

CBRN Risk Mitigation and Security Governance

Status of implementation of the CoE Regional Secretariats & National Action Plans



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Interregional Crime and Justice
Research Institute

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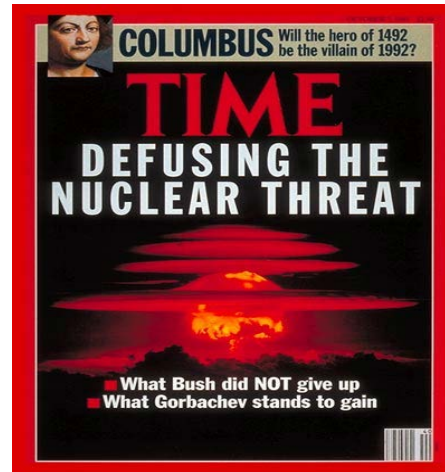
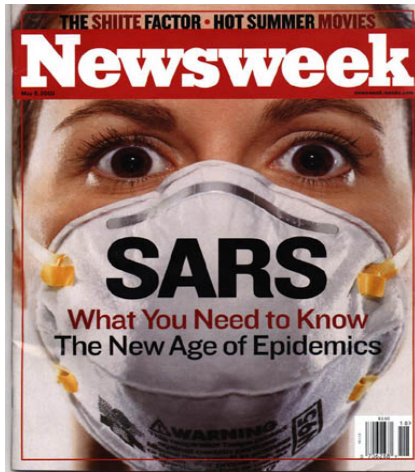


