

BAS-TRANSFORMATION - LOG
COL GS CONSTANDT

Army Logistics



DEFENCE
Belgian Army



BAS @ CEL 24

14 Mar 24

Agenda

1

Reconstruction of BEL Land Forces and CSS.

2

International cooperation.

3

Enablement – Belgium as transit nation – awareness.

4

Questions



Fundamental missions

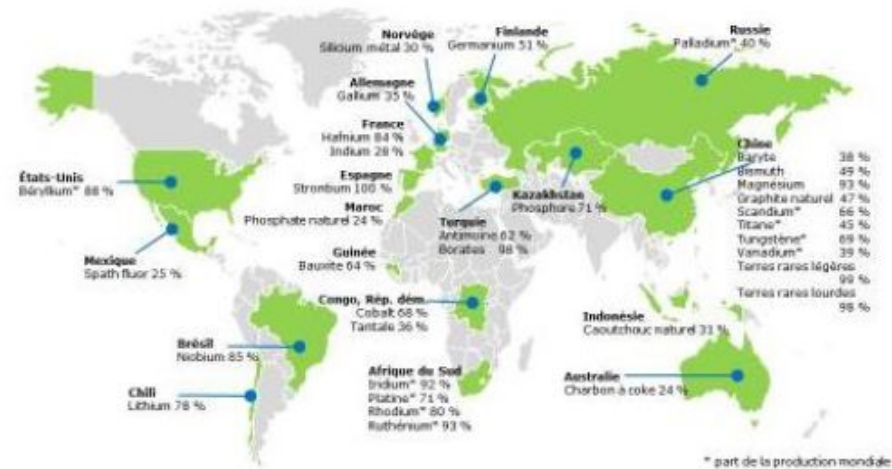
Security through solidarity
« *The price of blood* »



Belgium as a transit country and
a rear base



Strategic Autonomy



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STAR-plan

2022

FULL VERSION

SECURITY & SERVICE

TECHNOLOGY

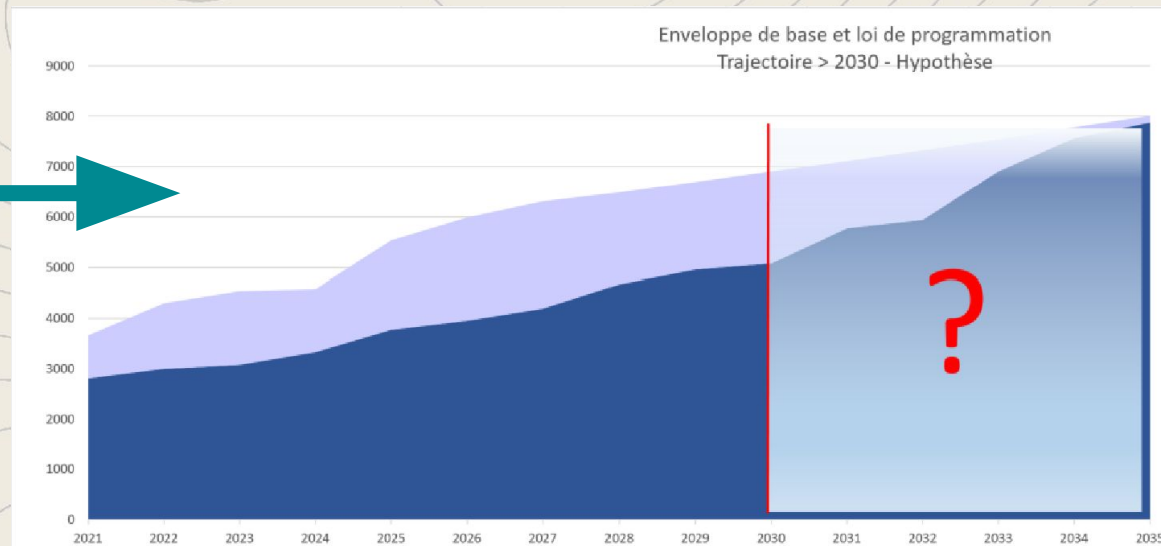
AMBITION

RESILIENCE



Ludivine Dedonder

Minister van Defensie

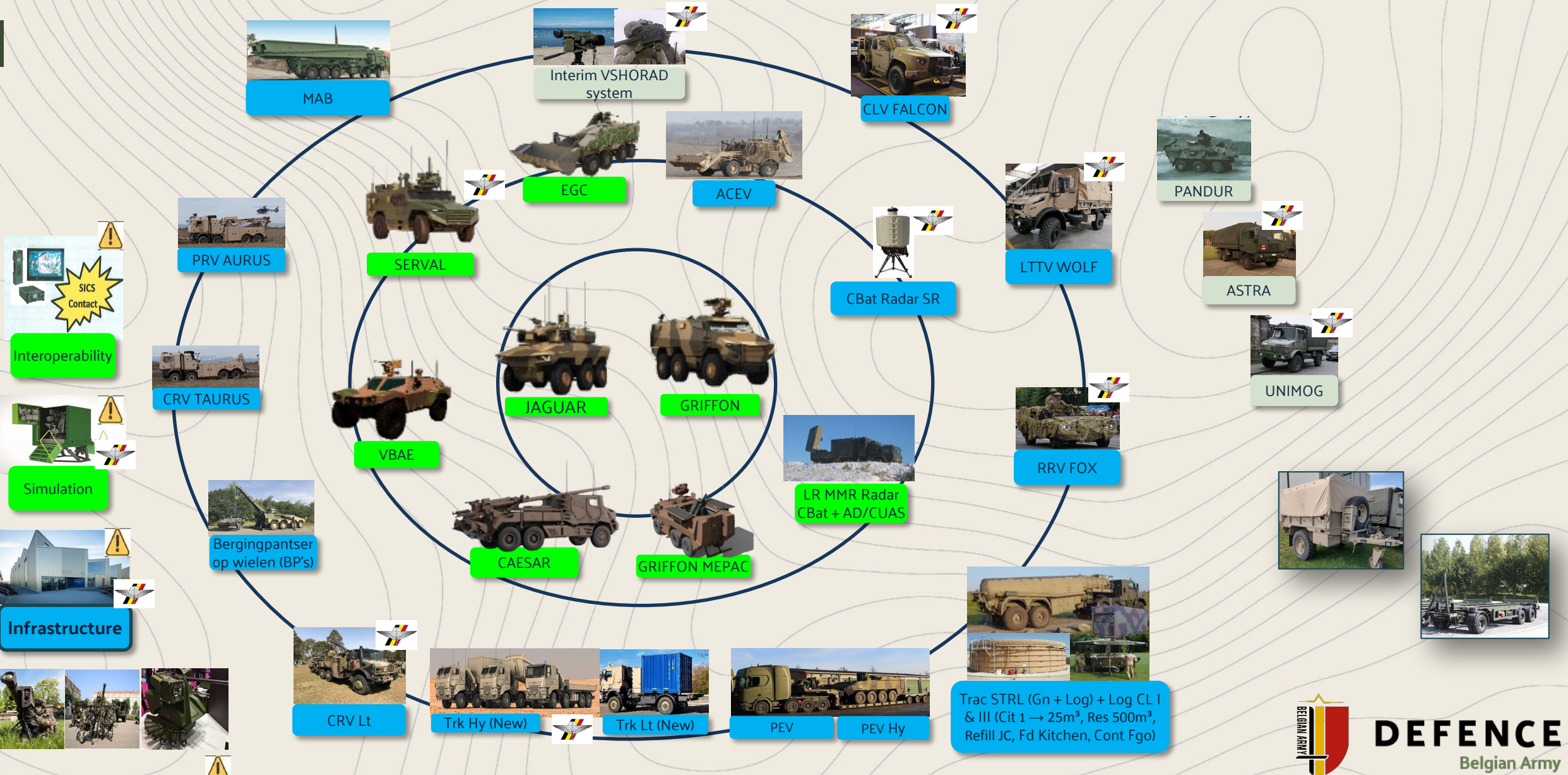


“Military
Programmation
Law”

