



# ICCASS NEWSLETTER

1/2023

*Working together to enhance global chem-bio and environmental security and cybersecurity*

**G7 Global Partnership Working Group and  
Conference on Biosecurity Challenges**  
Berlin, 5-7 October 2022



# 10

**active years  
of ICCASS at G7  
Global Partnership**





**The Global Partnership Against the Spread of Weapons and Materials of Mass Destruction (the Global Partnership), [www.gpwmd.com](http://www.gpwmd.com), is a G7-led, 31-member international initiative aimed at preventing the proliferation of chemical, biological, radiological, and nuclear (CBRN) weapons and related materials.**

International Centre for Chemical Safety and Security (ICCSS), [www.iccss.eu](http://www.iccss.eu), commemorates in 2023 10th Anniversary of its participation in the Global Partnership. Since its first meetings, the ICCSS assisted G7 Global Partnership with vision and projects to expand chem-bio and environmental security worldwide. ICCSS represents at G7GP its partners from local communities, governments, international organizations, business and private industries, academia, and civil society.

ICCSS, as a non-profit foundation, established in 2012, promotes efforts that are free from political considerations, that are multi-stakeholder and multi-discipline, and that are based on science.

#### **ICCSS priorities for Global Partnership in 2023:**

1. To increase support to Ukraine, to mitigate and reduce CBRN and cybersecurity threats
2. To engage CBRN community to tackle climate change;

3. To promote CBRN threat reduction, public health and civil protection beyond borders in Africa, Eastern Europe and the Middle East.

4. Present its achievements in last 10 years and activities, projects and partnerships, as a global leader in chemical and environmental safety and security and cybersecurity in civil protection.

5. Demonstrate and seek more assistance and co-operation with Ukraine to reduce the dire consequences of Russia military aggression. ICCSS and its international and Ukraine partners will present new project proposals to assist Ukraine people and local communities to enhance public security, reduce CBRN threats, and introduce robust protection against cyber threats.

6. Deliver a series of presentations and conduct discussions to promote global community on chemical and environmental safety and security and cybersecurity in civil protection.

7. Present achievements and further proposals to enhance regional chem-bio safety and security. These include:

**- the development of Middle East Chemical Safety and Security program**, including the inauguration of Regional Centre for Chemical Safety and



Security (ChemReg) in Amman, funded by France within G7GP, and

**- conduct od series of exercises in Eastern Europe** (emphasis on Moldova and Ukraine), within EU-CHEM-REACT program, funded by the EU, to enhance preparedness and response against CBRN threats.

8. Offer the national authorities and international organisations to enhance their resilience against cyber threats, based on the unique program on cybersecurity and reliability for energy and chemical sectors, developed by ICCSS and Ukraine partners.

### **ICCSS 10 years of active engagement to enhance Global Partnership objectives in reducing CBRN threats through multi-stakeholder and multi-discipline participation.**

The International Center for Chemical Safety and Security (ICCSS) became one of the first beneficiaries of expanded participation in the work of GP, which enable international organisations, civil society and relevant industries to participate in its work. Through its multi-stakeholder and multi-discipline approach, ICCSS has brought together various actors to work towards a common goal of safeguarding the world against the devastating effects of CBRN threats.

One of ICCSS's key achievements in the past decade has been its regional engagement to enhance chem-bio safety and security in Eastern Africa, Eastern Europe and the Middle East. These regions are particularly vulnerable to CBRN threats due to their proximity to conflict zones and the presence of high-risk facilities. ICCSS has worked with regional partners to build capacity in CBRN risk management, emergency response planning, and training of first responders.

In 2015-2016 ICCSS has successful coordinated the implementation of chemical safety and security program in Kenya, funded by Norway. This ICCSS led program in Kenya became a template program within Global Partnership to introduce national and regional activities to enhance chemical safety and security.

Based on the Kenyan program lessons learned the ICCSS has developed and coordinated the develop-



ment and implementation – within Global Partnership funding by US - in 2017-2018, Jordan program on chemical safety and security.