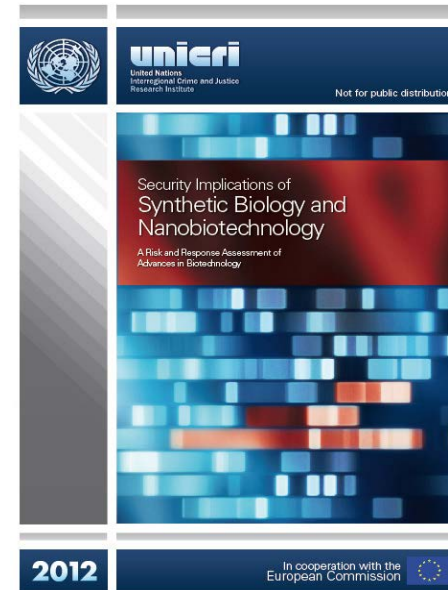
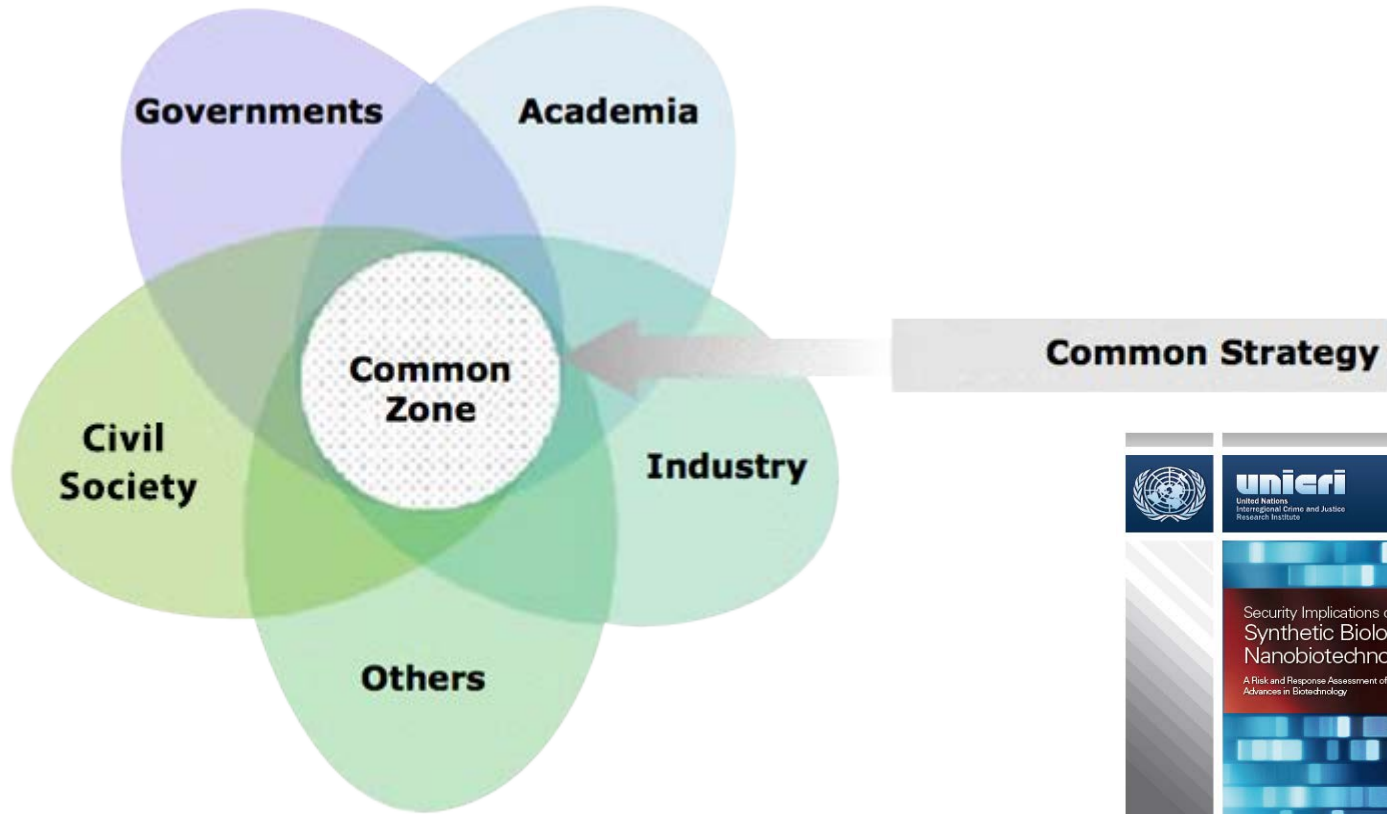
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