



LAUREA
UNIVERSITY OF APPLIED SCIENCES
Together we are stronger

The Aim and Purpose of EUCISE2020

Were we successful and how we must continue?

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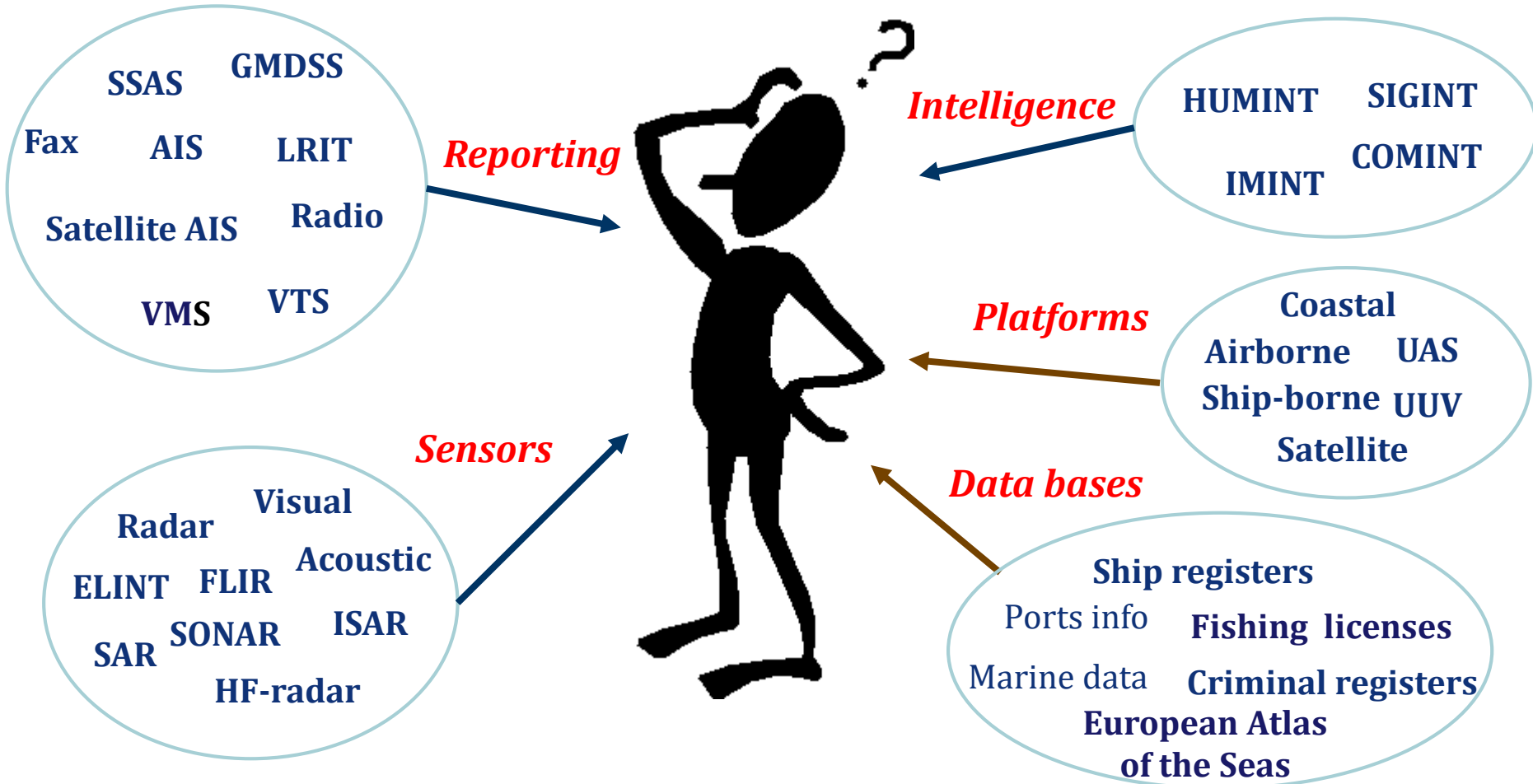
CONTENT OF THE PRESENTATION

1. Background and facts

2. Understanding the future

3. Conclusions

PROMLEM STATEMENT: MARITIME SURVEILLANCE HAS A LOT OF INFORMATION...BUT OFTEN NOT SHARED!