This program implementation led to the development of the Middle East Chemical Safety and Security program which succeeded in the opening of Regional Centre for Chemical Safety and Security (ChemReg) in Amman, thanks to the financial donation by France within Global Partnership.

In 2015, in cooperation with the Organisation for Security Cooperation in Europe (OSCE), ICCSS has developed Ukraine program on chemical safety and security and UNSCR 1540 implementation. This program, funded jointly by EU and US, was successfully implemented in 2016-2017. The Ukraine program followed by the development and implementation of EU-CHEM-REACT program for Eastern Europe, on series of exercises for Moldova and Ukraine to reduce CBRN threats.

ICCSS has become a global leader in chem-bio safety and security and cybersecurity, providing technical assistance and expertise to partners worldwide. Its work has been instrumental in enhancing global preparedness and response to chemical incidents, including those resulting from terrorist attacks or industrial accidents.

ICCSS's success is built on its ability to engage a wide range of stakeholders, including governments, international organizations, academia, industry, and civil society. In addition, ICCSS is committed to working with industry in a collaborative and constructive manner to ensure that the private sector is engaged in efforts to reduce CBRN risks. Through its multi-stakeholder approach, the ICCSS promotes a constructive dialogue between industry, governments, and civil society, and fostered partnerships that developed innovative tools and methodologies for chemical safety and security and cybersecurity.

With its regional engagement in Africa, Eastern Europe and the Middle East and its leadership in chem-bio safety and security and cybersecurity, ICCSS is well-positioned to continue making a significant impact in the years to come.



### Help Ukraine - ICCSS efforts to enhance Ukraine local civil protection and chemical and ecological security and cybersecurity

We remain shocked by the atrocities and damage done by Russian invaders during military aggression against Ukraine. Today there is great need to assist Ukraine society to rebuild their country and restore destroyed infrastructure and core services. Ukraine civil protection services and fire service will again

play a leading role in restoring at local level basic infrastructure and core services. They need help in material resources and equipment, enhance human capacities, including advise and trainings.

ICCSS, being present in Ukraine since 2015 and working closely with central and local governments and stakeholders, did not stop but **EXPANDED** co-operation with Ukraine immediately after Russia military aggression began. ICCSS has coordinated delivery of humanitarian assistance and technical equipment, accepted at its premises the Ukraine refugees, and organized a series of meetings both in Poland and in Ukraine for international partners to provide assistance. ICCSS has coordinated a number of EU activities in physical setting in Ukraine, including Table Top Exercise to respond to attacks against critical infrastructure. These ICCSS activities supported Ukraine European integration efforts. They assisted Ukraine to align with European Union Civil Protection Mechanism.

ICCSS President received Ukraine awards during his recent visit to Ukraine as a recognition of his work to develop local responses to chemical, biological, radiological, and nuclear (CBRN) threats. These ICCSS activities supported Ukraine European integration efforts. They assisted Ukraine to align with European Union Civil Protection Mechanism (UCPM).

ICCSS, in cooperation with the Ukraine and international partners submitted under G7GP Japanene Presidency 2 project proposals to assist Ukraine and its local constituencies to mitigate consequences of Russia military aggression. These projects were developed based on the long standing and effective cooperation of the ICCSS with Ukraine partners to enhance CBRN security and cyber security in Ukraine and internationally:

#### 1. Development of local responses on CBRN related threats.

This 1 million USD project will develop - over 2 years - local responses to chemical, biological, radiological, and nuclear (CBRN) related threats by enhancing the capacity of relevant stakeholders to prepare, prevent, and respond to such threats.

The project will be implemented through four main components: capacity building, equipment and infrastructure development, risk assessments and contingency planning, and public awareness and





education. The primary activities of the project include developing and delivering training programs, workshops, and seminars for relevant stakeholders, procuring and distributing necessary equipment and infrastructure, conducting risk assessments and developing contingency plans, and developing and implementing public awareness and education campaigns.

