DRS03: Pre-normative research and demonstration for disaster resilient societies

Subtopic 2020: First aid vehicles deployment, training, maintenance, logistic and remote centralized coordination means

Marie-Christine Bonnamour, David Lund
20 May 2020

DRS03 asks for...

'Improved standards and common communication data exchange mechanisms are required for an effective deployment of resources during the run-up to a major crisis related to any kind of disaster'

Discussion of today:

– **What is interoperability?**

– **Research projects for improving interoperability**

– **Standardisation activities**

Your speakers:

Marie-Christine BONNAMOUR, PSCE Secretary-General

David LUND, PSCE President

Who is PSCE ?

Public Safety End Users
Saving Lives!
Managing Strategy, Tactical Planning & Operations
Running, Managing & improving the effectiveness
of Public Safety Communication
Processes

Would this new idea
work for you?

We have this problem
or limitation,
can you find a solution?

New and improved
Communication
Applications,
Services, Devices
and Networks

Collaboration to develop new
Applications, Services, Devices
and Networks

Researchers
Research and Development of novel
improvements for Public Safety
Communication -Legal, social,
Process and Technology

Industry
Development and Supply
of Communication Applications,
Services, Devices and
Networks

We want to improve our
products and services

What is interoperability?

Wikipedia definition:

'a characteristic of a product or system, whose interfaces are completely understood, to work with other products or systems, at present or in the future, in either implementation or access, without any restrictions (technical definition)'
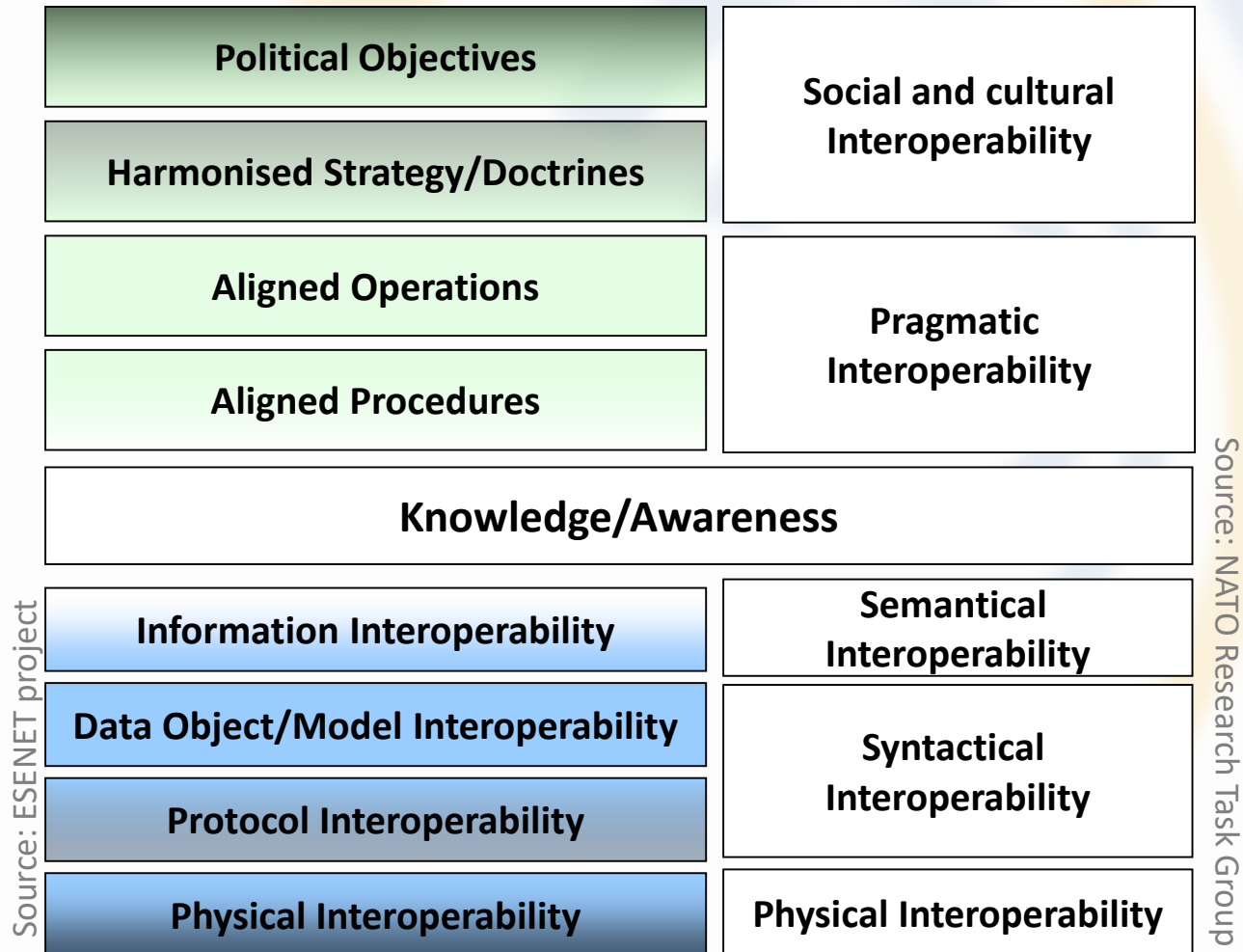
What is interoperability?

