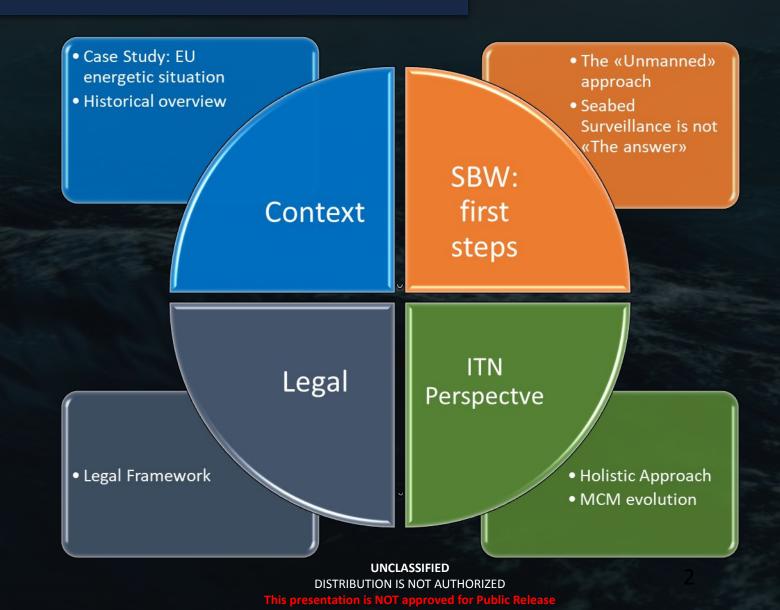
## Italian Navy General Staff



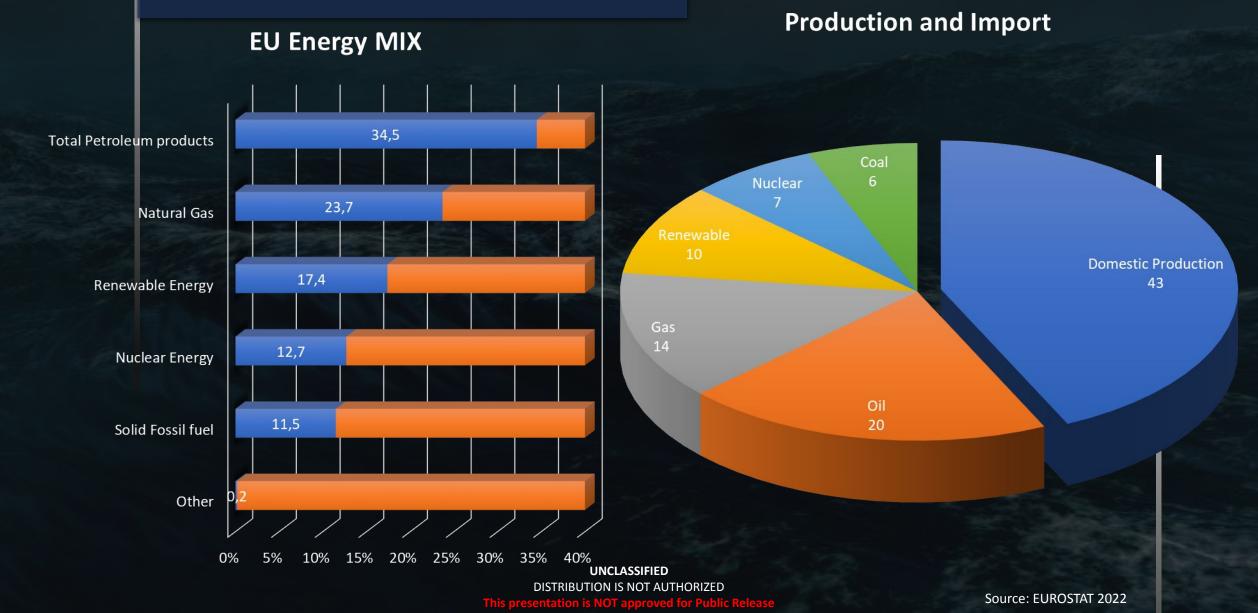


#### Agenda





Case Study: EU energy situation

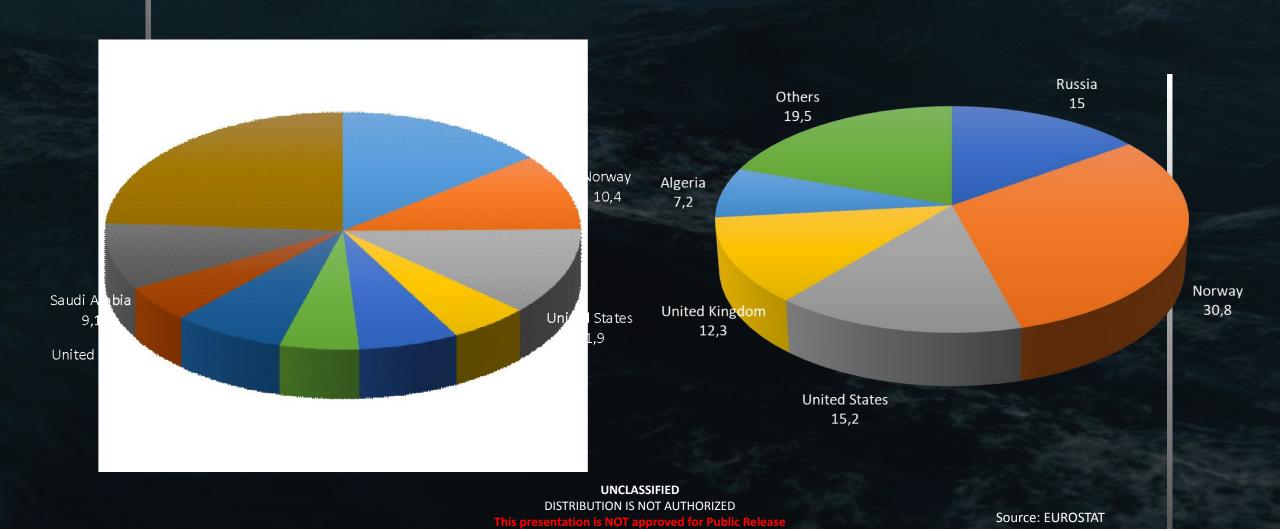




