







Integration of DAIMON in AMUCAD

Visualization of the Decision Support System

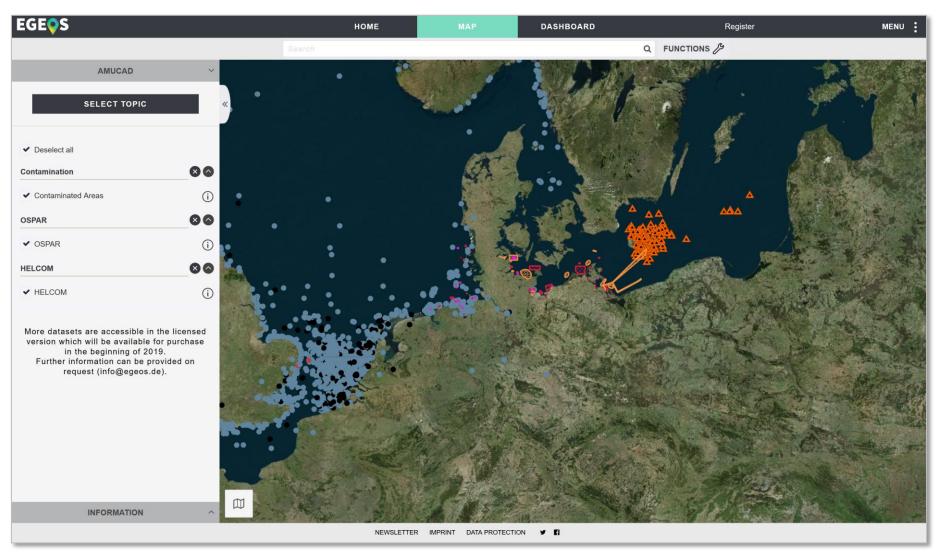
Jann Wendt, EGEOS GmbH
DAIMON Conference, Bremerhaven

Final Conferece Meeting Bremerhaven, 06/02/2019

AMUCAD – Ammunition Cadastre SeaThe idea

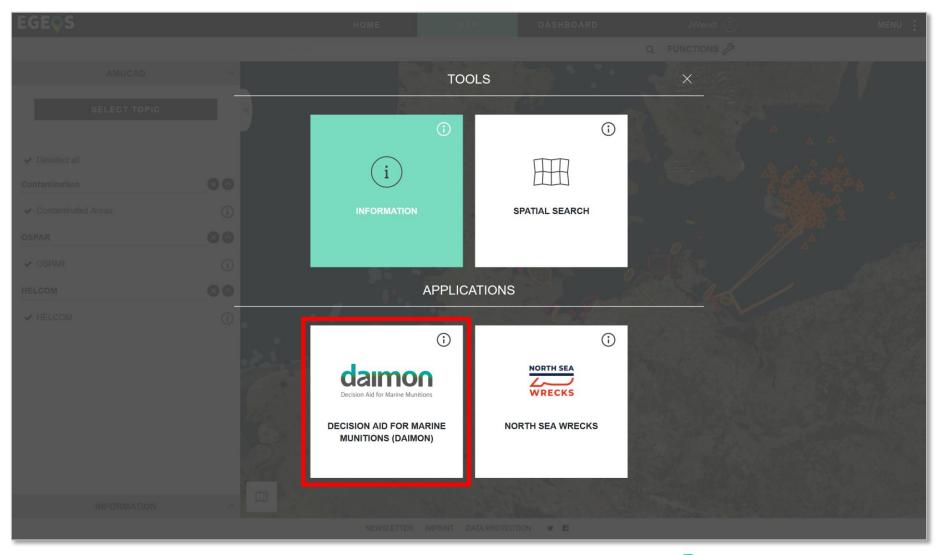
- Acquisition and collection of datasets (historic and actual) related to ammunition in the sea;
- Visualization, assessment and analysis of these datasets
- Platform for monitoring of the ammunition situation
- Including and providing access to relevant research projects like DAIMON and North Sea Wrecks















