



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



**EUROPEAN UNION CHEMICAL, BIOLOGICAL,
RADIOLOGICAL AND NUCLEAR RISK MITIGATION
CENTRES OF EXCELLENCE INITIATIVE
EU CBRN CoE**



Funded by
the European Union



With the support of

unieri
United Nations
Interregional Crime and Justice
Research Institute

Kazakhstan mine fire leaves at least 42 dead



UGANDA POLICE FORCE
Counterterrorism experts recover stolen radioactive source and arrest 3 factory lab technicians



AMMONIA LEAK. Clad in hazmats, members of the Bureau of Fire Protection respond to an ammonia leak incident in an ice plant in Quezon City. In a statement on Friday (Dec. 28, 2023), the city government said it will investigate to determine the cause of the leak. (PNA file photo)

Time to Tackle Bosnia and Herzegovina's Toxic Air

Hackers Successfully Shut Down "Critical Infrastructure" in an Unprecedented Attack



hazardex on i

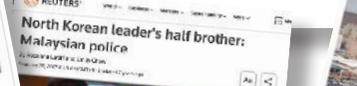
Uzbekistan chemical plant blast kills six



16 killed in Pakistan chemical factory fire

Médicaments de mauvaise qualité en RDC: des conséquences préoccupantes

North Korean leader's half brother: Malaysian police



Time to Tackle Bosnia and Herzegovina's Toxic Air

Armenia to strengthen chemicals and waste management



16 killed in Pakistan chemical factory fire



Why fish are dying in Lake Victoria



Cybersecurity 'Death Kitty' Ransomware Linked to South African Port Attack



Georgia reports 11,225 new cases of coronavirus



Eight Serbian miners died from gas poisoning in a mine in the country's south on Friday



Serbian miners dead from gas poisoning, energy minister says



Malawi floods threaten animals and communities with disease

We're supplying medical treatment to more than a hundred thousand animals in Chikwawa, Malawi - where communities have been devastated by heavy rain

Experts stress on need to address biosafety and biosecurity challenges

WHO says making contingency plans for possible 'chemical assaults' in Ukraine

Sustainability driving GCC waste management market

The perils of air pollution in North Macedonia

Dozens Sent To Hospital In Serbia After Train Derailment: Causes Ammonia Leak

Libya lost, then found, 2.5 tonnes of uranium - a red flag for nuclear safety

Serbian city declares emergency after ammonia leak

Montenegro Further Safety with the EU

Committee for Biosecurity reviews efforts on biological threats

Kenyan authorities foil major bio-terror attack

The terror network was planning a large-scale anthrax attack with the intention of killing innocent Kenyans, say authorities



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WHO says making contingency plans for possible 'chemical assaults' in Ukraine

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Ammonia leak in Serbia causes hospitalizations

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Boko Haram may deploy chemical weapon in future, says FG

December 22



Ammonia leak in Serbia causes hospitalizations



explosion d'un camion



Ghana: Making one of the earth's most polluted places safer

Thousands of tons of plastic waste are dumped in a swampy area near the coast. The government is planning to build a new facility to process the waste.

Ghana: Where Europe's e-waste goes

Electronic waste is being dumped in a swampy area near the coast. The government is planning to build a new facility to process the waste.

Ethiopia denies using banned chemical weapons in Tigray

Ethiopian officials deny reports that they used chemical weapons in the Tigray region.

A crane dropped a tank filled with about 25 tonnes of chlorine...

The tank fell from a crane at a port in Jordan, causing a major explosion.

Toxic mining waste threatens health near North Macedonia school

Waste from a nearby mine is contaminating the area around a school.

Oil tanker explodes in Sierra Leone, killing at least 99 people

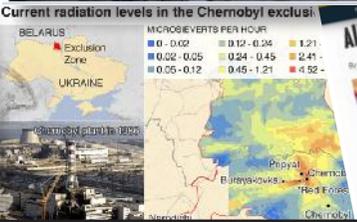
A large crowd gathered to collect leaking fuel after a bus struck the tanker in a Freetown suburb.