Case Study: EU energy situation

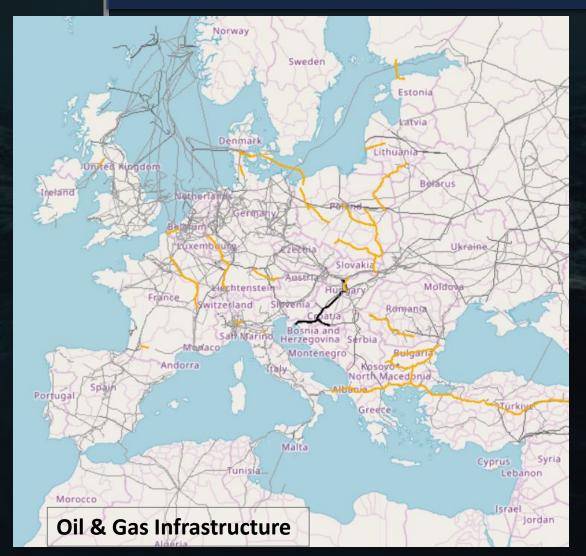
Petroleum Oil Import – 3<sup>rd</sup> 2022

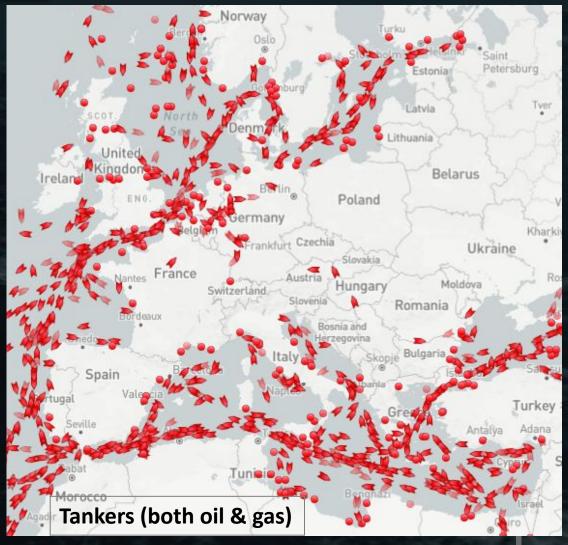
Natural Gas Import – 3<sup>rd</sup> 2022