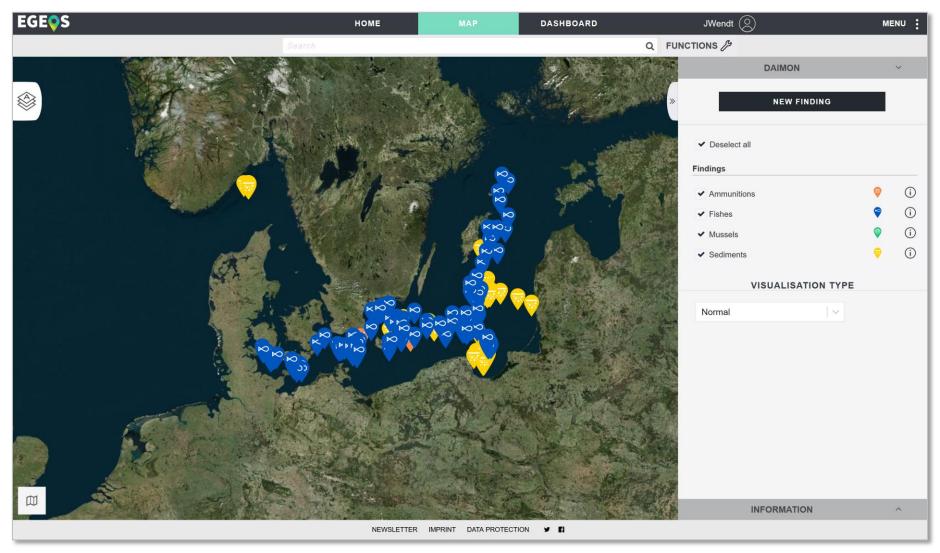
Integration of DAIMON



DAIMON – DATA VIEW

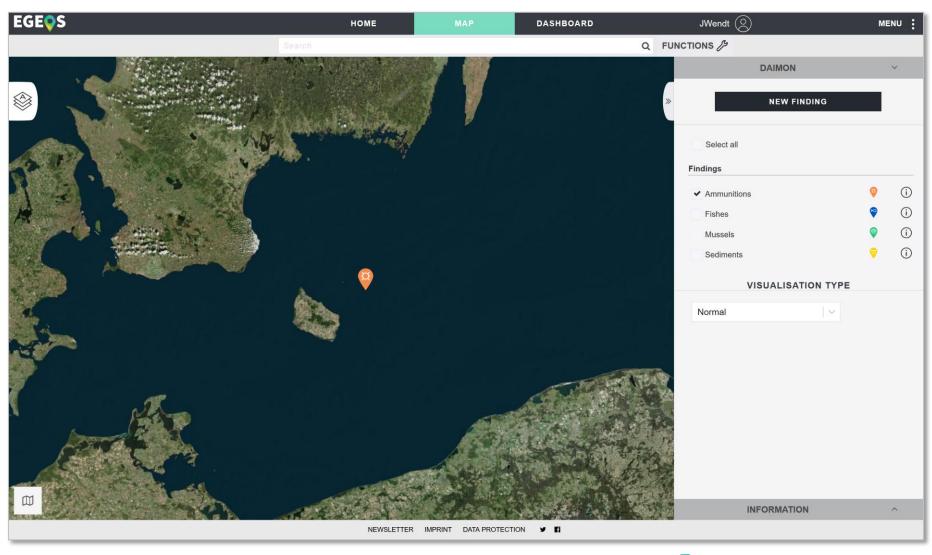
- DAIMON integrates several types of "Finding-Objects":
 - Ammunition
 - Fish
 - Sediment
 - Mussel
 - Shellfish
 - Water sample