The expected outcomes of the project include enhancing the capacity of relevant stakeholders to respond to CBRN related threats, improving the infrastructure and equipment for responding to such threats, developing contingency plans and risk assessments, and increasing public awareness and education on CBRN related threats. The program makes a special emphasis on the engagement and empowerment of civil society, women and youth to participate in self-government and local security activities.

## **2.Raising Cybersecurity Awareness, Responsibility and Competence among Users in Energy and CBRN critical infrastructure in Ukraine through Cyber Fortress Simulation trainings and exercises.**

This 400 000 USD project will assist to protect, strengthen and develop information protection and cybersecurity preparedness and response in the Ukraine energy and CBRN related infrastructure in Ukraine heavily attacked during Russia aggression against Ukraine. This will be achieved through a de-

velopment and conduct of Cyber Fortress simulation games in Ukraine, and conduct a series of trainings and exercises for Ukraine staff responsible to implement security systems for the information and communication technology (ICT) and operational technologies (OT) environment protection and responding to randomly selected or pre-determined cyber attacks. The project will train personnel of the teams to be responsible for information protection and ensuring the cybersecurity of critical infrastructure and key services in Ukraine through the development and conduct of Ukraine Cyber Fortress League. Through this project Ukraine relevant entities and participants will join the international training and exercise activities and learning efforts in cybersecurity and information protection.

## **ICCSS actively enhances CBRN community to tackle climate change.**

While ICCSS's primary focus remains on addressing CBRN and cyber threats, the organization has increasingly recognized the importance of tackling climate change as an essential component of its work.

Climate change poses significant risks to chem-bio safety and security, as extreme weather events, rising sea levels, and other impacts can affect the storage, transport, and use of hazardous chemicals. Climate change can also exacerbate social and economic inequalities, which can in turn increase the risk of CBRN incidents.





ICCSS is working to promote the integration of climate considerations into chemical safety and security policies and practices. ICCSS is developing tools and resources to help governments and other stakeholders identify and address the climate-related risks associated with hazardous chemicals. ICCSS has worked with a range of stakeholders to develop and implement strategies to enhance the resilience of chemical facilities and infrastructure to the impacts of climate change.

ICCSS participates as observer in the work of UNEP, where it promotes sustainable development as essential element to reduce CBRN threats and protecting human health and the environment.

The ICCSS's efforts to tackle climate change reflect its commitment to promoting a comprehensive and integrated approach to chem-bio safety and security and environmental protection. By addressing the interrelated challenges of CBRN threats and climate change, ICCSS is working to promote a safer, more secure, and sustainable future for all.

**ICCSS - gateway to Africa, Eastern Europe and Middle East to reduce CBRN threats and enhance public security and civil protection through concrete activities in chem-bio safety and security and cybersecurity and tackling climate change.**

ICCSS has developed and built over the years a global process chemical and environmental safety and

security and cybersecurity and offers best practices, capacity building and cooperation between professionals. ICCSS offers unique approach to civil protection by identifying, operationalizing and internationalizing civil protection standards and regulatory measures, best practices, and new tools and technologies. While developing and conducting program activities ICCSS devotes special efforts and attention to address chemical security problems from regional perspective. The regional approach allows to be flexible in engagement and to promote civil protection and chemical safety and security to be adjusted to different cultures, different perceptions of security, and the various priorities of nations in the region concerned.

The ICCSS led and implemented projects in Africa, Middle East and Eastern Europe assisted to improve national regulatory basis and introduce modern scheme trainings and exercises, to improve civil protection and enhance national CBRN threat reduction. In these projects implementation ICCSS has successfully developed networks of local communities, governments, international organizations, industries, academia, and civil society.

ICCSS – **as gateway and hub** - invites the international partners from business, private industries, academia and local communities, to join efforts to enhance public safety and security, reducing CBRN threats, and develop civil protection at local and national levels.

**We invite:**

- Governments, National Authorities, national regulatory bodies and law enforcement;
- National and international organizations with responsibilities in emergency response and incident consequence management, CBRN security and civil protection, promoting chemical safety, international health regulations and incident consequence management, chemical safety, protection of environment, food and animal safety and security,
- chemical industry, its trade associations,
- academic institutions, research centers and laboratories,
- private companies producing state-of-the-art technologies to improve chemical safety and security and civil protection,
- independent experts in CBRN security.