# SBW – Italian Perspective Case Study: EU energy situation







Hystorical Overview



2008
Sub. Cable disruption



2017
Near miss:
gas release from
pipeline
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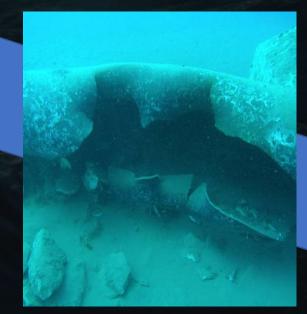
2019
Gulf of Mexico Incident



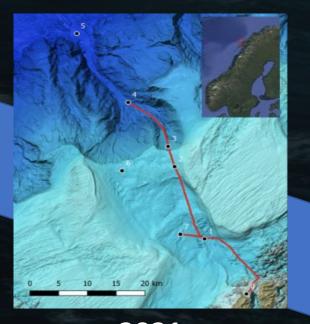
Hystorical Overview



1981 Operation «Ivy Bells»



2019 Syria sabotaged pipelines



2021 Lofoten misterious cut

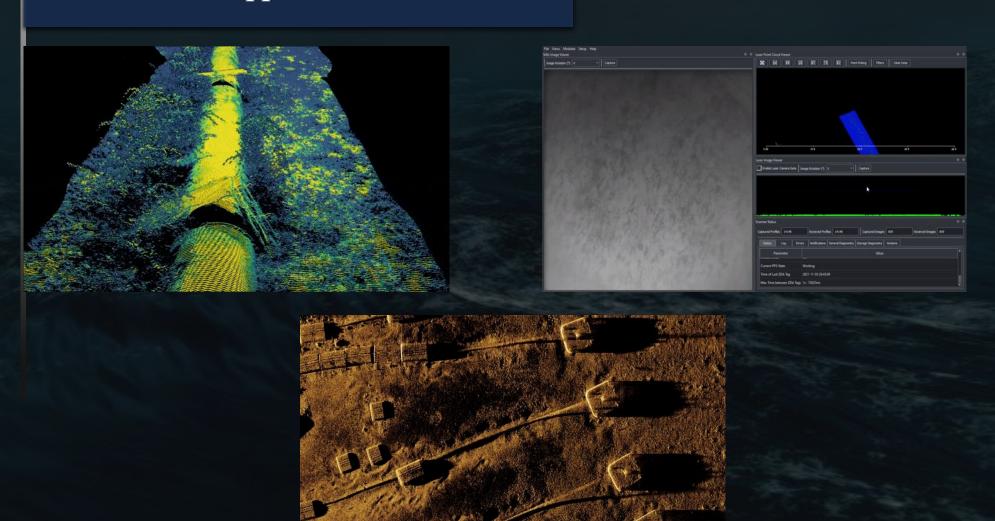


Are we really surprised?





# SBW – Italian Perspective The Unmanned Approach



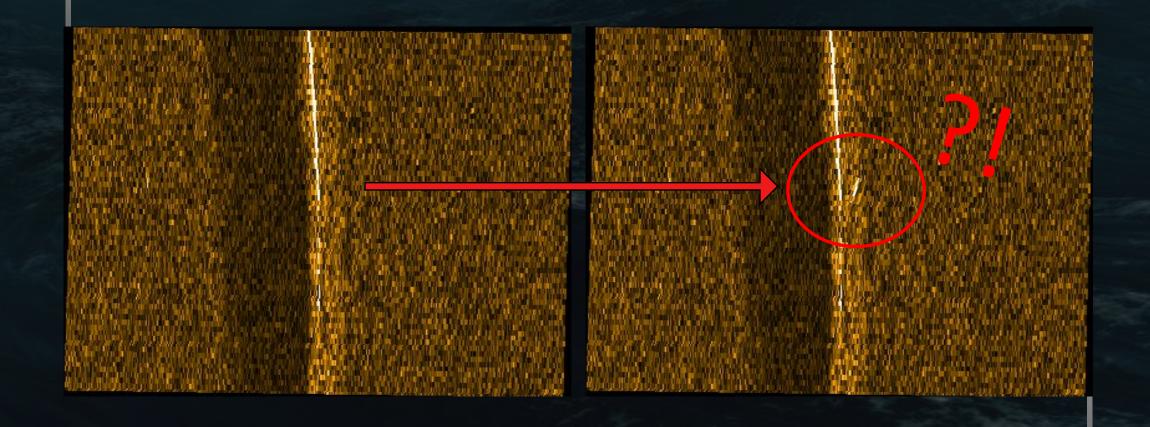
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Seabed Surveillance is not «The answer»