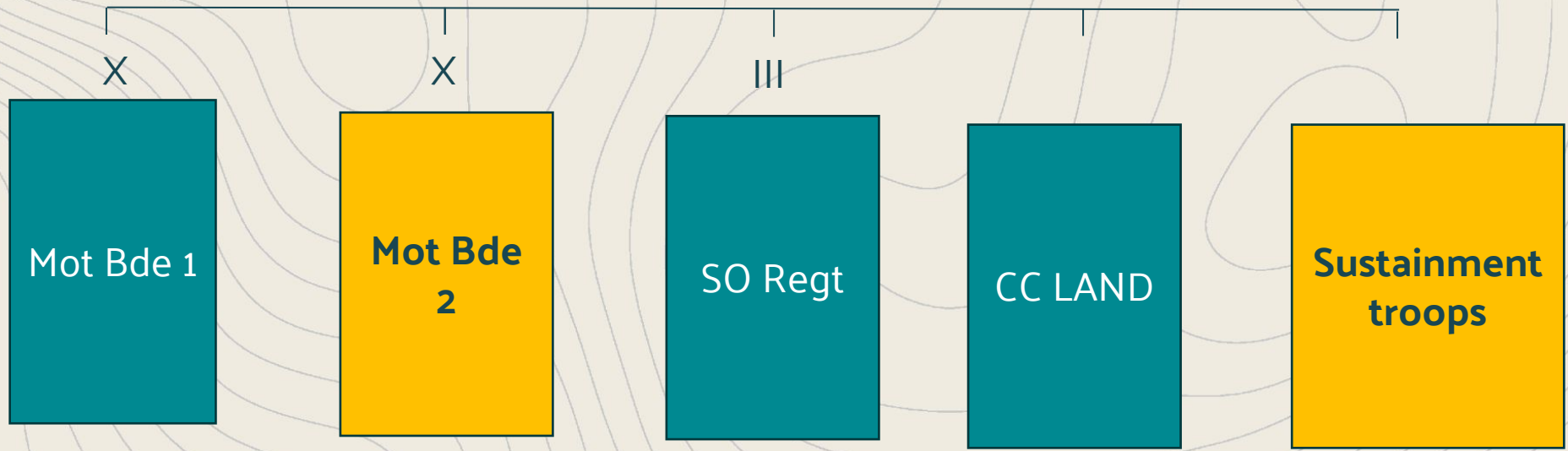


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Land Capability MEE/mobility



Org LC (2030+)





Feb 2024

BELGIAN DEFENCE

- @belgiumdefence
- defence.be
- defensie.ladefense
- belgian_defence



Engagement of the Belgian Defence on the Eastern Flank of Europe



ROMANIA



NATO Forward Land Forces (FLF)

Combined Armed Tactical Subgroup approx. 300 personnel



LITHUANIA



BALTIC AIR POLICING (BAP)

QRA Detachment of approx. 70 personnel & 4 F-16 fighters



LITHUANIA



NATO Forward Land Forces (FLF)

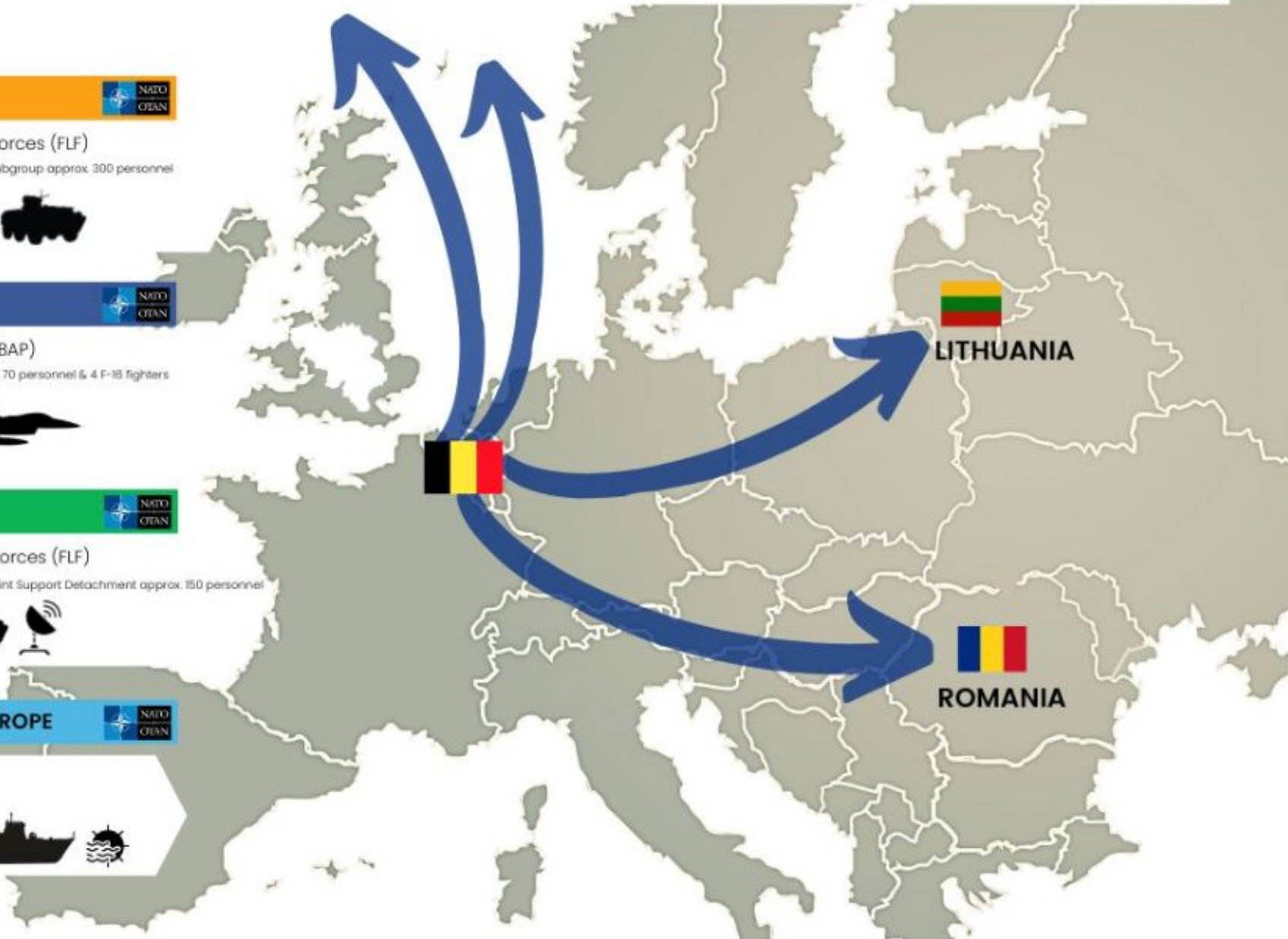
Multi-sensor Squadron & Joint Support Detachment approx. 150 personnel



