



# Chemical Security Engagement Program

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The deliberate release of hazardous chemicals, either toxic industrial chemicals or chemical warfare agents, could cause numerous human injuries or death, along with substantial societal disruption and economic damage. The misuse of chemicals thus represents a threat to international peace and national security.

## Program Strategy:

This program will reduce the chemical threat by engaging chemical professionals worldwide through:

### *Global Cooperation*

Reducing the chemical threat by collaborating with partner governments to raise awareness about chemical security and safety, consistent with national and international guidelines, norms, and requirements.

### *International Collaboration among Chemical Professionals*

Providing funding to institutions for projects that advance the Chemical Security Engagement Program (CSP) objectives in chemical safety and security.

### *Chemical Security Projects in Industry*

Working with chemists, chemical engineers and industry representatives in the area of chemical security and safety, including training, assistance in risk assessment, and safety and security consultations.

### *Chemical Safety and Security Training*

Providing training for chemical professionals, laboratory managers, chemical industry representatives, and policy-makers on risk/vulnerability assessment and chemical safety to improve chemical security for academic institutions and entities that house, import, or export industrial chemicals.



*Participants at Cebu City Workshop*

## Partners:

- Host Governments
- Chemical Professionals
- International, National, and Regional Chemical Professional Societies
- Chemical Industry and Industrial Organizations
- International Entities Focused on Chemical Security



Participants in Baghdad Seminar



CSP Team and Local Host at Ateneo De Manila University

## History:

CSP was launched in 2007 by the U.S. Department of State, Bureau of International Security and Nonproliferation, Office of Cooperative Threat Reduction. During 2007, CSP partnered with the International Union of Pure and Applied Chemists (IUPAC), Institute of Kimia Malaysia (IKM), and the Federation of Asian Chemical Societies (FACS) to launch a highly successful chemical security and safety workshop at the 12<sup>th</sup> Asian Chemical Congress in Kuala Lumpur, Malaysia.



Train-the-trainer class in Bangkok, Thailand

### *Chemical Safety and Security Workshops in Southeast Asia*

Early in 2008, Chemical Safety and Security training modules were piloted by CSP in Manila and Cebu City, Philippines. CSP also sponsored chemical security presentations with the American Chemistry Council at the general membership meeting of the Chemical Industries Association of the Philippines (SPIK). In August, this was followed by a very successful training course for Indonesian chemists in Bali, organized by FACS and the Indonesian Chemical Society (Himpunan Kimia Indonesia, HKI). In October, CSP sponsored training for academic chemists from Mindanao in Cebu City, Philippines, followed by a workshop for Malaysian academic and industrial chemical professionals in Kuala Lumpur organized by IKM and FACS.

### *Expanding to the Middle East and North Africa*

During 2009, CSP continued working in SE Asia as well as expanding to the Middle East and North Africa. CSP sponsored a workshop in conjunction with the annual meeting of the Federation of African Societies of Chemistry (FASC) and the Egyptian Society of Analytical Chemistry in Cairo, Egypt. CSP also held a Water Treatment and Chemical Safety and Security Seminar in Baghdad, Iraq, and a workshop on Chemical Safety and Security at the Jordan University of Science and Technology in Irbid, Jordan. CSP also conducted trainings at the Université Chouaib Doukkali d'El Jadida and the Université Hassan II – Mohammedia in Morocco, and the University of Bahrain, and sponsored a workshop on Chemical Industry Security and Safety in Abu Dhabi.

### *Train-the-Trainer Classes Begin*

In October 2009, CSP held the first intensive train-the-trainer class for Chemical Safety and Security Officers (CSSOs) for chemists from the Philippines. This training is designed to promote networks of CSSOs who will develop region-appropriate best Chemical Safety and Security practices and propagate them among their colleagues. In SE Asia, CSP is collaborating with Chulalongkorn University in Bangkok, Thailand to facilitate the hands-on portions of the training. In 2010, CSP expanded its CSSO efforts into South Asia and the Middle East and North Africa. CSP also partnered with the National Research Council at the U.S. National Academies to produce *Chemical Laboratory Safety and Security: A Guide to Prudent Chemical Management* and accompanying tool kit, which has been translated into French, Arabic, and Indonesian.

### *Small and Medium Sized Chemical Companies*

In 2011, CSP developed a train-the-trainer program for Chemical Safety and Security in Industry (CSSI) which it rolled out in Southeast Asian and the Middle East. CSP has partnered with the Organization for the Prevention of Chemical Weapons (OPCW) to spread best practices in chemical management through events in India, South Africa, and Malaysia. CSP has also partnered with the U.S. Department of Agriculture Foreign Agricultural Service (USDA-FAS) and the Food and Agricultural Organization of the United Nations (FAO) to promote safe and responsible production, transportation, use, and disposal of pesticides.



Workshop in Johor Bahru, Malaysia

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