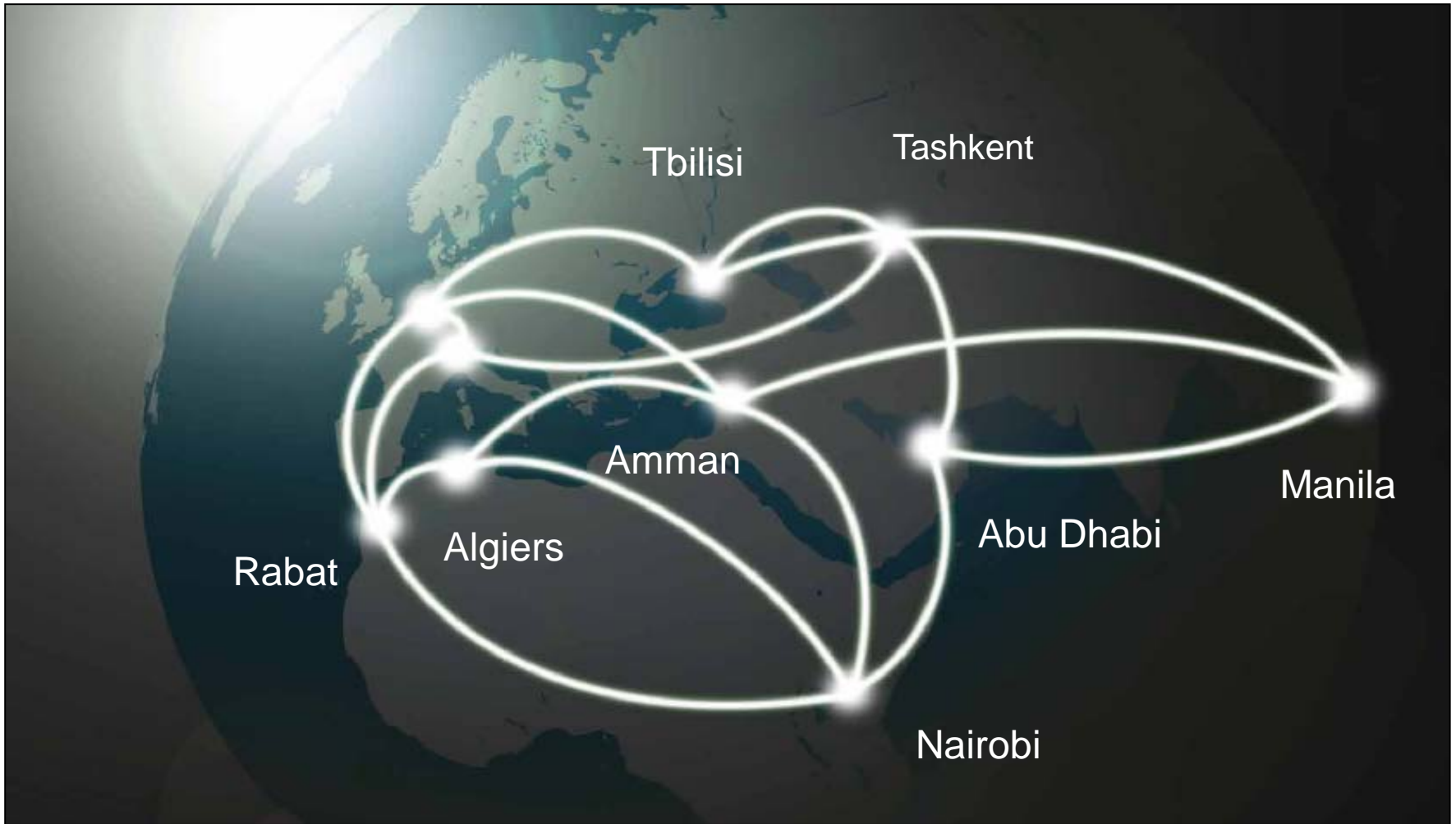
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ECOSOC



