



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
Prevent and Solve
COUNTER TERRORISM 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
A powerful explosion at a chemical plant in Uzbekistan killed six people and injured dozens more on Friday (Dec. 22, 2023). The blast occurred at the JSC "Fosfor" plant in the city of Fergana. Initial reports suggested the blast was caused by a gas leak, but the exact cause remains under investigation. The plant produces various chemical products, and the incident has raised concerns about safety protocols in industrial facilities in the region.

Médicaments de mauvaise qualité en RDC: des conséquences préoccupantes

La Commission nationale de régulation des médicaments (CNR) de la République démocratique du Congo (RDC) a annoncé que des médicaments de mauvaise qualité ont été retrouvés dans des pharmacies à Kinshasa. Cette situation est préoccupante car elle met en danger la santé des patients. La CNR a lancé une enquête pour identifier les responsables et a demandé aux pharmacies de renforcer leurs contrôles de qualité.

North Korean leader's half brother: Malaysian police

Malaysian police have identified a man as the half brother of North Korean leader Kim Jong-il. The man, identified as Kim Jong-nam, was found dead in a hotel in Malaysia. His death has caused significant international concern and speculation about the safety of the North Korean leadership.

Armenia to strengthen chemicals and waste management

Armenia is planning to strengthen its chemicals and waste management systems. The government has announced a new initiative to improve the handling and disposal of hazardous materials, aiming to reduce environmental risks and protect public health. This effort is part of a broader strategy to enhance environmental protection in the country.



16 killed in Pakistan chemical factory fire

A major fire at a chemical factory in Pakistan killed 16 people and injured many others. The fire broke out in the early hours of the morning and quickly spread across the facility. Emergency services are working to contain the fire and recover the bodies of the victims. The incident has raised concerns about safety standards in industrial facilities in the country.

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

A ransomware attack on a South African port is linked to the 'Death Kitty' group. The attack disrupted port operations and caused significant economic damage. Cybersecurity experts are working to trace the attack and prevent further incidents. The 'Death Kitty' group is known for its aggressive ransomware campaigns.

Georgia reports 11,235 new cases of coronavirus

Georgia has reported 11,235 new cases of coronavirus. The total number of cases in the country has risen significantly, and health authorities are monitoring the situation closely. They are implementing measures to control the spread of the virus, including mask-wearing and social distancing.

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

Eight Serbian miners died from gas poisoning in a mine in the country's south on Friday. The tragedy occurred while the miners were working on a new section of the mine. The cause of the gas leak is still under investigation. The incident has led to a review of safety protocols in the mining industry.



Malawi floods threaten animals and communities with disease

Heavy rains in Malawi have caused flooding, threatening animals and communities with disease. The floodwaters have contaminated water sources and destroyed crops, leading to food shortages and health risks. Authorities are providing medical treatment to affected animals and communities to prevent the spread of disease.

Why fish are dying in Lake Victoria

Scientists are investigating why fish are dying in Lake Victoria. The deaths are linked to pollution and changes in the lake's ecosystem. Researchers are studying the water quality and the health of the fish to identify the causes of the deaths. They are also implementing measures to reduce pollution and protect the lake's biodiversity.

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

The World Health Organization (WHO) is urging countries to make contingency plans for possible chemical assaults in Ukraine. The organization is concerned about the potential use of chemical weapons in the conflict and is providing guidance on how to respond to such threats. It is also working to monitor the situation and provide support to affected populations.

Serbian city declares emergency after ammonia leak

A Serbian city has declared an emergency after an ammonia leak. The leak occurred at a facility near the city, and the ammonia gas spread into the surrounding area. Emergency services are working to contain the leak and evacuate people from the affected area. The city has implemented strict measures to ensure the safety of its residents.



Kenyan authorities foil major bio-terror attack

Kenyan authorities have foiled a major bio-terror attack. The attack was planned by a group of extremists who wanted to use a large-scale anthrax attack to kill innocent Kenyans. The authorities discovered the plot and took action to prevent it. They are now working to identify and prosecute the individuals involved in the attack.

Sustainability driving GCC waste management market

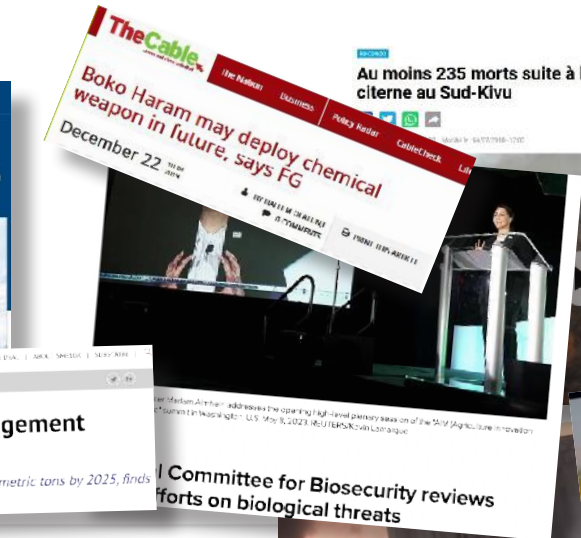
Sustainability is driving the GCC waste management market. As governments and businesses in the Gulf Cooperation Council (GCC) region focus on reducing their carbon footprint and improving environmental performance, the demand for sustainable waste management solutions is increasing. This is leading to significant investments in new technologies and infrastructure for waste management.

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Boko Haram may deploy chemical weapon in future, says FG

The Nigerian government has warned that Boko Haram may deploy a chemical weapon in the future. The group has a history of using various weapons, and the use of a chemical weapon would be a significant escalation. The government is taking steps to prepare for such a possibility and is working to strengthen its security forces.