Aims:

To facilitate the possibilities to act together coherently, effectively and efficiently.

Ex: Pooling of equipment
    Working together

What is interoperability?

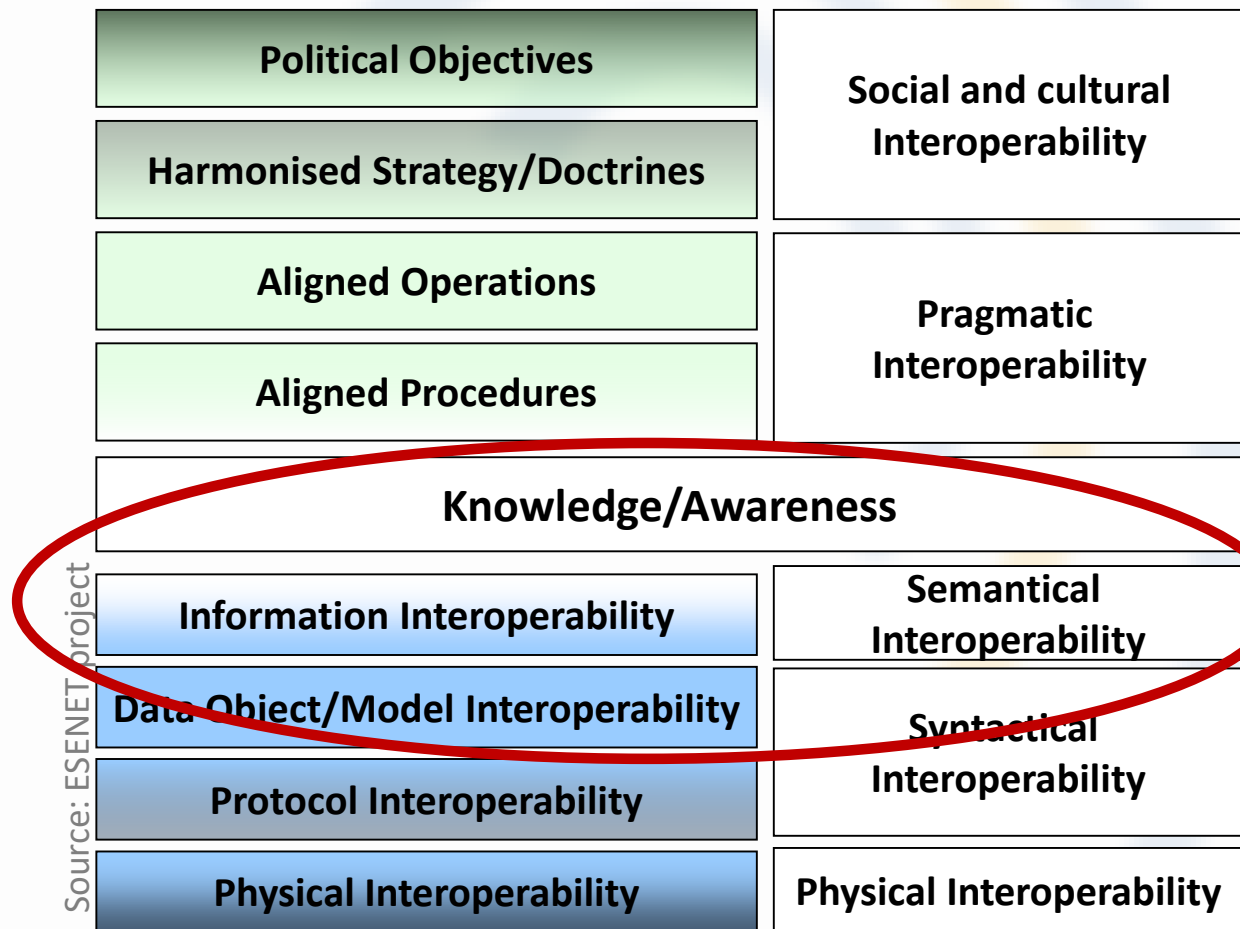**Different layers of interoperability as defined by NATO**

