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Strengthening chemical and biological waste management in Central Asia countries for improved security and safety risk mitigation

Project 65 — CABICHEM

IFS/2017/388-397

MAIN ACTIVITIES

WP1 – Legislative, regulatory and procedural framework, including the waste management manual

- Inception phase for the identification of national partners and stakeholders
- Review of existing legislation and regulations on management of chemical and biological waste in partner countries
- Site visits and countries' assessment
- Compilation of international guidelines and Manual on waste management
- Organisation of intensive Regional Workshops

WP2 – Waste management bodies

- Identification of responsible bodies in waste management
- Exchange of experiences to implement tailored recommendations

WP3 – Defining TORs for Equipping sites/facilities/labs

- Identification of major active chemical and/or biological sites/facilities/laboratories involving procedural issues

- Provision of technical specifications for equipment and materials

WP4 – Awareness raising and training in sites/facilities/labs

- Awareness raising on chemical and biological waste management
- Implementation of a sustainable training system for lifelong learning

WP5 – Non site/lab/facility hazardous waste

- Review of current practices in hazardous waste management non-related to specific sites and facilities
- Awareness raising in general public of safety and security issues with chemical and biological waste, and related aspects

WP6 – Preparation of sites remediation/management

- Inventory of current and historic dump and burial sites and abandoned industrial sites with chemical and biological waste, including e-waste

- Definition of innovative methods for detecting and mapping the burial sites of untreated chemical fertilisers and other harmful substances

- Characterisation and quantification of waste materials and substances and systematic assessment of safety risks and security threats linked to hazardous sites

- Feasibility study on possible remediation/management of problematic sites to evaluate their practical implementation

WP7 – Hazardous Wastes consultation group

- Establishment of a regional technical consultation group aimed at exchanging experience/practices in C and B waste issues

WP8 – Coordination with ongoing projects

- Coordination with ongoing national, regional and international projects/programmes

PROJECT 65 IN BRIEF

- *Three-year project started in January 2018*
- *Launching event in Dushanbe in March 2018*
- *8 Work Packages addressed to Kyrgyzstan, Mongolia, Pakistan, Tajikistan, Uzbekistan*
- *Provision of awareness raising activities on chemical and biological waste management*
- *Implementation of a sustainable training system for lifelong learning*
- *Feasibility studies for deploying a possible remediation/management of problematic sites*
- *Establishment of a regional technical consultation group*

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PROJECT PARTNERS



Military Institute of Chemistry and Radiometry - MICHIR (PL) - Coordinator

The Military Institute of Chemistry and Radiometry is a Scientific and Research Centre of the Polish Ministry of National Defense, established in 1954. Main scope of the activity of the Institute is scientific research and development projects and studies in the field of NBC defense equipment and systems as well as verification of the chemical disarmament processes. The Institute is authorised to issue expertise, opinions and certificates for products and technologies related to their specialisation, as well as to carry out the testing equipment and conduct training activities. It provides support with three departments responsible for following research and development works, i.e. the Department of CBRN Protection, the Department of CBRN Reconnaissance and Decontamination and the Department of Radiometry and Camouflage.

Website: www.wichir.waw.pl



Fondazione FORMIT (IT) - Partner

FORMIT is a non-profit corporate body recognised by the Italian Minister for Research. Established in 1985 and with consultative status granted in 2004 by the Economic and Social Council of the United Nations, it supports National and Local Public Administrations, the European Commission, the European Committee of the Regions and the United Nations, amongst others, for the definition of policies and related actions in the Security and Innovation field. Since more than 30 years FORMIT operates through its approaches, methodologies and tools with a qualified multidisciplinary team based in Rome. In the capacity building area, FORMIT made use of its technical, legal and economic competencies and of its Training Centre and eLearning platform to design, implement and monitor Training courses.

Website: www.formit.org



Istituto di Scienze e Tecnologie Molecolari – ISTM—CNR (IT) - Partner

The Institute of Molecular Science and Technologies (ISTM) was established on September 2000 by merging seven CNR Research Centres. It is a distinguishing feature of the ISTM activity to cover the most relevant fields of chemical sciences, as ISTM staff is engaged in research into the following fields: Theoretical and Experimental Modeling of Molecular and Nanostructured Systems; Design, Synthesis and Characterisation of Precursors and Functional Molecules; Development and application of new technologies to chemistry, material science, informatics, telecommunications, and safeguard of cultural heritage.

The ISTM is characterised by a strong interaction with the academic world, which comes straight from the long lasting cooperation established by the abovementioned Research Centres with the University Departments.

Website: www.istm.cnr.it



Military Institute of Hygiene and Epidemiology - MIHE (PL) - Partner

MIHE is an independent, public, non-profit R&D entity whose mission is to conduct research, prophylaxis, surveillance and training associated with medical protection and countermeasures against the use of weapons of mass destruction (WMD), including CBRN agents. MIHE has more than 67 years of experience in countermeasures against the use of weapons of mass destruction, including biological, chemical, radiological and nuclear agents. The institute has collaborated with WHO, INTERPOL, OPCW, OIE, IAP and other organisations acting in the field.

Website: www.wihe.waw.pl



Fondazione Alessandro Volta – FAV (IT) - Partner

Fondazione Alessandro Volta (FAV) is a non-profit and non-governmental organisation operating as a global network of international experts supporting global security, disarmament and cooperation. It has a twenty-plus year history and its programmes include research on international CBRN safety and security risk mitigation; scientific and technologic cooperation for global peace support and international security; disarmament and nonproliferation of Weapons of Mass Destruction; and water and energy security. FAV has been involved in biological, chemical, radiological and nuclear proliferation and security risk mitigation since 1997.

Website: www.fondazionealessandrovolta.it

Team Leader — **Yaugen Ryzhykau**

Key Expert 2 (Chemical Waste Management) — **Leslaw Gorniak**

Key Expert 3 (Biological Waste management) — **Marcin Niemcewicz**



For more information, please visit www.cabichem.eu



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