NORTHERN EUROPE



BNS CROCUS

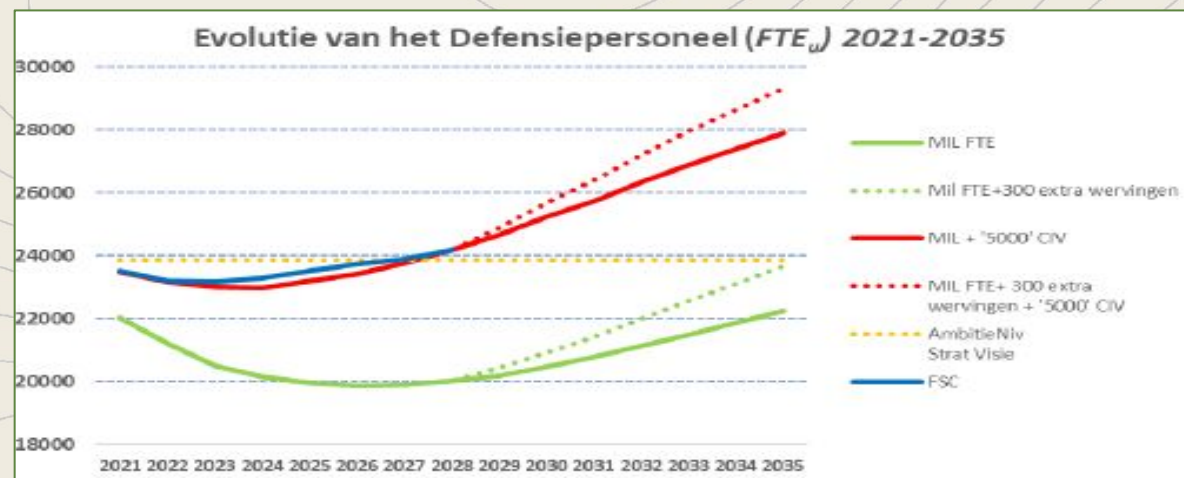
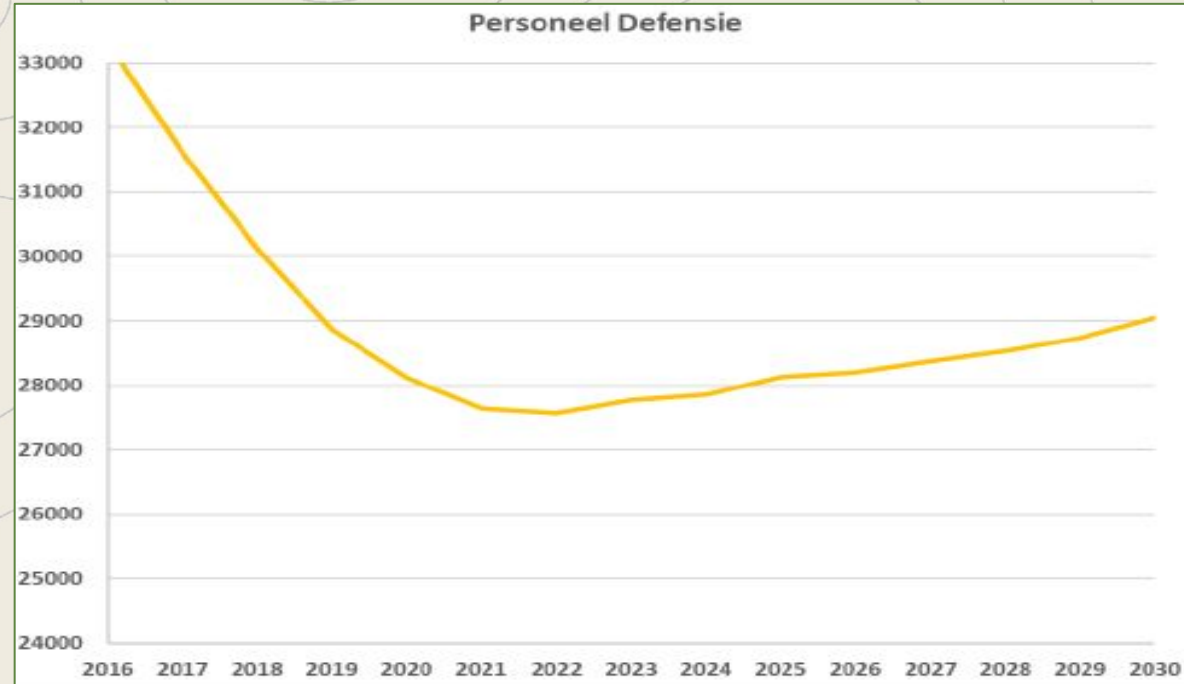


Personnel = biggest challenge

How to reconstruct a 'critical mass' of personnel (and logistics Pers in particular) ?

Mitigations:

- Outsourcing of territorial workload
- More Civilian personnel
- Activation of Reserve personnel

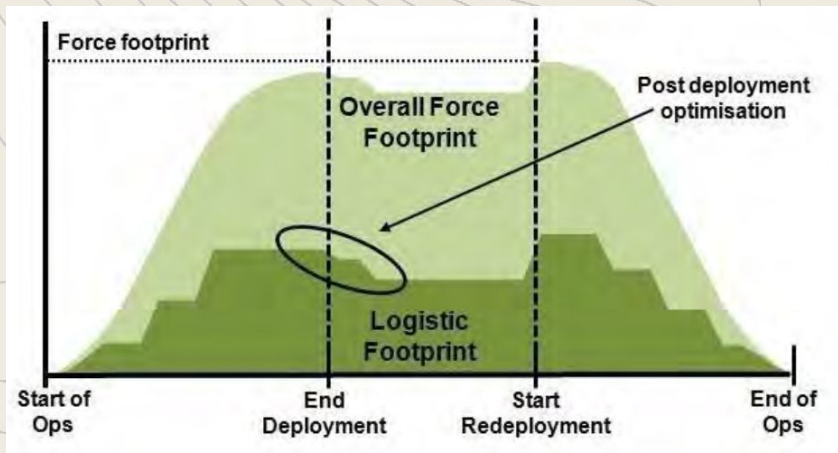


Source: STAR-plan pp. 141-151



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It's all about the right proportions



AJP-4 - Log footprint in relation to the footprint of the overall force

15 %

25 %

33 %

2023

2030

2040

CSS vs C/CS



■ International cooperation



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Motorized Capacity - generalities

PARTNERSHIP

Strategic PARTNERSHIP

CaMo PROJECT

All LoD (DOTMLPFI)

CaMo Program

Material & Armt
CaMo 1 + 2 + BdC

PARTNERSHIP = Long term
Effective as of today
International interest

Natively interoperable
Cooperation & Ops engagement
Additional Armt program

Unique Armt architecture



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Motorized Capacity - generalities



