**IMSMA: Historic Reports**

**New Reports.**

**Long Range Assets:**
- Satellite Assets:
  - SAR, Multispectral, Optical Satellite Sensors
  - Land Usage Map

**Long Range Surface:**
- Environment Scanning:
  - Surface Scanning
  - HD Imagery.
  - Soil Occupancy.

**Interviews with Local Population.**

**Close In-Stand Off:**
- 3D Model of the Area of Interests.
- Detection of Man Made Objects.
- Thermal Scan

**Close In:**
- Commercial tools: MD, GPR.
- Interface with MD.
- Sensor Data Fusion.

[www.d-boxproject.eu](http://www.d-boxproject.eu)
AIM

In order to ensure sustained impact on the demining community and value to the general public, but also to support the EU Security facing EH threats (and possibly CBRNE threats) and to welcome, in particular, Experts in Explosive-related issues, it is proposed to create a EUROPEAN COUNTER EXPLOSIVE HAZARDS COMMUNITY OF EXPERTS (C-EH CE).
The CE integrated in the existing ICI

- **The International CBRNE Institute** (located in Belgium) has the status of an international NPO accredited by the Belgian Government.
- It has been funded by Hotzone Solutions Group (The Netherlands) and is currently in a process to be proposed by Belgium as a Centre of Assistance and Protection for the OPCW (ORGANISATION FOR THE PROHIBITION OF CHEMICAL WEAPONS)
- Our structure has been integrated in the ICI structure
The C-EH CE as Community of Experts integrated in ICI

Explosives Knowledge Centre – EKC-Management
TTF1 – ECSA POC

TIRAMISU POCs

D-BOX POCs

TTF1 – 4: Practitioners Requirements – GICHD POC

TTF 2: EVALUATION:
HCR-CTRO+

TTF 3 TRAINING: CSIC–CID, Nato C-IED

* Candidates T.B.C General assembly June 2016
The ICI

Yves DUBUCQ
Managing Director
Hotzone Solutions Group
Organizational Chart

HZS Group

HZT
(HZS Technologies)

HZS Int

ICI (INPO)
International CBRNE Institute (ICI)
International Non Profit Organization (INPO) established in October 2013
a Hotzone Solutions Group initiative
Historical Background

The International CBRNE Institute (ICI) was established in partnership with the municipality of Les Bons Villers, Belgium. The Royal Decree incorporating the ICI, as an independent International Non-Profit Organization, was granted on 30 August 2013.

The ICI was officially inaugurated on 5 October 2013 by Ms Agnes Marcaillou (Director of the United Nations Mine Action Service (UNMAS)), Mr Wart (Mayor Les Bons Villers), Mr Mattmann & Mr Rothbacher (co-directors of HZS).
Mission of the ICI

- The ICI’s primary aim is to enhance CBRNE risk mitigation at the regional, national and international levels.
- It engages in a range of CBRNE-related activities such as:
  - developing and supporting academic and policy-related research;
  - organising conferences, seminars and workshops;
  - contributing to professional development for responders (basic to command levels).
- Being one of the sources of independent CBRNE expertise, the ICI’s Expert Knowledge Centre aims at promoting best practices, standards, and
ICI Implications:

Chemical Weapons Convention Coalition Member (CWCC)

- The CWC coalition is an independent, international body supporting the aims of the CWC and supplementing the efforts of the Member States of the OPCW, with focused civil society action aimed at:
  - achieving full membership of the CWC
  - the safe and timely elimination of all chemical weapons
  - preventing the misuse of chemicals for hostile purposes
  - promoting their peaceful use
The ICI as an OPCW Training Centre

In the framework of Article X of the Chemical Weapons Convention and the Secretariat proposal on the regional assistance-and-protection concept, the Belgian authorities are about to propose the ICI as a Training Centre for the OPCW

