Explanatory Memorandum – Executive Summary

Global Chemical Safety and Security Summit CHEMSS2017
Shanghai, China, 19-20 September, 2017 www.chemss2017.org

BACKGROUND

Organized by the International Centre for Chemical Safety and Security (ICCSS) and China Petroleum and Chemical Industry Federation (CPCIF), CHEMSS2017 Summit will be the second global multi-stakeholder event to address chemical safety and security solutions in the whole supply chain. CHEMSS2017 brings together chemical safety and security leaders and practitioners from government, international organizations, industry, academia and civil society in an industry-oriented, science-based, and non-political forum.

CHEMSS2017 Summit is built on the work accomplished at the first global summit CHEMSS2016 (www.chemss2016.org) /Kielce, Poland, 18-20 April 2016/, which gathered over 400 participants from 47 (mainly developing) countries. CHEMSS2016 produced, inter alia, the Summit Declaration and support for global promotion of the acknowledgment the CHEM-FRIENDLY in Safety and Security in China and worldwide, which built a broad environment for the development of chemical and ecological safety and security on the local, national, regional and global levels.

CHEMSS2017 Summit will be followed by 2017 China Petroleum & Chemical International Conference (CPCIC), a yearly gathering of Chinese petroleum and chemical industries and their international partners. The organisation of CHEMSS2017 consecutively with CPCIC confirms a synergy of efforts to globalize chemical safety and security with Chinese approaches to meet the highest standards in chemical safety and security and confirms global reach of Chinese petroleum and chemical industries.

CHEMSS2017 Summit seeks to enhance global chemical safety and security NOT by new regulations or standards but by promoting, operationalizing and internationalizing the existing national and international best practices, trainings, practices and technical solutions, and promoting a positive image and approach of chemical industry and stakeholders.

CHEMSS2017 Summit will further develop the global chemical safety and security community and seek the development of a global chemical and ecological safety and security market.

SUMMIT CO-ORGANIZERS

The International Centre for Chemical Safety and Security (ICCSS) – www.iccss.eu was established in October 2012 as an independent non-profit organization, based in Warsaw, Poland. The ICCSS supports the development of national and international networks of chemical safety and security officers from national agencies, international organizations, industries, and civil society.

China Petroleum and Chemical Industry Federation - www.cpcia.org.cn is a non-government, not-for-profit organization consisting of companies, institutes, sectional associations and local associations in the petroleum and chemical industry on the voluntary basis. It is the umbrella organization that provides service and implements certain administrative functions within this industry on the national level.

Working together to enhance chemical safety and security globally
CHEMSS2017 PROGRAM

CHEMSS2017 Summit programme will be divided into three areas: a congress divided in 6 thematic streams, with statements, lectures and presentations, an exchange forum with demonstrations, best practices exchanges and trainings, and an exhibition with modern Chinese and international solutions and state-of-the-art in chemical and environmental safety and security.

CHEMSS2017 PROGRAMME COMMITTEE will continue the work of the CHEMSS2016 Programme Committee, which included the representatives in personal capacity of all CHEMSS2016 stakeholders from around the world, and will assist in developing the Summit and running the substantive activities. The committee will be co-chaired by Amb. Krzysztof Paturej, ICCSS President (e-mail: k.paturej@iccss.eu) and/or Mr. PANG Guanglian, CPCIF Director-General (e-mail: cpcif.pang@gmail.com).

MEDIA PROMOTION AND ON-SITE COMMUNICATION ACTIVITIES

ICCSS and CPCIF will undertake a vigorous campaign of joint activities to promote participation in the Global Summit and Fair and raise the profile of chemical safety and security as important elements of international development, security, and environmental protection. The event will be promoted online in multiple languages and with targeted media outreach in Africa, Asia, Europe, the Middle East, and North America. On-site at the CHEMSS2017 Summit there will be a full-service media centre and activities of participants will be chronicled with live webcasts, video interviews, podcasts and professional photography, which will be published and made available to participants via the ICCSS and CPCIF webs and social media sites.

SUPPORT and COOPERATION

The ICCSS and CPCIF invite national and international partners, governments, industries and academia to join the CHEMSS2017 Summit as co-organizers, sponsors and supporters of this second global chemical safety and security gathering. To support the Summit are invited to contact directly:

Amb. Krzysztof Paturej, ICCSS President at ICCSS (e-mail: k.paturej@iccss.eu)

Mr. PANG Guanglian, Director-General of CPCIF (e-mail: cpcif.pang@gmail.com.)

CHEMSS2017 EXPLANATORY MEMORANDUM

BACKGROUND INFORMATION

CHEMSS2017 Summit it will bring together leaders and practitioners in all the various disciplines of chemical safety and security and from all stakeholder communities, inter alia, government, international organizations, industry, academia and civil society.