Chlorine gas explosion at Jordan's Aqaba port kills at least 10

The explosion occurred at a port facility, causing significant damage.

Moldova sets new agenda to achieve sound chemicals and waste management goals

The government has announced a new strategy for managing hazardous waste.



Albanian executives fear infectious diseases, cyberattacks in 2023

Industry leaders in Albania express concerns about health and digital security.

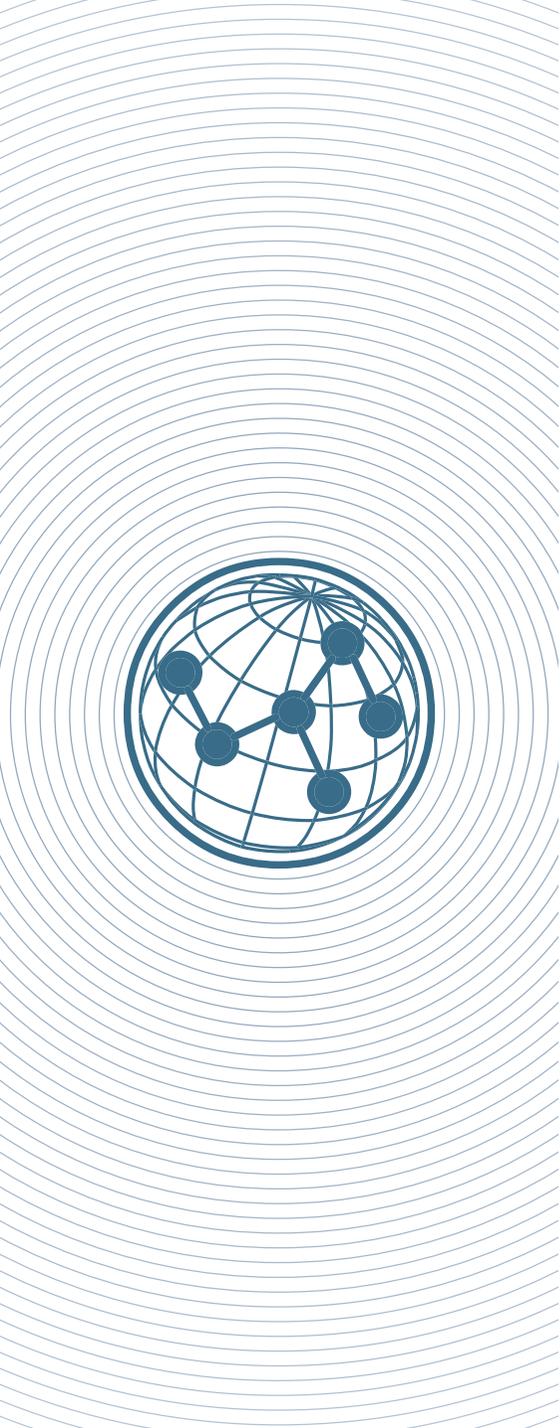
Security of Biological Materials Laboratory Analysis
 Medical Waste Tanker Explosion
 Drinking Water Contamination Security of Chemical Materials
 Laboratory Safety
 Pesticides Organized Crime
 Chemical Waste Security of Radioactive Materials
 Radioactive Waste Chemical Attack
 Strategic Trade Control Biological Attack
 Dirty Bomb Transportation of CBRN Materials Biological Waste
 Humans - Animals - Plants
 Infectious Diseases Industrial Accidents Theft of Radioactive Sources
 Legal Framework Lost Radioactive Source
 Port Security Agro-terrorism
 Drone Attack Contaminated Scrap Metal Port Explosion Terrorism
 AfCFTA Natural Disaster
 Theft of Biological Materials River Pollution
 Food Contamination
 Border Detection
 CBRN Disinformation



CBRN RISK MITIGATION IN WHAT CONTEXT DO WE WORK?

- There is a diverse spectrum of chemical, biological, radiological and nuclear (CBRN) risks and incidents
- Government bodies are each only mandated for a (small) part of the spectrum
- CBRN risks cannot be addressed in isolation (neither institutionally nor geographically)
- In recognition of the cross-border implications of CBRN risks, governments have signed up to regional and international agreements with obligations to meet
- Resources are limited...