Political Objectives	**Social and cultural Interoperability**
Harmonised Strategy/Doctrines	
Aligned Operations	**Pragmatic Interoperability**
Aligned Procedures	
Knowledge/Awareness	
Information Interoperability	**Semantical Interoperability**
Data Object/Model Interoperability	**Syntactical Interoperability**
Protocol Interoperability	
Physical Interoperability	**Physical Interoperability**

Source: ESENET project

Source: NATO Research Task Group

What is interoperability?

PSC Europe — Public Safety Communication Europe

COncORDE — *Decision Support System (DSS) to improve preparedness and interoperability of medical services during an emergency*
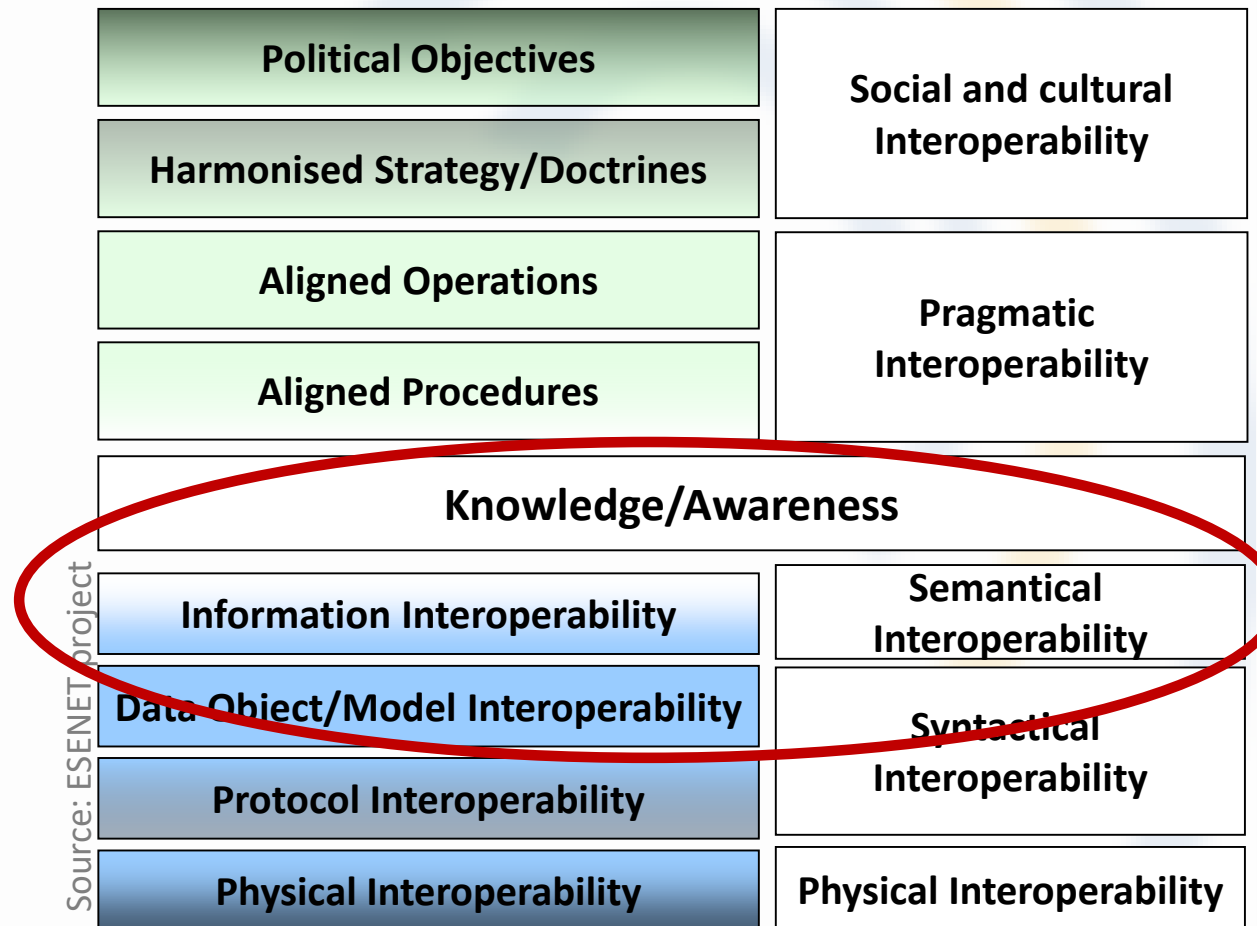
ESENET project	NATO Research Task Group
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What is interoperability?

EPISECC

Establish a Pan-European Information Space to Enhance seCurity of Citizens

https://episecc.eu

Political Objectives	Social and cultural Interoperability
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Aligned Operations	Pragmatic Interoperability
Aligned Procedures	

