



European Defence Agency CIED briefing to the Global EOD Conference

Agenda

 Introduction to the EDA

 EDA CIED

EUROPEAN-US DEFENCE EXPENDITURE - GENERAL

	Europe*	US**
GDP:	€11,3 Trillion	€ 10,5 Trillion
Total Defence Expenditure:	€201 Bn	€491 Bn
Personnel Expenditure:	€110 Bn	€100 Bn
Operations & Maintenance:	€43,3 Bn	€169,2 Bn
Equipment Procurement:	€29,1 Bn	€83,0 Bn
Research & Development	€9,7 Bn	€58,0 Bn

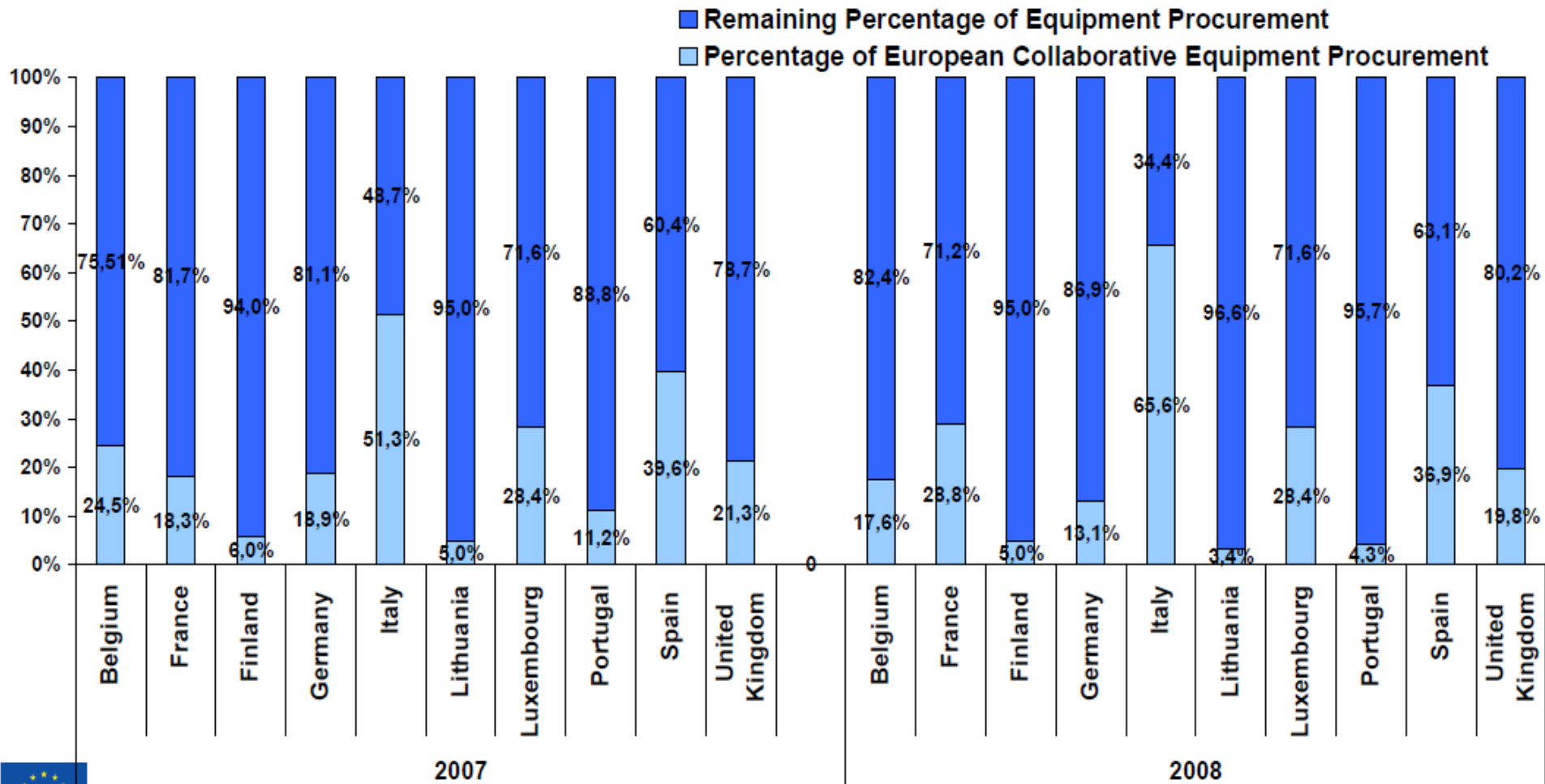