SCORPION = Synergie du Contact Renforcée par la Polyvalence et l'INfovalorisation



GRIFFON 382



JAGUAR 60



Matériel identique

Système d'information



Interopérabilité

Interopérabilité

Radio CONTACT



Formation et entraînement



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Interoperability



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Similaire

JP-3 (B)
JOINT DOCTRINE FOR
THE CONDUCT OF OPERATIONS

Doctrine

Similaire

Organisation

Equivalent

Training

Identique

Materiel

Equivalent
Mutualisé

Leadership

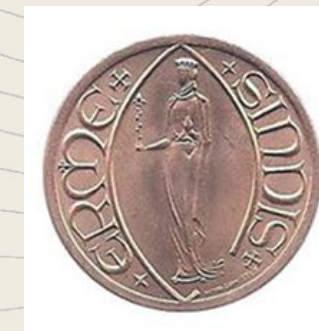
Personnel

Facilities

Interoperability

Binational CBT-RECCE Bataillon BEL-LUX

- 23 Oct 20: NATO Capability objective – Reconnaissance Battalion BEL-LUX
- 11 Mai 21: Acceptation of the objective by BEL & LUX
- 31 Aou 21: Intention declaration signed by MOD BEL-LUX
- 25 Jan 22: Signature of mandate working group ERMESINDE
- 13 Oct 22: Intention declaration signed concerning localisation of the battalion
- 15 Jun 23 : Signature of cooperation agreement for the joint implementation and exploitation of a bi-national reconnaissance battalion.



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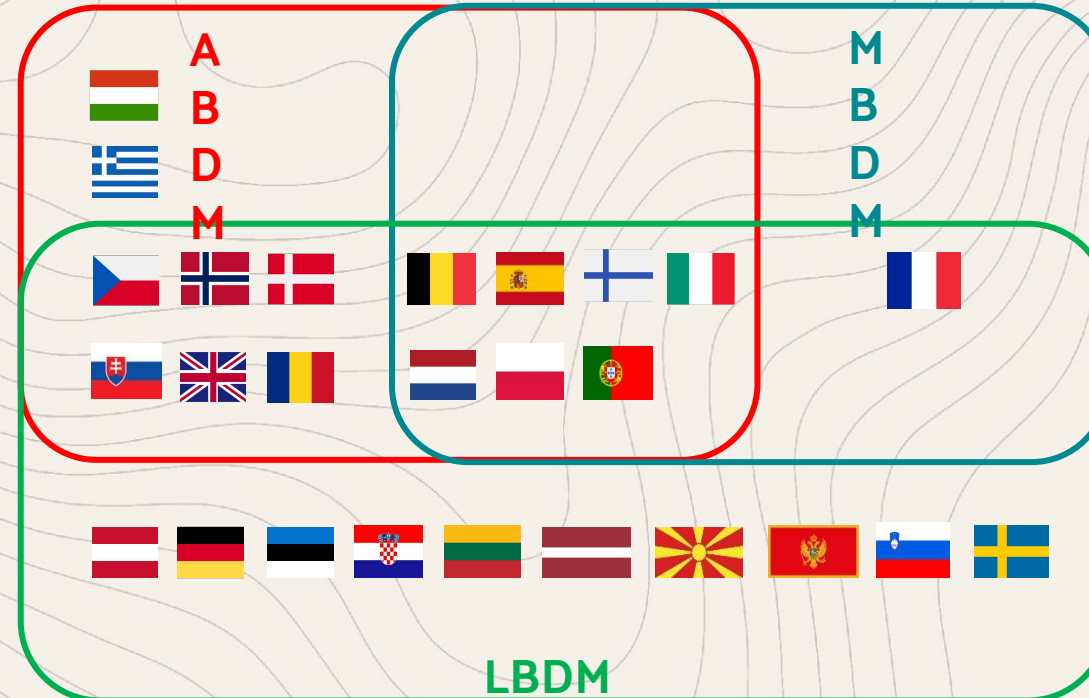
MAWI – Multinational Ammunition Warehousing Initiative Ambition



One overarching legal framework for **ALL Allies and Partners** facilitating all kinds of multinational ammunition storage solutions across the Alliance

Joint approach

Supporting the BDM projects



MAWI - Actual State



21 Jun 21

28 Apr 22

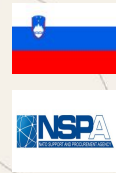
17 Nov 22

15 Feb 23

15 Jun 23



BEL, ESP, EST, FRA, GRE,
ITA, NDL, NOR, SVK



SVN,
NSPA



HUN,
ROU



FIN, LTU, LVA, CAN,
CZE, UK, POL, SWE



BGR, DEU,
DNK, LUX

- 25 Participants signatory to the MoU
- MAWI location in ESTONIA is operational (Project Arrangement EST-BEL) as of March 2022
- MAWI location in BELGIUM (Project Arrangement BEL-NSPA): 1st delivery of Ammo done in Oct 23
- SEVEN other Project Arrangements for additional locations on the **Eastern Arc ongoing** (ONE for each host nation for FLF)



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MAWI Management Structure



MAWI MoU -> Established MAWI Management Group

MAWI Management Group -> ToR

Reporting back

PA No 1
between 3
Participants

between 5
Participants

PA No X
between X
Participants

PA 1 Project Team

PA 2 Project Team

PA X Project Team



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MAWI - Standardization and flexibility



Each multinational ammunition stockpiling solution will apply the following NATO safety guidelines, as applicable, in order to minimize risks.

- **STANAG 2617 ALP-16:** ALLIED LOGISTICS PUBLICATIONS FOR EXPLOSIVE SAFETY AND MUNITIONS RISK MANAGEMENT (ESMRM) IN NATO PLANNING, TRAINING AND OPERATIONS
- **STANAG 4440 AASTP-1:** NATO GUIDELINES FOR THE STORAGE OF MILITARY AMMUNITION AND EXPLOSIVES
- **STANAG 4657 AASTP-5:** NATO GUIDELINES FOR THE STORAGE, MAINTENANCE AND TRANSPORT OF AMMUNITION ON DEPLOYED MISSIONS OR OPERATIONS