... how to manage, prepare and coordinate in such a context?



EUROPEAN UNION CBRN RISK MITIGATION

CENTRES OF EXCELLENCE INITIATIVE (EU CBRN CoE)

EU-funded initiative to mitigate the risks related to CBRN materials. Launched in 2010 and jointly implemented by the European Union and the United Nations Interregional Crime and Justice Research Institute (UNICRI).

Creates a framework for coordination and cooperation at the national, regional and international level to enhance CBRN policies and capabilities. The EU funds projects that address common regional priorities.

All-hazards approach (safety *and* security):

- **criminal** (e.g. theft, sabotage, illicit trafficking and terrorism)
- **accidental** (e.g. industrial / laboratory accidents, waste management, transport incidents)
- **natural** (e.g. infectious disease outbreaks, CBRN releases caused by natural hazards)

8 REGIONAL SECRETARIATS



South East and Eastern Europe

- Albania
- Armenia
- Azerbaijan
- Bosnia and Herzegovina
- Georgia
- Moldova
- Montenegro
- North Macedonia
- Serbia
- Ukraine

Middle East

- Iraq
- Jordan
- Lebanon

Central Asia

- Afghanistan
- Kazakhstan
- Kyrgyzstan
- Pakistan
- Mongolia
- Tajikistan
- Uzbekistan

Southeast Asia

- Brunei Darussalam
- Cambodia
- Indonesia
- Lao PDR
- Malaysia
- Myanmar
- Philippines
- Singapore
- Thailand
- Viet Nam

African Atlantic Façade

- Benin
- Cameroon
- Côte d'Ivoire
- Gabon
- Liberia
- Mauritania
- Morocco
- Senegal
- Sierra Leone
- Togo