*Europe means 26 EDA participating Member States
**Euro/Dollar exchange rate is based on average for 2006: rate of 1,2556

Collaboration



European Collaborative Equipment Procurement as a Percentage of Total Equipment



EDA Participating Member States pMS



Participating Member States

EDA

NATO

Partnership
for Peace
(PfP)
States:

- AT
- FI
- SE
- IE
- MT
- CY

- BE
- DE
- RO
- ES
- FR
- UK
- CZ
- HU
- PL
- BG

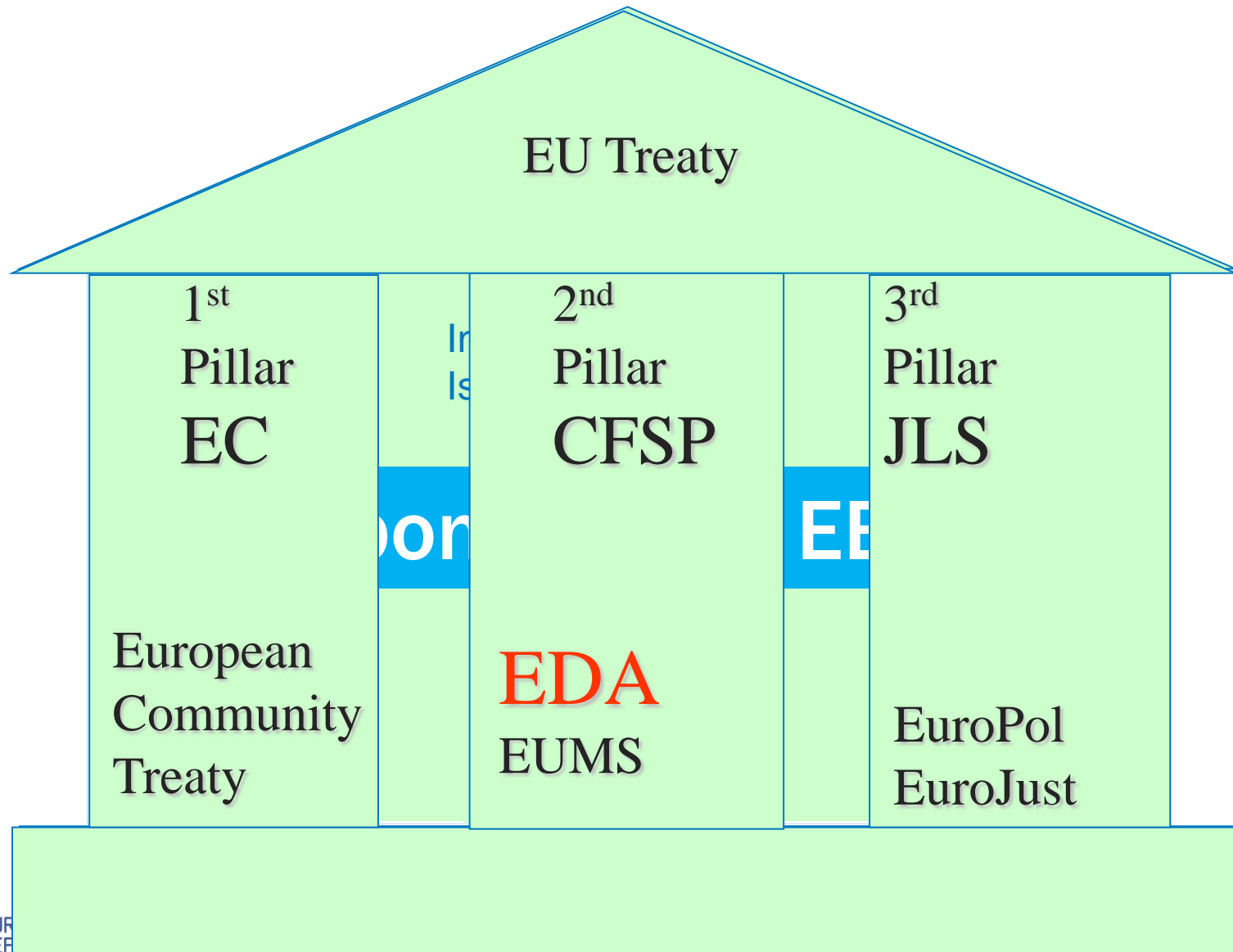
- LU
- NL
- PT
- IT
- EL
- SK
- ET
- LT
- LV