Silos & fragmentation hinder maritime awareness

MS Coastguard functions

Defence
(EDA)

Border control
(Frontex)

Fisheries Control
(EFCA)

- Member States have up to 17 maritime surveillance IT systems each
- 80% of all data remain in MS IT systems
- EU systems (agencies) facilitate only 20% of exchanges across *borders*
- Most systems are *not* compatible across *sectors*

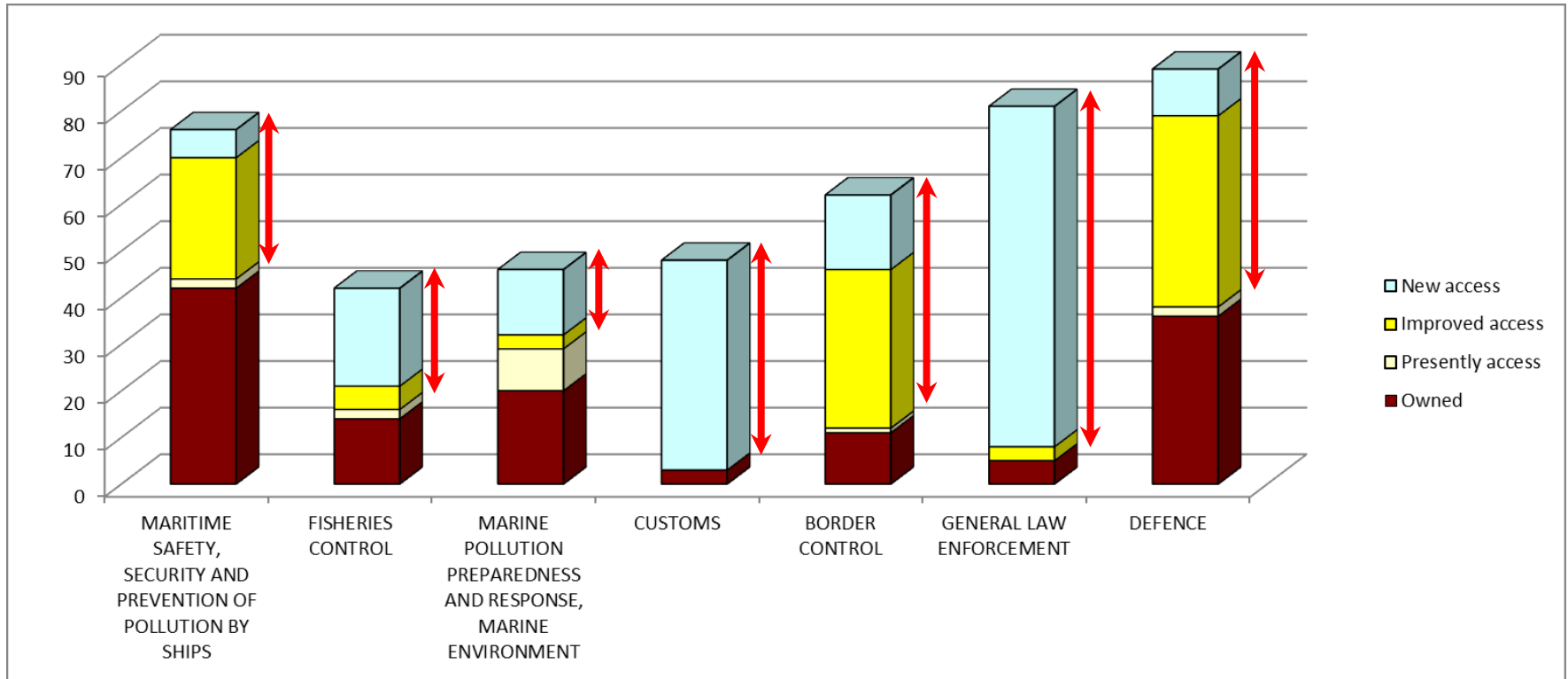
Maritime safety
(EMSA)

Customs

Maritime environment
(EAA)