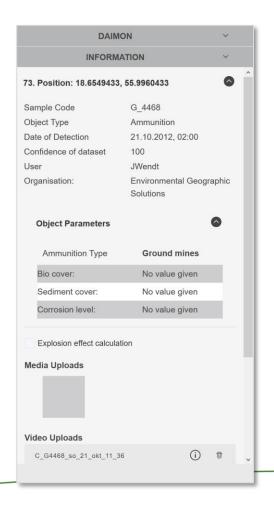


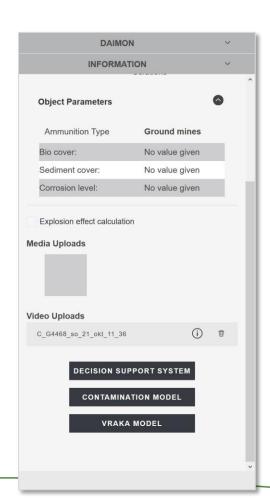




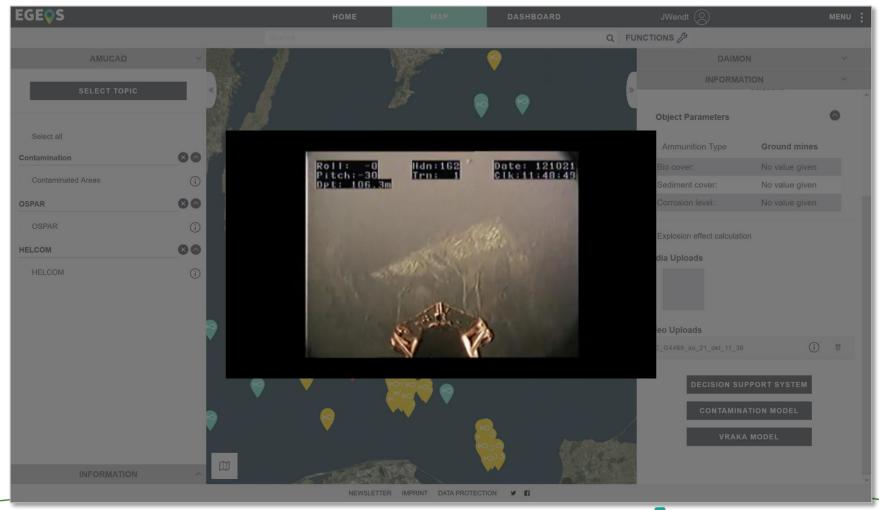




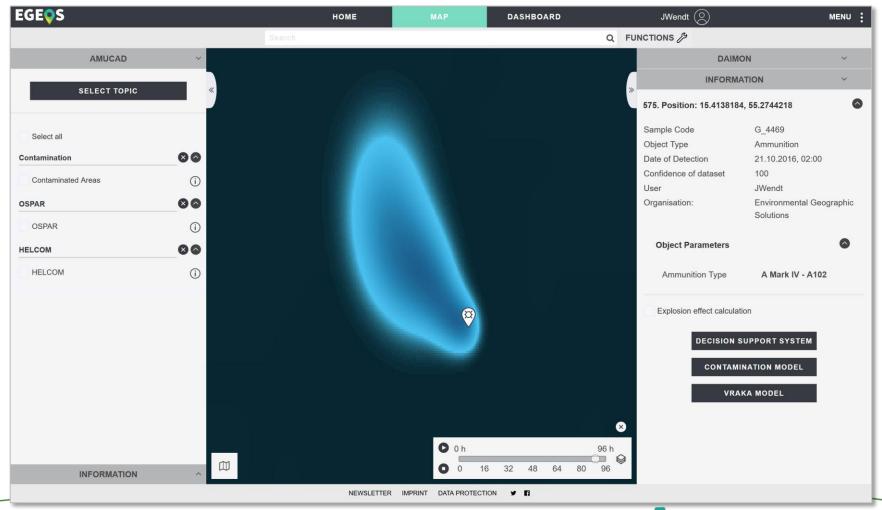




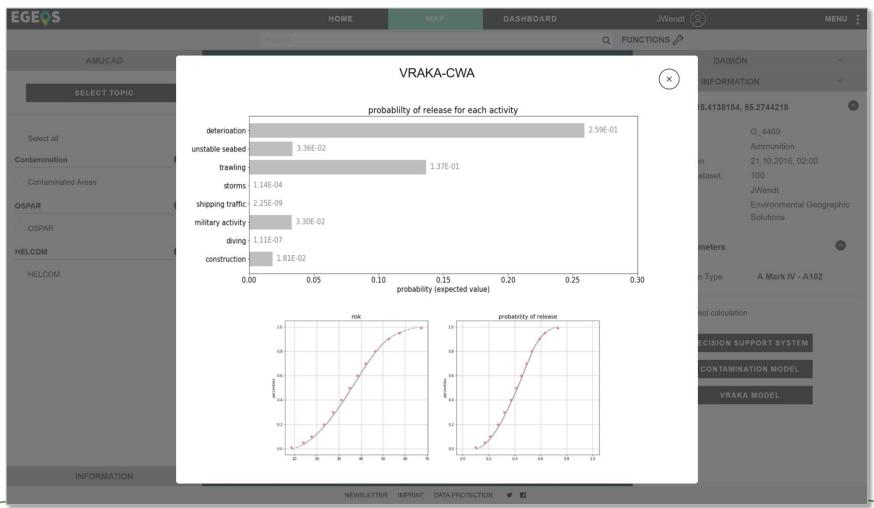






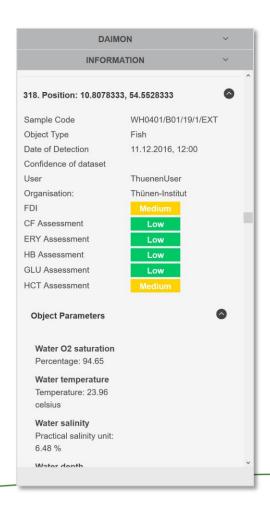


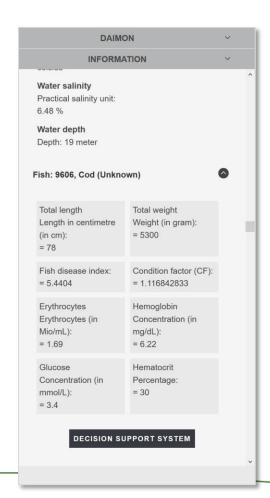






Dataset: Fish







Decision Aid for Marine Munitions



Decision Aid for Marine Munitions



Decision Aid for Marine Munitions