ISAF

- CA
- US
- IS
- NO
- DK
- TU
- AB
- HV

- AE
- AU
- AZ
- BA
- GE
- JO
- MK
- NZ
- SG
- UA

The EDA in the European Institutions



EDA Structure



HR Baroness Ashton
Head of EDA



Claude-France Arnould
Chief Executive

Media / Comms

Planning / Policy

Deputies Chief Executive

Director R&T

Director Armaments

Director Capabilities

Director Industry/Markets

Director Corporate Services

EDA Background

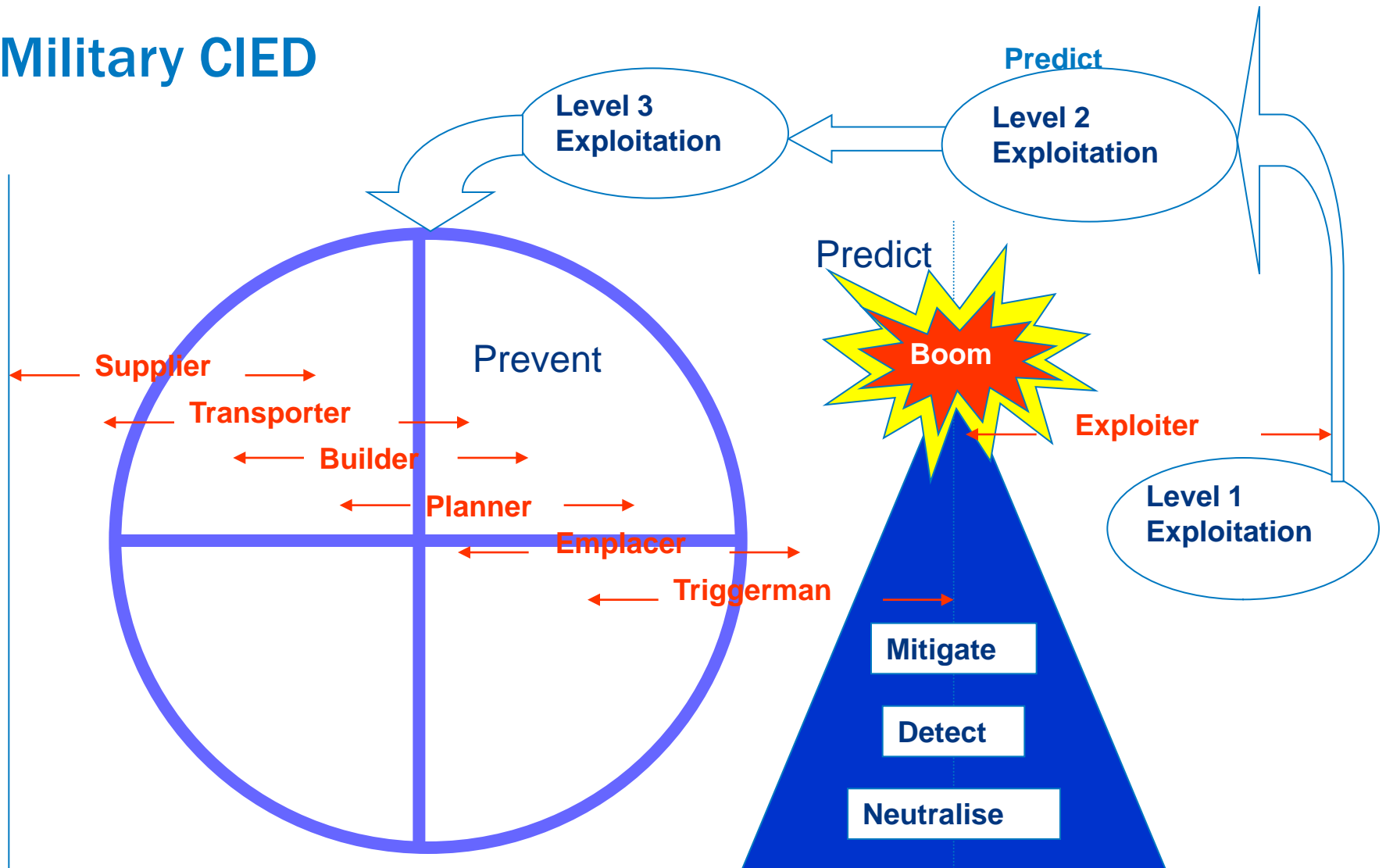
- 💣 **Small Agency approximately 130 people**
- 💣 **Small budget only for enabling activities**
- 💣 **Only exists for Member States to enhance their capabilities**
- 💣 **No inherent EU Capability is being built – resides entirely in Member States**
- 💣 **Can only do what member states want to do**
- 💣 **Collaborative Forum**
- 💣 **Can inject proposals**