CHEMSS2017 Summit reflects the need for global, coherent, synergistic and whole-society and whole-government approaches to chemical safety and security. The Summit is not government-led but rather a grassroots initiative by those who are directly engaged in the business of chemical safety and security, with governments supporting the event in partnership with industry, academia and civil society.
CHEMSS2017 Summit remains a global event, free from political exclusion which involved leaders and practitioners in all the various disciplines of chemical safety and security and from all stakeholder communities, inter alia, government, international organizations, industry, academia and civil society, and enhanced safety and security culture to meet the requirements of chemical industry.

The underlying belief of the CHEMSS2017 is the view that ensuring chemical safety and security and complying with environmental protection standards are essential conditions in the research, manufacturing and trade of chemicals and are increasingly linked with internal and external security, public health protection, economic and trade cooperation, development and humanitarian policies. Strengthening chemical and environmental safety and security also is seen as an important element of critical infrastructure protection. The Summit will offer global promotion and implementation of the International Council of Chemical Associations’ Responsible Care and Security Code.

The Summit will be a truly global event, free from political exclusion. ICCSS has mitigated the political differences and tensions surrounding chemical safety and security by removing divisive political concepts from the Summit programme. Political differences and tensions over these issues continue to hamper the development of global solutions in nuclear and biological safety and security.

The Summit will not seek to generate new regulations or standards, but rather to internationalize and operationalize the best existing solutions and best practices in chemical safety and security through the whole chain of chemical activities. A main objective will be to share the experiences gained in globally promoting and implementing the ICCA Responsible Care and Security Code.

The Summit programme will encompass a broad range of areas for enhancing safety and security in the peaceful uses of chemistry. It will promote the view that complying with environmental protection standards and ensuring chemical safety and security has become an important condition in the research, manufacturing and trade of chemicals. Chemical safety and security and environmental protection are increasingly interlinked with internal and external security, public health protection, economic and trade cooperation, and development and humanitarian policies. Strengthening chemical safety and security is an important element of critical infrastructure protection.

CHEMSS2017 OBJECTIVES

- Create a forum for the exchange of experience, ideas and knowledge among national and international organizations active in chemical safety and security to enhance chemical and environmental safety and security;
- Strengthen international cooperation in promoting global chemical safety and security culture;
- Promote implementation of the Chemical Weapons Convention and of United Nations Security Council Resolution 1540 (2004);
- Bring together companies that are producing state-of-the-art solutions to improve chemical and environmental safety and security in the whole chain of production, use and disposal of chemicals;
- Familiarize participants with the latest technical solutions, safety and security technologies and equipment available on the market;
- Hear industry’s views and activities for enhancing chemical and environmental safety and security;
- Promote the Responsible Care programme and Responsible Care Security Code;
- Promote the acknowledgment the CHEM-FRIENDLY in Safety and Security in China and worldwide;
• Offer demonstrations, trainings and best practices exchanges in all areas of chemical safety and security;
• Promote effective national implementation of chemical conventions, including: the Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade; the Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal; the Stockholm Convention on Persistent Organic Pollutants; and Convention on the Transboundary Effects of Industrial Accidents;
• Promote implementation of WHO’s International Health Regulations (IHR 2005) to detect, assess, report and respond to health events of international concern;
• Promote adherence to the Strategic Approach to International Chemicals Management (SAICM) and the Inter-Organisation Programme for the Sound Management of Chemicals (IOMC), and highlight efforts to ensure sound management of chemicals;

**STRUCTURE**

The Summit will be organized in three parallel areas of activities. **Area One** will be the conference activities of the Global Chemical Safety and Security Summit; **Area Two** an exchange forum with demonstrations, best practices exchanges and trainings; and **Area Three** a fair with exhibition activities. These activities will all run in close physical proximity to each other.

**Area One**

The Summit will begin with sessions in 6 thematic streams attended by senior national, international and industry officials:

STREAM 1: CHEMSS Facilities Safety And Security - Safety And Security of Chemical Facilities and Reduce the Risks of Chemicals to Local Communities, including Regulatory Programs and Industry Approaches; Process Safety

STREAM 2: CHEMSS Emergency Response and Industry Led Programs to Assist First Responders During a Hazmat Incidents

STREAM 3: CHEMSS Education and R&D Network; Human Resources – Developing Skills and Talent Acquisition

STREAM 4: CHEMSS Logistics - Chemical Safety and Security In the Road, Rail and Sea Transportation and Storage of Chemicals and Petrochemicals

STREAM 5: CHEMSS Cyber Security – Increasing Resilience and Preventing Chemical and Petrochemical Sites from Cyber Attacks

STREAM 6: Sustainable Chemistry. New Paradigms in a Green Economy; CHEMSS Responsible Agriculture - for the safe and secure handling of fertilizers.