- Idea of "Object Action Protection Good"
- e.g. Mine explodes in area with high shipping intensity



DAIMON - ADMINISTRATION/ANALYIS

Protection Goods:

- Idea of "Object Action Protection Good"
- e.g. Mine explodes in area with high shipping intensity



DAIMON – ADMINISTRATION/ANALYIS

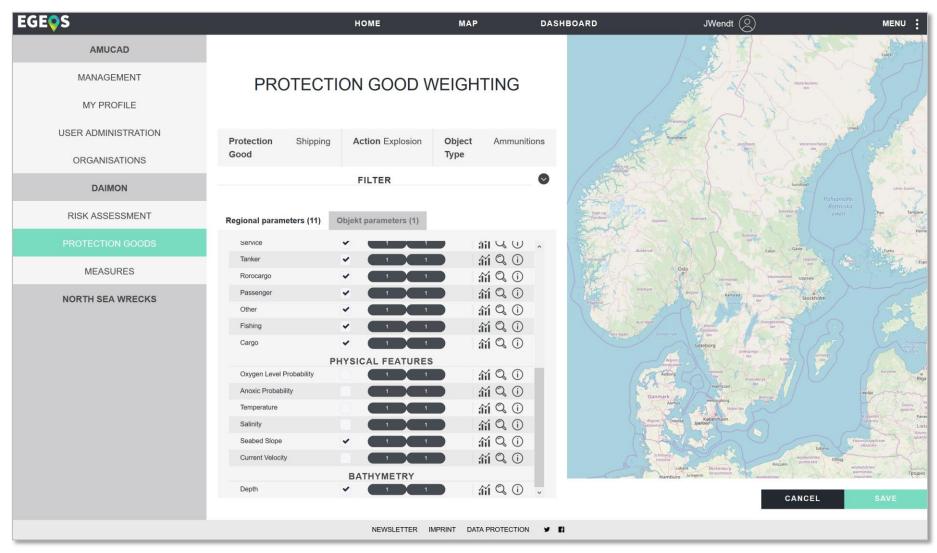
Protection Goods:

- Idea of "Object Action Protection Good"
- e.g. Mine explodes in area with high shipping intensity