United Nations entity
mandated to assist
intergovernmental,
governmental and non-
governmental
organizations in
formulating and
implementing improved
policies in the field of
crime prevention and
criminal justice









CBRN Objective	National Bodies	Info	Resources				CBRN Governance		
			HR	Legal	Financial	Equip	Coordination	Communication	Standardisation
Protect CBRN material		Risk Assessment							
Protect vulnerable infrastructure									
Border control									
Export control									
Transit and trans-shipment control									
Safeguard CBRN sensitive knowledge									
Manage CBRN waste									
...									

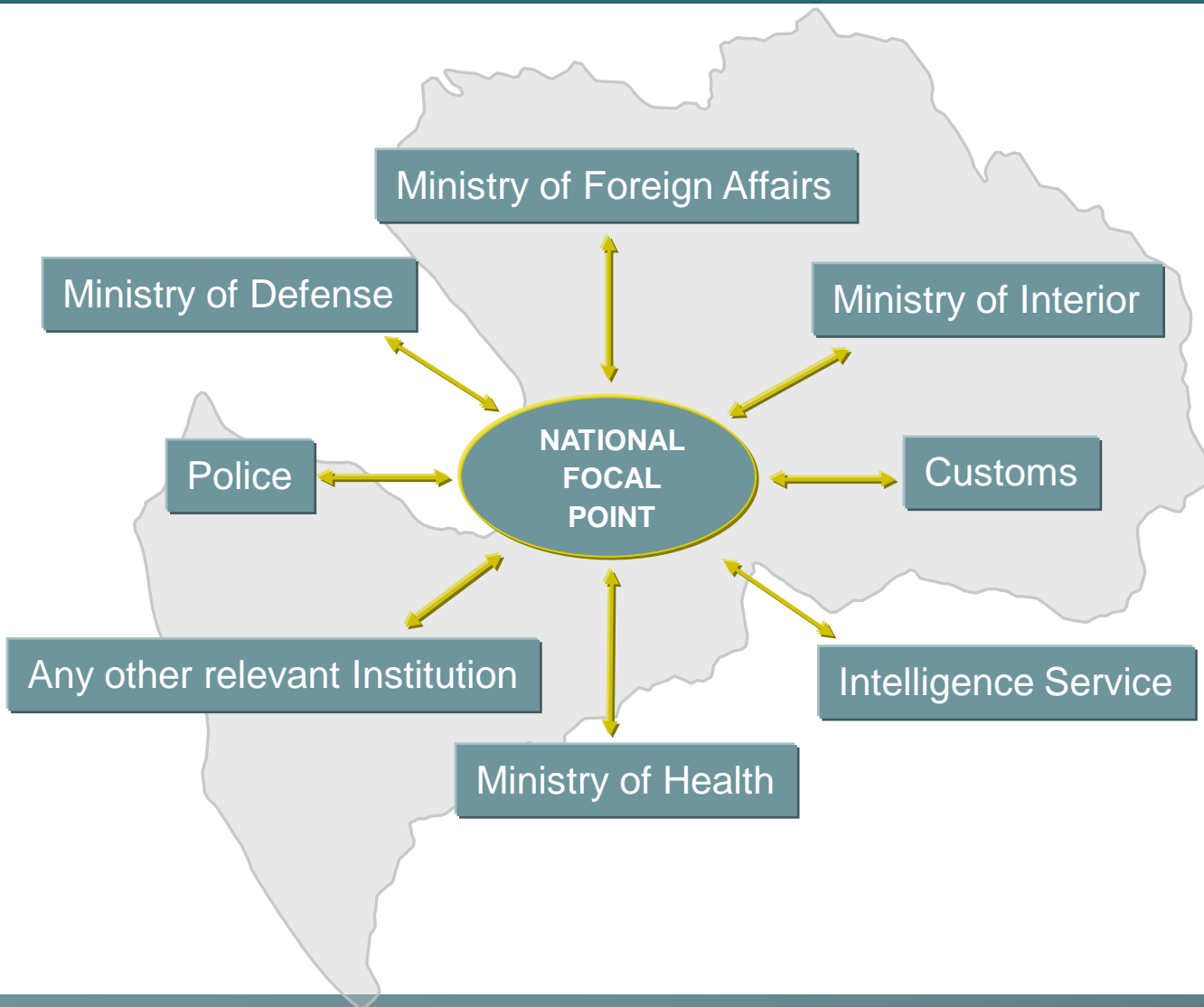


Review & Feedback





Intelligence driven approach





- E-learning courses on CBRN risk mitigation (with James Martin)
- Network of Universities on biotechnology risks awareness (with Centro Volta)
- International Nuclear Security Education Network (INSEN in partnership with IAEA)
- Partner of Chemshiled, @TOMIC 2012 and @TOMIC 2014
- Courses for journalists on CBRN risks





EU Chemical, Biological, Radiological and Nuclear Centres of Excellence (CBRN CoE)