Agenda

 Introduction to the EDA

 EDA CIED

Military CIED



National C-IED Capabilities

- Search
- Exploitation / Weapons Intelligence
- Route Clearance
- TTPs
- IEDD (Including Manual Neutralisation Techniques)
- Mitigation
- ECM

Search: 5 Year Plan (IT lead)

1. Draft ESDP Search Concept, low level concept
2. Italian Experimentation and European Catalytic training
 - 2009 – Intermediate TTT Course Rome. **Complete**
 - 12 pMS AT, BE, CZ, DE, ES, FI, FR, HU, IE, IT, LV, SE – 27 Trained Soldiers
 - 2010 – Advanced Search Advisors Course, Rome **Complete**
 - 12 pMS AT, BE, CZ, DE, ES, FI, IE, IT, NL, PL, SE, SI – 28 Trained Soldiers
 - 2011 – Basic Search TTT Course. **Complete**
 - 9pMS AT, BE, DE, ES, IE, IT, LV, RO, SE – 27 Trained Soldiers
 - 2012 – Specialist Search Course. **Planning in Progress**
 - 2013 – CBRN Search Course.
4. 2013 – Presentation of Search Concept following Experimentation



Cooperation with Mil Eng COE



Route Clearance (IT Lead)

- 💣 To give Freedom of Movement in an IED infested environment
- 💣 Looking at requirements for 2015 and beyond across European Militaries
- 💣 Interested pMS AT, BE, CZ, DE, ES, FR, IE, **IT**, NL, SE and UK

💣 Development Process:

- 💣 Framework For Future Route Clearance Capability Development
- 💣 Share with Industry
- 💣 Common Staff Target
- 💣 Share With Industry
- 💣 De-Risking
- 💣 **Demonstrator**
- 💣 **Category B Programme**

2010

Industry Briefing 27 - 28 Sep 2011 Rome



2013/14



Route Clearance – Who's doing what

- 🚀 Nationally – Urgent Operational Requirement, needed right now
- 🚀 NATO (ESCD & NC3A) – Analysis of high-medium TRL technologies, current NATO and National CONEMP and RC demonstration which will be available to support Operations and Doctrine review in the next 2 to 3 years.
- 🚀 NATO CNAD – Team of experts on Route Clearance equipment run an annual workshop to share TTPs and experiences from operations.
- 🚀 EDA – A Capability driven approach looking at future requirements beyond the current conflicts from 2015 and beyond.