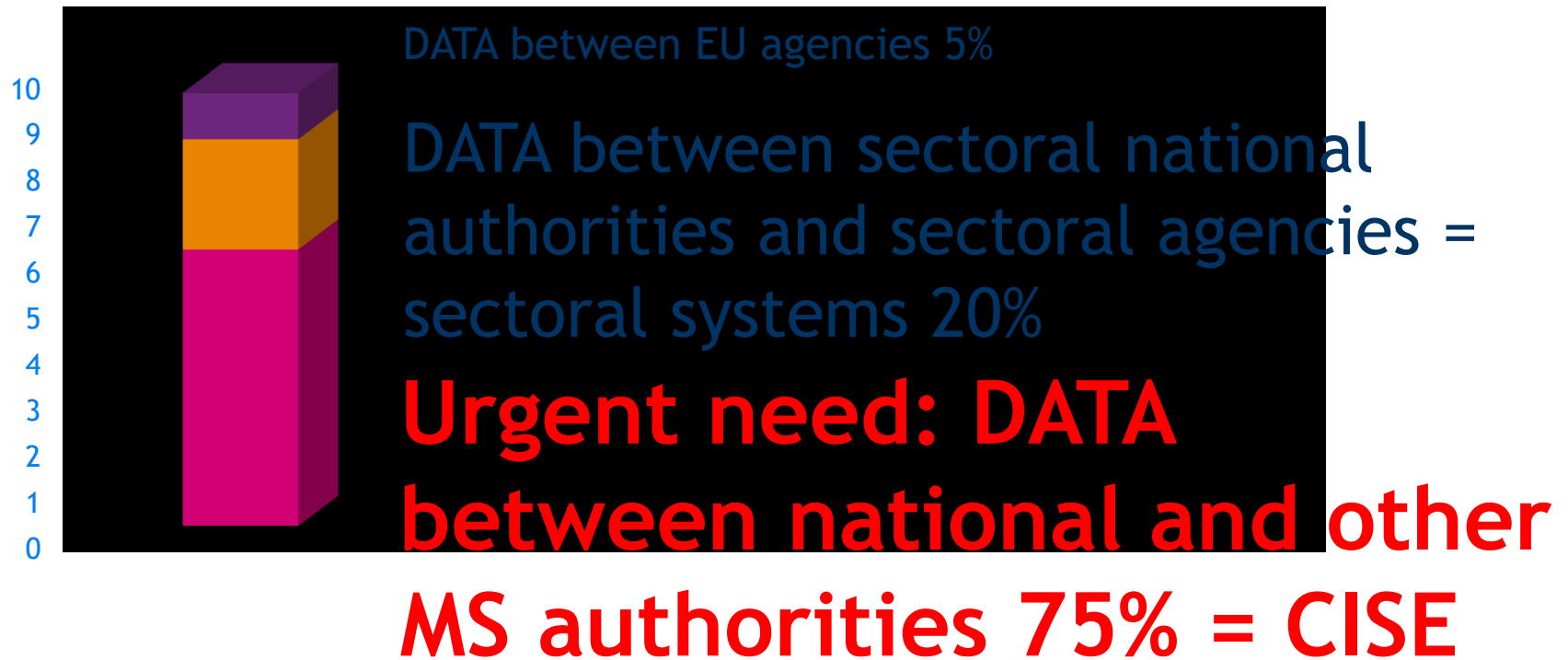
General law enforcement
(EUROPOL)

INFORMATION GAP IS STILL THERE TODAY



User Communities requested to increase their access to data, through CISE, by an amount ranging between 40% and 90%.

To simplify: DATA EXCHANGE NEEDS has to be solved



Maritime interoperability solutions can be described in three layers (suggested approach by EC)

- ▶ Layer 1: the exchanges among EU Agencies (mandatory - EC led initiative - existing) 5 %
- ▶ Layer 2: the exchange between Member State authorities and EU Agencies (mandatory - EC/MS led sectoral initiatives - existing) will continue to support a better flow of information to comply with EU legislation 20%
- ▶ Layer 3: **Missing**: the exchange within or among Member States authorities (voluntary, if not covered by mandatory provisions in Union law, but must be supported by EU funding) 75%

Reminder: CISE benefits for the EU

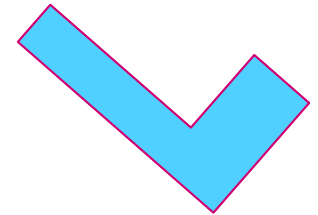
- ▶ Breaking silos between authorities
- ▶ Bringing interoperability to all maritime surveillance systems
- ▶ Enhancing cooperation between civilian and military authorities
- ▶ Reducing threats at sea by 30% (**EMSS**)
- ▶ Enhancing efficiency and cost effectiveness
- ▶ Saving taxpayer's money (**total cost to establish CISE: 143 million € (over ten years)**
Benefits (impact) once CISE in place: 2 billion € (over ten years))

DOES CISE MATCH EUROPEAN MARITIME SECURITY STRATEGY (EMSS/CISE)

EMSS/**CISE** four core principles

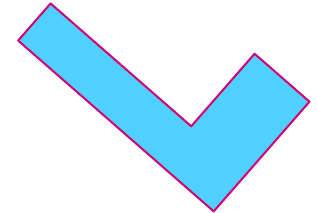
1. A cross-sectoral approach

To improve coordination/ **Building a technical framework for interoperability**



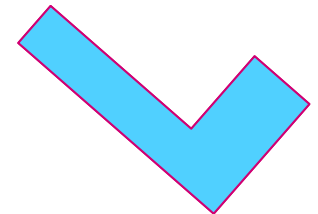
2. Functional integrity

To build on existing mandates/ **Information Exchange between civilian and military authorities**