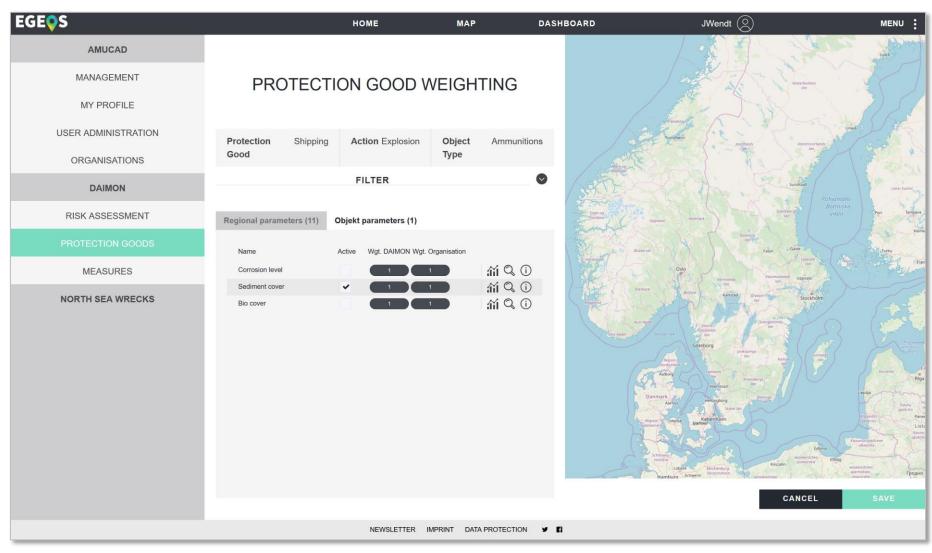


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MANAGEMENT			PROTECT	TON GOODS		
MY PROFILE			FILT	TER		•
USER ADMINISTRATION						
ORGANISATIONS	COMBINATIONS					
DAIMON					NEW PROTECTION GO	OOD
RISK ASSESSMENT	Protection Good	Object type	Action	Active Parameters	10 REC	ORDS V
PROTECTION GOODS	Shipping	Ammunitions	Explosion	2	O	Ū
MEASURES			(0		
NORTH SEA WRECKS						
		NEWSLETTER IMP	PRINT DATA PROTECTION 💆	f		









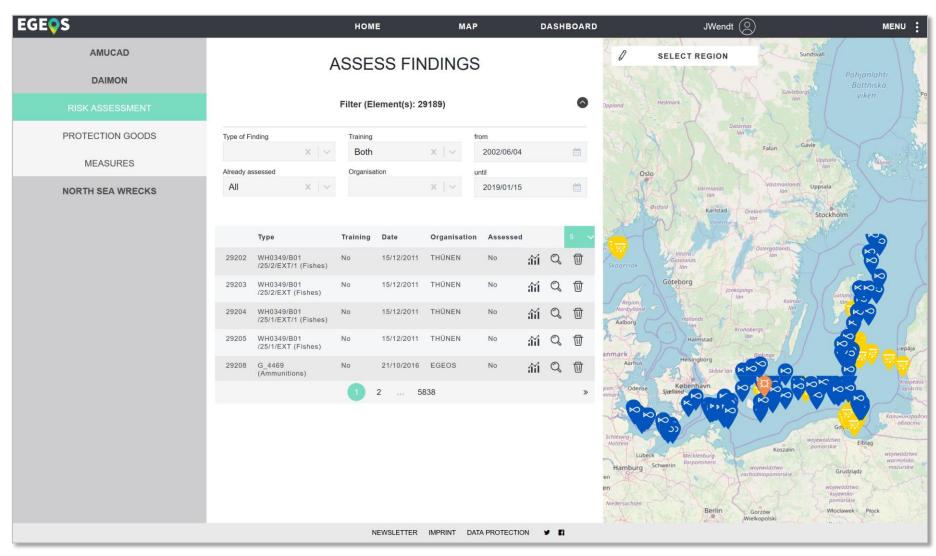


DAIMON - ADMINISTRATION/ANALYIS

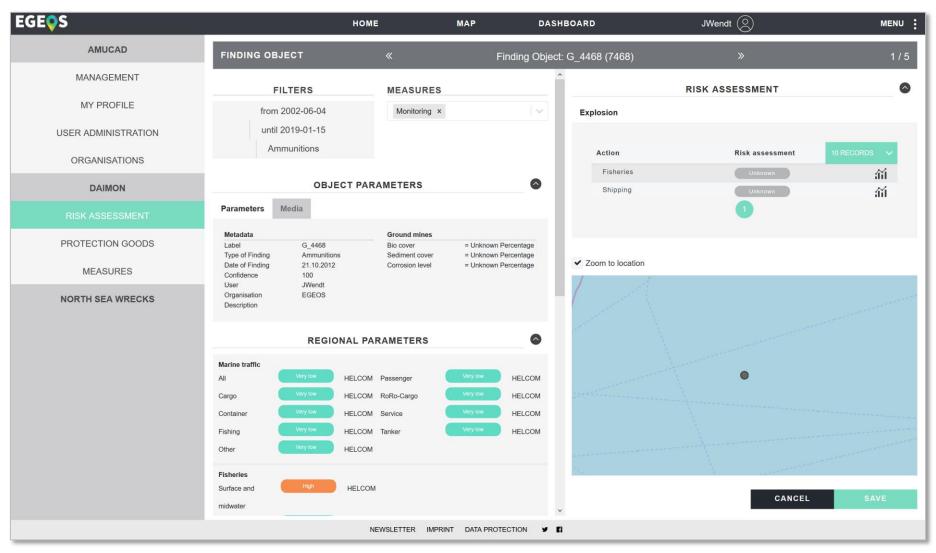
• Risk Assessment:

- "Training Objects" will be created based on expert knowledge
- Set of "Regional" and "Object" parameters for description
- Assessment of specific objects

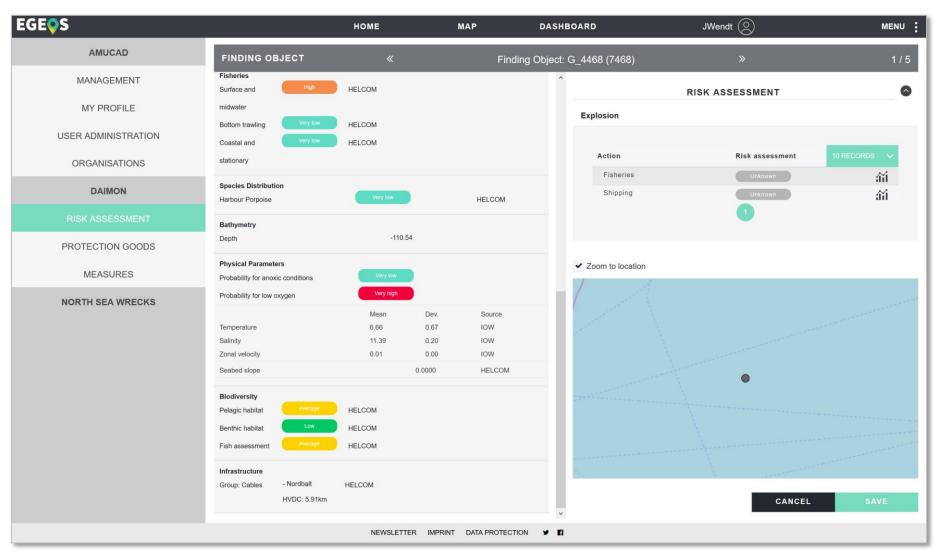




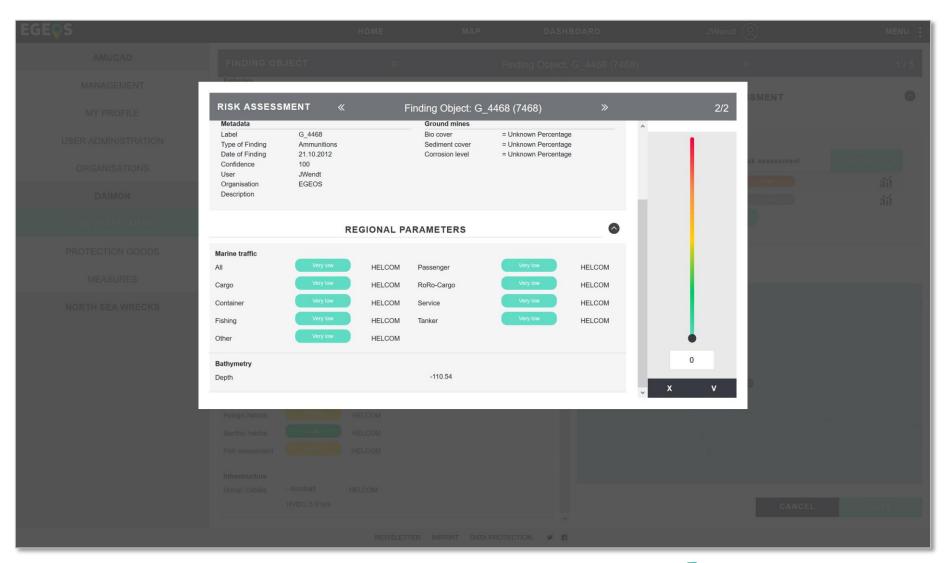