ANNEX A CATALOGUE OF MINIMUM STANDARDS AND FEATURES AS WELL AS OPERATIONAL PRINCIPLES


1. Each multinational ammunition stockpiling solution will apply the following NATO safety guidelines, as applicable, in order to minimise risks. This safety ambition for MAWI solutions does not oblige participating nations to ratify or implement the standards. During the drafting of the PA, the Contributing Participants will take into account and will foresee measures to guarantee assurance and enforcement of the application of standards:
 - a) STANAG 2617 covering ALP-16:
ALLIED LOGISTICS PUBLICATIONS FOR EXPLOSIVE SAFETY AND MUNITIONS RISK MANAGEMENT (ESMRM) IN NATO PLANNING, TRAINING AND OPERATIONS
 - b) STANAG 4440 covering AASTP-1:
NATO GUIDELINES FOR THE STORAGE OF MILITARY AMMUNITION AND EXPLOSIVES
 - c) STANAG 4657 covering AASTP-5:
NATO GUIDELINES FOR THE STORAGE, MAINTENANCE AND TRANSPORT OF AMMUNITION ON DEPLOYED MISSIONS OR OPERATIONS
2. In addition of the minimum safety standards mentioned above, each multinational ammunition stockpiling solution will strive to apply the following NATO standards. Each PA will establish the specific measures that will be applied and will foresee the mechanism to guarantee assurance and enforcement of the application of those measures:
 - 2.1. On quality of the ammunition:
 - a) STANAG 4297 covering AOP-15:
GUIDANCE ON THE ASSESSMENT OF THE SAFETY AND SUITABILITY FOR SERVICE OF NON-NUCLEAR MUNITIONS FOR NATO ARMED FORCES
 - b) The different AAS3P documents
 - c) STANAG 2953 covering AOP-2:
IDENTIFICATION OF AMMUNITION
 - d) STANAG 4875 covering AOP-62/63/64:
IN-SERVICE SURVEILLANCE (ISS) OF MUNITIONS
 - e) STANAG 4844 covering AOP-4844 (STUDY):
NATO HANDBOOK FOR MUNITIONS HEALTH MANAGEMENT
 - f) STANAG 4315 covering AOP-48:
THE SCIENTIFIC BASIS FOR THE WHOLE LIFE ASSESSMENT OF MUNITIONS
 - 2.2. On general control measures:
MC460/1 "NATO Military Principles and Policies For Environmental Protection (EP)"
 - 2.3. On quality of the personnel in the storage facilities:
STANAG 2622 covering ATP-89: Minimum Standards of Proficiency for Trained Ammunition Technical Personnel
3. In addition of safety, each multinational ammunition stockpiling solution will strive to ensure interchangeability of the ammunition.




