



Fifth Session
15 – 19 May 2023

RC-5/WP.14
12 May 2023
ENGLISH only

AUSTRALIA, BELGIUM, CANADA, CHILE, THE CZECH REPUBLIC, FINLAND, FRANCE, GERMANY, HUNGARY, IRELAND, ITALY, JAPAN, KAZAKHSTAN, MEXICO, THE NETHERLANDS, NEW ZEALAND, NORWAY, THE PHILIPPINES, POLAND, PORTUGAL, THE REPUBLIC OF KOREA, SPAIN, SWEDEN, SWITZERLAND, THE UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND, THE UNITED STATES OF AMERICA, AND THE EUROPEAN UNION

**INTERNATIONAL ACTIVITIES OF GLOBAL PARTNERSHIP MEMBER COUNTRIES RELATED TO THE CHEMICAL WEAPONS CONVENTION
2018 – 2023**

The member countries of the Global Partnership Against the Spread of Weapons and Materials of Mass Destruction¹ (hereinafter “the Global Partnership”) are committed to implementing concrete projects around the world to combat terrorism and proliferation related to weapons of mass destruction (WMD). Global Partnership members have identified strengthening chemical security as a key priority for their collective programming efforts, and therefore pursue activities that aim to:

- (a) support chemical weapons destruction;
- (b) prevent and respond to chemical weapons use;
- (c) strengthen and support the OPCW;
- (d) support and enhance chemical non-proliferation instruments, institutions, and practices;
- (e) foster collaboration on national, regional, and global security initiatives aimed at preventing and/or responding to the misuse of chemicals;
- (f) enhance the security of chemicals; and
- (g) promote a chemical security culture globally.

In developing and delivering chemical programming with partner countries, Global Partnership members place great importance on cooperation and assistance in support of the Chemical Weapons Convention (hereinafter “the Convention”), including Article X under which “each State Party undertakes to facilitate, and shall have the right to participate in, the fullest possible

¹ Australia, Belgium, Canada, Chile, the Czech Republic, Denmark, Finland, France, Georgia, Germany, Hungary, Ireland, Italy, Japan, Jordan, Kazakhstan, Mexico, the Netherlands, New Zealand, Norway, the Philippines, Poland, Portugal, the Republic of Korea, Spain, Sweden, Switzerland, Ukraine, the United Kingdom of Great Britain and Northern Ireland, the United States of America, and the European Union.



exchange of equipment, material and scientific and technological information concerning means of protection against chemical weapons”. Global Partnership members estimate that international cooperation and collaboration delivered through Global Partnership contribute significantly to strengthening the Convention and to mitigating global chemical weapons threats.

In support of the Fifth Review Conference,² the Global Partnership has prepared this compendium of chemical weapons threat reduction projects implemented and/or funded by its members since the last Review Conference (2018 – 2023). The working paper includes a total of 103 projects implemented or funded by 27 Global Partnership partners. These projects are valued at more than EUR 271 million (USD 282 million) and were implemented in dozens of countries in every region of the world.

I. AFRICA

Project Title	International Working Group to Develop Law Enforcement Risk Mitigation Guidance for Physical Security of Chemical Facilities
Partner Country/Region	Algeria, Kenya, Morocco, Senegal, South Africa, Tunisia
Implementing Country	United States Department of State, Office of Weapons of Mass Destruction Terrorism (ISN/WMDT)
Collaborating Institution(s) Partner(s)	Sandia National Laboratories
Project Value	US\$900,000
Duration	2021-2023
Description	WMDT, in collaboration with Sandia National Laboratories, will host an international working group of law enforcement personnel and practitioners from along the chemical supply chain including chemical manufacturers, transporters, warehouse and other stakeholders to develop a collection of best practices and solutions for chemical security systems, with a focus on physical security measures, hazard communication, and collaboration with law enforcement.
Gender Equality	WMDT encourages and supports diversity in all our efforts. Participation of women, minorities, and other underrepresented groups is strongly encouraged based on the belief that collaboration is more robust when people with different backgrounds, perspectives, and experiences have the opportunity to contribute. As such, WMDT seeks to achieve a gender balance in this course by encouraging partner departments and agencies to nominate both male and female candidates to participate.

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Review Conference = Special Session of the Conference of the States Parties to Review the Operation of the Chemical Weapons Convention.

Project Title	Chemical Transportation Security Workshop Series
Partner Country/Region	Algeria, Morocco
Implementing Country	United States Department of State, Office of Weapons of Mass Destruction Terrorism (ISN/WMDT)
Collaborating Institution(s) Partner(s) /	Sandia National Laboratories
Project Value	US\$900,000
Duration	2021-2023
Description	Virtual and in-person training and consultations on secure transport of chemicals of concern.
Gender Equality	WMDT encourages and supports diversity in all our efforts. Participation of women, minorities, and other underrepresented groups is strongly encouraged based on the belief that collaboration is more robust when people with different backgrounds, perspectives, and experiences have the opportunity to contribute. As such, WMDT seeks to achieve a gender balance in this course by encouraging partner departments and agencies to nominate both male and female candidates to participate.

Project Title	Chemical Risk Identification and Mitigation Program (CRIMP)
Partner Country/Region	Algeria, Morocco, Tunisia
Implementing Country	United States, Department of Defense (DOD), Defense Threat Reduction Agency (DTRA), Chemical Weapons Destruction (CWD) Program
Collaborating Institution(s) Partner(s) /	INTERPOL
Project Value	US\$3,200,000
Duration	2018-2022
Description	CRIMP will develop the capacity of Algeria, Morocco, and Tunisia to identify the risk posed by the availability of weaponizable chemicals and their precursors within specific geographic areas so as to prevent access and use by non-state actors. Building upon INTERPOL's network within its 190 member countries, CRIMP brings together law enforcement agencies involved in counterterrorism activities / infrastructure protection and key stakeholders within national / regional chemical industry in order to identify chemicals of particular risk of diversion through a multi-agency chemical risk and threat assessment process, and subsequently facilitates targeted law-enforcement chemical countermeasures activities designed to detect, deter and disrupt non-state actor access to the highest risk chemicals.

Project Title	Article X Assistance and Protection Course on Deterrence and Prevention on the use of Chemical Weapons and Toxic Industrial Chemicals from a Law Enforcement perspective
Partner Country/Region	Côte d'Ivoire, Ghana, Nigeria, and Senegal
Implementing Country	European Union, Italy
Collaborating Institution(s) / Partner(s)	OPCW / Italian National Authority for the implementation of the CWC
Project Value	10.000 Euro
Duration	2021 - 2022
Description	<p>The course funded by the European Union has been designed and conducted by the Italian National Authority for the implementation of the CWC in favor of West African States (ECOWAS).</p> <p>The training provided the participants with basic knowledge and awareness concerning site exploitation after the release of chemical agents, in a counter terrorism setting.</p> <p>The attendees learned how to approach and collect different types of samples that could be found at the scene of a chemical incident as well as how to photograph evidence, gather information necessary for a scientific scene assessment and connect the findings. In addition, the course covered basic principles of the chain of custody, reporting and cataloguing procedures in accordance with international standards.</p>

Project Title	Assistance & Protection against chemical weapon attack under Article X of the CWC
Partner Country/Region	CWC SP in the East Africa Community Region (EAC), Economic Community of West African States (ECOWAS), South African Development Community (SADC) and Caribbean Region
Funding Country	United Kingdom
Collaborating Institution(s) / Partner(s)	The OPCW Technical Secretariat; Czech Republic, Switzerland and individual States Parties and regional authorities
Project Value	£100,000 (in excess of £500,000 since inception in 2011)
Duration	Current and ongoing since 2011
Description	<p>The UK has worked closely with the OPCW Technical Secretariat for many years to build capacity in CWC SP to respond in the event of use or threat of use of chemical weapons or the misuse of toxic industrial chemicals. This has included training on assistance and co-ordination of emergency multi-agency response, risk and response planning and the development of formal and informal regional response networks and plans. We also run table-top exercises to train effective response. In EAC Region we are working with the Czech Republic, who are providing chemical protection training; we are supporting this with equipment and specialist evaluation of activities. In ECOWAS region we are working with Switzerland, who are providing chemical protection training. For 2020/21 we are also supporting similar risk & response assessment work in the SADC region. We have been actively</p>

	<p>supporting the Caribbean region since 2007 and are currently working on risk/response planning with SP.</p> <p>Activities have been severely reduced during UK FY 20/21 & 21/22 due to the COVID pandemic, as we have not been able to run regional training and exercises. In that time, we have assisted the OPCW TS in the development of the Online Self-Assessment Tool (OSAT), which helps SP remotely assess their own national risks and response capabilities. This has proved successful in testing and is being rolled out for SADC countries for Spring 22, with subsequent global use planned. The UK is providing essential expertise for the project.</p>
Gender Equality	The need for gender awareness is restated regularly by the OPCW TS during project meetings. This is new this year.

Project Title	Basic Course on Assistance and Protection for States Parties to the Chemical Weapons Convention (CWC) in the Economic Community of West African States (ECOWAS)
Partner Country/Region	States Parties to the CWC in the ECOWAS
Implementing Country	Swiss Federal Department of Defence, Civil Protection and Sport
Collaborating Institution(s) / Partner(s)	Technical Secretariat of the OPCW and United Kingdom
Project Value	45,000 CHF
Duration	13.08.2019- 17.08.2019
Description	The basic level training was held at the Kofi Annan International Peacekeeping Training Centre (KAIPTC), Accra, Ghana. It was conducted by instructors of the Swiss NBC-EOD Centre of Competence and attended by 39 participants of the Economic Community of West African States. The aim was to expand the emergency response and protection capabilities against chemical warfare agents of first responders.

Project Title	Secure WMD Material Information in the Chemical Industry from Terrorist Cyber Threats
Partner Country/Region	Kenya and regional Sub-Saharan Africa
Implementing Country	U.S. Department of State, Office of Weapons of Mass Destruction Terrorism (ISN/WMDT)
Collaborating Institution(s) / Partner(s)	Pacific Northwest National Laboratory (PNNL); Kenya Chemical Society
Project Value	US\$200,000
Duration	2020-2022
Description	This virtual training will provide Kenyan chemical industry representatives, government policymakers and IT experts a common operational picture of the cyber risks to the chemical industry as well as indicators of relevant cyber operations and practices to counter the cyber

	threat against the chemical sector. Participants will have 10 days to complete an independent learning module prior to a live, interactive discussion with PNNL workshop facilitators. The interactive discussion will explore focus questions posed throughout the independent study modules and will help participants analyze their institutions' cyber security postures. The discussions will ultimately guide participants to self-identify areas for improvement and to develop an action plan for addressing these security gaps at their home facilities.
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Project Title	Support to the OPCW for CW destruction efforts in Libya
Partner Country/Region	Libya
Implementing Country	Weapons Threat Reduction Program, Global Affairs Canada
Collaborating Institution(s) / Partner(s)	The Organisation for the Prohibition of Chemical Weapons
Project Value	C\$6,000,000
Duration	2012-2018
Description	This Project supported the Libyan chemical weapons destruction program in order to fulfil Libya's obligations under the Chemical Weapons Convention. Activities included the deployment of inspectors and verification inspections and provision of chemical weapons destruction and verification equipment and related training.

Project Title	Support to the OPCW for the Removal of CW Precursors from Libya
Partner Country/Region	Libya
Implementing Country	Weapons Threat Reduction Program, Global Affairs Canada
Collaborating Institution(s) / Partner(s)	The Organisation for the Prohibition of Chemical Weapons
Project Value	€500,000
Duration	2016-2019
Description	This project supported the activities of the Secretariat in relation to the removal and destruction of Libyan Category 2 chemical weapons. Activities included: the deployment of inspection teams for verification of destruction and the provision of verification equipment and technical experts.

Project Title	Understanding, Practicing, and Implementing Best Practices for the Collection of Chemical Warfare Agent (CWA) Contaminated Forensic Samples
Partner Country/Region	Nigeria
Implementing Country	United States Department of State, Office of Weapons of Mass Destruction Terrorism (ISN/WMDT)

Collaborating Institution(s) / Partner(s)	Lawrence Livermore National Laboratory
Project Value	US\$255,000
Duration	2022-2023
Description	This sampling training course will assist partner countries to develop sustainable procedures to safely recover samples after a chemical attack, and work in partnership with relevant agencies and forensic laboratories to recover sustainable evidence, identify the threat chemical(s), and bring offenders to justice.
Gender Equality	WMDT encourages and supports diversity in all our efforts. Participation of women, minorities, and other underrepresented groups is strongly encouraged based on the belief that collaboration is more robust when people with different backgrounds, perspectives, and experiences have the opportunity to contribute. As such, WMDT seeks to achieve a gender balance in this course by encouraging partner departments and agencies to nominate both male and female candidates to participate.

Project Title	Strengthening CW Investigations
Partner Country/Region	Nigeria and regional Sub-Saharan Africa
Implementing Country	U.S. Department of State, Office of Weapons of Mass Destruction Terrorism (ISN/WMDT)
Collaborating Institution(s) / Partner(s)	Pacific Northwest National Laboratory (PNNL)
Project Value	US\$400,000
Duration	Ongoing
Description	This project aims to strengthen law enforcement investigative capabilities to prevent terrorist acquisition of WMD materials and uncover and disrupt potential CBW attack plots. The implementer will conduct 5-day technical training for up to 40 law enforcement and security personnel each, promoting best practices for operational sample collection and security after a hostile use as well as best practices for preserving and hardening the evidentiary chain to enhance legitimacy of outcomes.