Seabed Surveillance is not «The answer»





#### ARE WE SURE THAT SEABED WARFARE IS JUST AROUND SEABED?







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### SBW – Italian Perspective Holistic approach

#### **SEABED WARFARE**



**RMP** 

**ASW** 

**ASUW** 

SB SURVEILLANCE

UW RESIDENCY



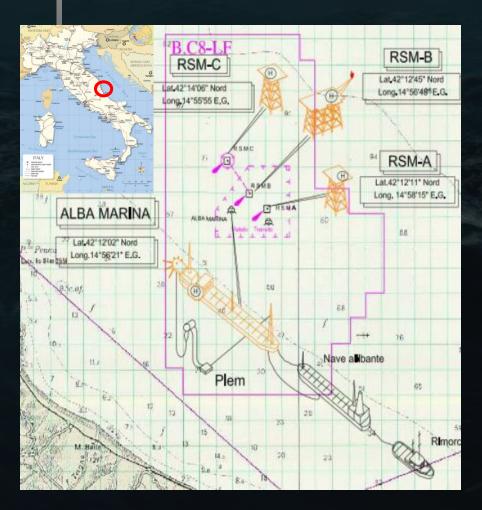
## **UNDERWATER SITUATION AWARENESS**

# \*\*

#### **MCM Evolution**

Homeland **Defend National Territory Access to National Ports** Security **Protect International Straits Outer Defence SLOC and Choke Points** Oil & Gas pipelines, Comms Net, **Strategic Infrastructures** etc... **Operate Within Joint Task Group Expeditionary Support Amphibious Operations** W-IED Face the increasingly diversified occurrence of terrorist acts **UNCLASSIFIED** 







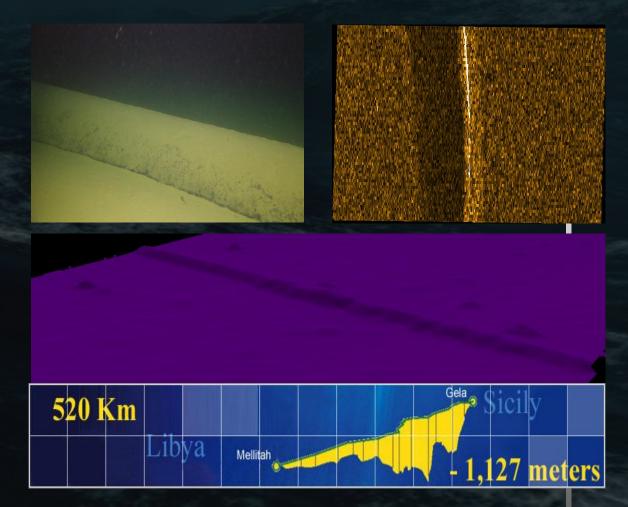
















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Why Transition?

- Man out of the minefield vs Intel
- Threat vs Countermining
- Bottom Type vs Automatic Target Recognition
- Heritage & Experience

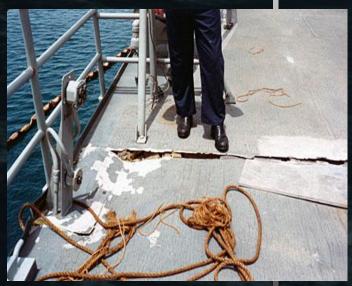


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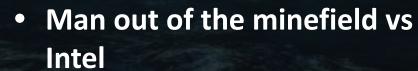






Why Transition?









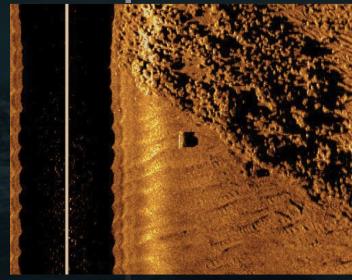
- Bottom Type vs Automatic Target Recognition
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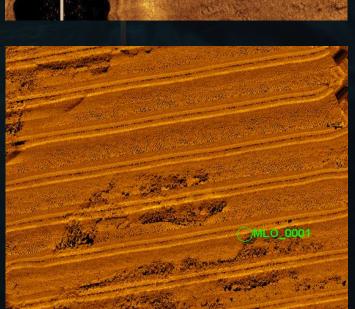