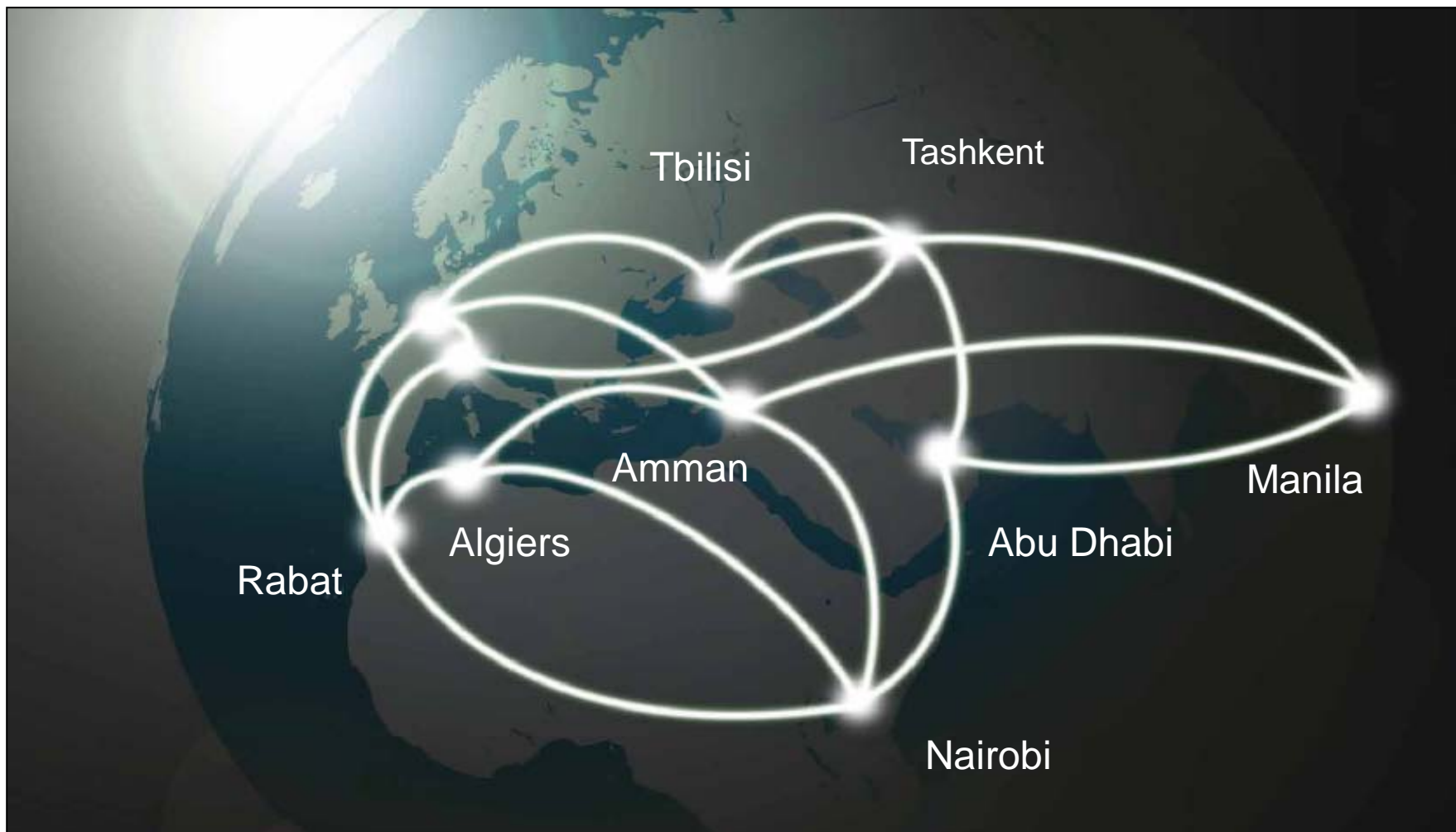


European Union



United Nations
Interregional Crime and Justice
Research Institute

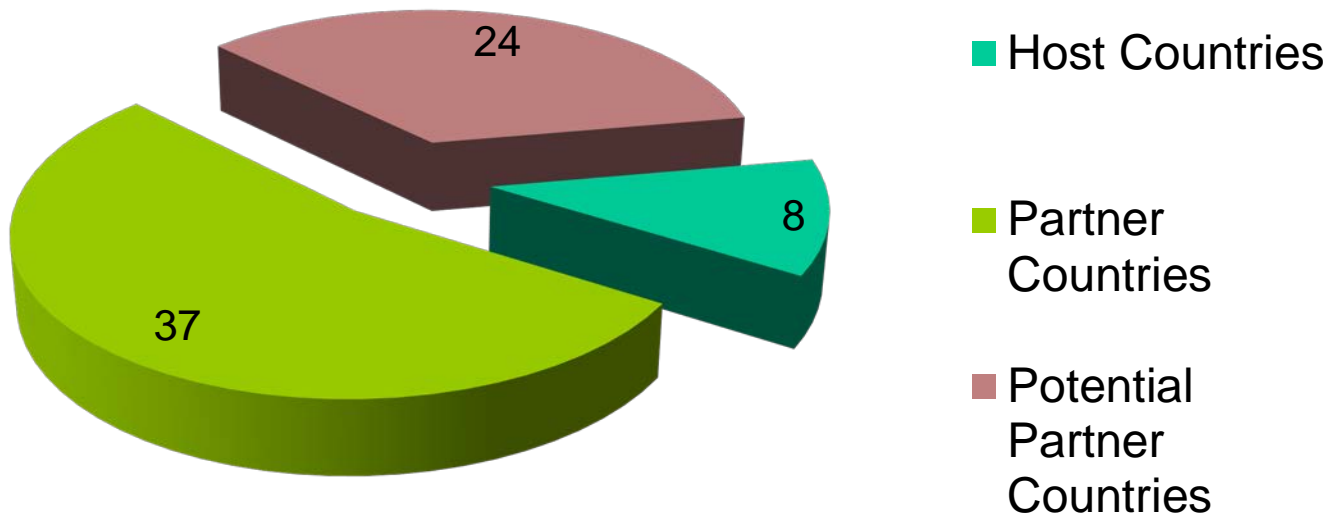
An initiative funded by the European Union
Jointly implemented by EU/UN





The EU CBRN Risk Mitigation Centres of Excellence has 45 Partner Countries outside the EU.

Status CoE Countries





Region: South East Asia

**Location of the Secretariat:
Presidential Palace
Manila, The Philippines**

Head: Oscar Valenzuela



Regional Coordinator: Maria Rettori (rettori@unicri.it)

**Partner Countries: Brunei Darussalam, Cambodia, Indonesia, Laos,
Malaysia, Myanmar, Philippines, Singapore, Thailand, Vietnam**





Region: African Atlantic Façade

**Location of the Secretariat:
Moroccan Civil Protection Office,
Rabat, Morocco**

Head: Mohammed Salami

**Regional Coordinator: Stefania
Micucci (micucci@unicri.it)**

**Partner Countries: Cote d'Ivoire,
Gabon, Liberia, Mauritania, Morocco,
Senegal, Togo**





Region: Middle East

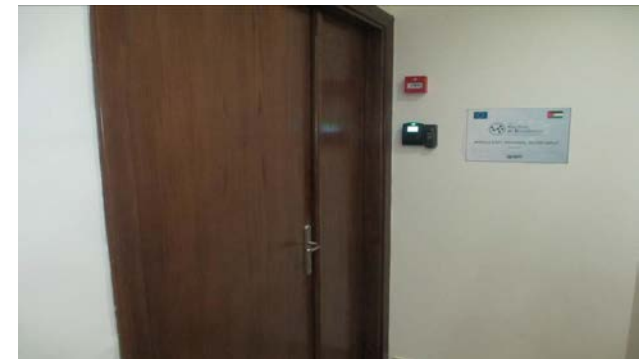
**Location of the Secretariat:
Middle East Scientific Institute for Security
(MESIS)**