Project Title	CWC Online Self-Assessment Tool (OSAT) Workshop
Partner Country/Region	South Africa Development Community (SADC) CWC State Parties
Implementing Country	United Kingdom
Collaborating Institution(s) / Partner(s)	South Africa Department of Trade Industry and Competition.
Project Value	£40,000
In-Kind Contribution	A UK expert is the lead trainer and is playing a key role in the development of OSAT and follow up work with SP.
Duration	Workshop 3 days. OSAT work is long-term and ongoing and will be broadened to include other regions.

Description	This project will support training of 12 SADC region personnel in the use of the OPCW OSAT tool developed for on-line use with in-person follow up for SP. OSAT helps SP to assess their applicable chemical weapons related risks and planning response.
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II. ASIA

Project Title	Protecting Chemical Weapons Expertise
Partner Country/Region	Afghanistan
Implementing Country	United States Department of State, Bureau of International Security and Nonproliferation, Office of Cooperative Threat Reduction (ISN/CTR), Chemical Security Program
Collaborating Institution(s) / Partner(s)	Universities, research institutes and non-governmental organizations
Project Value	US\$3,000,000
Duration	Ongoing since 2020
Description	These efforts include ensuring the safety and protection of partners in vulnerable counties who could be exploited by non-state actor groups or the Taliban. CTR works with the United States Department of Energy to ensure key expertise is protected and doesn't fall into the hands of terrorists in Afghanistan.

Project Title	Seoul Workshop on the Peaceful Development and Use of Chemistry
Partner Country/Region	Asia
Implementing Country	Republic of Korea
Collaborating Institution(s) / Partner(s)	The OPCW Technical Secretariat
Project Value	Over €700,000 since its inception in 2012
Duration	Ongoing since 2012
Description	The workshop is a long-standing course on peaceful use of chemistry fully funded by the Republic of Korea. The course aims at supporting Asian Member States' capacities in chemical safety and security management. Each year, 20-30 attendees representing more than 10 OPCW Member States comprise individuals ranging from government officials responsible for chemical industry, professionals from chemical enterprises, to academics and chemists.

Project Title	Global Partnership: Building a Safer Southeast Asia by Preventing and Responding to the Use of Chemical Weapons by Terrorists and other Non-State Actors in Indonesia
Partner Country/Region	Indonesia (primary), Southeast Asia region (secondary); United Nations Office on Drugs and Crime (UNODC), United Nations Interregional Crime and Justice Research Institute (UNICRI)
Implementing Country	U.S. Department of State, Office of Nonproliferation and Disarmament Fund (ISN/NDF)
Collaborating Institution(s) / Partner(s)	Indonesian law enforcement and industry partners; UNODC Indonesia; UNICRI
Project Value	US\$1,800,000
Duration	Three years, beginning December 2021
Description	This project will support vulnerability assessments, targeted training, and other capacity building engagements to enhance the ability of Indonesian authorities to identify, detect, disrupt and respond to the acquisition, development and use of CW by Violent Extremist Organizations (VEOs), including Islamic State (ISIS) and Al-Qaeda aligned militant groups, and other non-state actors.
Gender Equality	N/A; to be promoted and assessed during the implementation phase in collaboration with UNODC.

III. EUROPE

Project Title	Article X Assistance and Protection Course on Deterrence and Prevention on the use of Chemical Weapons and Toxic Industrial Chemicals from a Law Enforcement first responder perspective
Partner Country/Region	Eastern European Countries
Implementing Country	France, Italy
Collaborating Institution(s) / Partner(s)	OPCW / Italian National Authority for the implementation of the CWC
Project Value	20.000 Euro
Duration	2022 - 2023
Description	<p>The course funded by the French Government has been designed and conducted by the Italian National Authority for the implementation of the CWC in favor of Eastern European Countries.</p> <p>The training provided the participants from Eastern European Countries with basic knowledge and awareness concerning site exploitation after the release of chemical agents, in a counter terrorism setting.</p> <p>The attendees learned how to approach and collect different types of samples that could be found at the scene of a chemical incident as well as how to photograph evidence, gather information necessary for a scientific scene assessment and connect the findings. In addition, the course covered basic principles of the chain of custody, reporting and cataloguing procedures in accordance with international standards.</p>

Project Title	Institutional Capacity Building for Sound Management of Chemicals in Georgia
Partner Country/Region	Georgia, Ukraine, regional Europe
Implementing Country	U.S. Department of State, Office of Weapons of Mass Destruction Terrorism (ISN/WMDT)
Collaborating Institution(s) or Partner(s)	Georgia Ministry of Environmental Protection and Agriculture; Regional Environmental Center for the Caucasus; Defense Threat Reduction Agency (DTRA); State Security Service of Georgia; Science and Technology Center in Ukraine (STCU)
Project Value	US\$1,500,000
Duration	Ongoing
Description	The STCU will support Government of Georgia efforts to establish and strengthen its legal frameworks and institutional infrastructure for chemicals management, to include reviewing and revising its chemical safety and security regulations to comply with European standards, developing and training stakeholders on a chemical registry/database, and strengthening national chemical safety and security monitoring capabilities. Specifically, the STCU will assist the Georgians in managing project scope, timelines, and costs; meeting project milestones and deliverables; and coordinating between relevant Georgian, U.S., and European Union stakeholders, as appropriate.

Project Title	Strengthening Ukrainian civil protection capabilities in the area of chemical security
Partner Country/Region	Ukraine
Implementing Country	Germany
Collaborating Institution(s) or Partner(s)	Federal Office for Civil Protection and Disaster Relief (BBK) of Germany, State Emergency Service of Ukraine (SES), State Border Guard Service (SBGS) of Ukraine
Project Value	€752,000 (in 2018) €875,016 (in 2019) €2,368,044 (2020-2022) €1,139,938 (in 2023)
Duration	2016-2023
Description	Training including training for crisis management, expert exchanges and equipment support with the aim to improve the protection of the Ukrainian civilian population by strengthening state structures and capacities to deal with CBRN threats

Project Title	Ukraine Chemical Response and Nonproliferation Assistance
Partner Country/Region	Ukraine
Implementing Country	United States, Department of State, Bureau of International Security and Nonproliferation, Office of the Nonproliferation and Disarmament Fund

Collaborating Institution(s) or Partner(s)	State Emergency Service, State Border Guard Service, Ministry of Defense, Ministry of Health, National Guard of Ukraine, National Police of Ukraine, Security Service of Ukraine
Project Value	US\$10,000,000
Duration	March 2023 – Present
Description	ISN/NDF is providing critical, life-saving chemical weapons nonproliferation related assistance to support Ukraine with personal protective equipment, detection and decontamination equipment, and sampling/evidence collection capabilities for international attribution and accountability efforts. ISN/NDF is also providing training assistance.

IV. MIDDLE EAST

Project Title	Advancing Women’s Leadership in Chemical Security in Iraq
Partner Country/Region	Iraq
Implementing Country	Weapons Threat Reduction Program, Global Affairs Canada
Collaborating Partner(s)	Civilian Research and Development Foundation (CRDF) Global
Project Value	C\$332,000
Duration	2018-2021
Description	This project advanced the leadership skills of Iraqi women in the area of chemical security through professional development courses, mentoring and regional fellowships. This project promoted an inclusive culture of chemical security in Iraq by providing qualified Iraqi women (from technical, research, policy, or educational backgrounds) with the requisite knowledge, skills, resources, and connections to participate in chemical security initiatives and contribute to non-proliferation policy-making.
Gender Equality	This project sought to provide women the opportunity to play active and leading roles in the chemical security sector and to continue investing in their professional development.

Project Title	Enhancing Chemical Incident Response Capabilities in Iraq
Partner Country/Region	Iraq
Implementing Country	Weapons Threat Reduction Program, Global Affairs Canada
Collaborating Partner(s)	Civilian Research and Development Foundation (CRDF) Global
Project Value	C\$782,000
Duration	2018-2021
Description	This project supported the Government of Iraq to increase incident prevention and response capacities by enhancing interagency structures and coordination mechanisms, securing vulnerable chemicals in high risk facilities and building training capacity to strengthen prevention and response capabilities (via training, workshops, roundtables, meetings, and table top exercises). This project also promoted chemical security culture and best practices.

Gender Equality	CRDF Global incorporated gender equality indicators, specifically on representation, decision-making, and institutional capacity, into this project’s performance measurement framework and integrated a gender-based analysis into project planning and management in order to account for possible differing implications and impacts on participants. CRDF Global prioritized the inclusion of women subject matter experts, local speakers, and workshop participants, which provides opportunities to play active and leading roles to continue investing in their professional development.
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Project Title	Iraqi First Responder Train & Equip Efforts to Mitigate Chemical Weapons (CW) Threats
Partner Country/Region	Iraq and Kurdistan Regional Government
Implementing Country	The United States, through the U.S. Department of State Bureau of International Security and Nonproliferation / Office of Cooperative Threat Reduction (ISN/CTR)
Collaborating Partner(s)	NGOs; U.S. National Labs; research and training institutions; logistics and training firms; other U.S. agencies
Project Value	US\$15,500,000
Duration	2013-2018
Description	<p>In response to the CW threat posed by ISIS, ISN/CTR continues to implement a series of train & equip efforts to strengthen the capacity of Iraqi first responders to rapidly detect the use of CW, don personal protective equipment (PPE), sample contaminated materials, and decontaminate affected areas/personnel. Specific project activities and implementing partners include:</p> <ul style="list-style-type: none"> • Procurement of specialized PPE to include M40 masks, JSLIST suits, gloves, boots, and canisters for the Iraqi Counter Terrorism Services and Ministry of Defense for use in counter-ISIS operations; • Procurement of specialized equipment for the Iraqi Civil Defense CBRN Teams to efficiently sample CW material used on the battlefield and prepare for expedient transport for analysis • Procurement of advanced CW detection training equipment for use by Iraqi Security Forces; • CW incident command training to exercise and build upon Iraqi Security Forces’ SOPs to detect the presence of CW, don PPE, and decontaminate during counter ISIS operations; and • Specialized training for response to ISIS sabotage/arson attempts targeting industrial chemical facilities

Project Title	Upgrading the Joint CBRN Training Facility in Jordan to a regional center for chemical safety and security Training and Exercises
Partner Country/Region	Jordan
Implementing Country	France
Collaborating Partner(s)	International Center for Chemical Safety and Security (ICCSS) in Warsaw (Poland) as project implementing body.

Project Value	US\$1,000,000 (Total project) €300,000 French grant is made available to fund the first stage of the project.
Duration	2020 (2 years)
Description	<p>The main goal for this project is to provide a detailed concept to upgrade of Joint CBRN Training Facility in JAF (Training Facility) to an accredited Regional Training Centre for Chemical Safety and Security, and to enhance its capability to conduct whole range of Training activities. This project will provide the center with the proper Curriculums in the area of chemical safety and security, which needed to be accredited in the region and worldwide, in addition the trainers should be prepared and go through education process to reach the required level for these curriculums.</p> <p>The proposed concept will provide a whole range of solutions to enable the Training Center to serve as a hub and accredited Training Center for relevant national, regional and international partners and experts.</p> <p>The project will assist to use the existing and newly developing capacities in reducing chemical threats and enhancing chemical security in the regional and international context.</p>

Project Title	OPCW Trust Fund for Syria Missions
Partner Country/Region	Syria is the focus of this project, but neither participates in, nor receives support for, this project.
Implementing Country	Germany
Collaborating Partner(s)	Organisation for the Prohibition of Chemical Weapons (OPCW)
Project Value	€1,000,000 (2019) €400,000 (2022)
Duration	2019, 2022
Description	This grant supports OPCW investigations into alleged use of chemical weapons in the Syrian Arab Republic.

Project Title	OPCW Trust Fund for Syria Missions
Partner Country/Region	Syria is the focus of this project, but neither participates in, nor receives support for, this project.
Implementing Country	Ireland
Collaborating Partner(s)	Organisation for the Prohibition of Chemical Weapons (OPCW)
Project Value	€100,000
Duration	Ongoing
Description	This grant supports OPCW investigations into alleged use of chemical weapons in the Syrian Arab Republic.