**Area Two**

The exchange forum will offer practical demonstrations, best practices exchanges, training and discussions among specialists:
• Documents, publications and media articles on chemical safety and security, ecological safety, and efforts to prevent misuse of toxic chemicals;
• Demonstrations, training activities, inspections, sampling and analysis equipment, lessons learned, experiences of national and international organizations;
• Activities by international and national agencies in prevention, preparedness and capacity building against the malicious use of toxic chemicals;
• Safety and security programs of national agencies and industry, including chemical associations
• IT solutions and measures against cyberterrorism;
• Small-scale joint drills and table-top exercises on response to a threat or attack on chemical installations.

Area Three

The International Chemical Safety and Security Exhibition will run parallel to the deliberations of the Summit and showcase state-of-the-art technology in a) chemical safety and security in chemical industry, b) assistance and protection, c) safety and security of transportation of toxic chemicals, d) threat detection, protection and response, and e) management and utilization of toxic chemicals and waste. The Fair’s aim is to globalize the market for state-of-the-art technology and services in chemical safety and security by bringing together commercial and non-commercial companies with government agencies, international organizations, emergency responders, laboratories, and industry. It will serve as a vehicle for interaction between governments, national agencies and international institutions and entities that are involved in emergency response to chemical incidents, and reinforce the goals of the Summit by focusing on the following areas:

• Risk assessment, planning and management tools for response operations;
• Safety and security equipment, and tools of chemical industry for transportation of hazardous materials;
• Sampling, analytical instrumentation and procedures, and laboratory demonstrations;
• Detection, monitoring, warning and protection equipment;
• Medical countermeasures;
• Search and rescue equipment;
• Operational procedures, training, and education;
• Food and animal safety and security;
• Cyber-security.

A High Level Joint Plenary Session with 2017 China Petroleum & Chemical International Conference (CPCIC) will be organized on 20th September, to provide feedback from the thematic forums and assessments made of their outcomes in the overall context of the Summit. The Joint Plenary Session will be addressed by senior national, industry, academia representatives. The Plenary Session will adopt the CHEMSS2017 SHANGHAI Declaration on enhancing chemical safety and security and sustainable chemistry. The CHEMSS EDU NETWORK and an International Board for Chemical Safety and Security will be officially launched.

STAKEHOLDERS AND INVITED AUDIENCES

• Governments, national regulatory bodies and law enforcement, border and customs officials
• Chemical industry, its trade associations (CEFIC, ICCA), chemical companies, and safety and security initiatives promoted by chemical industry (e.g. Responsible Care®)
• Companies offering state-of-the-art technology in chemical safety and security in chemical industry and whole chain of use of toxic chemicals
• OPCW National Authorities and Member State delegates
• Governmental agencies and laboratories involved in monitoring/supervision of activities in the sphere of national implementation and control of toxic chemicals
• Governmental agencies that provide assistance in cases of use of chemical weapons or malicious use of toxic chemicals
• National and international organizations with responsibilities in emergency response and incident consequence management
• Academic institutions, research centers and laboratories
• Private companies producing state-of-the-art technologies to improve chemical safety and security
• Independent experts in CBRN security
• International organizations active in:
  ➢ CBRN security (UN, OPCW, EU, NATO, IAEA, UN 1540 Committee)
  ➢ Promoting chemical safety (SAICM and IOMC)
  ➢ International health regulations and incident consequence management (OCHA, IAEA, WHO, UNHCR, International Red Cross and Red Crescent Movement-IFRC)
  ➢ Chemical safety, protection of environment, food and animal safety and security (WHO, FAO, OIE, INFOSAN, WCO, WMO, UNEP, UNIDO).

**EXPECTED OUTCOMES AND RESULTS**

The CHEMSS2017 Summit will continue CHEMSS major role as a permanent platform for structured multi-stakeholder dialogue and a feedback loop for governments, industry and academia. Its deliberations will be made available through a dedicated website for the Summit and maintained thereafter to allow interactive communication by the national and international chemical safety and security community.

CHEMSS activities will complement existing mechanisms for enhancing chemical safety and security and will promote Chemical, Biological, Radiological and Nuclear (CBRN) security. The ICCSS serves as a focal point in this process, as co-organizer of the Summit and as a partner in developing CHEMSS2017 follow-on feedback and dialogue among governments, industry, academia and civil society.

The Summit will transform the CHEMSS2017 Program Committee into a permanent International Board on Chemical Safety and Security.

The Summit will continue to award CHEMSS Milestone Award in Chemical Safety And Security for accomplishments in the areas chemical safety and security.

The Summit will introduce, operationalize and internationalize new programs and activities in the areas of chemical safety and security, including inter alia:
• The CHEMSS EDUCATION and R&D NETWORK
• An International Board for Chemical Safety and Security;
• The concept of Chemical Safety and Security Confidence Building Measures in the Middle East;
• The first edition of a CHEMSS handbook on chemical safety and security table-top training;
• The Local Responsibility in Chemical Safety and Security programme to promote development of local chemical safety and security cultures worldwide;
• Platforms for local cooperation in responding to chemical hazards and providing assistance to Small and Medium Enterprises (SMEs).