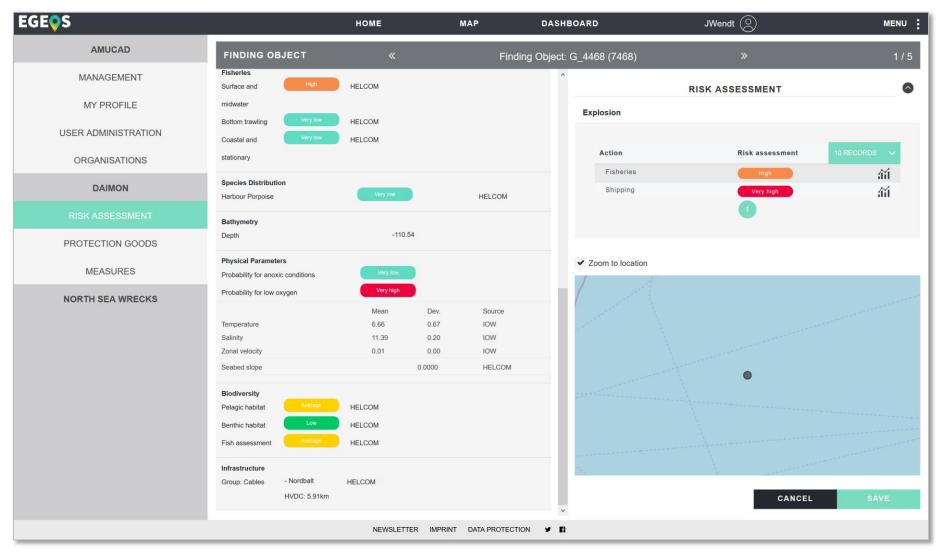












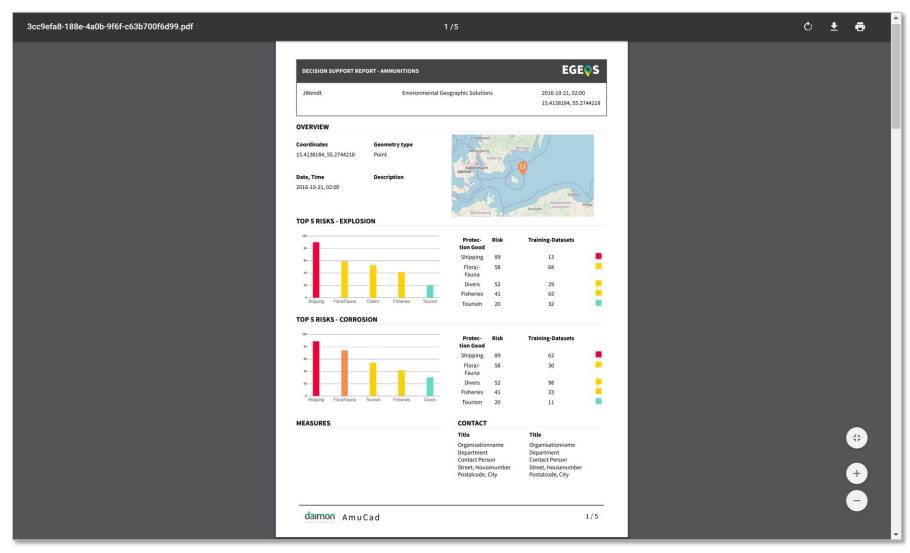


DAIMON Report

Report including multiple datasets/information:

- Metadata about the object
- Regional parameters
- Risk assessment of specific objects