Amman, Jordan

Head: Al Sharif Nasser Bin Nasser

**Regional Coordinator: Adil Radoini
(radoini@unicri.it)**

Partner Countries: Iraq, Jordan, Lebanon





Region: South East Europe, the Caucasus, Moldova and Ukraine

**Location of the Secretariat:
Police Academy Ministry of Internal Affairs
Tbilisi, Georgia**

**Head: Givi Amiranashvili (Georgia)
Deputy Head: Marko Milivojevic (Serbia)**

**Regional Coordinator: Francesco Miorin
(miorin@unicri.it)**

**Partner Countries: Albania, Armenia, Bosnia and
Herzegovina, FYROM, Georgia, Moldova, Montenegro,
Serbia, Ukraine**





Region: North Africa

Location of the Secretariat:
Delegation Nationale aux risques majeurs
Algiers, Algeria

Head: Mrs. Kheira Bradai

Regional Coordinator: Harro Wittermans (wittermans@unicri.it)

Partner Countries: Algeria, Morocco, Libya, Tunisia





Region: Gulf Cooperation Countries

Location of the Secretariat:

Office premises identified, hosting institution Abu Dhabi Police

Head: to be identified

Regional Coordinator: Adil Radoini (Acting)

Partner Countries: United Arab Emirates

Potential Partner Countries: Bahrain, Kuwait, Qatar, Saudi Arabia, Oman



Region: Central and Eastern Africa

**Location of the Secretariat:
Hosting Institution Ministry of Public
Health and Sanitation, temp placed in
UNON**

Head: to be identified

**Regional Coordinator: Alma Pintol
(pintol@unicri.it)**

**Partner Countries: Burundi, DRC, Ghana,
Kenya, Rwanda, Seychelles, Uganda,
Zambia**





Region: Central Asia

Location of the Secretariat:

The State Inspection on the surveillance of exploration, safe operations in the industry, mining and public utility sector under the Cabinet of Ministers of the Republic of Uzbekistan (State Inspection “Sanoatgeokontekhnazorat”)

Tashkent, Uzbekistan

Head: to be identified

Regional Coordinator: Fanny Fert (fert@unicri.it)

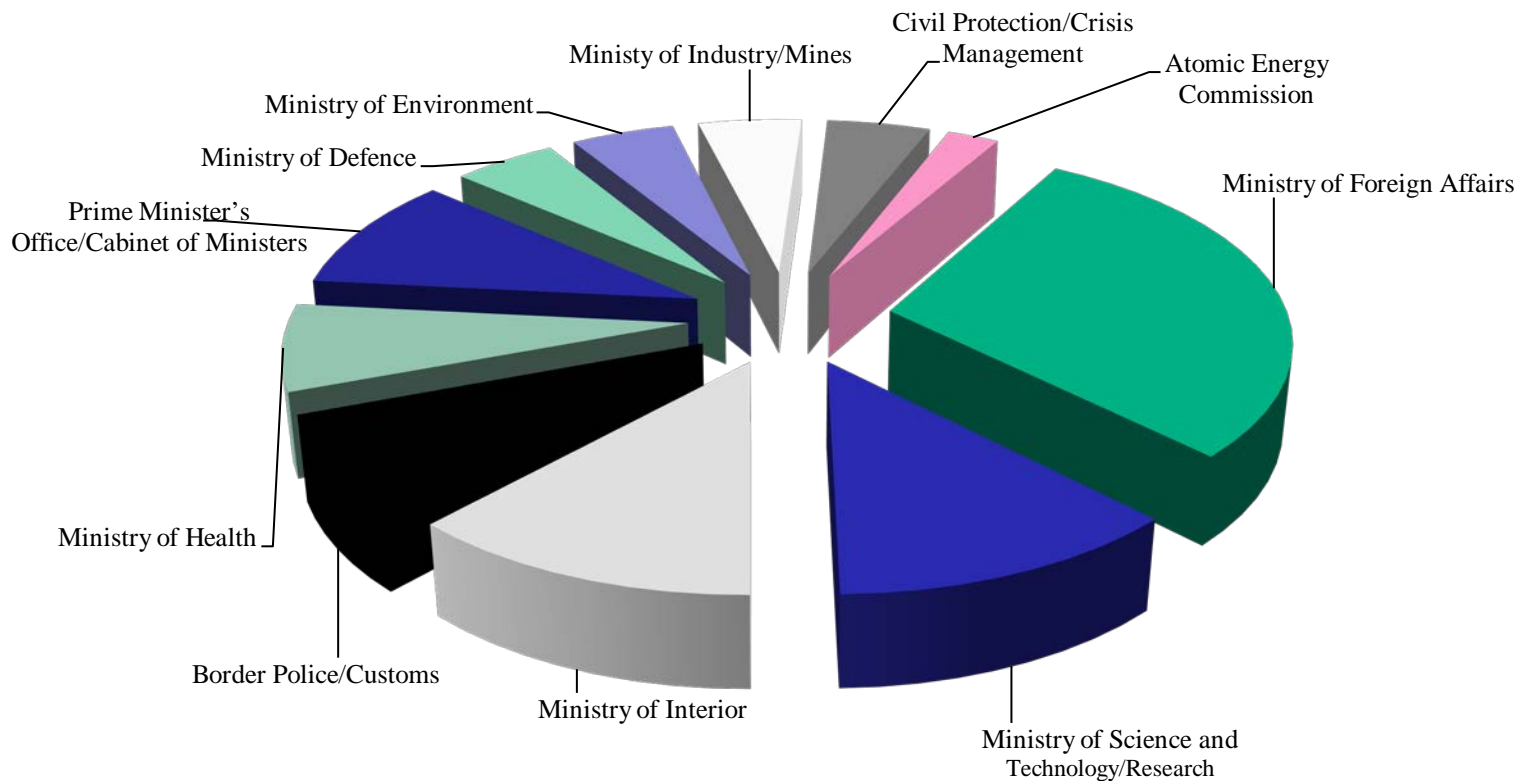
Partner Countries: Uzbekistan, Kyrgyz Republic, Tajikistan