Knowledge/Awareness

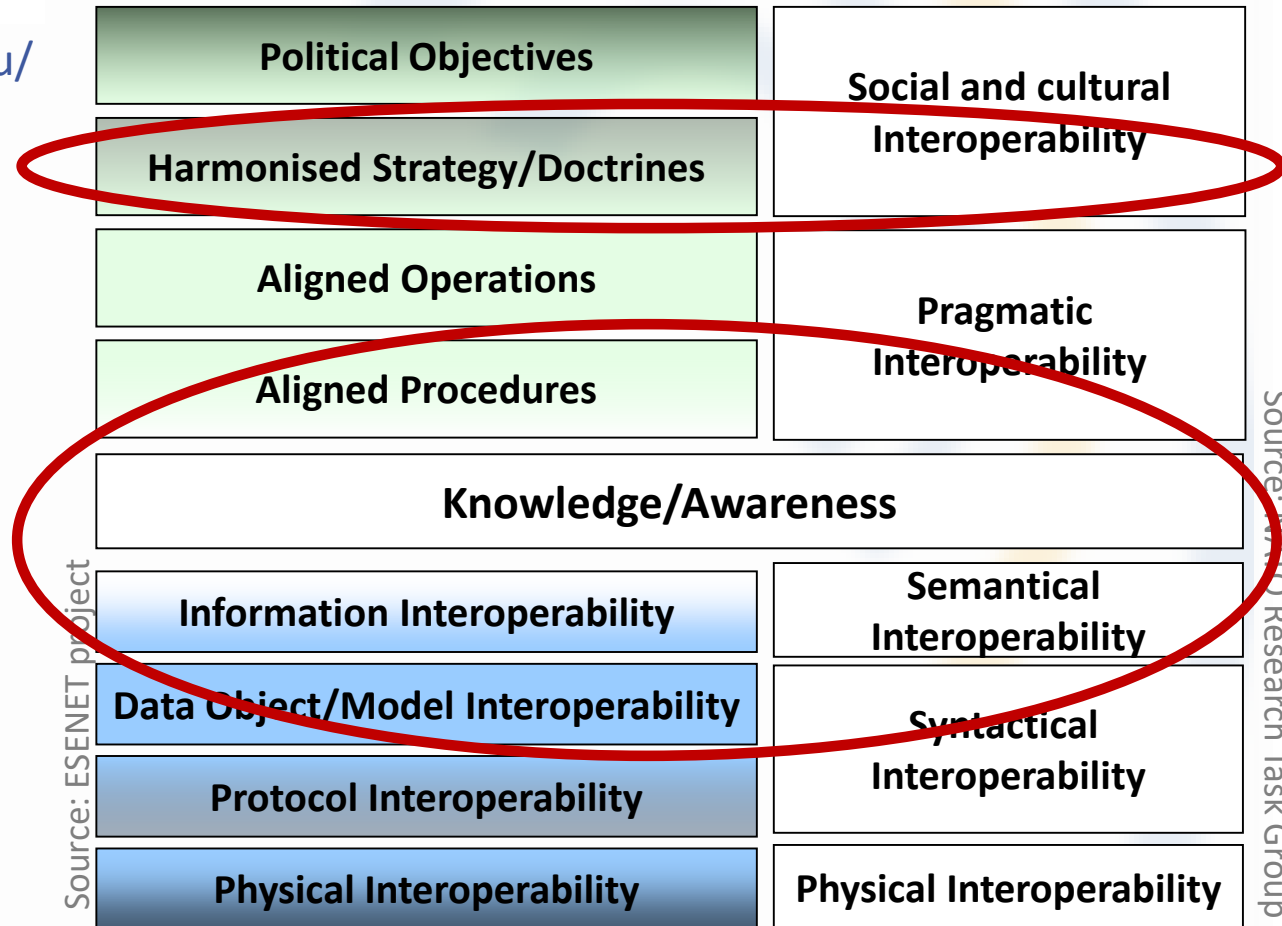| Information Interoperability	Semantical Interoperability
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Source: NATO Research Task Group

What is interoperability?