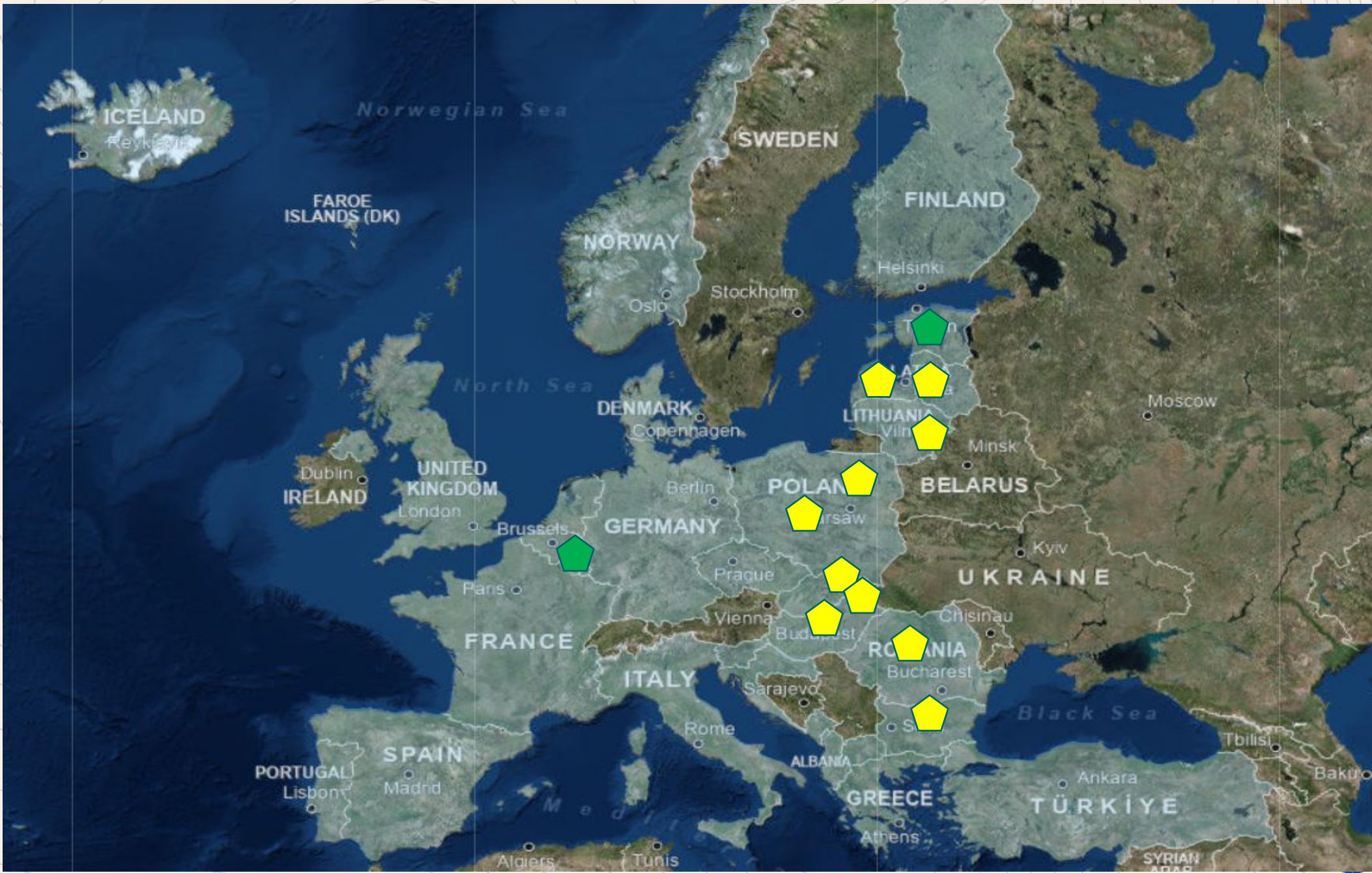
 In place

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 In place

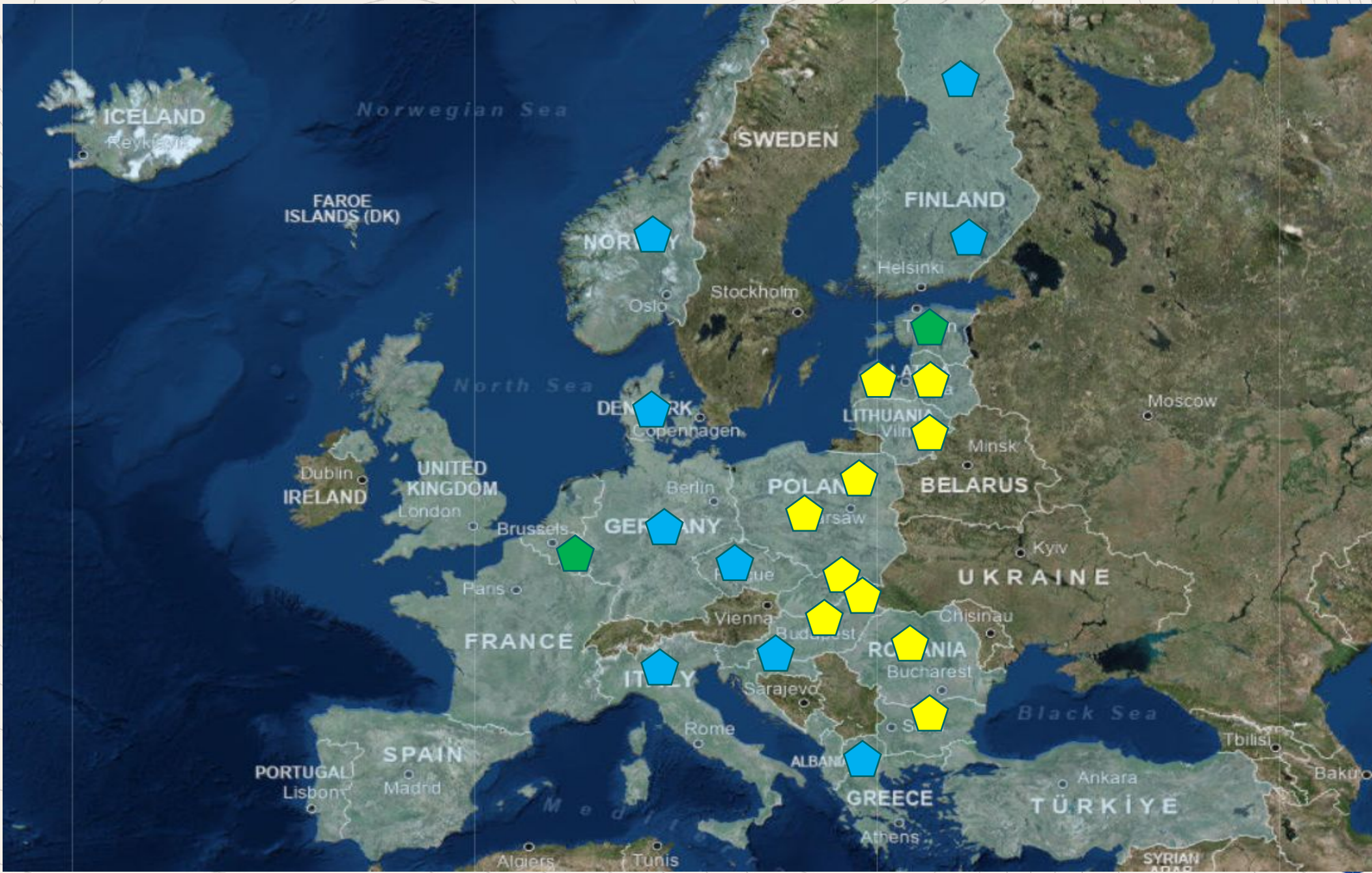
 PA Negotiations ongoing



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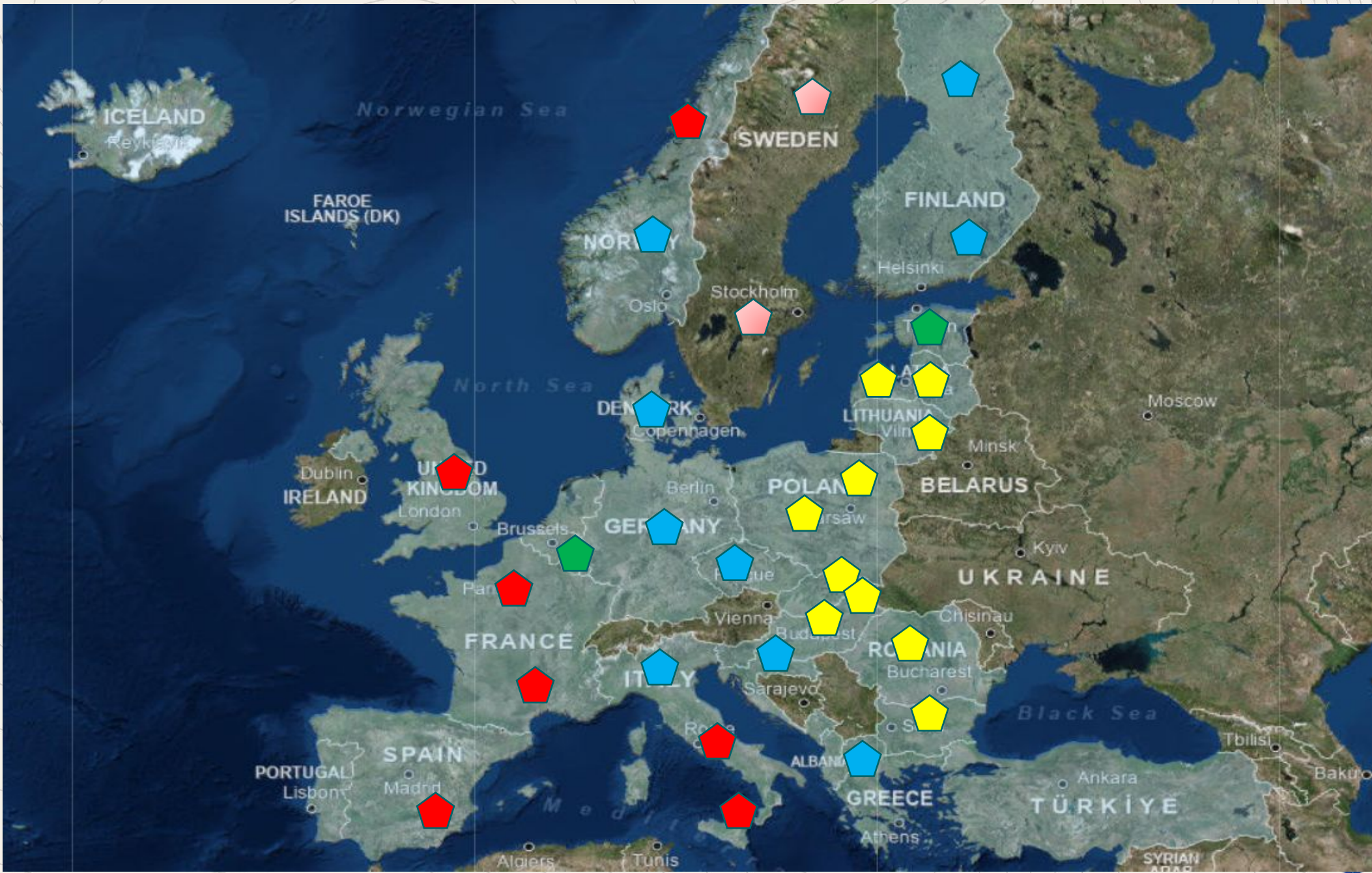
-  In place
-  PA Negotiations ongoing
-  Next stage



