners)

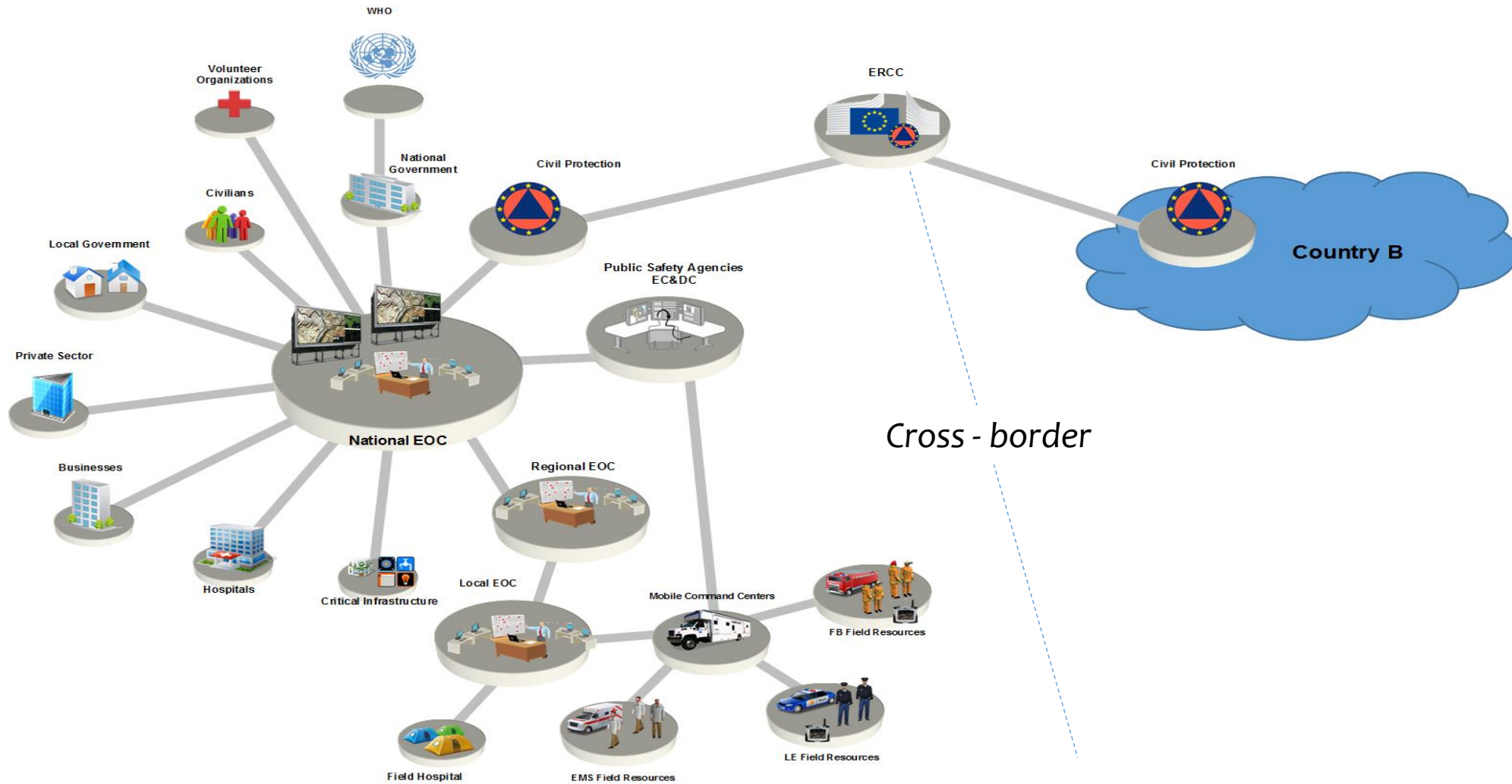


IN-PREP at a glance

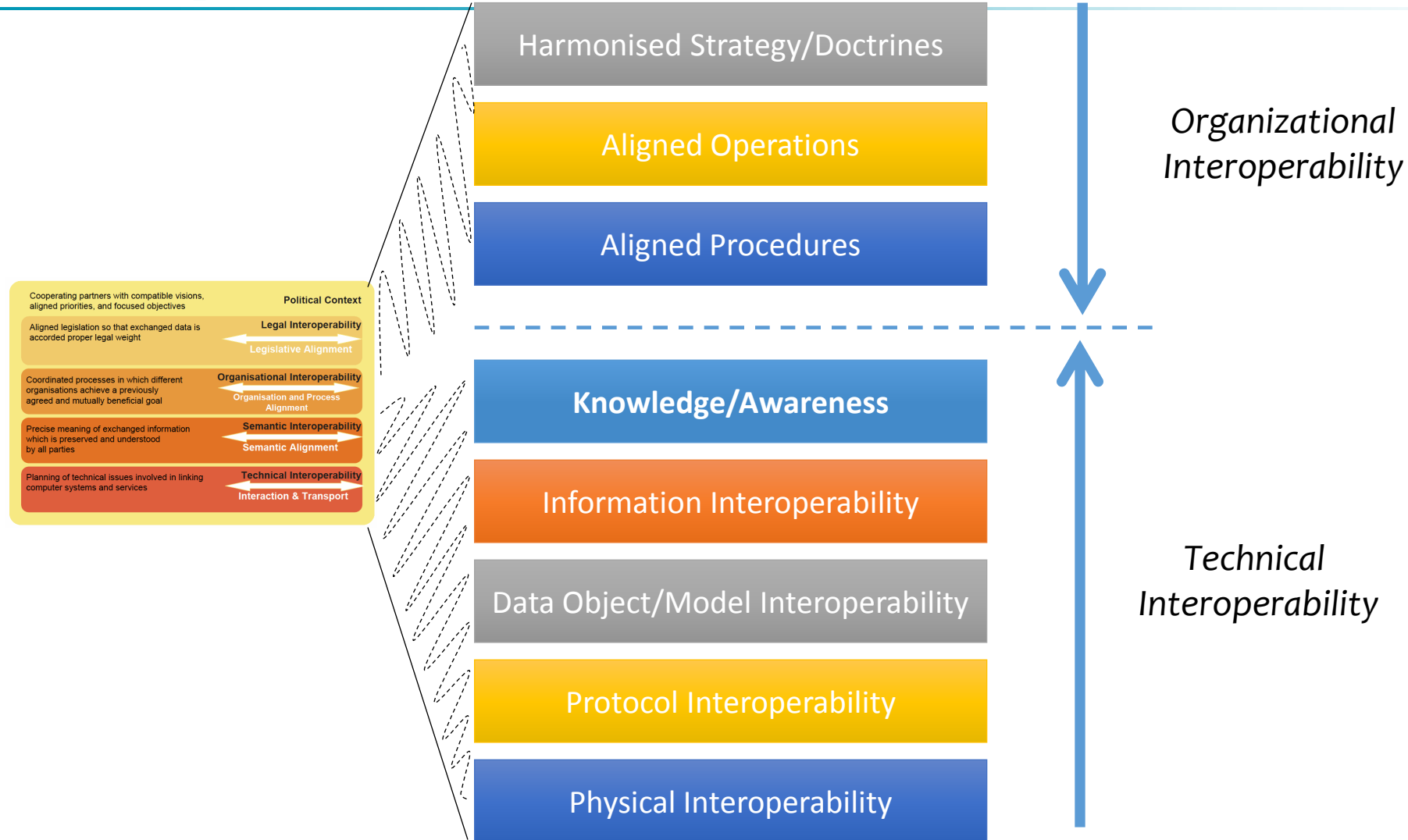


- Integrate **technology** and upgrade **operational procedures** in support of an effective EU-coordinated response to transboundary crises
 - **Training platform** (technology-side) & **Handbook of Operations** (organisational/policy-side)