**CBRN and Civil protection beyond borders**

In such a complex and ever-changing risks, what COVID19 pandemic and Russia military aggression against Ukraine demonstrated, more effective prevention and preparedness, more cooperation and improved coordination are needed among a wide range of stakeholders across countries and organizations.

Africa, Eastern Europe and the Middle East are regions where there are growing needs in civil protection improvement and better CBRN threat reduction. This further requires an increase of an international cooperation and European Union engagement. This further requires elevating civil protection from narrow activity among experts towards core element of public security and leading element of international cooperation. This further requires provision of state of art technologies, services and procedures.

These needs were addressed in a series of ICCSS led projects, funded by the European Union in 2015-

2022, in Africa, Eastern Europe and the Middle East. These projects successfully implemented vision for civil protection beyond borders. This vision is based on 3 core elements:

1. Development and use of Union Civil Protection Mechanism (UCPM) and Knowledge Network, and European Union tools, outside the EU, with an emphasis on transborder cooperation, and engagement of growing capacities of European Neighborhood countries;
2. An active development and participation of volunteer fire services as a core element of national civil protection, UCPM implementation, and – in general – European integration efforts;
3. Need for multi-stakeholder approach and close cooperation between local communities, governments, and business, private industries, and academia, in the development and provision of state of art technologies, services and operational procedures.

There are great need to continue the development of civil protection CBRN threat reduction in Africa, Eastern Europe and the Middle East through the development of national regulatory frameworks and robust cybersecurity. We invite Global Partnership to support ICCSS efforts to enhance public safety and security, reducing CBRN threats, and develop civil protection at local and national levels.



**For more information please visit our website: [www.iccss.eu](http://www.iccss.eu) and follow us and/or contact:**

**Amb. Krzysztof Paturej** – ICCSS President at [k.paturej@iccss.eu](mailto:k.paturej@iccss.eu), for policy cooperation opportunities and new project proposals

**Mrs. Dorota Czerw** – ICCSS Project manager at [d.czerw@iccss.eu](mailto:d.czerw@iccss.eu), for new project proposals

**Mr. Adam Paturej** – ICCSS Business Director at [a.paturej@iccss.eu](mailto:a.paturej@iccss.eu), for business cooperation opportunities and participation in ICCSS cybersecurity program.

**Mr. Pawel Ostrek** – ICCSS Media Director - at [p.ostrek@iccss.eu](mailto:p.ostrek@iccss.eu), for media and PR related issues.





## INTERNATIONAL CENTRE FOR CHEMICAL SAFETY AND SECURITY (ICCSSL)

[www.iccss.eu](http://www.iccss.eu) [twitter.com/iccss\\_eu](https://twitter.com/iccss_eu)

### BACKGROUND INFORMATION

International Centre for Chemical Safety and Security (ICCSSL) is independent, non-profit foundation, registered in Warsaw, Poland.

- **ICCSSL functions** as an international leader who integrates chemical and environmental safety and security, civil protection and cybersecurity.
- **ICCSSL provides** industry-oriented, science-based, non-political and multi-stakeholder approaches.
- **ICCSSL brings together** governments, chemical industries, academia and civil society.
- **ICCSSL operates ICCSSL Global Team**, an international network of recognized experts who provide world class expertise on chemical safety and security and cybersecurity in all areas of chemical and environmental activities.

### ICCSSL MISSION

The ICCSSL is an international leader in the development, operationalization and internationalization of chemical and environmental safety and security and cybersecurity, solutions, best practices and capacity building. While addressing governments, chemical industries, academia and NGO's, nationally and regionally, ICCSSL focuses its efforts on Africa, Eastern Europe and the Middle East.

The ICCSSL is a pioneer in integrating chemical and environmental safety and security, civil protection and cybersecurity to enhance public security and reduce CBRN threats, while implementing industry-oriented, science-based, non-political and multi-stakeholder approaches.



**For cooperation and support please contact:**

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