



CBRN
**Centres
of Excellence**
An initiative of the European Union



Chemical Biological Radiological Nuclear - Centres of Excellence

**EU activities in the field of Combating Illicit
Trafficking as part of the CBRN CoEs**
(Focus on RN detection, Forensics and Trainings)

Global Partnership January 24 – 25, 2012
Department of State, Washington, USA

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Joint Research Centre
European Commission

Jointly implemented by JRC and UNICRI





Inside EU

- **EU CBRN action plan adopted by EU Council in Dec 2009. list of measures to mitigate the CBRN risk**
124 actions being implemented in the field of prevention, detection and response by EU MS and EC

Outside EU

- **Instrument for Stability (IfS) 2007-2013**
Indicative Programme 2009-2011: ***Establishment of regional CBRN Centre of Excellence***
- ***Joint Actions, Instrument for Pre-accession***

Synergy between inside and outside EU CBRN security

- **coherency**
- **resource optimisation**
- **better coordination**



Support provided by EU through its JRC to the Beneficiary Countries (2006+)

- **Deployment of fix and mobile detection equipment**
RF, UA, ARM, GEO, MOL, BEL, TAJ, UZ, AFG, SEA, North Africa
- **Establishment of Mobile Expert Support Teams**
RF, UA, BEL
- **Support to local training and Education capabilities**
UA, SEA
- **Provision of training for Front Line Officers and their trainers**
All





Regional project to combat illicit trafficking

Russian Federation	Ukraine	Republic of Moldova	Republic of Georgia	Republic of Azerbaijan
Upgrade of analytical laboratory capabilities	Upgrade of analytical laboratory capabilities	Upgrade of analytical laboratory capabilities	Upgrade of analytical laboratory capabilities	Upgrade of analytical laboratory capabilities
	Joint Analysis Agreement	Joint Analysis Agreement	Joint Analysis Agreement	Joint Analysis Agreement
Maintenance of the NM Database	Maintenance of the NM Database			
Training	Training	Training	Training	Training
	Workshop	Workshop	Workshop	Workshop



Pilot regional project in **South East Asia** for capacity building in countering illicit nuclear trafficking in the frame of the **Centre of Excellence** initiative

Nuclear Forensics
Awareness

Nuclear Forensics
Core Capabilities

National reach back
capability

Encourage
Development of
National Response
Plan

Regional and
international
outreach





Set up of a Regional Network of Nuclear Forensic Laboratories

- Identified at Tbilisi workshop (June 2009)
- Preparatory Meeting (Brussels, Jan. 2010)
- Workshop (Kiev, Feb. 2010) STCU-EU-US DOE-Canada
- Proposal elaborated under leadership of INR (Kiev, UA)
- Focused on GUAM (Georgia, Ukraine, Azerbaijan and Moldova) countries



Examples of Actions (to be) implemented under the EU CBRN Action plan

On going projects:

1- Evaluation and comparison of the performance of available detection equipment relevant to nuclear security (the ITRAP+10 project).

Cooperation with US-DHS/DNDO + IAEA

2- Creation of a European Radiological/Nuclear Security Training Programme for the Law Enforcement Community (EUSECTRA)

Cooperation with IAEA and US-SLD, support to GICNT IAG

New projects:

1- Support IAEA in improving the IAEA ITDB (**EU/IAEA kickoff meeting Jan 2012**)

2- Benchmarking of Dispersive codes for the estimation of RDD impact (**Project started on Jan 2012**)



- June 2011: FLO Bulgaria (transl. to Bulgarian) for US-DoE-SLD
- June 2011 : T-t-T for French-speaking African countries (in French) for IAEA
- October 2011 : T-t-T for Kazakhstan, Uzbekistan (transl. to Russian) for IAEA
- November 2011 : FLO Croatia (transl. to Croatian) for US-DoE-SLD
- January 2012: FLO (tbd) for US-DoE-SLD
- February 2012: T-t-T for Arabic countries (transl. to Arabic) for IAEA
- March 2012: T-t-T for Ukraine (transl. to Russian) for DG DEVCO
- April 2012: Advanced course for South-East Asian with US-DoE-SLD
- May 2012: T-t-T for Armenia (transl. to Russian) for DG DEVCO
- June 2012: T-t-T for Belarus (transl. to Russian) for DG DEVCO



Border Monitoring Working Group

- Created under the auspice of the IAEA to share relevant information in border monitoring activities and coordinate international support programs in the field
- Members of the BMWG : IAEA office of Nuclear Security, US DoE National Nuclear Security Administration / Second Line of Defence Program, Secretariat General of the European Council, European Commission

Nuclear Forensics

- Coordination of activities with IAEA and US
- Cooperation Europol and Interpol
- Joint Analysis of seized nuclear material
- Dedicated Training
- **Co-Chair Nuclear Smuggling International Technical Working Group (ITWG)**

Euratom agreement: USA, Japan, China, Russia,...