Manual Neutralisation Techniques (IE Lead)

- 💣 Kick off meeting 27 Jan 2011
- 💣 C-IED MNT Course Nov/Dec 2010 (3 weeks) in UK
- 💣 12 Students from AT, DE, FI, IE, NL, RO, SE, UK – 9 pMS
- 💣 CBRN MNT Course Sep/Oct 2011 (3 weeks) in UK
- 💣 12 Students from AT, BE, DE, FI, IT, IE, NL, SE - 8 pMS
- 💣 Exercise European Guardian Austria 11 to 22 June 2012






Current R&T

IED Forensics

-  Kick off meeting 2 Feb 2012
-  To Monitor Vehicles before during and after IED attacks
-  Vehicle “Black box” study to improve IED Counter-Measures.

Signatures of IEDs

-  Develop a generic model for a specific type of signature
-  Develop a methodology for acquiring data on the behaviour of the specific type of signature/s
-  Propose how the model can be further developed to encompass other signatures

2012 - Ireland

💣 Ground Sign Awareness Training – IE Ordnance School

- 💣 Enhances soldiers ability to find IEDs 70 – 80 %
- 💣 Provides Real Time Intelligence
- 💣 Train the Trainer
- 💣 20 students, 2 Weeks 9 to 20 April 2012






💣 Home Made Explosives Training – IE Ordnance School

- 💣 Awareness, Manufacture Safe handling, Range Testing, Disposal
- 💣 Train The Trainers
- 💣 30 Students 9 to 27 July 2012



Other work streams






Lessons Identified (TTPs)

-  Lessons Identified Workshop held in Sweden on 22-24 Nov 2010 (SE Lead)
-  2011 ES CIED COE, possibly to be an annual event
-  2012 TBC

C-IED Exercises

-  2013 - NL Lead

C-IED Expert Detection Group

-  CIED Studies pre 2008
-  Initial Meeting
-  Scenarios
-  Industry on Board workshop Feb
-  Possible projects

EDA Level 2 Exploitation

The analysis of artefacts collected after an IED incident to gain intelligence about Bomb Facilitators



C-IED Exploitation Level 2

- 2009 C-IED Exploitation Category B project failed
- Early 2010 EDA volunteered € 1M for a Level 2 project
- 26 Apr 2010 SB MoD launched **THEATRE EXPLOITATION LABORATORY (Demonstrator), TEL (D)**
- **FR** Lead Nation; AT, ES, IT, LU, NL, PL, RO, and SE joined up the group of interested pMS
- Subsequently:
 - » Military requirements and technical specifications were defined
 - » Tender process was prepared and conducted
 - » INDRA was given the contract on 17 December 2010
 - » The General Conditions with all Member States
 - » The Technical Arrangement with those States involved
 - » Manning Conferences
 - » Training Requirements developed, Training conducted

TEL(D) → MN TEL

- 💣 Lab Deployed on 28 Jul to Afghanistan
- 💣 TACON TF PALADIN
- 💣 IOC 20 Sep 2011, FOC 24 Oct
- 💣 Up to Late Feb Processed 110 cases.
- 💣 1st Rotation 4 Nations (Spain, **France**, The Netherlands, Poland) 1 x US liaison Officer July 2011 – Jan 2012
- 💣 2nd Rotation 6 Nations (Spain, Italy, **France**, The Netherlands, Poland, Sweden) Jan 2012 to July 2012
- 💣 3rd Rotation 8 Nations (Spain, Italy, **France**, Luxembourg, The Netherlands, Poland, Romania, Sweden) July 2012 to Jan 2013
- 💣 Future beyond Jan 2013 NYK



Questions or Comments?

EDA