Project Title	OPCW Trust Fund for Syria Missions
Partner Country/Region	Syria is the focus of this project, but neither participates in, nor receives support for, this project.
Implementing Country	Japan (Ministry of Foreign Affairs)
Collaborating Partner(s)	The Organisation for the Prohibition of Chemical Weapons (OPCW)

Project Value	€480,000
Duration	April 2020
Description	<p>The fund supports full elimination of the Syrian Chemical Weapons Programme and clarification of facts related to the alleged use of chemical weapons, in accordance with the relevant decisions of the policy making organs of the OPCW.</p> <p>Activities include but are not limited to the following:</p> <ul style="list-style-type: none"> • Missions of Declaration Assessment Team (DAT) • Deployment of the Fact Finding Missions (FFM) • Technical Secretariat activities in relation to Syria Missions associated with implementation of C-SS-4/DEC.3 dated 27 June 2018, particularly the work of the Investigation and Identification Team (IIT); and • Other activities pursuant to decisions of the policy-making organs of the OPCW (e.g. periodic inspections of the SSRC)

Project Title	OPCW Trust Fund for Syria Missions
Partner Country/Region	Syria is the focus of this project, but neither participates in, nor receives support for, this project.
Implementing Country	Norway, Ministry of Foreign Affairs
Collaborating Partner(s)	The Organisation for the Prohibition of Chemical Weapons (OPCW)
Project Value	NOK 1,000,000
Duration	2019
Description	<p>Full elimination of the Syrian Chemical Weapons Programme and Clarification of facts related to the alleged use of chemical weapons, in accordance with the relevant decisions of the policy-making organs of the OPCW.</p> <p>Activities include but are not limited to the following:</p> <ul style="list-style-type: none"> • Missions of Declaration Assessment Team (DAT); • Deployment of the Fact-Finding Mission; • All Technical Secretariat activities in relation to Syria Missions associated with implementation of C-SS-4/DEC.3, dated 27 June 2018; and • All programmatic activities relating to above.

Project Title	OPCW Trust Fund for Syria Missions
Partner Country/Region	Syria is the focus of this project, but neither participates in, nor receives support for, this project.
Implementing Country	Sweden (Ministry for Foreign Affairs)
Project Value	The Organisation for the Prohibition of Chemical Weapons (OPCW)
Duration	Contribution in 2022: SEK 1,500,000 (€135,000) Contributions 2018-2021: SEK 9,000,000 (€860,000)
Description	Current and ongoing from 2016
	Contribution earmarked for categories of expenses related to the activities of the Declaration Assessment Team (DAT), the Fact-Finding Mission (FFM) and the Investigation and Identification Team (IIT).

Project Title	OPCW Trust Fund for Syria Missions
Partner Country/Region	Syria is the focus of this project, but neither participates in, nor receives support for, this project.
Implementing Country	Switzerland
Collaborating Partner(s)	Swiss Federal Department of Foreign Affairs; Swiss Federal Department of Defence, Civil Protection and Sport; Organisation for the Prohibition of Chemical Weapons (OPCW)
Project Value	CHF 450,000
Duration	2015 to 2020
Description	In response to persistent allegations of chemical weapon attacks in Syria, the OPCW Fact Finding Mission (FFM) was set up in 2014 “to establish facts surrounding allegations of the use of toxic chemicals, reportedly chlorine, for hostile purposes in the Syrian Arab Republic”. The OPCW’s Investigation and Identification Team (IIT) is responsible for identifying the perpetrators of the use of chemical weapons in the Syrian Arab Republic. The IIT identifies and reports on all information potentially relevant to the origin of those chemical weapons in those instances in which the OPCW’s Fact-Finding Mission (FFM) determines or has determined that use or likely use occurred, and cases for which the OPCW-UN Joint Investigative Mechanism (JIM) has not identified the perpetrators of chemical weapons use in Syria.

Project Title	OPCW Investigation and Identification Team (Syria Attribution) – Supporting the IIT work on the use of CW in Syria.
Partner Country/Region	Syria is the focus of this project, but neither participates in, nor receives support for, this project.
Funding Country	United Kingdom
Collaborating Partner(s)	Organisation for the Prohibition of Chemical Weapons
Project Value	£435,000
Duration	Contributed during FY 20/21 and 21/22
Description	Additional support for the functioning of the team such as translation services; IT services and software.

Project Title	Support for OPCW missions in Syria
Partner Country/Region	Syria is the focus of this project, but neither participates in, nor receives support for, this project.
Funding Country	United Kingdom
Collaborating Partner(s)	Organisation for the Prohibition of Chemical Weapons
Project Value	£150,000
Duration	Current and ongoing since 2014
Description	UK voluntary national contribution to support the work of the OPCW missions in Syria.

Project Title	Chemical Weapons Threat Reduction and Emergency Incident Preparedness for Syrian Civilian Medical Personnel and First Responders
Partner Country/Region	Syrian Civilian Medical Personnel and First Responders Operating in northwest Syria
Implementing Country	The United States: U.S. Department of State Bureau of International Security and Non-proliferation / Non-proliferation and Disarmament Fund (ISN/NDF)
Collaborating Partner(s)	U.S. and Europe-based chemical detection, evidence collection, and first responder subject matter experts.
Project Value	US\$15,300,000
Duration	2017-2019
Description	<p>In partnership with U.S. and Europe-based chemical detection and first response subject matter experts, the U.S. is conducting a chemical threat reduction training and equipment provision program to strengthen the capabilities of civilian first responders in northwest Syria. Specific project activities and capacity building objectives include:</p> <ul style="list-style-type: none"> • Providing personal protective equipment (PPE), chemical detection gear, medical countermeasures, and sampling supplies to Syrian civilian beneficiaries to help them identify, mitigate, and document potential CW attacks in Syria in accordance with international standards. • Conducting related training on CW detection equipment, clinical protocols, and crisis management for civilian beneficiaries enabling them to mitigate the effects of CW attacks on the communities they serve. • Building beneficiary capabilities to collect, preserve, and ensure proper chain-of-custody of both environmental and biomedical samples to confirm potential CW attacks and hold perpetrators accountable through international attribution efforts.

Project Title	Mapping Syria's Chemical Weapons Complex
Partner Country/Region	Middle East Syria is the focus of this project, but neither participates in, nor receives support for, this project.
Implementing Country	Weapons Threat Reduction Program, Global Affairs Canada
Collaborating Partner(s)	Global Public Policy Institute (GPPi)
Project Value	C\$625,000
Duration	2020-2022
Description	This project is supporting the production of comprehensive, well-documented and publicly available information on all Syrian chemical weapons activities and attacks, including through the development of an online database to outline these activities (Nowhere to Hide: The Specter of Chemical Weapons Use in Syria).
Gender Equality	This project included the publication of a report "The Last Straw: How Chemical Weapons Impact Women and Break Communities," which highlighted the disproportionate impact that chemical weapons have on women and communities in Syria's ongoing civil war as well as "Assad's

	Long Reach: The Syrian Arab Air Force at War. which documented the impact of chemical attacks conducted by the Air Force during the decade-long civil war on vulnerable populations.
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Project Title	Support to the OPCW to Strengthen Capacity to Investigate Chemical Weapons Incidents in Syria
Partner Country/Region	Middle East Syria is the focus of this project, but neither participates in, nor receives support for, this project.
Implementing Country	Weapons Threat Reduction Program, Global Affairs Canada
Collaborating Partner(s)	Organisation for the Prohibition of Chemical Weapons (OPCW)
Project Value	C\$2,500,000
Duration	2017-2021
Description	This project supported the Syrian Fact-Finding Missions (FFM) and Declaration Assessment Teams (DAT) and provided funding towards essential upgrades at the OPCW's resident laboratory.

Project Title	Support to OPCW-UN Joint Investigative Mechanism for Attributing Responsibility for CW Use in Syria
Partner Country/Region	Middle East Syria is the focus of this project, but neither participates in, nor receives support for, this project.
Implementing Country	Weapons Threat Reduction Program, Global Affairs Canada
Collaborating Partner(s)	United Nations Office for Disarmament Affairs (UNODA)
Project Value	US\$2,000,000
Duration	2015-2022
Description	<p>This project supported the OPCW-UN Joint Investigative Mechanism for Attributing Responsibility for Chemical Weapons Attacks in Syria. Created pursuant to Resolution 2235 on August 7, 2015, the Joint Investigative Mechanism (JIM) was mandated to “identify to the greatest extent feasible individuals, entities, groups, or governments who were perpetrators, organizers, sponsors or otherwise involved in the use of chemicals as weapons”.</p> <p>With the expiry of the JIM mandate in November 2017, Canada has continued its support of this project through financial support to the Office for Disarmament Affairs to ensure the full operability of the Secretary-General's Mechanism for investigation of the alleged use of chemical, biological and toxin weapons.</p>

V. MULTI-REGIONAL AND GLOBAL PROGRAMMING

Project Title	OPCW Centre for Chemistry and Technology (ChemTech Centre)
Partner Country/Region	Global
Implementing Countries	Australia, Belgium Canada, Chile, Czech Republic, Finland, France, Germany, European Union, Hungary, Ireland, Italy, Japan, Kazakhstan, Mexico, Netherlands, New Zealand, Norway, Philippines, Poland, Portugal, Republic of Korea, Spain, Sweden, Switzerland, United Kingdom, United States
Collaborating Institution(s) Partner(s) /	Organisation for the Prohibition of Chemical Weapons (OPCW)
Project Value	Total GP contribution = €33,750,000 ³ Australia (AUD 350,000), Belgium (€2,000,000), Canada (C\$10,000,000) Chile (€13,000), Czech Republic (€19,491), Finland (€100,000), France (€1,400,000), Germany (€1,500,000), EU (€8,131,000), Hungary (€35,000), Ireland (€30,000), Italy (€200,000), Japan (€2,400,000), Kazakhstan (€20,000), Mexico (€5,000), Netherlands (€2,300,000), New Zealand (€200,000), Norway (€24,349), Philippines (US\$15,000), Poland (€100,000), Portugal (€40,000), Republic of Korea (€455,231), Spain (€260,000), Sweden (€38,319), Switzerland (€283,262), United Kingdom (€1,044,707), United States (US\$6,995,767)
Duration	2018-2023
Description	This project will ensure that the OPCW remains well-equipped to prevent, detect and respond to all manner of CW threats through upgrades from its existing chemical laboratory to a new Centre for Chemistry and Technology . The new Centre will enable the OPCW to keep pace with current threats and remain fit for purpose ahead of future threats, by augmenting analytical and training capabilities, enhancing the capability to test, evaluate, store and deploy equipment, and developing capacities to engage in research activities. Additionally, it will support increased verification research and capacity-building activities to assist State Parties. The facility will also support IIT, FFM and DAT missions, and will provide in-house capacity building programmes for member states.

Project Title	Expansion of Programme Global Shield
Partner Country/Region	Africa, the Americas
Implementing Country	United States, Department of State, Bureau of International Security and Nonproliferation, Office of the Nonproliferation and Disarmament Fund
Collaborating Institution(s) Partner(s) /	World Customs Organization (WCO), European Union, INTERPOL

³ The collective contribution of GP members accounted for ~97.5% of the total budget for the ChemTech Centre (i.e. €34,627,015)

Project Value	US\$1,400,000 (United States contribution to cost-share with EU)
Duration	2 years, beginning June 2022
Description	WCO will analyze the sources and destinations of chemical trade in 13 common chemical explosives precursors and metals on a global basis to establish a baseline of legitimate trade. The results of this analysis, in combination with strategic input from international partners (sponsors and organizations such as INTERPOL), will inform the development of best practices as well as priority locations for further in-country outreach and training by WCO instructors, field operational exercises with Customs administrations, and the provision of CW threat reduction/detection equipment.

Project Title	Wuppertal Annual Course of Loss Prevention and Safety Promotion in the Chemical Process Industries
Partner Country/Region	Africa, Asia, Latin America, Caribbean
Implementing Country	Germany
Collaborating Institution(s) / Partner(s)	Chemical Safety and Fire Defence School of Mechanical Engineering and Safety Engineering at the University of Wuppertal (BUW) Organisation for the Prohibition of Chemical Weapons (OPCW)
Project Value	2018-2021: €862,000 (4 years) 2022-2024: €542,000 (3 years)
Duration	2009-2024
Description	<p>Germany funds a seminar/workshop series organized and conducted by the University of Wuppertal in cooperation with the OPCW on loss prevention and safety promotion in the chemical process industries. Intended for professionals and public servants working in the context of the chemical industry, the course aims to raise awareness for the necessities and benefits of safe chemical facilities and accordingly the required safety culture. The course contents are designed to illustrate the European Standards concerning chemical safety. Participants shall act as multipliers of the conveyed contents in their home countries.</p> <p>The annual course is a practice-orientated and interactive training. Before the pandemic, the annual course consisted out of two 5-day training workshops. During the pandemic, the annual course consisted out of a 3-week online course with webinar sessions, live demonstrations, group exercises and case studies. This highly specialized training has the goal to spread knowledge and awareness with regard to safety management.</p>
Gender Equality	Gender balance is a key criterion for selecting the participants.

