

European Critical Communication System EUCCS by 2030

ProtectEU – Internal Security Strategy - 1st April '25



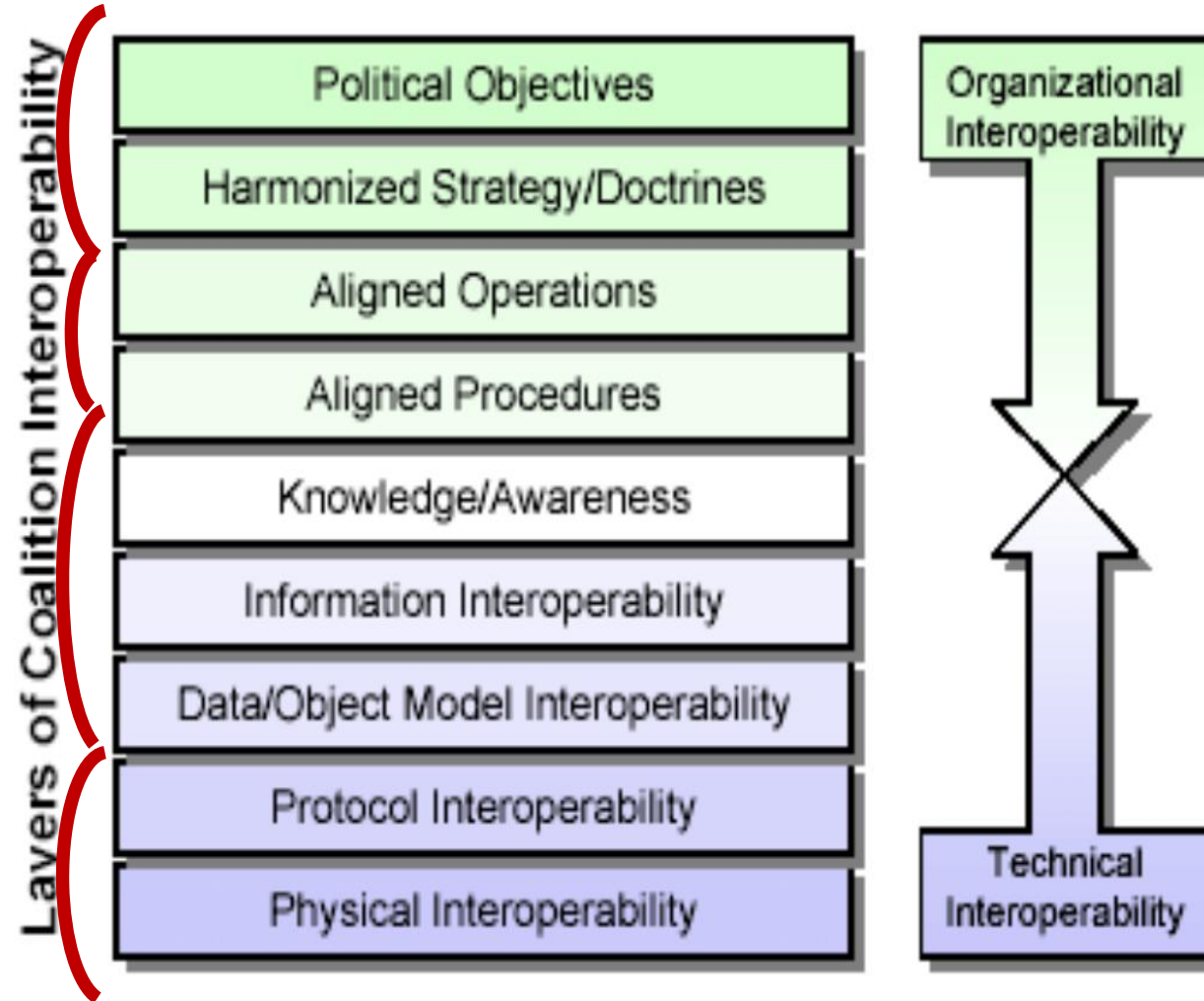
Points of Interoperability for EUCCS

European Level,
agreed by EU and Schengen
Member States

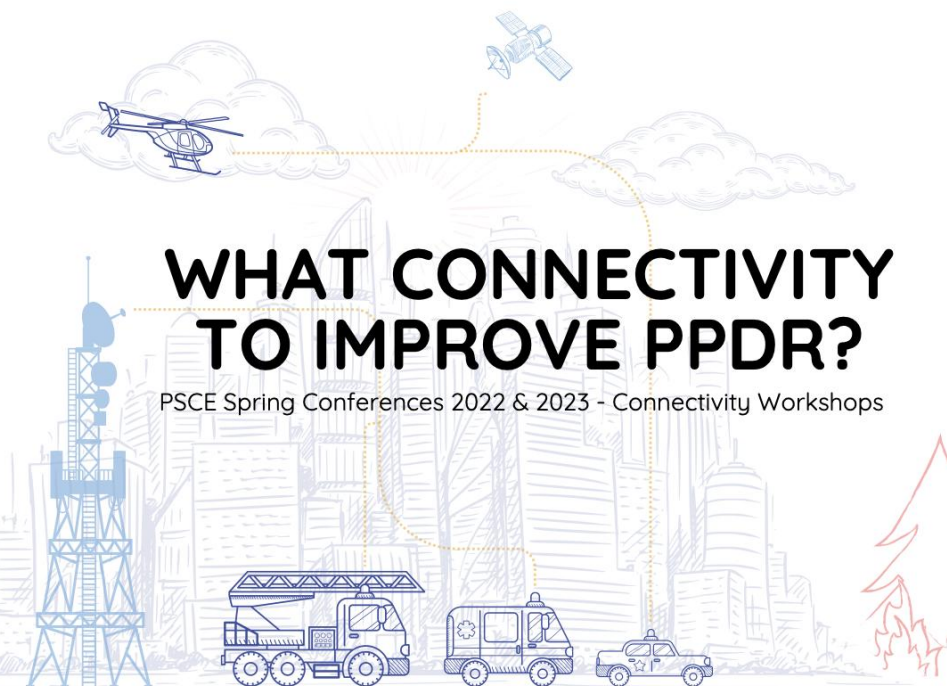
Operational Mobility

Information Exchange

Use of 3GPP standards



Resilience !!!



WHAT CONNECTIVITY TO IMPROVE PPDR?

PSCE Spring Conferences 2022 & 2023 - Connectivity Workshops



PRIORITIES FOR SAFETY STRATEGIC GOALS

How interconnectivity research and innovation could create benefit and positive change for safety.

BORDERLESS NETWORKS



Safety requires borderless systems, with actors who are already vetted, and connectivity that works as responders move around.

SEAMLESS AVAILABILITY & UBIQUITY



Communication tools should work everywhere. Information should be available from anywhere to anywhere.

INTEROPERABILITY



First responders from different agencies and countries use different communication systems and data streams but need interoperability.

LEARNING FROM EXPERTS NOT AT THE SCENE



Local responders need to be supported by specialists who are not onsite, providing an added layer of knowledge and expertise that a phone call cannot provide.

REALTIME CONTINUOUS MONITORING



Ability to assess responders' health, location, equipment, and their wider situation to ensure safety, readiness to be called upon, and confidence in policies and leadership.

RAPID DEPLOYMENT



Support more efficient and effective pan-European coordinated multidisciplinary rapid deployment teams from anywhere in Europe.

SHARED SITUATIONAL AWARENESS



Exchange of knowledge and data regardless of jurisdiction or discipline for a dynamic overview of assets, decisions, and information.