 - The proposed framework will not only improve preparedness and planning but can be also applied *during joint interventions*, thus improving the joint capacity to respond.

Diverse CP Organizations



Interoperability



IN-PREP Technology (The MRPP for Training and Response)

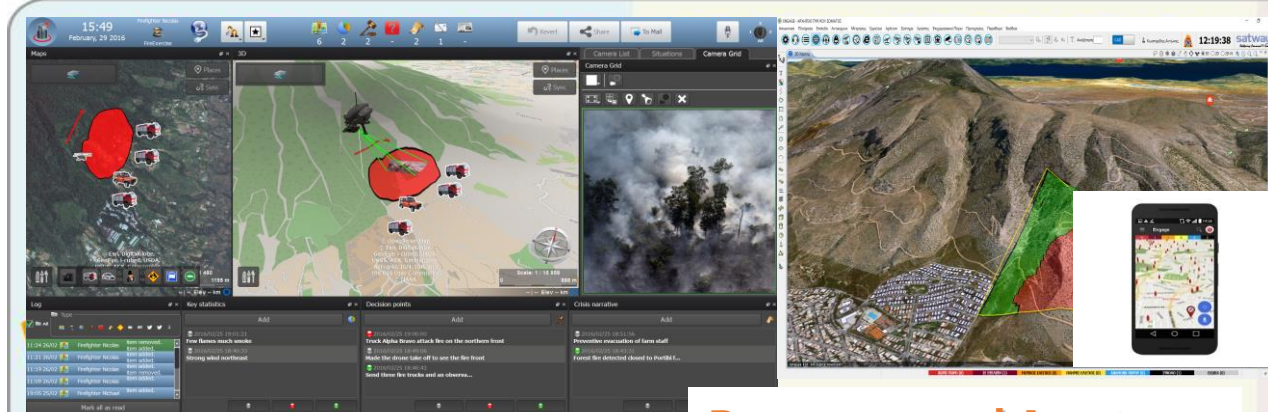
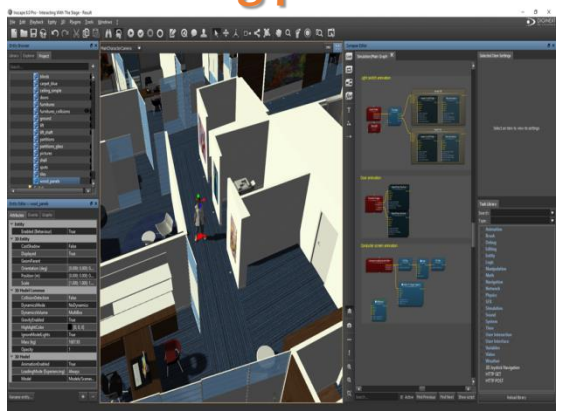
Authoring platform