Project Title	Workshop to Identify Chem/Bio Terrorist Attack Tripwires and Strengthen Whole-of-Government Coordination
Partner Country/Region	Algeria, regional Africa, Middle East and North Africa, Iraq, Jordan, Kenya, Tunisia
Implementing Country	U.S. Department of State, Office of Weapons of Mass Destruction Terrorism (ISN/WMDT)

Collaborating Institution(s) Partner(s)	Pacific Northwest National Laboratory (PNNL); Federal Bureau of Investigations (FBI)
Project Value	US\$1,000,000
Duration	2019-2022

Project Title	Preventing Non-State Actors from Developing or Using Weaponizable Chemicals
Partner Country/Region	Algeria, Bangladesh, Chad, India, Indonesia, Jordan, Kenya, Lebanon, Libya, Mali, Morocco, Pakistan, Philippines, Tunisia, Yemen
Implementing Country	United States Department of State, Bureau of International Security and Nonproliferation, Office of Cooperative Threat Reduction (ISN/CTR), Chemical Security Program
Collaborating Institution(s) Partner(s)	Private sector, law enforcement, research institutes, universities and policy makers
Project Value	US\$5,000,000
Duration	Ongoing since 2018
Description	<p>ISN/CTR raises foreign partner capacity to prevent exploitation of the supply chain by state actors through the following activities:</p> <p>Know-your-Customer (KYC) Training: ISN/CTR trains private sector stakeholders on client due diligence practices and other investigative efforts. This effort aims to ensure companies practice better due diligence when selling, transferring, or trading chemicals.</p> <p>Research into Supply Chains: ISN/CTR builds foreign capacity to support private sector due diligence and law enforcement, by conducting open-source research into procurement networks and sharing key pieces of information with foreign partners.</p> <p>Laboratory Capacity Building and Hardening: ISN/CTR builds foreign scientific capacity to support law enforcement, first responders, and larger efforts to identify the dissemination of CW materials by state actors.</p>

Project Title	Chemical Weapons Threat Reduction Worldwide
Partner Country/Region	Bangladesh, India, Indonesia, Iraq, Libya, Malaysia, Maldives, Pakistan, the Philippines, Sri Lanka, Tajikistan, Uzbekistan
Implementing Country	U.S. Department of State, Office of the Nonproliferation and Disarmament Fund (ISN/NDF)
Collaborating Institution(s) Partner(s)	CRDF Global, U.S. Coast Guard, Pacific Northwest National Lab
Project Value	US\$11,000,000.00
Duration	March 2022 to present (3 years period of performance)

Description	Development and implementation of stand-alone Chemical and Biological Weapons (CBW) terrorism prevention training modules for law enforcement, military, prosecutors, and other critical stakeholders which can be integrated into existing Counter-Terrorism training efforts supported by other U.S. Government threat reduction programs. Designed to fill critical gaps in international prevention efforts, preparedness, and response to the threats posed by non-state actor acquisition and use of rudimentary chemical and biological materials to launch mass casualty attacks. Includes the involvement of maritime security partners and port operators to prevent the stockpiling of explosives precursor chemicals and illicit diversion/proliferation activities.
Gender Equality	N/A; to be promoted and assessed during the implementation phase in collaboration with implementing partners.

Project Title	OPCW Designated Laboratory programme – Support the OPCW programme of expanding the number of Designated Laboratories Worldwide.
Partner Country/Region	Brazil, Mexico, Chile, Kenya, Nigeria
Funding Country	United Kingdom
Collaborating Institution(s) / Partner(s)	OPCW
Project Value	£265,000 over FY20/21 and 21/22
Duration	On-going
Description	<p>This work seeks to address the lack of Designated Laboratories in Africa or South America regions.</p> <p>The OPCW programme provides essential training and assistance to target counties in order to develop the necessary expertise and capability for facilities to qualify as a Designated Laboratory. UK financial support through OPCW has enabled proficiency testing reports to be produced for laboratories in Brazil, Mexico, Chile, Kenya and Nigeria. These reports will identify areas of capability and equipment/assets that are needed for laboratories to work towards Designated Laboratory status.</p>

Project Title	Training Partner Countries to Prevent Exploitation of the Supply Chain by State Actors
Partner Country/Region	Bulgaria, Egypt, Hungary, India, Indonesia, Jordan, Lebanon, Malaysia, Philippines, Romania, Singapore, Slovenia, Turkey
Implementing Country	United States Department of State, Bureau of International Security and Nonproliferation, Office of Cooperative Threat Reduction (ISN/CTR), Chemical Security Program
Collaborating Institution(s) / Partner(s)	Chemical manufacturers, distributors, other industry and some regulatory authorities
Project Value	US\$5,000,000

Duration	Ongoing since 2018
Description	<p>ISN/CTR raises foreign partner capacity to prevent exploitation of the supply chain by state actors through the following activities:</p> <p>Know-your-Customer (KYC) Training: ISN/CTR trains private sector stakeholders on client due diligence practices and other investigative efforts. This effort aims to ensure companies practice better due diligence when selling, transferring, or trading chemicals.</p> <p>Research into Supply Chains: ISN/CTR builds foreign capacity to support private sector due diligence and law enforcement, by conducting open-source research into procurement networks and sharing key pieces of information with foreign partners.</p> <p>Laboratory Capacity Building and Hardening: ISN/CTR builds foreign scientific capacity to support law enforcement, first responders, and larger efforts to identify the dissemination of CW materials by state actors.</p>

Project Title	Training in Chemical Weapons Verification 2018-2020
Partner Country/Region	Countries in the DAC List of ODA Recipients, and having signed and ratified the CWC
Implementing Country	Finland, Ministry for Foreign Affairs of Finland
Collaborating Institution(s) / Partner(s)	The recipient countries during 2012-2017 were Kenya and Ethiopia. Nepal has been selected for a new training recipient country in the Laboratory Capacity Building Program for 2018-2020.
Project Value	€1,350,000 (€450,000/year for three years)
Duration	Three years (2018-2020)
Description	<p>The objective is to train experts from developing countries in analytical chemistry and in chemistry related to the CWC, stressing the laboratory capacity building aspect, in training of National Authorities in implementation of the CWC (Article VII), and in Economic and Technological Development (Article XI). Industrial declarations (Article VI: Activities not prohibited under this Convention) are also taught.</p>

Project Title	Support to CWC States Parties and Regional Authorities for the Implementation of Assistance & Protection against chemical weapon attack under Article X of the CWC
Partner Country/Region	CWC SP in the East Africa Community Region (EAC), Economic Community of West African States (ECOWAS), South African Development Community (SADC) and Caribbean Region
Implementing Country	United Kingdom
Collaborating Institution(s) / Partner(s)	The OPCW Technical Secretariat; Czech Republic, Switzerland and Individual States and regional authorities
Project Value	£114,000 in FY 20/21 (in excess of £500K since inception in 2011)
Duration	2011-Present

Description	The UK has worked closely with the OPCW Technical Secretariat for many years to build capacity in CWC SP to respond in the event of use or threat of use of chemical weapons or the misuse of toxic industrial chemicals. This has included training on assistance and co-ordination of emergency multi-agency response, risk and response planning and the development of formal and informal regional response networks and plans. We also run table-top exercises to train effective response. In EAC Region we are working with the Czech Republic, who are providing chemical protection training; we are supporting this with equipment and specialist evaluation of activities. In ECOWAS region we are working with Switzerland, who are providing chemical protection training. For 2020 we are also supporting similar risk & response assessment work in the SADC region. We have been actively supporting the Caribbean region since 2007 and are currently working on risk/response planning with SP.
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Project Title	Chemical Threat Detection, Transportation Security, and CBRN First Responder Training
Partner Country/Region	Chemical Security Program partner countries in Southeast Asia and sub-Saharan Africa, including Kenya, Malaysia, and Nigeria
Implementing Country	The United States, through the U.S. Department of State Bureau of International Security and Nonproliferation / Office of Cooperative Threat Reduction (ISN/CTR)
Collaborating Institution(s) / Partner(s)	U.S. National Labs; Kenyan, Nigerian, and Malaysian professional societies, government agencies, and first responders
Project Value	US\$1,500,000
Duration	2017-2019
Description	<p>In partnership with implementing partner Lawrence Livermore National Laboratory, the U.S. is conducting a series of chemical detection, transportation security, and response trainings to strengthen the capabilities of African and Southeast Asian partners to identify and effectively respond to chemical terrorism threats. Specific project activities and capacity building objectives include:</p> <ul style="list-style-type: none"> • Empowering African and Southeast Asian law enforcement and other members of the first responder community to assess and mitigate the effects of chemical weapons incidents; • Linking country partners with international experts on ground transportation security, including rail police and CBRN first responders, to raise awareness of chemical threats to transportation targets and best practices for mitigating these threats; • Establishing effective modes of communication and coordination for incident command response among law enforcement and first responder entities within partner countries; • Building the capabilities of first responders to use chemical weapons- related PPE, detection systems, decontamination materials, and sampling gear to protect responding units and collect relevant information.

Project Title	Chemical Anti-Smuggling Enforcement (CHASE) to South East Asia and Middle East
Partner Country/Region	Middle East and Southeast Asia
Implementing Country	Weapons Threat Reduction Program, Global Affairs Canada
Collaborating Institution(s) / Partner(s)	INTERPOL
Project Value	C\$1,436,000
Duration	2015-2018
Description	This Project enhanced the capacity of select ASEAN member states and countries in the Middle East to work both within and across their borders to target illegal movement of chemical warfare agents, toxic industrial chemicals, and explosive precursor chemicals in the regions.

Project Title	Strengthening Chemical Terrorism Prevention & Response Capacity
Partner Country/Region	Middle East & West Africa
Implementing Country	Weapons Threat Reduction Program, Global Affairs Canada
Collaborating Institution(s) / Partner(s)	International Criminal Police Organization (INTERPOL)
Project Value	C\$4,800,000
Duration	2018-2021
Description	This INTERPOL-led project aims to enhance the capacity of law enforcement to reduce illegal transnational chemical and explosive threats posed by international crime and/or terrorism in the Middle East and in West Africa and to increase inter-agency and regional collaboration on international criminal investigation and operations to strengthen chemical security.

Project Title	Study of relevant lessons learned from the field of nuclear security of relevance to the OPCW assistance activities in Chemical Security
Partner Country/Region	Multilateral
Implementing Country	Sweden through the Ministry for Foreign Affairs
Project Value	Contribution in 2018: SEK 200,000/€190,000/£24,800
Duration	2018
Description	In June 2018, the OPCW was tasked by the Conference of States Parties to identify ways to strengthen assistance in chemical security. In order to support this effort, VERTIC was asked to review the IAEA Nuclear Security Programme of Activities as well as principles applied to the security of radioactive sources, with a view to making concrete proposals for how lessons learned from the IAEA could be applied to the work of the OPCW. The results were presented at a side event during the Fourth CWC Review Conference.

Project Title	UK National funding to contribute to the strengthening of the CWC
Partner Country/Region	Various
Funding Country	United Kingdom
Collaborating Institution(s) / Partner(s)	Organisation for the Prohibition of Chemical Weapons
Project Value	£1,000,000
Duration	2018-2021
Description	UK voluntary National contribution to strengthen the implementation of the CWC. It is proposed to include support for the building of a new OPCW Laboratory in The Hague, support for the new Technical Secretariat Attribution function, support to new Laboratories in CWC States and an increase in capacity building in Africa under Article X.
Project Title	Assessing the Chemical Weapons Capability of the Democratic People's Republic of Korea
Partner Country/Region	Global
Implementing Country	Weapons Threat Reduction Program, Global Affairs Canada
Collaborating Institution(s) / Partner(s)	Royal United Services Institute for Defence and Security Studies (RUSI)
Project Value	C\$2,000,000
Duration	2022-2025
Description	At present there exists very limited credible and publicly available information about the DPRK's extensive chemical weapons (CW) program, which has been active for decades and is believed to include up to 5,000 tons of stockpiled agents. To reduce the threat posed by the proliferation and potential use of chemical weapons by North Korea, and to inform the development of potential threat reduction intervention strategies, this project aims to utilize open source research and remote sensing capabilities to produce a comprehensive overview and analytical assessment of the DPRK's chemical weapons capabilities.

Project Title	Attributing Responsibility for Chemical Weapons Use
Partner Country/Region	Global
Implementing Country	Weapons Threat Reduction Program, Global Affairs Canada
Collaborating Institution(s) / Partner(s)	Wilton Park Executive Agency
Project Value	£35,000
Duration	2019
Description	This project delivered a 3-day tactical meeting on "Attributing Responsibility for Chemical Weapons Use". Key questions and topics explored included: the context for assessing compliance (political and technological considerations); how to achieve "effective attribution"; and what to do after attribution (e.g. options for pursuing accountability and the types of evidence and standards of proof required to be admissible, relevant and useable for prosecutions).

Project Title	Blockchain in Practice: Incubating Solutions for Transfer Discrepancies and Peaceful Uses of Chemical Trade
Partner Country/Region	Global
Implementing Country	Weapons Threat Reduction Program, Global Affairs Canada
Collaborating Institution(s) Partner(s) /	Henry L. Stimson Center
Project Value	C\$1,116,000
Duration	2021-2023
Description	This project aims to explore and test distributed ledger technology (DLT), which includes "blockchain technology", as a novel method to track and share information related to the transit of chemical materials, support state party obligations and monitor treaty compliance with the Chemical Weapons Convention.

Project Title	Development of a Compendium of CW Legal Measures to Secure CW Related Materials and Facilities to Assist State Parties in Fulfilling their Obligations under the CWC
Partner Country/Region	Global
Implementing Country	Weapons Threat Reduction Program, Global Affairs Canada
Collaborating Institution(s) Partner(s) /	Stimson Center
Project Value	C\$265,000
Duration	2018-2020
Description	Canada is supporting the Stimson Center to develop a compendium of legal measures that States Parties can use to secure CW related materials and facilities to implement their obligations under the CWC and UNSCR 1540. Key activities and milestones will include: development of a compendium of existing national legal frameworks for CW security among States Parties, recommendations for the development of international CW security standards, creation of an online tool to search the compendium and international standards, outreach with international bodies, national regulatory authorities, industry and civil society on the tool, practices, standards and project recommendations, raise awareness about the need to improve the security of CW related materials generally and the establishment of a tool for prioritizing gaps in the global chemical security infrastructure.