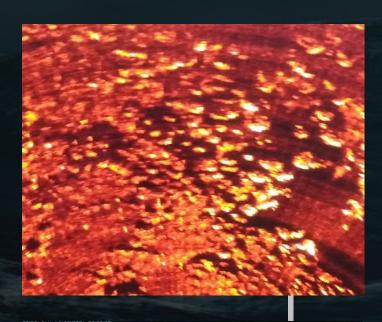
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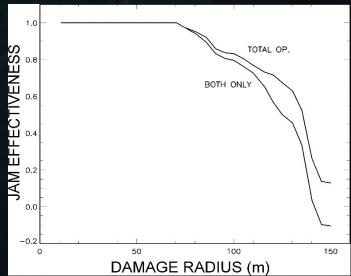






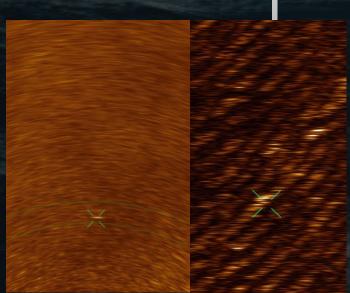
# MCM Evolution Why Transition?





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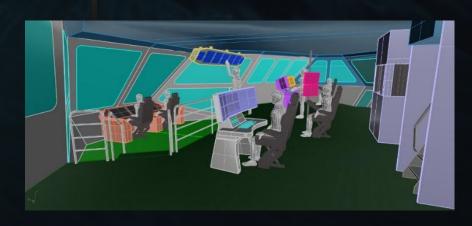






New Generation MCMV



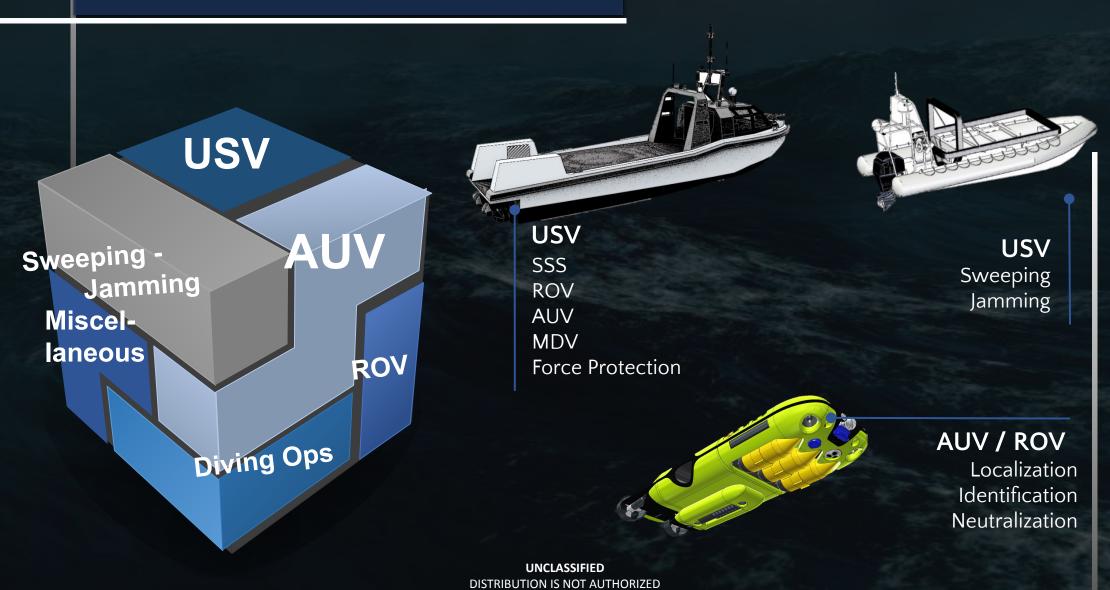




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Operational Package





Operational Package

Resident

Deployable

















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#### **Legal Framework**

Long story short...

- Convention for the protection of Submarine Telegraph Cables 1884
- Lausanne Conference 1932
- 1958's Conventions
- UNCLOS 1958

A provision that expressly legitimizes the protection of cables and pipelines in areas subject to the <u>functional sovereignty</u> of coastal states is totally missing. Furthermore, there is not any reference regarding a vessel voluntarily damaging/disrupting/destroying underwater cables.



#### **RECAP**

- SB Surveillance is a powerful tool, not the solution
- SB Residency is needed IOT enhance effectiveness of SB Ops
- Legal framework "grey areas" can be covered by a military holistic approach
- Seabed Warfare is a coordinated effort

## Italian Navy General Staff