driver+
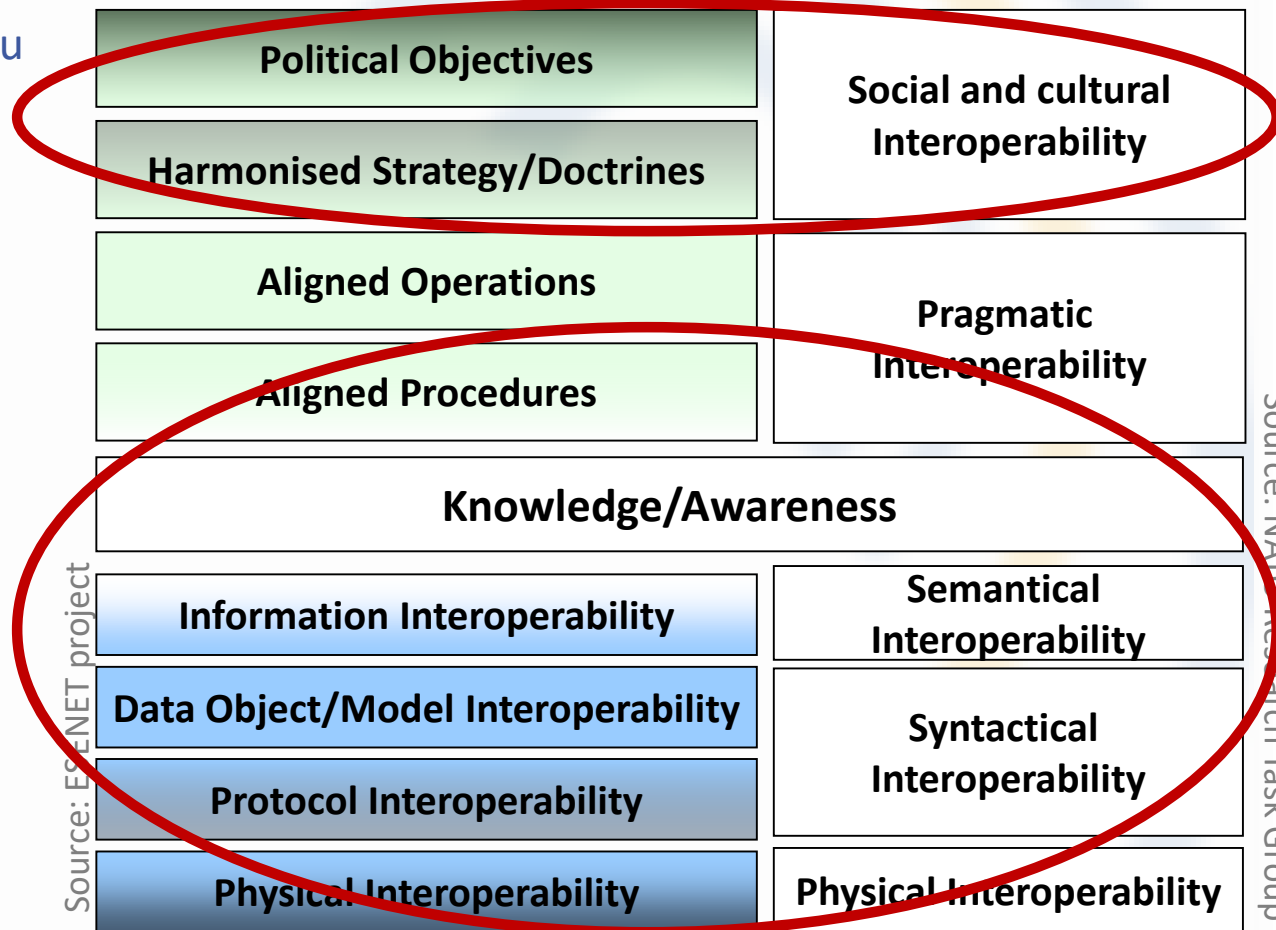Driving Innovation in Crisis Management
for European Resilience

Driving Innovation in Crisis Management for European Resilience

https://www.driver-project.eu/

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What is interoperability?

BroadWay

https://www.broadway-info.eu

Procuring Innovation activity to enable a pan-European broadband mobile system for PPDR

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Source: ESENET project

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Research => Standards

ISO Proposal – Societal Impact Assessment Framework

CEN Workshop on the Trial Guidance Methodology (TGM)
https://www.cen.eu/news/workshops/pages/ws-2019-007.aspx

CEN Workshop on the semantic and syntactical interoperability for crisis and disaster management
https://www.cen.eu/news/workshops/Pages/WS-2019_006.aspx

Standards => Capability

CEN Workshop on the Trial Guidance
Methodology (TGM)
https://www.cen.eu/news/workshops/pages/ws-2019-007.aspx

CEN Workshop on the semantic and
syntactical interoperability for crisis and
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![PSC Europe - Public Safety Communication Europe]

![BroadWay]

https://www.broadway-info.eu

Procuring Innovation activity to enable a pan-European broadband mobile system for PPDR

Realising Operational Mobility for Responders Across Europe

Building upon this for DRS03

DRS03: Pre-normative research and demonstration for disaster resilient societies
Subtopic 2020:

Standards and Operating Procedures for:

First aid vehicles deployment, training, maintenance, logistic and remote centralized coordination means

![PSC Europe - Public Safety Communication Europe]

- Thanks for Listening !!

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