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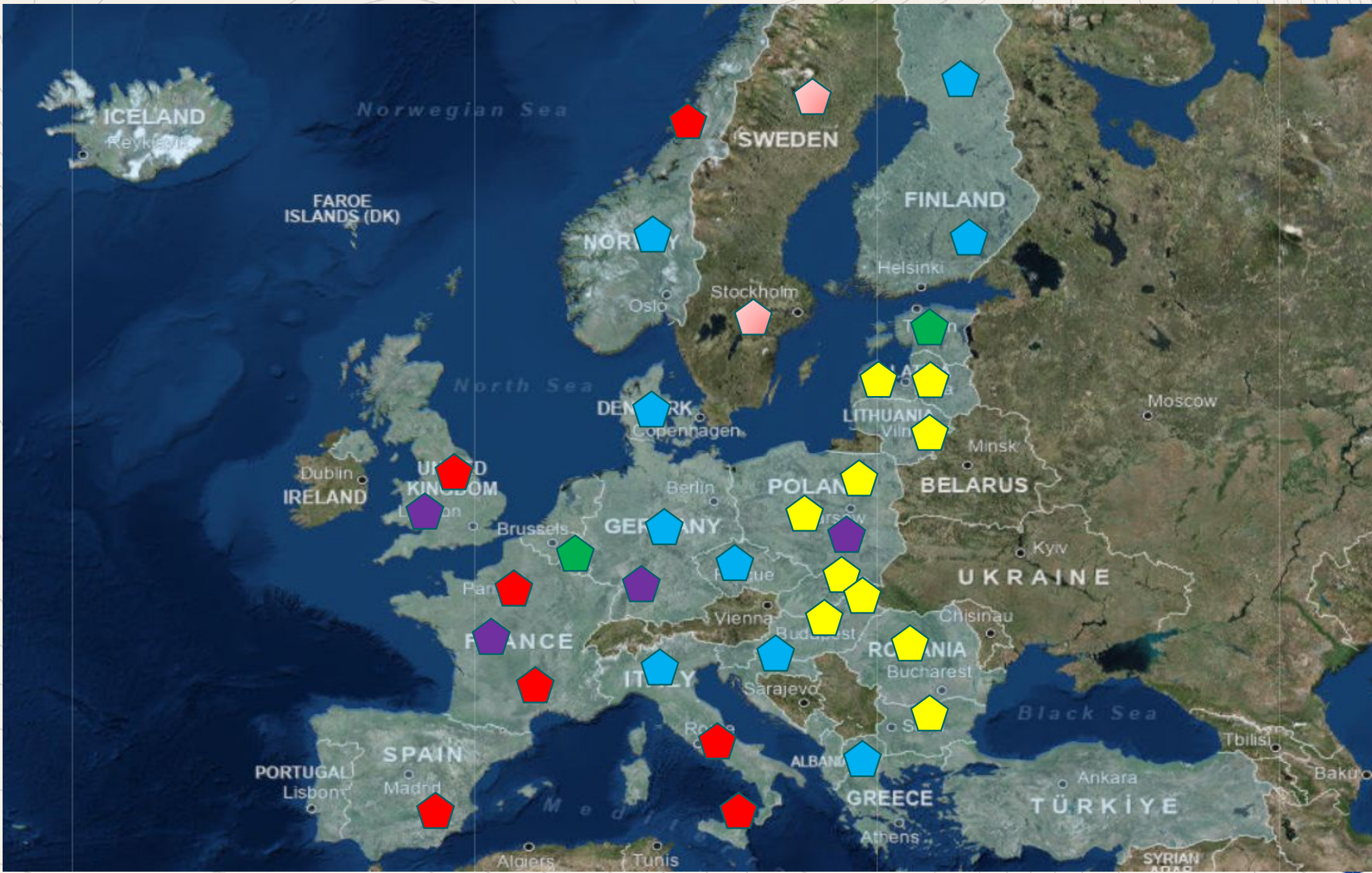
-  In place
-  PA Negotiations ongoing
-  Next stage
-  N, W, S Flank



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-  In place
-  PA Negotiations ongoing
-  Next stage
-  N, W, S Flank
-  Training Area's, Air Force, etc...



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■ Framework Military Mobility - EU

□ PESCO Mil Mob EU Council Decisions (Jun 18) (NLD)

- National Implementation Plan
- 'Cross Border Movement Permissions'(TA)
- National Point of Contact (nPOC)
- Exercises

□ PESCO Network of Logistic Hubs in Europe and Support to Operations (DEU)

- Cloud working
- National Access Point (nAP)
- Capability Catalogue

PESCO: Permanent Structured Cooperation

TA: Technical Arrangement (Surface / Air)

nPOC/nAP: national Point Of Contact / national Access

Point



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PESCO Mil Mob

PESCO MilMob - About the Project

- Start: 2018, chaired by NLD
- Participants:
 - 25 EU member states, 1 observer, 3 (~4) strategic partners
 - EU institutions: DG DEFIS, DG MOVE, EDA, EEAS, EUMS
- Focus: improving milmob within the EUR territory
- Function: international exchange forum
- FAC Conclusions (June 2018)
 1. National Plans
 2. Network of National Points of Contact
 3. Cross Border Movement Permissions within 5 working days
 4. MilMob in exercises

PESCO PROJECTS

MILITARY MOBILITY (MM)

Coordinator



Project Members



PESCO Network of Logistic Hubs in Europe and Support to Operations

Aim & Scope

- Strengthen NATO's European pillar (**Common operations - common support**);
- **Simplify/align** the provision of **MN logistics**;
- Establish/operate a **network of Logistic Hubs** in Europe;
- Support the (re-)deployment process and sustain our troops.

Vision

Network of LogHubs in Europe as integral part of national logistical planning from 2025 on.



Opportunities



Logistic Services Ops & Training



Pre -staging/ Storage – Packages



Deployment/ pre-identified Material/ Supply Items



Follow-on Support/ Material Exchange

Project Coordination & Members



Third-State Participation in PESCO Projects welcome!

(Canada (01.04.24))