Project Title	Development of a Non-Proliferation Cheminformatics Compliance Tool
Partner Country/Region	Global
Implementing Country	Weapons Threat Reduction Program, Global Affairs Canada
Collaborating Institution(s) Partner(s) /	Henry L. Stimson Center

Project Value	C\$1,175,000
Duration	2020-2023
Description	Phase I of this project saw the development of a Non- Proliferation Cheminformatics Compliance Tool to support front- line officers working in the areas of border security, customs, security, and export controls to more easily determine if a given chemical falls within the scope of a national or international control list. In Phase II, the Stimson Center is partnering with American University to conduct a range of activities to field test the desktop NCCT prototype, to identify a commercial partner to develop and field test a more advanced, online version of the NCCT in a subsequent phase, and to develop a strategy for wider deployment based on the results of the field tests.

Project Title	Effective Implementation of the Chemical Weapons Convention
Partner Country/Region	Global
Implementing Country	Weapons Threat Reduction Program, Global Affairs Canada United Kingdom
Collaborating Institution(s) Partner(s)	Wilton Park Executive Agency
Project Value	£100,700
Duration	2022
Description	This project supported the organization and implementation of a dialogue entitled “Looking ahead to the 2023 Chemical Weapons Convention Review Conference”. Global experts and national representatives from CWC States Parties convened to assess the present and future challenges faced by the CWC and the international community in order to inform national policy.

Project Title	Expanding and Strengthening Global Outreach in the Chemical Weapons Convention (CWC) and Organisation for the Prohibition of Chemical Weapons (OPCW)
Partner Country/Region	Global
Implementing Country	Weapons Threat Reduction Program, Global Affairs Canada
Collaborating Institution(s) Partner(s)	Arms Control Association
Project Value	C\$250,000
Duration	2020-2022
Description	This project is supporting activities to enhance and expand public awareness concerning the global importance of the CWC and OPCW in advance of two Conferences of State Parties (CSP-25 and CSP-26). Activities include: outreach and awareness-raising; facilitation of non-governmental organization (NGO) participation in the CWC; developing a website to highlight NGO work and provide a go-to-source for education about the CWC and information on CWC related activities

	of civil society; and strengthening NGO networking and social media.
Gender Equality	This project aims to address the gender gap in the international security sector by increasing the meaningful participation of women in civil society in international high- level discussions related to the CWC universal implementation.

Project Title	INTERPOL Chemical Explosive Terrorism Prevention and Response Initiative
Partner Country/Region	Global Africa - Cameroon, Mali, Nigeria, North Africa Middle East Ukraine
Implementing Country	Weapons Threat Reduction Program, Global Affairs Canada
Collaborating Institution(s) / Partner(s)	International Criminal Police Organization (INTERPOL)
Project Value	C\$12,700,000
Duration	2018-2026
Description	This project supports INTERPOL's Chemical and Explosive Terrorism Prevention Program to engage with and support partner countries to prevent and/or respond to chemical and explosive threats posed by non-state actors through a comprehensive package of programming assistance and countermeasures.
Gender Equality	This project is integrating gender equality considerations where possible, including in project activities and reporting. Additionally, an emphasis is being placed on: integrating gender dimensions into training and capacity building products to combat the terrorist threat in beneficiary countries; gender-balanced participation in trainings; and meetings and increased awareness of gender equality in the law enforcement community.

Project Title	Strengthening Security, Analysis, Research and Situational Awareness Capabilities of the OPCW
Partner Country/Region	Global
Implementing Country	Weapons Threat Reduction Program, Global Affairs Canada
Collaborating Institution(s) / Partner(s)	Organisation for the Prohibition of Chemical Weapons (OPCW)
Project Value	C\$2,300,000
Duration	2019-2023

Description	This project is supporting critical security enhancements to the OPCW's facilities to ensure the integrity of its work to analyze and investigate chemical weapons use as well as funding to support chemical profiling and forensics research.
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Project Title	Strengthening Security, Business Continuity as well as Assistance & Protection capabilities of the OPCW
Partner Country/Region	Global
Implementing Country	Germany
Collaborating Institution(s) / Partner(s)	Organisation for the Prohibition of Chemical Weapons (OPCW)
Project Value	€ 2,056,000
Duration	2018, 2020
Description	Germany contributed 1 million Euro to the Trust Fund for Assistance & Protection as well as 56,000 Euro to the Trust Fund for Business Continuity in 2018. Furthermore, Germany contributed 1 million Euro to the Trust Fund for Security and Business Continuity in 2020.

Project Title	Strengthening the Chemical Weapons Convention through Civil Society Engagement
Partner Country/Region	Global
Implementing Country	Weapons Threat Reduction Program, Global Affairs Canada
Collaborating Institution(s) / Partner(s)	The Arms Control Association
Project Value	C\$289,925
Duration	2023-2025
Description	This project aims to strengthen the engagement of non-governmental organizations, academia, journalists and other relevant experts in meaningful policy dialogues around key Chemical Weapons Convention (CWC) topics through support provided to NGO organizations for their participation in the Chemical Weapons Convention-relevant dialogues, development of a strengthened communications strategy to promote the Chemical Weapons Convention, and the planning and delivery of meetings and webinar presentations to strengthen outreach and counter disinformation.

Project Title	Strengthening the Investigative, Analytical and Security Capabilities of the Organisation for the Prohibition of Chemical Weapons
Partner Country/Region	Global
Implementing Country	Weapons Threat Reduction Program, Global Affairs Canada
Collaborating Institution(s) / Partner(s)	Organisation for the Prohibition of Chemical Weapons (OPCW)

Project Value	C\$2,000,000
Duration	2019-2021
Description	This project supported critical activities associated with the mechanism to attribute responsibility for chemical weapons use in Syria. It also redressed information technology (IT) infrastructure and security vulnerabilities to better safeguard organizational assets against future cyber-attacks.

Project Title	Strengthening the Investigative and Security Capabilities of the Organisation for the Prohibition of Chemical Weapons
Partner Country/Region	Global
Implementing Country	Weapons Threat Reduction Program, Global Affairs Canada
Collaborating Institution(s) / Partner(s)	Organisation for the Prohibition of Chemical Weapons (OPCW)
Project Value	C\$2,000,000
Duration	2020-2022
Description	Ensuring that the OPCW remains well-equipped to prevent, detect and respond to chemical weapons threats and to defend itself against a growing array of external challenges (e.g. cyber- attacks) is a priority for Canada and other members of the Global Partnership. In this regard, this project is supporting the OPCW to improve the effectiveness of its information security capabilities to better prevent cyberattacks. It will also allow OPCW to assess the feasibility of applying 3D photography to enhance the OPCW's ability to model and forensically document sites where chemical weapons are alleged to have been used.

Project Title	Strengthening the Organisation for the Prohibition of Chemical Weapons and the Chemical Weapons Convention
Partner Country/Region	Global
Implementing Country	Weapons Threat Reduction Program, Global Affairs Canada
Collaborating Institution(s) / Partner(s)	Organisation for the Prohibition of Chemical Weapons (OPCW)
Project Value	C\$2,557,000
Duration	2020-2025
Description	This project supports the full and effective implementation of the Chemical Weapons Convention (CWC). The OPCW will deliver various capacity-building activities in Africa, as well as developing a databank to assess the origin of chemicals used in chemical weapons attacks in Syria. Security upgrades will also be made at the OPCW headquarters in The Hague in compliance with international best practices.

Project Title	Support for the Organisation for the Prohibition of Chemical Weapons (OPCW) Symposia on Women in Chemistry
Partner Country/Region	Global
Implementing Country	Weapons Threat Reduction Program, Global Affairs Canada
Collaborating Institution(s) Partner(s)	Organisation for the Prohibition of Chemical Weapons /
Project Value	C\$14,000
Duration	2018-2020
Description	The project supports the participation of female chemists at OPCW's Symposia to raise awareness of the re-emergence of CW threats, to identify capacity building opportunities for promotion and advancing women's leadership skills, to share women's contributions & best practices in chemistry and for the promotion of international cooperation on these issues.

Project Title	Supporting and Enhancing Chemical Non-Proliferation Instruments, Institutions and Practices
Partner Country/Region	Global
Implementing Country	Weapons Threat Reduction Program, Global Affairs Canada
Collaborating Partner(s)	Green Cross Switzerland / The CWC Coalition (CWCC)
Project Value	C\$40,000
Duration	2017-2018
Description	Canada supported Green Cross Switzerland and the CWC Coalition (CWCC) to enhance and expand public awareness concerning the global importance of the CWC and the OPCW, through sponsorship of NGO participation at the 22nd Conference of State Parties (CSP), and related CWCC initiatives. Specific activities included: targeted outreach to NGOs, academia, and industry representatives and supported NGOs to attend the annual CWC conference; organizing side events and related meetings at the CWC conference including "Open Forums," CWCC organizational meetings and organizing plenary statements by NGO representatives.

Project Title	Supporting and Enhancing Chemical Non-Proliferation Instruments, Institutions and Practices
Partner Country/Region	Global
Implementing Country	Weapons Threat Reduction Program, Global Affairs Canada
Collaborating Partner(s)	Arms Control Association / The CWC Coalition (CWCC)
Project Value	C\$150,000
Duration	2018-2020
Description	Canada is supporting the Arms Control Association and the CWC Coalition (CWCC) to enhance and expand public awareness concerning the global importance of the CWC and the OPCW to international peace and security by funding civil society participation in key meetings. These key meetings

	include Conference of State Parties (CSP), the 4th CWC Review Conference (November 2018) and related CWCC initiatives. Specific activities will include: targeted outreach to NGOs, academia, and industry representatives and support to select candidates to attend the annual CWC conferences; organizing side events and related meetings at the CWC conferences including “Open Forums,” a CWCC reception, organizational meetings and possible identification of recommendations to increase NGO engagement; promoting “codes of conduct” and ethical guidelines for national CWC implementation; and organizing plenary statements by NGO representatives, factoring in geographic and gender considerations. These efforts will increase public interest and awareness, both nationally and regionally, to build and sustain the global norm against existence and use of chemical agents and weapons by state or non-state actors. These forums and discussions will also address recent recommendations put forth by the OPCW Open-Ended Working Group on Future Priorities (OEWG-FP), the OPCW Advisory Board on Education and Outreach (ABEO), the OPCW Scientific Advisory Board (SAB), and other OPCW ongoing working groups.
Project Title	Supporting and Enhancing Chemical Non-Proliferation Instruments, Institutions and Practices
Partner Country/Region	Global
Implementing Country	Germany
Collaborating Partner(s)	The CWC Coalition
Project Value	€116,000
Duration	2022-2024
Description	Germany supports the work of the CWC Coalition to enhance and expand public awareness concerning the global importance of the CWC and the OPCW. Sponsored activities focus on the inclusion of NGO/civil society at the CSP-27 and RC-5, webinars and video meetings to inspire discussion, participation and networking, and different activities that aim at countering misinformation as well as promoting gender equity and inclusion.