Committee for Biosecurity reviews efforts on biological threats

A committee for biosecurity is reviewing efforts to address biological threats. The committee is focused on identifying potential risks and developing strategies to prevent and respond to biological threats. This includes monitoring for emerging diseases, improving laboratory safety, and enhancing international cooperation on biosecurity issues.

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

Libya has lost and then found 2.5 tonnes of uranium, raising concerns about nuclear safety. The loss of such a large amount of nuclear material is a serious security risk and could have global implications. The incident has led to a review of nuclear security protocols in Libya and internationally.

Montenegro Further Safety with the EU

Montenegro is furthering its safety measures in line with EU standards. The country is implementing various initiatives to improve its safety and security, including enhancing border control, improving emergency response capabilities, and strengthening its legal framework for safety and security.



explosion d'un camion

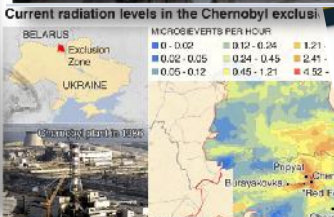


A crane dropped a tank filled with about 25 tonnes of chlorine...

Chlorine gas explosion at Jordan's Aqaba port kills at least 17 people

Company Sustainability Investors

er Aligns Chemical



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
Cyber Security
Transportation of CBRN Materials
Humans - Animals - Plants
Infectious Diseases
Port Security
Legal Framework
Port Explosion
AfCFTA
Natural Disaster
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?

A stylized globe with a grid of latitude and longitude lines. Overlaid on the globe is a network of dark blue nodes connected by lines, representing a global network or communication system. The globe is centered on the left side of the slide, surrounded by concentric circles.

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

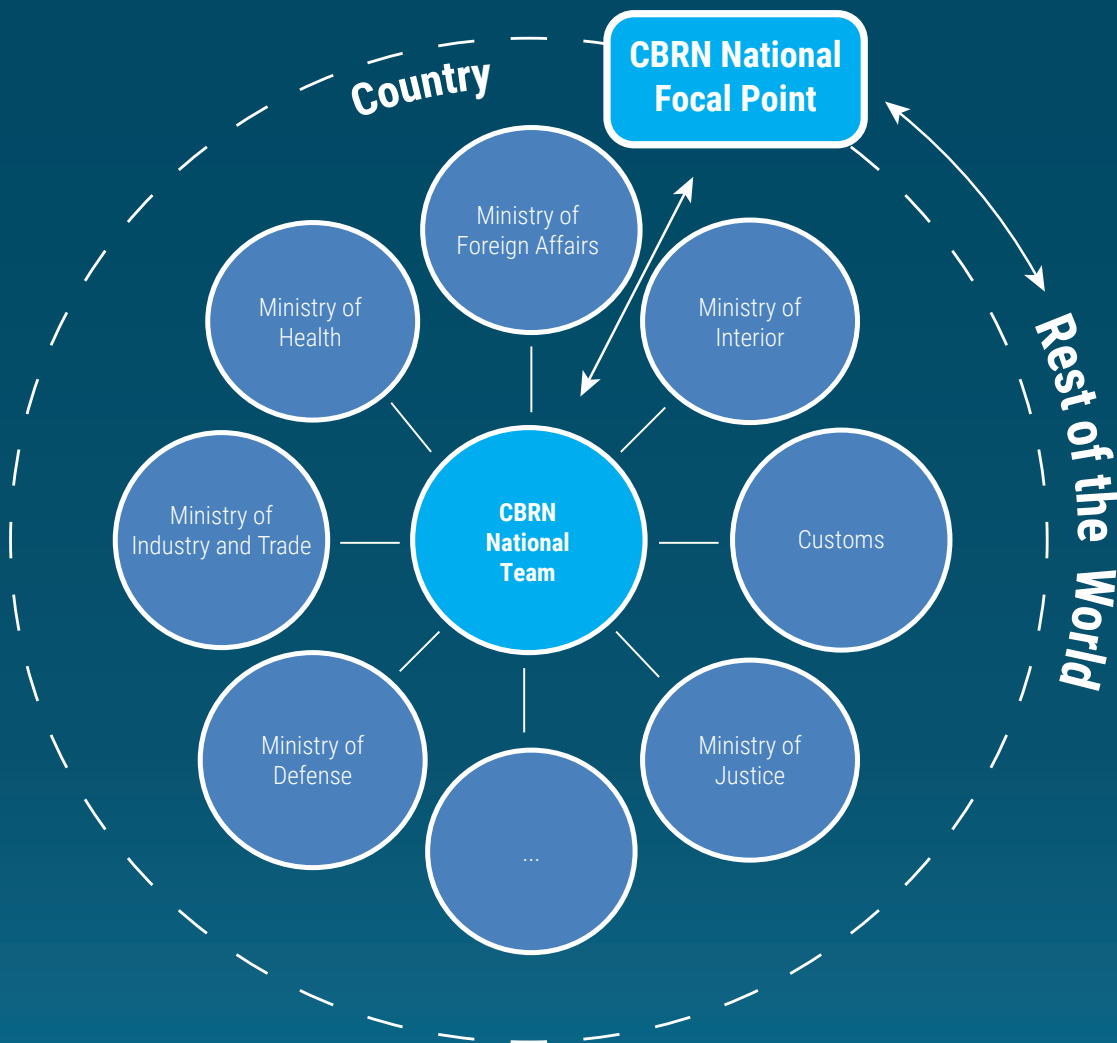
- Bahrain
- Kuwait
- Oman
- Qatar
- Saudi Arabia
- UAE

Eastern and Central Africa

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



64 PARTNER COUNTRIES



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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