C2s/Training Tool for planning and rehearsing missions (IN-PREP & CP users)

TRAINEES/RESPONDERS



Exercise



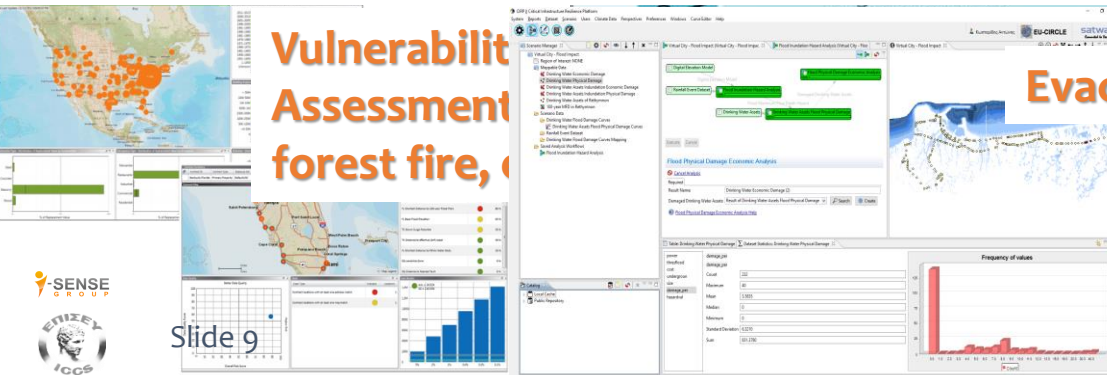
Resources and Assets Management



EO & Sensor & Comms

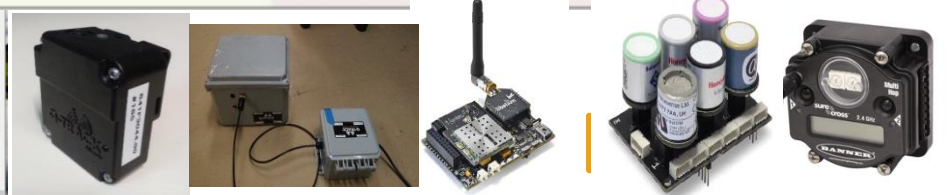


Information fusion from different sources & Decision support



Vulnerability Assessment forest fire, etc

Evacuation Modelling



IN-PREP Handbook of Operations (IN-PREP procedural/operational flow upgrade as Recommendations)



**Study the disasters
and how are
managed to enhance
training**



**IN-PREP Handbook
(Policy, Procedures,
Operations)**

1. Inventorise national disaster management plans
2. Gaps and shortcomings identification (tech./organis.)
3. Human behaviors and sources of failures identification

**Capability/Impact –
based planning process
cross agency/country
+
Validation/Evaluation of
IN-PREP Technology**

1. Lessons learnt
2. Recommendations
3. Check-lists

IN-PREP Training Programme

Table-top Exercises (TTXs)

Industrial Accident –
SEVESO/CBRN threat
(CNVFF, all - **Nov '18**)



Evacuation of cruise
ship table-top exercise
(CNVVF, all - Apr '19)



Massive flood table-
top exercise (SRIJ, all



Aug '19)



Slide 11

Demonstrations (DDSs)

Cross-border terrorist
attack (PSNI, all – Oct '19)



Earthquake & CI cascading
failures (comms – energy)
demo (CNVVF, all – Jan '20)



A large forest fire in the
middle of refugee crisis
(RHO, all – Apr '20)





**Thank you for
your attention**

Any questions?

📍 **Evangelos Sdongos, Institute
of Communication and
Computer Systems**

✉ **evangelos.sdongos@iccs.gr**

☎ **+30-210-772-2467**