Potential Partner Countries: Azerbaijan, Kazakhstan, Mongolia, Turkmenistan



Description

The National Focal Points are the contact points for the CBRN CoE Regional Secretariat and represent the Initiative in their respective countries. They are the initiators of the CBRN National Team in their countries.





Overall purpose of National Action Plan is to identify **measures** to mitigate CBRN risks, in particular:



- Identify **gaps** in CBRN risks and elaborate **concrete actions** to fill in gaps



- Improve **international coordination** and **harmonization** of existing instruments
- **National CBRN Team** is responsible for preparation and implementation of the National Action Plan



The National CBRN Action Plan will serve as a **vehicle** to fulfill existing instruments, including:

- **Integrated Nuclear Security Support Plan (INSSP)** of IAEA
- **National Action Plan to fulfill UNSCR 1540** (in coordination with UNSCR 1540 Committee, UNODA and OSCE)
- **WHO Protocol for Assessing National Surveillance and Response Capacities** for the International Health Regulations
- **OPCW and INTERPOL activities**



Phase 1
Identification of key
CBRN areas of risk

Phase 2
Gap analysis and drafting
National CBRN Action Plan

Phase 3
Review and finalize of
National CBRN Action Plan



Risk scenarios covering a range of CBRN contingencies:

- **Natural CBRN Hazards**

Disease, earthquakes, floods impacting CBRN material

- **Accidents**

Industrial, laboratory accidents, other

- **Criminal CBRN Hazards**

Terrorism, sabotage, illicit CBRN trafficking



- **Theft of CBRN material and technology**
- **Attack/sabotage of CBRN facilities**
- **CBRN trafficking**
- **Attack on public/individuals**
- **Improper disposal**
- **Accidental CBRN release**
- **Contamination**
- **Natural disaster release of CBRN**
- **Disease outbreak**