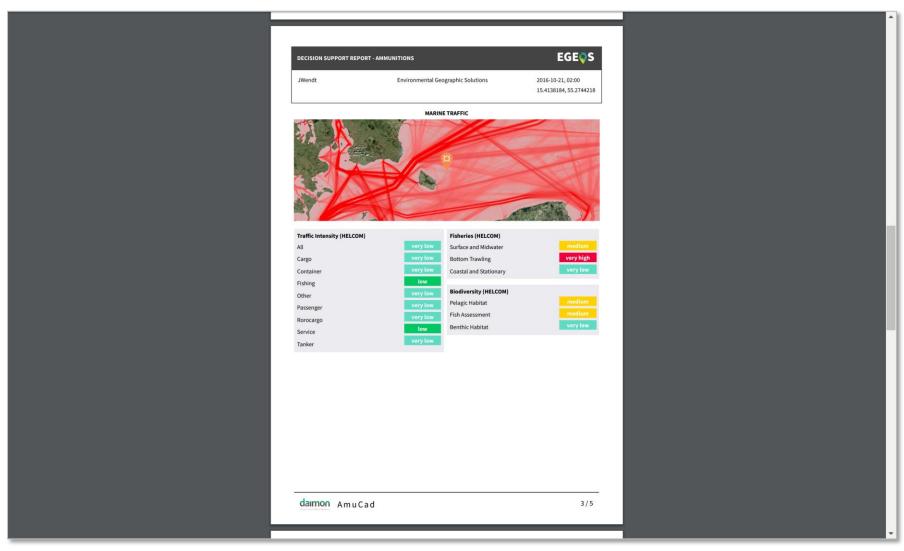






ECISION SUPPORT REPORT	- AMMUNITIONS		EGE Ç S	
Wendt	Environmental Ge	ographic Solutions	2016-10-21, 02:00 15.4138184, 55.2744218	
MON OBJECT PARAMETERS				
	MOOR	ED MINES		
Gross Weight: No Data	Corrosion Level:	Sediment Coverage Level:	Category - Sub Group: Sea mines	
Bio Mass Coverage:	Netto Explosive Mass: No Data	diameter: No Data	Amount:	
Origin: No Data	Material: No Data	Anchor: No Data	Charge: No Data	
Safety Mechanism: No Data	Fuze: No Data			
Explosion Fisheries 1/2	Flora/Fauna n/a	Corrosion Fisheries n/a	Flora/Fauna n/a	
Shipping n/a Tourism n/a	Divers n/a	Shipping n/a Tourism n/a	Divers n/a	
EGIONAL PARAMETERS				
hysical Features				
	0.0000 -73.7000		IOW EMODnet	
robability for anoxic condi-	sehr hoch		IOW	
ons robability for low oxygen	sehr niedrig		IOW	
.,,8	Mean	Standard Deviation	Source	
	16.4942	1.1123	IOW	
	8.0257 0.0114	2.5285 0.0110	IOW	
urrent Velocity pecies Distribution	0.0114	0.0110	IOW	
chweinswale	niedrig		HELCOM	
daımon AmuCa	d		2/5	

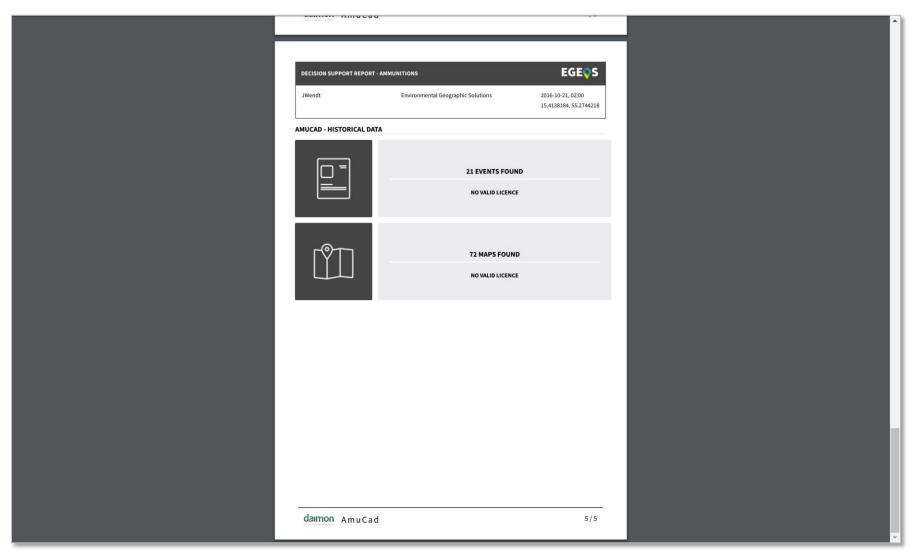






DECISION SUPPORT	REPORT - AMMUNITIONS	EGE Ç S
JWendt	Environmental Geographic	
Typ: Bathing No Data Typ: Cables No Data Typ: Construction No Data Typ: Wind Farms No Data	INFRASTRUCTURE (H	HELCOM)
Typ: Oil Platforms No Data Typ: Oil Platforms No Data Name pipelline (gas)		
daimon An	nuCad	4/5













EUROPEAN UNION EUROPEAN

REGIONAL DEVELOPMENT FUND



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