Project Title	Tools and Programming to Support the CWC and the Implementation of UNSCR 1540 Obligations
Partner Country/Region	Global
Implementing Country	Weapons Threat Reduction Program, Global Affairs Canada
Collaborating Partner(s)	Stimson Center
Project Value	C\$1,756,000
Duration	2018-2020
Description	Canada is supporting the Stimson Center to deliver two initiatives. (1) to build an on-line tool, - Assistance Support Initiative reaching out to existing and prospective funders and implementers to populate the database with new or updated programs, projects and assistance opportunities, while refining the online tool based on feedback received from States seeking assistance and from funders and implementers. The

	<p>sub-project will improve the ASI database mechanisms, including the translation into foreign languages to ensure the widest possible pick-up among assistance-seeking States, and will explore how to synchronize the new database with the Global Partnership website, and databases of the BTWC, the CWC and the IAEA, with a view to improving the UNSCR 1540 assistance process. The other side project (2) This sub-project will analyze the WMD proliferation threat landscape in Southeast Asia and determine where targeted Security and Trade Efficiency Platform (STEP) assistance can make the most impact. Due to the serious threat posed by WMD proliferation in and through the Southeast Asia region, there is an urgent need to provide WMD security assistance to potential nodes of illicit trade in Southeast Asia, particularly around the shipping This sub-project STEP will lead to in-depth engagement with government and industry actors to better understand their roles in enforcing relevant regulation and operational processes that secure and optimize the supply chain, serving as a role model for the region.</p>
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Project Title	CW Assistance provided by the European Union
Partner Country/Region	Global
Implementing Country	European Union
Collaborating Institution(s) / Partner(s)	<ul style="list-style-type: none"> • Agence Française Expertise Technique Internationale • Military Institute of Chemistry and Radiometry of Poland (MICHR) • Business and Strategies in Europe S.A (BE) • Sustainable Criminal Justice Solutions (SCJS) • Studiecentrum voor Kernenergie / Centre d'étude de l'énergie nucléaire) (SCK CEN), Belgium • Enconet Consulting GesmbH • Expertise France (AFETI), France • Sustainable Criminal Justice Solutions (SCJS), UK • Agriconsulting Europe S.A. (AESA), Belgium • Expertise France • German Office of Economics and Export Control (BAFA), Germany
Project Value	€50,799,961
Duration	2018-2023
Description	<ul style="list-style-type: none"> • MEDISAFE - Combating illicit traffic and enhancing the safety of medicines in Eastern and Central Africa (€3,998,250) • Improvement of Chemical Safety and Security in the Middle East (€2,000,000) • Strengthening chemical and biological waste management in Central Asia countries for improved security and safety risk mitigation (€2,967,574) • Provision of specialised CBRN equipment for the training of personnel in charge of cross-border control in North-Africa and Sahel (€1,384,105) • Global on-site Technical Assistance to CBRN Centres of Excellence (CoE) (€7,444,420)

	<ul style="list-style-type: none"> • SEACHEM - Sound management of chemicals and their associated wastes in Southeast Asia (€2,999,815) • Strengthening crime scene forensics capabilities in investigating CBRN incidents in the South East and Eastern Europe region (€1,377,626) • Strengthening cross-border capacity for control and detection of CBRN substances in North Africa and Sahel (€3,500,000) • Capacity building for medical preparedness and response to CBRN incidents in the Middle East (€2,999,965) • EU Outreach programme - Export Control Cooperation in South East Asia (€2,928,206) • Export control outreach for dual-use items in Central Asia and Middle East (€3,500,000) • Strengthening safety and security of high-risk chemical facilities in West Africa region (€7,500,000) • Strengthening safety and security of road transportation of dangerous goods in North and West Africa and in Sahel countries + equipment for managing incidents (€8,200,000)
Project Title	Support to the OPCW
Partner Country/Region	Global
Implementing Country	European Union
Collaborating Institution(s) / Partner(s)	The Organisation for the Prohibition of Chemical Weapons (OPCW) Technical Secretariat
Project Value	Over €15,000,000
Duration	2019-2023
Description	The EU provides support to a broad range of the OPCW activities, (including investigations and the ChemTech Centre); improvement of OPCW's cyber security; and OPCW's access to satellite imagery.
Gender Equality	Gender equality aspect is by default included in EU support

Project Title	Support for the implementation of the Chemical Weapons Treaty
Partner Country/Region	Global
Implementing Country	The Netherlands and other MS of the CWC, especially MS owning designated laboratories.
Collaborating Institution(s) / Partner(s)	Netherlands Organisation for Applied Scientific Research (TNO – The Netherlands)
Project Value	€300,000 (annually)
Duration	Continuous duration being decided every 3 years since entry into force of the CWC
Description	The Netherlands is supporting the OPCW (Organisation for the Prohibition of Chemical Weapons) in several ways. First and foremost, TNO is executing the role of designated laboratory. Furthermore, TNO contributes in OPCW bodies dealing with the verification regime. Finally, TNO provides the OPCW Scientific Advisory Board with a member.

Project Title	Joint Action on Terror
Partner Country/Region	Global
Implementing Country	Norway: Norwegian Institute of Public Health (NIPH), Norwegian Directorate of Health, Norwegian Food Safety Authority (NFSA)
Collaborating Institution(s) / Partner(s)	A total of 31 partners dispersed among the participating countries. Coordinator: Norwegian Directorate of Health, led by a Steering Committee. 17 countries participating: Norway, Belgium, Bulgaria, Czech Republic, Croatia, France, Germany, Greece, Hungary, Italy, Malta, the Netherlands, Republic of Serbia, Slovenia, Spain, Sweden and the United Kingdom.
Project Value	Co-funded by the European Union's third health programme (80 %) and by the participating entities (20 %). The total budget for the Joint Action is €6,250,000. The budget for NIPH's portion of the Joint Action on Terror is as follows: Total cost: €480,000, of which NIPH is providing €100,000.
Duration	2021-24
Description	The Joint Action aims to strengthen health preparedness and response to terrorist attacks across the health, security and civil protection sectors, focusing on biological and chemical agents. The Joint Action focuses on biological and chemical agents, considering the EU list of high-risk biological agents, including those which are known to have been weaponised as well as risk/threat assessments indicating agents that terrorists are interested in. The framework to improve preparedness and to strengthen the response capacities to health emergencies of biological, chemical, environmental and unknown origin is provided by Decision 1082/2013/EU on serious cross-border threats to health at EU level. The NIPH contributes across several work packages (WPs), including lead on the WP for sustainability and implementation. NFSA participates in this work, coordinated by The Norwegian Directorate of Health.

Project Title	Legislative assistance for national implementation of the BTWC and CWC
Partner Country/Region	Global
Implementing Country	Norway, Ministry of Foreign Affairs
Collaborating Institution(s) / Partner(s)	VERTIC – Verification Research Training and Information Centre
Project Value	NOK 5,800,000
Duration	2019-2022

Description	This project strengthens the universalisation and implementation of international instruments for the non-proliferation of chemical and biological weapons and the security related materials in national and legal frameworks, including the Biological and Toxin Weapons Convention (BTWC), the Chemical Weapons Convention and related provisions of UN Security Resolution (UNSCR) 1540.
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Project Title	Strengthening global regimes to promote biological and chemical security
Partner Country/Region	Global
Implementing Country	Norway, Ministry of Foreign Affairs
Collaborating Institution(s) / Partner(s)	SIPRI – Stockholm International Peace Research Institute
Project Value	NOK 1,800,000
Description	Assist India and SA to develop effective national measures to implement the Chemical Weapons Convention.

Project Title	Lessons learned project OPCW-UN Joint Investigative Mechanism
Partner Country/Region	Global
Implementing Country	Switzerland
Collaborating Institution(s) / Partner(s)	Swiss Federal Department of Foreign Affairs; Swiss Federal Department of Defence, Civil Protection and Sport; UN Office for Disarmament Affairs (UNODA); Organisation for the Prohibition of Chemical Weapons (OPCW)
Project Value	CHF 60,000
Duration	2019-2020
Description	The objective of the project is to distil the lessons learned during the September 2015 to November 2017 OPCW-UN Joint Investigative Mechanism (JIM), which was mandated to identify, to the greatest extent feasible, individuals, entities, groups, or governments who were perpetrators, organizers, sponsors or otherwise involved in the use of chemicals as weapons, including chlorine or any other toxic chemical, in the Syrian Arab Republic, where the Fact-Finding Mission of the OPCW determines or has determined that a specific incident involved or likely involved the use of chemicals as weapons.

Project Title	Chemical Forensics International Technical Working Group (CFITWG) in support of international attribution efforts
Partner Country/Region	Global
Implementing Country	United Kingdom
Collaborating Institution(s) / Partner(s)	UK Ministry of Defence, Foreign, Commonwealth and Development Office, and Defence Science and Technology Laboratory.
Project Value	£105,000
Duration	2019 – 2021

Description	The CFITWG is an ad hoc group of scientists that carries out parallel work complementary to the OPCW to accomplish its mission. The group meets annually. It develops forensic methods to support CW investigations, combines synthetic and analytical chemistry knowledge, and provides peer review. It includes experts from more than 12 countries, including from the OPCW Designated Laboratories. The funding supported a DSTL expert to edit a text by CFITWG members that summarizes forensic advances for CW attribution; the expert presented this to the Global Partnership Chemical Security Working Group in June 2021. The project has benefited the OPCW. The outcome is a scientific article which will be submitted to a peer-reviewed journal in 2022 for publication.
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Project Title	CRDF Global - Support of the OPCW work Assistance and Protection Against Chemical Weapons under Article X
Partner Country/Region	Global
Implementing Country	United Kingdom
Collaborating Institution(s) Partner(s) /	CRDF Global
Project Value	£125,000
Duration	Ongoing
Description	Working with CRDF Global, the UK funded a project to promote the adoption of chemical industry security best practices and to empower local chemical industry associations to adopt voluntary industry security standards. It focused its effort in a number of countries in Sub-Saharan Africa. The programme equipped chemical industry associations with much needed security training materials and resources to sustainably mitigate threats and strengthen their capacity by developing security management practices, including those that secure weaponisable chemical materials from potential terrorist exploitation.

Project Title	OPCW Business Continuity and Cyber Security
Partner Country/Region	Global
Funding Country	United Kingdom
Collaborating Institution(s) Partner(s) /	OPCW
Project Value	£1.45m over FY20/21 and 21/22
Duration	ongoing
Description	Support for the OPCW's business continuity and cyber security trust fund. The purpose of OPCW's cybersecurity resilience programme is to migrate (rapidly) the organization from being an occasional consumer of security capability and threat information, defending elderly and relatively insecure infrastructure, to that of an organization running modern, defensible systems - not only consuming threat intelligence from external sources but generating its own. By doing so, the

	organization can better protect its information and systems without relying solely on external sources, and retain the people who make this happen, thus ensuring long-term effective security assurance.
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Project Title	OPCW Technical Secretariat – Supporting the Technical Secretariat (TS) in its aim to provide technical assistance to States Parties to enable full implementation of the CWC
Partner Country/Region	Global
Implementing Country	United Kingdom
Collaborating Institution(s) / Partner(s)	OPCW
Project Value	£10k
Duration	Ongoing
Description	Through the OPCW TS the UK continues to share UK expertise, resources and best practices by mentoring the National Authorities of States Parties that have identified gaps and challenges in implementing the CWC and have requested assistance. Tailored support on a range of issues is provided according to specific needs and includes national implementing legislation, the functioning of a National Authority, chemical safety and security, declaration requirements, OPCW inspections and CWC licensing and trade controls. The mentorship work has made improvements in these countries and is predominantly an in kind contribution rather than a monetary one.

Project Title	Support to the Verification and Assistance functions of the OPCW Technical Secretariat
Partner Country/Region	Global
Implementing Country	United Kingdom
Collaborating Institution(s) / Partner(s)	Organisation for the Prohibition of Chemical Weapons
Project Value	£38,000 in FY 20/21 (in excess of £500K since inception in 2003)
Duration	Current and ongoing since 2003
Description	The UK has worked closely with the OPCW Technical Secretariat for many years to build capacity to respond to non-routine contingency operations including Investigations of Alleged Use of chemical weapons, Technical Assistance Visits and Rapid Response and Assistance Mission (RRAM) co-ordination of assistance and protection.

Project Title	Addressing Russian Malign Influence
Partner Country/Region	Global
Implementing Country	U.S. Department of State, Office of Cooperative Threat Reduction (ISN/CTR)
Collaborating Institution(s) / Partner(s)	U.S. national laboratories, universities, research institutes and non-governmental organizations

Project Value	US\$3,700,000
Duration	Ongoing: started in 2019
Description	<p>ISN/CTR raises foreign partner capacity to identify and respond to the Russian Government's active measures attacks that seek to undermine longstanding non-proliferation norms.</p> <p>Counter WMD Assassination Training: This area of focus will seek to enhance partner Government capacity to identify and respond to the Russian Government's use of WMD materials in assassinations – especially in a hostile information environment where disinformation attacks seek to undermine investigative efforts.</p> <p>Laboratory Capacity Building and Hardening: ISN/CTR will build and strengthen foreign scientific capacity to support law enforcement, first responders, and larger efforts to identify the dissemination of hard-to-detect and advanced WMD material by the Russian Government.</p> <p>Strengthening Non-proliferation Norms: ISN/CTR will increase foreign Government and private sector support for non-proliferation norms, as well as the adoption of cybersecurity best practices.</p>

Project Title	Global Chemical Security Engagement Activities
Partner Country/Region	Global, including, Afghanistan, Algeria, Bangladesh, Bulgaria, Egypt, Hungary, India, Indonesia, Jordan, Kenya, Lebanon, Libya, Malaysia, Mali, Morocco, Nigeria, Pakistan, Philippines, Romania, Saudi Arabia, Somalia, Slovenia, Turkey, and Yemen
Implementing Country	United States – U.S. Department of State, Office of Cooperative Threat Reduction (ISN/CTR)
Collaborating Institution(s) Partner(s)	U.S. national laboratories, universities, research institutes and non-governmental organizations
Project Value	US\$50M
Duration	Ongoing: started in 2011.
Description	<p>ISN/CTR's Chemical Security Program (CSP) partners with law enforcement, government, academic, and industrial communities to strengthen their ability to prevent, detect, and mitigate chemical attacks, the proliferation of weaponizable chemicals, and advances in vertical chemical weapons proliferation by great powers and rogue states in violation of the Chemical Weapons Convention. CSP secures and prevents the transfer of chemical weapons-related assets (such as chemicals, equipment, technologies, expertise, and infrastructure) to proliferator states and terrorist networks that may conduct chemical attacks. CSP also sponsors efforts to identify and address chemical security vulnerabilities, to detect and investigate early warning signs of chemical weapon production and attack planning, and to attribute chemical weapons attacks to their source.</p> <p>CSP works to:</p> <ul style="list-style-type: none"> • Identify and disrupt acquisition networks of weaponizable