DYNAMIC ALLOCATION OF CAPACITY



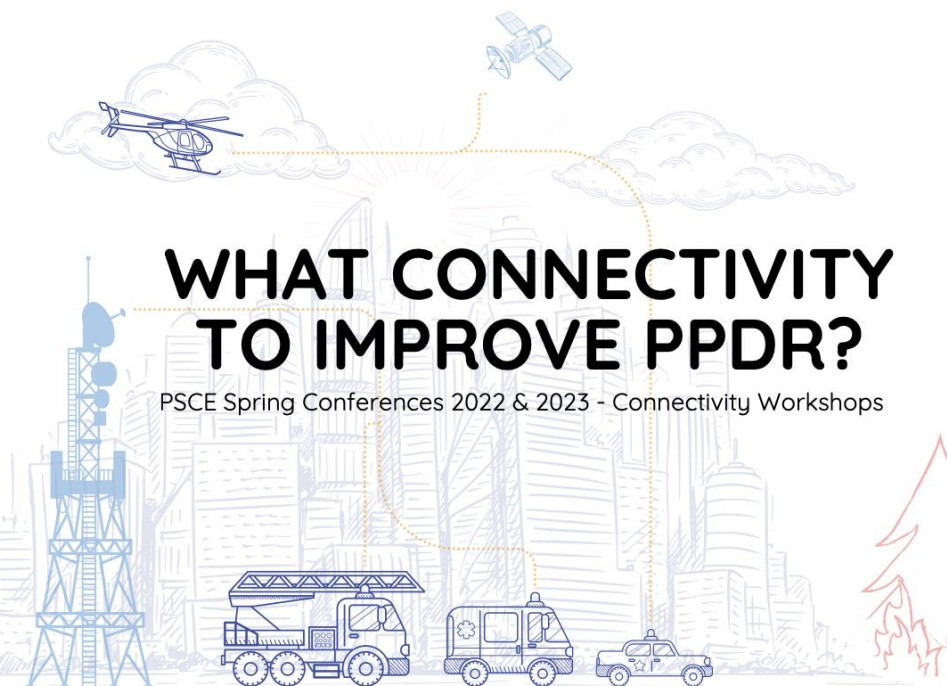
Dynamically allocate connectivity capacities to address the changing communication and knowledge needs of different phases of a crisis.



BETTER USE OF LIMITED RESOURCES



Reach more people with PPDR services, equalising benefits via responsibility and accountability structures.



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UNDERLYING NEEDS FOR CONNECTIVITY

Features connectivity systems should have to enable the success and beneficial impact of work towards safety goals



WORK ACROSS DIVERSE STANDARDS & APPLICATIONS

Infrastructure needs to build upon pre-existing capacities, different systems and network, tool typologies, levels of security, end-user points, practices, and onboarding.



MAINTAIN CONTINUOUS COVERAGE OF NETWORK & SERVICES

Communication needs to work inside buildings, in dense cities, in rural areas, in blackouts, all without users changing the tools in their hands.



SUPPORT COMPLEX ENVIRONMENTS

Safety requires complex communication and information that draws together multiple modes and methods of gathering and sharing.



IMPROVE INFRASTRUCTURE

Existing infrastructure does not establish the necessary connectivity framework and priorities to meet the PPDR strategic goals.



BALANCE LOCAL, NATIONAL & EU REQUIREMENTS

Standards and objectives should not be rules but structures that allow flexibility to maintain local cultural and organisational differences yet support collaborations.



BUILD ECOSYSTEMS, NOT NETWORKS

Context, use, training, readiness, public support, governance, and impacts need to be considered to not exacerbate the existing lack of common semantics, cultures, processes, policy, and motivations.



ENSURING TRUST, IN ALL ITS MODULARITY

Trust is built upon novel interactions and governance structures between people, technology, organisations, and the public.



BE AFFORDABLE & AVAILABLE

Safety solutions should be available to all, quickly and inexpensively.



CREATE SIMPLE & WORRY-FREE PROCESSES

Those engaged in safety need to focus on the concern at hand, not the complexity of how a system works.