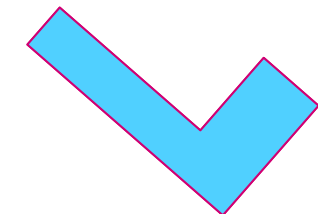
3. Maritime multilateralism

To promote better cooperation/ **Interlinking all relevant user Communities**



4. Respect for rules and principles

To respect rule-based good governance/ **Specific legal provisions**



Maritime interoperability requires:

**TO DO
(EC + MS's)**

Alignment of legislation
across Member States

Legal



Alignment of organisational
structures, policies, processes and
business models across different
organisations

Organisational



EUCISE2020

Alignment of the meaning of
information

Semantic



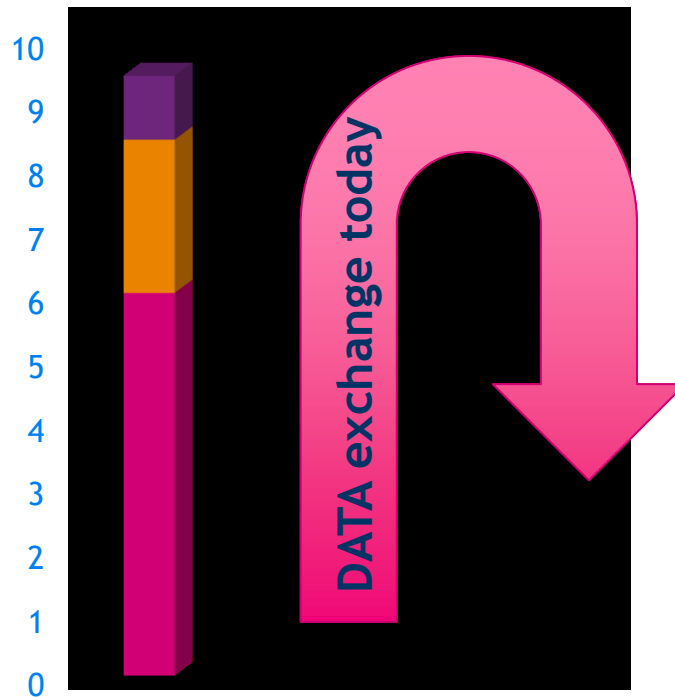
Alignment of technical issues

Technical

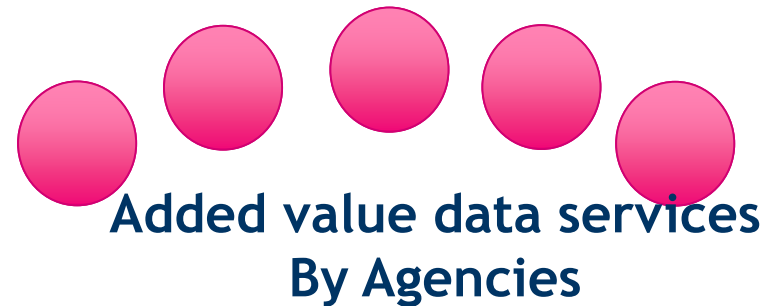


NEED BASED APPROACH MUST BE ACHIEVED

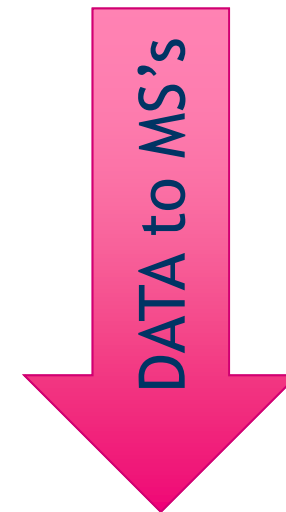
DATA EXCHANGE NEEDS



MS Authority to agency
and back! How useful?



OR?



Better awareness
picture in MS level



Product:
European
Maritime
Awareness
Picture

The image shows a spacious, modern maritime control room. It features several curved desks equipped with multiple computer monitors. Large wall-mounted screens display maritime data, including maps and vessel tracking. The room is supported by prominent teal-colored pillars. Several people are seated at the desks, working. The overall atmosphere is professional and technologically advanced.

NO NEW SYSTEM. CISE IS

- A set of information sharing agreements which enable public authorities to provide and/or consume CISE information services. Clarifying:
 - what data is shared
 - how data is processed (transformed, correlated, fused...)
 - how data is transmitted

+

A set of common services (to allow CISE participants to find each other, to find available services...)

CISE NEXT STEPS AFTER EUCISE2020!

- ▶ Communication and Council conclusions/decision of CISE principles and building roadmap
- ▶ CISE implementation: e.g. CSA (coordination and support action) grant
- ▶ Publication of CISE handbook (dissemination for all stakeholders: public - private for building services' market to end users)
- ▶ Service design within Agency framework: coordination of future added value EU DATA
- ▶ Management structure (avoiding overlapping services, operational support, indicators, statistics etc.)

**Intelligent approach can do
more, better, and cheaper**