	<p>precursors, equipment, and expertise procured by state proliferators and non-state actors intending to violate international norms pertaining to the use of chemical weapons at any point in the chemical supply chain.</p> <ul style="list-style-type: none"> • Strengthen chemical weapon identification and attack investigations to attribute a chemical weapons attack to the appropriate state or non-state actor. • Enhance the ability of foreign partners to prevent, mitigate and attribute non-state actor chemical attacks, including those employing toxic gasses made from commercially available material.
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Project Title	Global Congress on Chemical Security and Emerging Threats
Partner Country/Region	Global, including, Algeria; Argentina; Australia; Austria; Bahrain; Bangladesh; Belgium; Bolivia; Bosnia and Herzegovina; Brazil; Brunei; Burkina Faso; Cameroon; Canada; Central African Republic; Chad; Chile; Colombia; Costa Rica; Cyprus; Czech Republic; Denmark; Democratic Republic of the Congo; Djibouti; Dominican Republic; Ecuador; Egypt; El Salvador; Ethiopia; Finland; France; Germany; Ghana; Greece; Guatemala; Guinea; Honduras; Hungary; India; Indonesia; Iraq; Ireland; Italy; Japan; Jordan; Kenya; Lebanon; Libya; Malaysia; Mali; Mauritania; Mexico; Morocco; Mozambique; Namibia; The Netherlands; Nicaragua; Niger; Nigeria; Norway; Pakistan; Panama; Paraguay; Peru; Philippines; Poland; Portugal; Romania; Senegal; Singapore; Somalia; South Korea; Spain; Sri Lanka; Suriname; Sweden; Switzerland; Thailand; Trinidad and Tobago; Tunisia; Turkey; Uganda; Ukraine; United Arab Emirates; United Kingdom; United States; Uruguay; Venezuela; Yemen; Zimbabwe
Implementing Country	The United States Federal Bureau of Investigation (FBI), the United States Cybersecurity and Infrastructure Security Agency (CISA), and the United States Defense Threat Reduction Agency's Cooperative Threat Reduction Program (DTRA/CTR)
Collaborating Institution(s) Partner(s)	/ Weapons Threat Reduction Program, Global Affairs Canada; the United States Department of State; INTERPOL
Project Value	€650,000 (2022 Budget)
Duration	The Global Congress on Chemical Security and Emerging Threats (GC) is an international network of experts who work together to address the threat of chemical and explosives terrorism. Its members – chemical security practitioners – share best practices and explore innovative ways to counter the threats. The collaborative nature of the network drives discussion and joint activities across different areas of expertise. The GC plays a vital role in building a chemical security community of practice that crosses borders, sectors, and institutions. The GC seeks to operationalize the international community's combined expertise to enhance our collective ability to detect, deter, and disrupt the acquisition or use of explosive precursor chemicals and chemical weapons. The GC emphasizes development of public-private relationships between law enforcement, industry experts, policymakers, and other stakeholders,

	<p>and serves to support each of these actors' abilities to close the gaps exploited by criminals and terrorists to acquire precursor chemicals.</p> <p>In 2022, the Global Congress launched its inaugural Steering Committee. With high-level representation from law enforcement, policymakers, academia, industry, regulators, and international organizations, the formation of the Steering Committee seeks to ensure that all sector-specific perspectives, as well as a range of national perspectives, are incorporated into the development of Global Congress initiatives.</p> <p>In October 2022, 220 chemical security practitioners from more than 70 countries met at the 3rd Global Congress on Chemical Security and Emerging Threats in Marrakesh, Morocco to discuss chemical security across the supply chain and find ways of reducing vulnerabilities by enhancing multisector cooperation and collaboration.</p> <p>The GC operates the Global Knowledge Hub (GKH). The GKH is secure, online platform serves as a central mechanism to operationalize and leverage the expertise of the GC Network, fostering communication and information sharing between members.</p>
Description	<p>Achieving gender parity in Global Congress related activities remains a key priority. The co-implementing partners consistently seek to implement measures that encourage greater female participation. For the October 2022 network meeting, 30% of the speakers and moderators were female, compared to only 10% at the 2019 network meeting.</p>

Project Title	Protecting Chemical and Biological Weapons (CBW)- relevant Dual-Use Materials, Equipment, and Expertise
Partner Country/Region	Global
Implementing Country	U.S. Department of State, Office of Cooperative Threat Reduction (ISN/CTR)
Collaborating Institution(s) Partner(s)	Non-governmental organizations, universities, national laboratories
Project Value	US\$1,700,000
Duration	Ongoing since FY 2020
Description	<p>These efforts include:</p> <ul style="list-style-type: none"> • Providing open-source information that illuminates potential procurement, financial, and logistics networks supplying sensitive dual-use chemical and biological equipment, technology, dangerous pathogens, and/or weaponizable materials to the Russian Federation and its proxies for proliferation purposes and develop tailored, prompt, and actionable capacity-building activities; • Enhancing partner public and private sector capacity and coordination to help prevent illicit procurement networks, supply chains, and transshipment that may wittingly or unwittingly facilitate CBW proliferation; and

	<ul style="list-style-type: none"> • Providing awareness and best practices to networks, and communities of practice to protect expertise, research collaboration, explicit, and tacit knowledge from exploitation by the Russian Government for proliferation purposes.
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VI. CHEMICAL: NON-MONETARY CONTRIBUTIONS

Activity Title	Laboratory cooperation within the framework of the OPCW Twinning Initiative
Partner Country/Region; International Organization/Initiative	Algeria
Implementing Country	Germany
Collaborating Institution(s)/Partner(s)	Bundeswehr Research Institute for Protective Technologies and CBRN Protection (WIS) in Munster, Germany The National Institute of Criminalistics and Criminology of the National Gendarmerie (INCC/GN) in Algiers, Algeria
Duration	2021-2024
Support to Non-proliferation Instruments And Multilateral Treaties	Chemical Weapons Convention (CWC)
Narrative Description	The laboratory cooperation of Germany and Algeria aims at sharing expertise and strengthening capabilities that are required to reach the status of an OPCW Designated Laboratory.

Activity Title	Asian Export Control Seminar
Partner Country/Region; International Organization/Initiative	Asia
Implementing Country	Japan
Duration	Since 1993
Narrative Description	Japan hosts the seminar every year for persons in charge of export control in Asian countries and regions, aiming to enhance Asian and international efforts toward non-proliferation of WMD across Asia and the rest of the world by raising common awareness of the importance of security export control and establishing and enhancing export control systems.

Activity Title	OPCW Associate Program
Partner Country/Region; International Organization/Initiative	Asian Nations
Implementing Country	Japan
Collaborating	The Organisation for the Prohibition of Chemical Weapons

Institution(s)/Partner(s)	
Duration	Since 2014
Narrative Description	OPCW invites scientists, chemical engineers, and technological specialists from developing countries to take part in a capacity-building project to enhance their knowledge of the Chemical Weapons Convention and to develop the skills necessary to operate in a modern chemistry environment. Every year, Japan accepts two associates from Asian nations with a rapidly growing chemical industry for the industrial internship.

Project Title	Enhancing Chemical Security for the Hashemite Kingdom of Jordan
Partner Country/Region	Jordan
Implementing Country	United States, Department of Defense (DOD), Defense Threat Reduction
Collaborating Partner(s)	Agency (DTRA), Chemical Weapons Destruction (CWD) Program International Centre for Chemical Safety and Security (ICCSS)
Duration	2018-2019
Description	ICCSS will conduct a series of chemical security seminars and assist Jordan stakeholders to conduct a gap analysis. The gap analysis will provide an overview of the state of the chemical sector, identify the most pressing issues, recommendations for future activities, and build a future roadmap in a form of chemical safety and security confidence building measures for Jordan and the Middle East.

Activity Title	Support to CWC States Parties and CWC National Authorities to further the Implementation of Article VII of the CWC
Partner Country/Region; International Organization/Initiative	CWC States Parties in Africa
Implementing Country	United Kingdom
Collaborating Institution(s)/Partner(s)	The OPCW Technical Secretariat and Individual States Parties
Duration	Current and ongoing
Narrative Description	<p>The UK's CWC National Authority has worked closely with the OPCW Technical Secretariat and other States Parties for many years to help build capacity in the implementation of Article VI and Article VII by providing tailor made training and support to other CWC States Parties on verification and implementation measures and also to OPCW inspectors through mock inspection exercises.</p> <p>Since 2016 the UK National Authority has participated in the OPCW's Mentorship Partnership Programme and partnered with the National Authorities of Malawi, Nigeria and the Gambia. A new partnership with Zambia has recently been established for 2023. These partnerships are aimed at furthering the national implementation of the CWC through</p>

	the sharing of knowledge, experience and best practice, with a focus on key priorities such as developing national implementing legislation, strengthening the roles and functions of the National Authority, chemical safety and security and a range of wider issues.
Activity Title	Strengthening CBRNE safety and security – Coordination and Standardisation.
Nature of activity or contribution	Polish project financed by EEA/Norway Grants. Part of Polish Home Affairs Programme, Program Area Disaster Prevention and preparedness (PA23)
Partner Country/Region; International Organization/Initiative	Poland. Internal Security Agency (ABW) is the Polish Project Promoter in addition to nine relevant project partners representing Polish Agencies and Authorities. The Norwegian project partners are the Norwegian Defence Research Establishment (FFI) and the Norwegian Directorate for Civil Protection (DSB)
Implementing Country	Norway, The Norwegian Directorate for Civil Protection (DSB)
Collaborating Institution(s)/Partner(s)	Polish Internal Security Agency (ABW) Polish project partners: Institute of Immunology and Experimental Therapy Polish academy of Science (IITD PAN), Institute of Optoelectronics Military University (IOE WAT), Jagiellonian University Medical College (UJCM), National Atomic Agency (PAA), Government Centre for Security (RCB), The Main School of Fire Service (SGSP), Faculty of the Military University of Technology (WCY WAT), Ministry of Health (MZ), University of Lodz, Faculty of Biology and Environment Protection (ULO). Norwegian Project Partners; Norwegian Defence Research Establishment (FFI) and the Norwegian Directorate for Civil Protection (DSB).
Duration	2021–2024
Narrative Description	The project contributes to enhanced prevention and preparedness to chemical, biological, radiological, nuclear and explosive hazards in Poland. The project consists of 11 WP relating to <ul style="list-style-type: none"> • CBRNE incidents response system • CBRNE threats warning system • Innovative training platforms • Use of RPAS in CBRNE threats response • Innovative detection systems for biological agents • Threats resulting from availability of recipes for CBRNE agents in open sources • Developing guidelines for dealing with victims at the CBRNE event site • Forensic at the CBRNE event site • Performing functional tests of equipment and devices used to counteract the effects of CBRNE agents • Conducting trainings related to CBRNE events response

	<ul style="list-style-type: none"> • Establishments and development of the Polish CBRNE cluster • The National CBRNE Coordination and Standardisation system in Poland (KSKS CBRNE)
Activity Title	Increasing Southeast Asia’s Capacity to Detect, Deter, Disrupt Chemical WMD Events
Nature of activity or contribution	Regional awareness training
Partner Country/Region; International Organization/Initiative	Southeast Asia (Indonesia, Malaysia, Philippines)
Implementing Country	U.S. Federal Bureau of Investigation and U.S. Department of State
Duration	1 full day (2 – ½ day presentations) for each session (total of 3 days for region)
Narrative Description	<p>The Introduction to Pharmaceutical Based Agent Course is a collaborative project between the Department of State and Federal Bureau of Investigation. The FBI designed and developed an introductory course on Pharmaceutical- based Agents (PBAs) for Law Enforcement Officers, Public Health Officials, and other invited participants in Malaysia, Philippines, and Indonesia.</p> <p>Given the current threat environment and the interest exhibited by terrorist actors in acquiring chemical agents or their precursors, it is of the utmost importance that countries across the globe expand their ability to identify, disrupt, respond to, and mitigate the threats posed by these actors. Over the past few years, documentation has shown an uptick in chemical incidents or attempted incidents within countries in Southeast Asia due to size of the chemical industries in the region; the widespread availability of toxic industrial chemicals (TICs), chemical warfare agents (CWAs), and dual use chemicals; and the ever-expanding foreign fighter issue in the region.</p> <p>Malaysia, Indonesia, and the Philippines are of particular concern in Southeast Asia given the current presence of radical terrorist groups and the size and scope of the chemical industry in these countries. Additionally, fentanyl and other PBAs and their precursors have become an increasingly significant concern in the region.</p> <p>Due to the ongoing global pandemic of COVID-19 and the inability of FBI and other personnel to travel internationally, this course was designed to be presented on a virtual platform with simultaneous translation.</p>
Gender Equality	Yes, we encourage gender equity and equality throughout the student selection process, in all levels of the organizations which we invite. Through the deliveries to date, we observed that the audience was composed of gender diverse individuals.

Activity Title	Support to the OPCW
Nature of activity or contribution	Training
Partner Country/Region; International Organization/Initiative	Global
Implementing Country	Belgium
Collaborating Institution(s)/Partner(s)	Ministry of Defense, Explosive Ordnance Disposal Company (DOVO)
Duration	Annual
Support to Non-proliferation Instruments And Multilateral Treaties	Chemical Weapons Convention (CWC)
Narrative Description	On an annual basis, a training course of one week is provided to OPCW-inspectors on the identification and the safe handling of chemical weapons. This activity can be complemented with a mock inspection exercise (3 days). The activities take place in Poelkapelle, Belgium, and are organized by the Explosive Ordnance Disposal Company (DOVO) of the Ministry of Defense.