SCENARIOS



Source: Public domain

Fraudulent acquisition of plague bacteria

Location:
**Columbus, Ohio,
United States**

Date:
1995

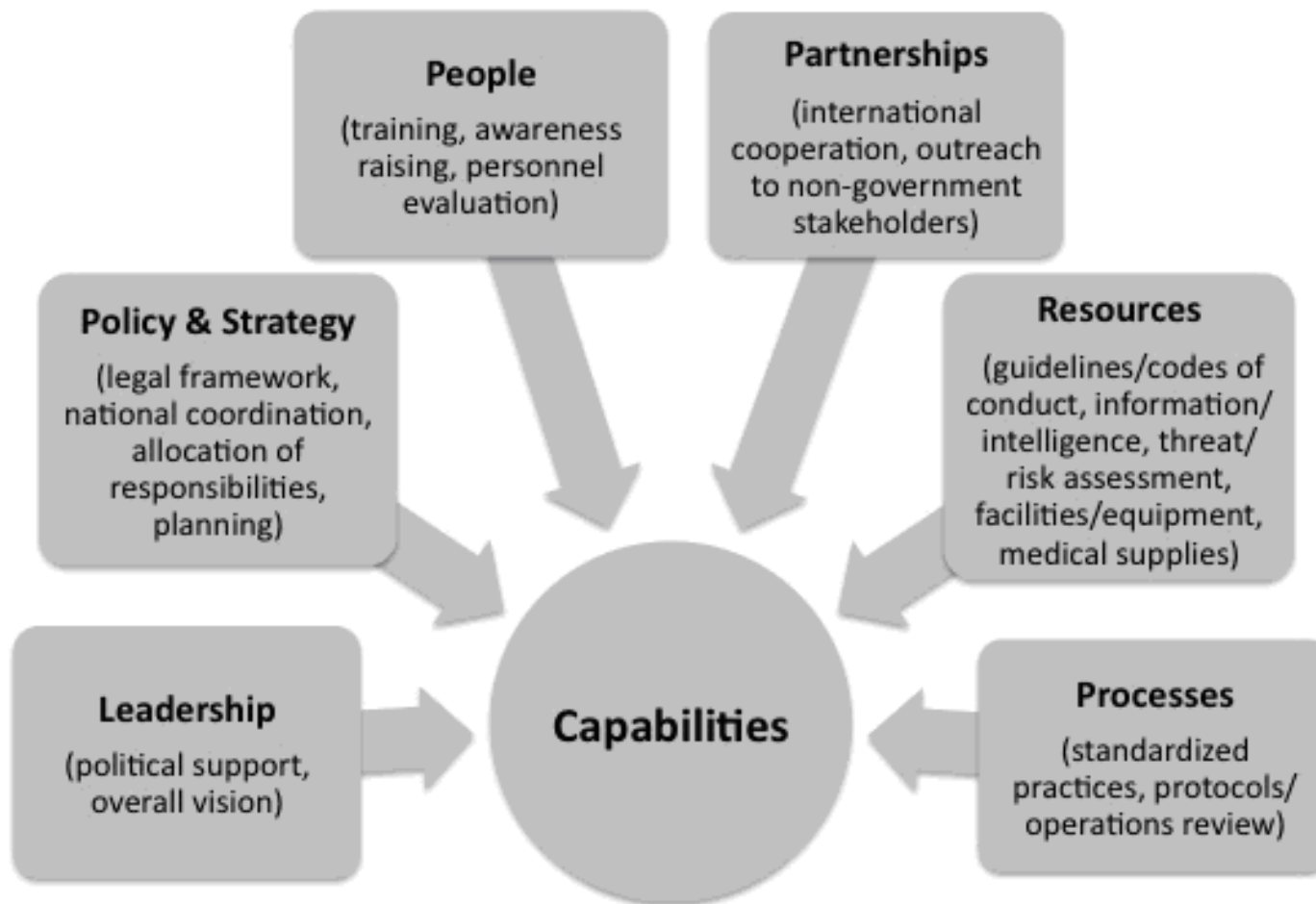
Event description:
**Pathogen ordered from
culture collection**

Agent(s):
***Yersinia pestis* (plague
bacteria)**

Perpetrator:
Larry Wayne Harris



Capacity Analysis (Sample resource 1)





1. Assessment of CBRN threats and risks affecting the country
2. List of obligations linked to international instruments
3. Current capacities to mitigate threats and risks
4. Proposed steps to reinforce national CBRN capacity
5. Current national institutional structure
6. Elaboration of concrete actions to fill in gaps



Table of practical information on proposed actions

Strategic objective (e.g., reduce chem accidents, enhance bio preparedness)	Existing resources/capabilities (e.g., experts, guidelines, equipment, etc.)	Needed resources/capabilities (e.g., experts, guidelines, equipment, etc.)	Proposed actions/activities to fulfill objectives (e.g., workshops, training courses, technical support, etc.)	Lead agency and other stakeholders involved (e.g., national agencies, other countries, etc.)	Budget estimate	Time frame (expected duration, start/end date)	Priority level (High, Medium, Low)	Notes (e.g., relevant CBRN scenario)
Prevention								
Objective 1			1. 2. ...					
Objective 2			1. 2. ...					
...			...					
Detection								
Objective 1			1. 2. ...					
Objective 2			1. 2. ...					
...			...					
Preparedness and response								
Objective 1			1. 2. ...					
Objective 2			1. 2. ...					
...			...					
General actions, including CBRN governance								
Objective 1			1. 2. ...					
Objective 2			1. 2. ...					
...			...					



CBRN Risk Mitigation



Biotechnology & Nanotechnology



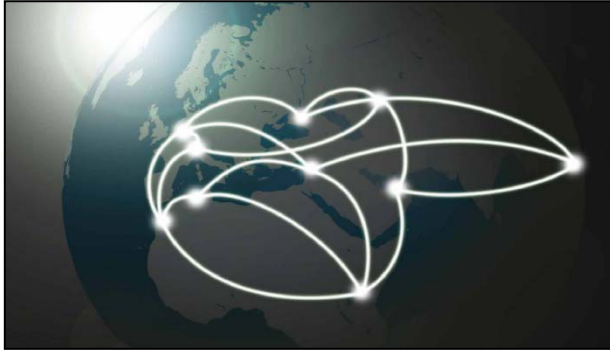
Big Data



Methodology for Intelligence Sharing



Cybersecurity & Critical Infrastructures



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Governance
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