Observers

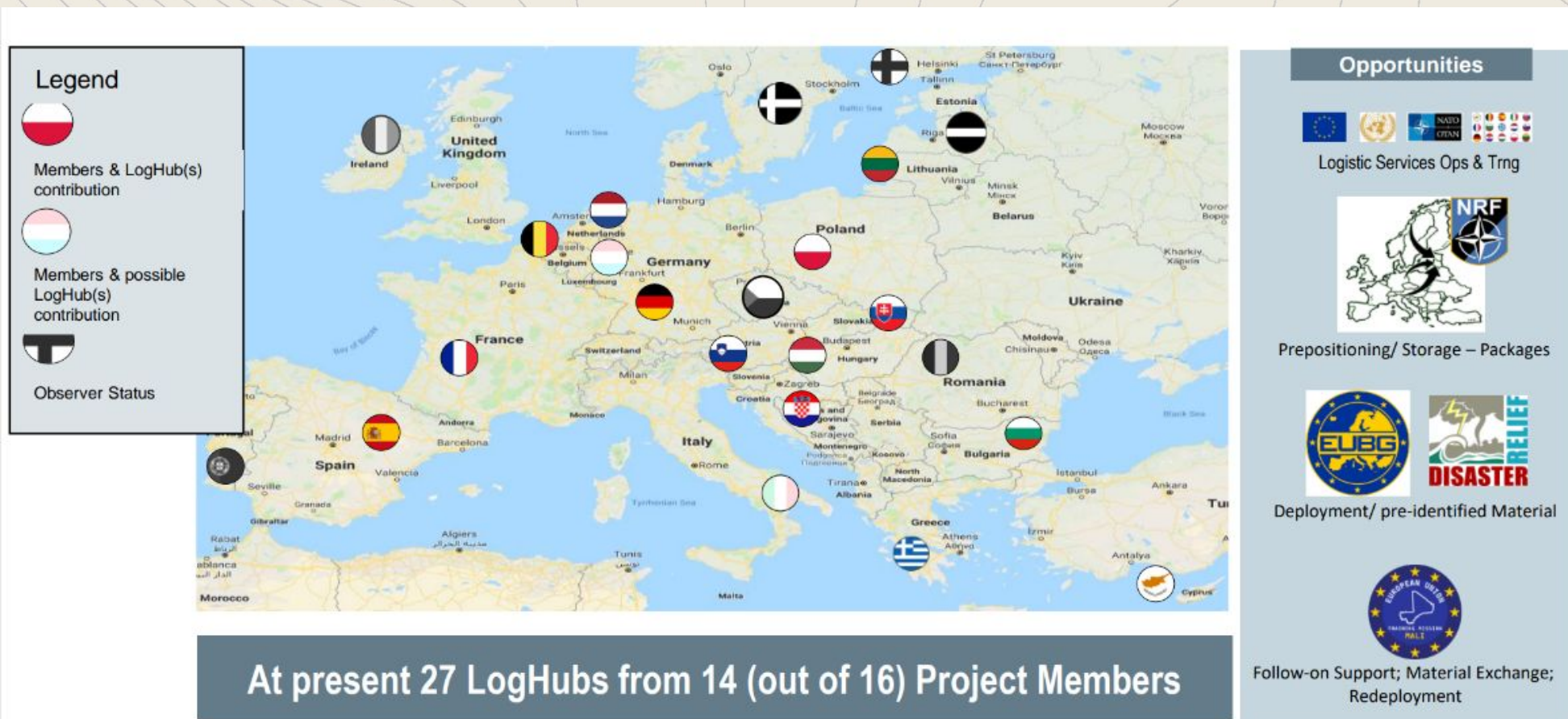


“Supporting”



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PESCO Network of Logistic Hubs in Europe and Support to Operations



Framework Nations Concept – Cluster Logistics (DEU)

Betreff Subjekt Object	16 th FNC Cluster Logistics Expert Workshop	
Veranstaltung Meeting/Réunion	Ort / Place / Lieu Erfurt, GERMANY	Datum (von – bis) / Date (from – to) / Date (du – au) 07. – 08.02.2023



With the FNC CL, we are at the forefront of “Collective Logistics”; it is worth focusing on this, because there is potential for a valuable cooperation.

Major General Funke, COM BwLogCmd, 21/02/23



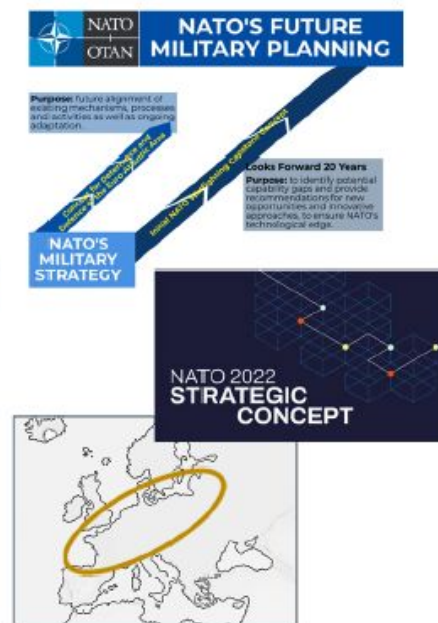
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Project-guiding:

- More consistent coordination between nations and NATO in order to avoid redundancies/ mis-developments.
- Further NATO development must be taken into account: new NATO LoA, NDPP/ NATO planning objectives for larger formations and JLSGs in ND/CD, RSN or Enablement of SACEUR's AOR.
- More intensive involvement of new stakeholders (JSEC).
- Adaptation of the JLSG structures and reassessment of the need for NFS JLSGs.



Framework Nations Concept – Cluster Logistics (DEU)

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Project-guiding:

- Increased training and further training of the MN tactical level, taking into account the NATO Capability Codes, in order to promote the project approach plug-in/ plug-out (especially for RSOM).
- Creating a legal/ organizational framework for enabling units.
- Use of the presented tools (Capability & Stakeholder Matrix) to improve transparency. Strengthening of commitment.
- From national solos towards MN best-use solutions in order to address limited resources through interoperability, synchronization, coordination and joint development.

Enablement



Project Enablement – Fase 1 (Mission Analysis: BEL as Reception/Transit & Sending -Nation)



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THE ENABLEMENT ECOSYSTEM

Simplification of NATO doctrine and policy for briefing purposes only (v1.1)

ENABLEMENT

Integrated *whole-of-government* activities that support reinforcement by forces and movement of supplies across SACEUR's AOR.



Government



Energy

SUSTAINMENT 6 military functions:



Medical



Personnel



Engineering

LOGISTICS

4 subordinate functions:



Supplies



Services



Maintenance



Movement



Finance



Contracts



Hospitals



Transport



Communications

OTHER TERMS

Enablers. Often used broadly to describe forces that support combat elements. Can include, IAMD, artillery, combat engineers, as well as logistics, medical etc.

(To) Sustain. Provide the support and supplies needed for ops.

Host Nation. Includes countries that either: receive NATO forces, allow their transit, or their basing.

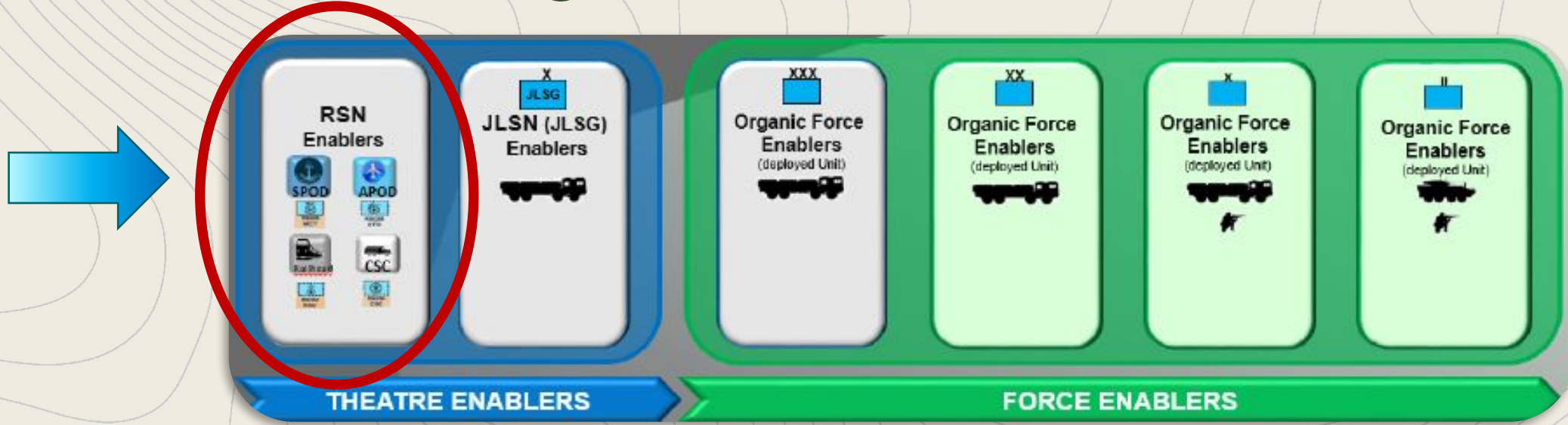
PHYSICAL - Network of ports, airports, roads, rail, waterways, holding and storage areas that allow the movement of forces and supplies.

FUNCTIONAL - Legislative and procedural requirements needed for the movement of forces and supplies, including for cross border movement.

REINFORCEMENT AND SUSTAINMENT NETWORK (RSN)



So What for Belgium?





Questions?