Activity Title	HEAT/SSAFE Course for OPCW inspectors
Nature of activity or contribution	Training for OPCW inspectors
Partner Country/Region; International Organization/Initiative	Global
Implementing Country	Germany
Collaborating Institution(s)/Partner(s)	Organization for the Prohibition of Chemical Weapons (OPCW)
Duration	2021-2023
Support to Non-proliferation Instruments And Multilateral Treaties	Organization for the Prohibition of Chemical Weapons (OPCW)/Chemical Weapons Convention
Narrative Description	At the German Armed Forces UN Training Centre in Hammelburg Hostile Environment Awareness Trainings (HEAT) aim at preparing OPCW inspectors for missions in potentially hostile environments. 2021 and 2022 four trainings took place. 2023 two trainings are planned.

Activity Title	Implementation of the OPCW "CBRN Basic Course" at the BABZ
Nature of activity or contribution	Organization of technical train-the-trainer courses for CBRN staff of OPCW member states (basic CWA knowledge, detection, sampling, decontamination).
Partner	Global

Country/Region; International Organization/Initiative	
Implementing Country	Germany
Collaborating Institution(s)/Partner(s)	OPCW
Duration	Seminar duration 1 week. A continuation as an annual course is aimed at.
Support to Non- proliferation Instruments And Multilateral Treaties	Organization for the Prohibition of Chemical Weapons (OPCW)
Narrative Description	<p>The Federal Office of Civil Protection and Disaster Assistance (BBK), together with the Organisation for the Prohibition of Chemical Weapons (OPCW), conducted a training course for first responders from OPCW member states. The course took place from 12 to 16 September 2022 at the BBK's Federal Academy for Civil Protection and Civil Defence (BABZ) in Bad Neuenahr- Ahrweiler. The aim of the course was to improve chemical emergency management capabilities within the national protection programmes of OPCW Member States. Experts from the BABZ and the OPCW, supported by a trainer from the Czech Institute for Civil Protection, provided the first responders with knowledge on the Chemical Weapons Convention (CWC), chemical weapons, basic principles of sampling, detection, personal protection and psychosocial effects of exposure to chemical weapons and toxic industrial chemicals.</p> <p>The theoretical part was followed by active learning and practical exercises on how to respond to a chemical attack or toxic chemical incident. The practical part focused on the use of protective equipment and the basics of chemical warfare agents. Participants also practiced conducting sampling and analysis in contaminated areas, chemical detection, decontamination and setting up an incident command and control system.</p> <p>The training was attended by 14 representatives from seven OPCW Member States: Azerbaijan, Brazil, Germany, Italy, Nigeria, Panama and Ukraine, and was financially supported by Germany.</p>

Activity Title	Implementation of the OPCW "CBRN Basic Course" at the BABZ
Nature of activity or contribution	Organization of technical train-the-trainer courses for CBRN staff of OPCW member states (basic CWA knowledge, detection, sampling, decontamination).
Partner Country/Region; International Organization/Initiative	Global
Implementing Country	Germany

Collaborating Institution(s)/Partner(s)	OPCW
Duration	Seminar duration 1 week. A continuation as an annual course is aimed at.
Support to Non-proliferation Instruments And Multilateral Treaties	Organization for the Prohibition of Chemical Weapons (OPCW)
Narrative Description	<p>The Federal Office of Civil Protection and Disaster Assistance (BBK), together with the Organisation for the Prohibition of Chemical Weapons (OPCW), conducted a training course for first responders from OPCW member states. The course took place from 12 to 16 September 2022 at the BBK's Federal Academy for Civil Protection and Civil Defence (BABZ) in Bad Neuenahr- Ahrweiler. The aim of the course was to improve chemical emergency management capabilities within the national protection programmes of OPCW Member States. Experts from the BABZ and the OPCW, supported by a trainer from the Czech Institute for Civil Protection, provided the first responders with knowledge on the Chemical Weapons Convention (CWC), chemical weapons, basic principles of sampling, detection, personal protection and psychosocial effects of exposure to chemical weapons and toxic industrial chemicals.</p> <p>The theoretical part was followed by active learning and practical exercises on how to respond to a chemical attack or toxic chemical incident. The practical part focused on the use of protective equipment and the basics of chemical warfare agents. Participants also practiced conducting sampling and analysis in contaminated areas, chemical detection, decontamination and setting up an incident command and control system.</p> <p>The training was attended by 14 representatives from seven OPCW Member States: Azerbaijan, Brazil, Germany, Italy, Nigeria, Panama and Ukraine, and was financially supported by Germany.</p>

Activity Title	Twinning Initiative under the Chemical Weapons Treaty
Partner Country/Region; International Organization/Initiative	Global
Implementing Country	The Netherlands
Collaborating Institution(s)/Partner(s)	Netherlands Organisation for Applied Scientific Research (TNO – The Netherlands)
Duration	2016-2018
Support to Non-proliferation Instruments And Multilateral Treaties	Chemical Weapons Convention (CWC)

Narrative Description	The Netherlands is supporting specific Member States of the OPCW (Organisation for the Prohibition of Chemical Weapons) in their attempts to become a designated lab by providing training and education in the field of environmental or biomedical analysis of samples provided by the OPCW, either in the framework of so-called proficiency tests or real samples.
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Activity Title	OPCW Internship Program
Nature of activity or contribution	Internship
Partner Country/Region; International Organization/Initiative	Global; countries in transition and developing countries
Implementing Country	Switzerland
Collaborating Institution(s)/Partner(s)	Swiss Federal Department of Defence, Civil Protection and Sport; Organisation for the Prohibition of Chemical Weapons (OPCW)
Duration	Each year for three months
Support to Non-proliferation Instruments And Multilateral Treaties	Chemical Weapons Convention (CWC)
Collaborating Partner Country/Region; International Organization/Initiative	Technical Secretariat of the Organisation for the Prohibition of Chemical Weapons (OPCW)
Narrative Description	Each year, Spiez Lab hosts a young scientist from a developing country or a country in transition for an internship and lab training in chemical synthesis and in analytical instruments for approximately three months.

Activity Title	OPCW Swiss Courses on Assistance and Protection (CWC Art. X)
Nature of activity or contribution	Training courses and exercises in chemical weapons emergency management and protection
Partner Country/Region; International Organization/Initiative	Global; Organisation for the Prohibition of Chemical Weapons (OPCW)
Implementing Country	Switzerland
Collaborating Institution(s)/Partner(s)	Swiss Federal Department of Defence, Civil Protection and Sport
Duration	On-going since 1998, three courses per year (2022 due to COVID-19 only two courses took place)
Support to Non-proliferation Instruments And Multilateral Treaties	Chemical Weapons Convention (CWC)
Collaborating Partner	Organisation for the Prohibition of Chemical Weapons (OPCW)

Country/Region; International Organization/Initiative	
Narrative Description	The full curriculum offered entails the Swiss Basic Course (annual), the Swiss Advanced Course (bi-annual) and the Swiss Laboratory Course (annual), as well as the Swiss Exercise Course (bi-annual). In the courses, participants train on Swiss protective equipment and other material that would be provided under Art. X of the CWC if the OPCW asks for it in case of an emergency.

Activity Title	Strengthening the verification regime of the OPCW
Nature of activity or contribution	Support to OPCW Missions; Support of the OPCW Central Analytical Database (OCAD); Provision of highly purified reference chemicals to the OPCW Laboratory; Support of Temporary Working Group of the Scientific Advisory Board (SAB); Training opportunity for future OPCW inspectors at the Schedule 1 facility for Protective Purposes.
Partner Country/Region; International Organization/Initiative	Global
Implementing Country	Switzerland
Collaborating Institution(s)/Partner(s)	Swiss Federal Department of Foreign Affairs; Swiss Federal Department of Defence, Civil Protection and Sport; Organisation for the Prohibition of Chemical Weapons (OPCW)
Duration	Ongoing
Support to Non- proliferation Instruments And Multilateral Treaties	Chemical Weapons Convention (CWC)
Narrative Description	Support to OPCW Missions: The OPCW designated Spiez Laboratory is continuously engaged in the analysis of environmental samples from various OPCW missions, including in Syria. It also regularly submits data to OCAD and provides the OPCW with reference chemicals. Furthermore, Spiez Laboratory is part of and supports the Temporary Working Group on Biotoxins of the SAB.

Activity Title	Spiez Convergence Conference
Nature of activity or contribution	Biennial conference series
Partner Country/Region; International Organization/Initiative	Global
Implementing Country	Switzerland
Collaborating Institution(s)/Partner(s)	Swiss Federal Department of Foreign Affairs; Swiss Federal Department of Defence, Civil Protection and Sport
Duration	on-going since 2014

Support to Non-proliferation Instruments And Multilateral Treaties	Chemical Weapons Convention (CWC); Biological Weapons Convention (BWC)
Narrative Description	The Spiez Convergence Conference intends to inform participants about latest advances on chemistry making biology and biology making chemistry, as well as the adoption of such advances by the biotechnology and chemical industries. Participants discuss how such developments may affect production technologies for toxic chemicals, toxins and microorganisms and assess potential implications for chemical and biological arms control.

Activity Title	UNSGM Designated Laboratories Workshop
Nature of activity or contribution	Annual experts workshop series
Partner Country/Region; International Organization/Initiative	Global
Implementing Country	Switzerland
Collaborating Institution(s)/Partner(s)	Swiss Federal Department of Foreign Affairs; Swiss Federal Department of Defence, Civil Protection and Sport; UN Office for Disarmament Affairs (UNODA)
Duration	on-going since 2015
Support to Non-proliferation Instruments And Multilateral Treaties	Secretary-General's Mechanism for Investigation of Alleged Use of Chemical and Biological Weapons; Biological Weapons Convention (BWC)
Narrative Description	The UNSGM is the only international instrument available for investigating allegations of use of biological weapons. As such, it not only adds an important capability of relevance to the BTWC in the absence of pertinent institutional resources, but also acts as a deterrent against use and thus contributes to biological threat reduction. Switzerland, together with several other UN Member States, is therefore actively supporting efforts to strengthen the operational capabilities of the Mechanism since many years.

Activity Title	ChemLock Program
Nature of activity or contribution	Technical Expertise
Partner Country/Region; International Organization/Initiative	Global
Implementing Country	U.S Department of Homeland Security/ Cybersecurity and Infrastructure Security Agency (DHS/CISA)
Duration	On-going since 2021
Narrative Description	Run by the United States Cybersecurity and Infrastructure Security Agency (CISA), ChemLock program is a completely voluntary

	<p>program that provides facilities that possess dangerous chemicals no-cost services and tools to help them better understand the risks they face and improve their chemical security posture in a way that works for their business model.</p> <p>From on-site consultations to chemical security resources, the CISA ChemLock program offers scalable, tailored options for facilities looking to enhance their chemical security posture.</p> <p>While some services are only available to United States industry, ChemLock’s online training, resources, and CISA Tabletop Exercise Packages are available globally online.</p> <p>CISA offers live virtual training to assist owners, operators, facility personnel, and retailers with understanding the threats that chemicals pose and what security measures can be put into place to reduce the risk of dangerous chemicals being weaponized. Currently, CISA offers two courses: ChemLock: Introduction to Chemical Security and ChemLock: Secure Your Chemicals Security Planning. CISA provides the ChemLock trainings online quarterly in English. The ChemLock training dates can be found at https://www.cisa.gov/chemlock-training.</p> <p>CISA’s ChemLock resources are no-cost, publicly available guidance documents, templates, fact sheets, and toolkits to help facilities enhance the cyber and physical security surrounding their chemicals. ChemLock’s Security Your Chemicals document provides facilities guidance to develop a holistic, customized, site-specific security plan that mitigates risks. ChemLock resources can be found at https://www.cisa.gov/chemlock-resources.</p> <p>ChemLock offers CISA Tabletop Exercise Packages (CTEPs), drills, and general materials to help facilities conduct exercises that are tailored specifically for chemical security. The packages are no-cost to download and include the scenario-specific situation manual, planner handbook, facilitator/evaluator handbook, and assorted forms and templates. The CTEP documents can be found at https://www.cisa.gov/chemlock-exercises.</p>
Gender Equality	<p>Every day, the women and men of CISA work with partners across the country to strengthen the backbone of United States’ national and economic security. It is a priority for CISA to inspire gender women and girls to pursue careers in cybersecurity and technology.</p>

Appendix

**REGIONAL BREAKDOWN OF GLOBAL PARTNERSHIP SPENDING
BY MAJOR CURRENCIES**

	In CAD	In USD	In EUR	In GBP
Africa	15,000,000	11,000,000	11,000,000	9,000,000
Asia	7,000,000	6,000,000	5,000,000	5,000,000
Europe	5,000,000	3,000,000	3,000,000	3,000,000
Middle East	54,000,000	41,000,000	39,000,000	34,000,000
Global	296,000,000	221,000,000	213,000,000	183,000,000
Total	377,000,000	282,000,000	271,000,000	233,000,000

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