North Africa and Sahel

- Algeria
- Burkina Faso
- Libya
- Mali
- Morocco
- Niger
- Nigeria
- Tunisia

Gulf Cooperation Council

- Bahrain
- Kuwait
- Oman
- Qatar
- Saudi Arabia
- UAE

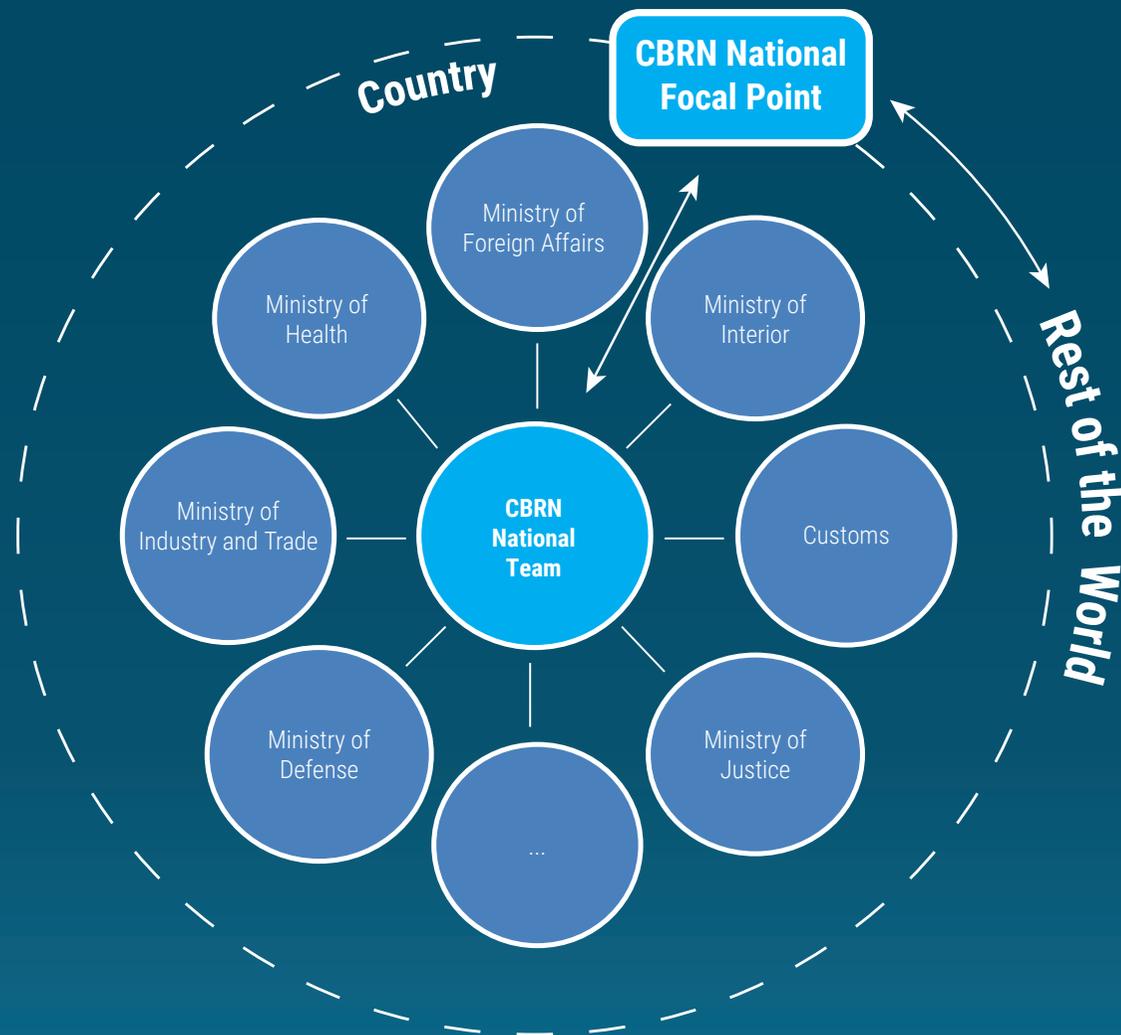
Eastern and Central Africa

- Burundi
- DRC
- Ethiopia
- Ghana
- Kenya
- Malawi
- Rwanda
- Seychelles
- Tanzania
- Uganda
- Zambia





64 PARTNER COUNTRIES



THE EU CBRN CoE APPROACH

1

Establish a CBRN National Team

- Partner Countries appoint a focal point and establish an inter-agency CBRN National Team comprised of representatives from all government bodies addressing CBRN risks

2

Draft a CBRN National Action Plan (NAP)

- Partner Countries produce an action plan identifying national priorities for capacity building

3

Develop (regional) project proposals

- Partner Countries develop regional projects that are designed to address common regional needs. National projects are also developed, based on the CBRN National Action Plan

4

Share experiences in the region and beyond

- Partner Countries share experience and engage with regional and international partners

EU CBRN CoE Regional Secretariats

STRUCTURE

- Head of Secretariat
- Deputy Head of Secretariat
- Regional Coordinator
- CBRN On-Site Technical Assistance Expert
- EU Programme Manager



OBJECTIVES

1

Support the establishment and institutionalisation of inter-agency CBRN National Teams.

2

Support Partner Countries in the development of CBRN National Action Plans.

3

Facilitate exchange of experience between CBRN CoE Partner Countries.

4

Support the definition of regional projects and national activities funded through CBRN CoE.

5

Enhance ownership by Partner Countries in the region.

6

Engage and coordinate with regional organisations to develop long-term collaboration.

7

Reach out to and coordinate with international organisations and donors.



LESSONS LEARNT / SUCCESS FACTORS



- The human factor in the network makes all the difference – invest in focal points and key national experts and find ‘champions’ to mobilise support



- Developing an action plan is beneficial – first to get stakeholder buy-in and then for internal resource allocation and to engage outside partners



- Awareness-raising amongst different target groups is essential – to get support from (and for) decision-makers, implementers, beneficiaries



- Promote learning and experience-sharing between peers – bring countries together to share how they overcame challenges or had successes



EU CBRN Centres of Excellence

European Commission Foreign Policy Instrument (FPI)

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Regional Secretariats

Africa

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Eastern and Central Africa (ECA)
North Africa and Sahel (NAS)
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