ICI Possible Support to Training Activities of the OPCW

- Assistance and protection activities under Article X of the CWC
- Basic course in assistance and protection against CW
- Advanced course in assistance and protection against CW
- Course on sampling and identification of chemical agents (SICA)
- Train-the-trainers live agent training
- Provision of qualified instructors for various assistance and protection activities of the OPCW
- Non-Destructive Examination (NDE) advanced course
- LAT courses support (basic, advanced and scenario-based), including LAT safety training requested at short notice, which could be done by HZS
- Scenario and exercise scripts drafting
Activities of the ICI

- Organization of CBRNE related workshops, conferences and seminars
- Research and development in CBRNE protective measures
- Publications of CBRNE related materials via research & test reports
- Provision of basic and advanced CBRNE Workshop seminars
- Consultancy on CBRNE matters
LOCATION: Les Bons Villers, Belgium
ICI Budget is Covered by:

- From basic to advanced
- National & international partners
- Mainly for international organizations
- Including R & D

Seminars
Conferences & symposia
Subsidies & sponsorship
Expertise & consultancy
The ICI in Pictures
Meeting Rooms
Last Activities …

- New cooperation
- International workshop
- Course and Training
- Seminars
Nikola Pavković
HCR-CTRO d.o.o. (CRO)

Role: Education and training (TTF 2-3 and steering Committee)

- Nikola Pavković (Male) has more than 15 years of experience in the Security domain.
- EOQ Quality Systems Manager
- From 2003 director of Croatian Mine Action Centre - Centre for Testing, Development and Training
- From 2011 Cluster for Humanitarian Demining – President of the Board
- 2008-2011 Cluster for Humanitarian Demining – Director
- 1999-2003 Croatian Mine Action Centre - Deputy Director

MA in political science.
SECOND STEP - INITIATIVES

R&D: SHINING
EVAL-VALIDATION: CWA
TRAINING: CSIC-ICI-CTRO
PRACTITIONER’S REQUESTS: ECHEC
R&D&A: DISSUASIVE
European Counter Hazardous Explosive Threats Community of Experts

ECHEC

Beside the tools specifically developed for Mine actions, it’s quite essential to face new challenges: April 2016, new countries have been affected by the plague of disseminated unexploded devices, landmines but also cluster munitions (now directly concerned by the OSLO treaty). New dangers arise in some North African Countries, Middle East and Asian Countries, called Improvised Explosive Devices (IED) and slowing the difficult tasks of Deminers; Furthermore a lot of Chemical precursors allow the dangerous spread of Explosive threats. Therefore, the ICI/EKC will invite Experts in Explosive to join our Community and answer the European SECURITY calls focusing on the improvement of efficient tools.

SEC 21 GM 2016-2017
Participatory research and innovation via Science Shops (read [http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/2258-swafs-01-2016.html](http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/2258-swafs-01-2016.html)): This topic will provide support to universities, and other research performers, to establish or strengthen science shops throughout Europe, and beyond. Science shops will serve to demonstrate how students and researchers can assist communities tackle real life problems or explore opportunities for sustainable futures. With support of the ICI/EKC, we suggest to improve synergies between all Centres focusing on the Humanitarian Demining in view of the Systems and Security challenges of the European Union.

Swafs-01-2016
Proposal for a New Framework for the Acceptance Test and Evaluation of Demining Machines not designed to detonate hazards

TIRAMISU Initiative

CTRO-HCR

RMA
OPERATORS’ E-TRAINING: trainer-simulator for demining vehicle (IMM)
MANAGERS’ E-TRAINING: computer application composed of knowledge test and practical exercises (IMM)

INTELLIGENT FEEDBACK PRODDER for improving the training activities of demining operations carried out with prodders. (CSIC)

E-TRAINING TOOLS FOR AGS AND NTS: understanding T-REX, T-MAP, T-AIDSS, T-PRIORITY (CSIC)


EOD TRAINING: www.ctro.hr (CTRO-HCR)
COMPREHENSIVE CONTINUED DEVELOPMENT AND IMPLEMENTATIONS OF SURVEILLANCE ACTIONS AGAINST IMPROVISED EXPLOSIVE THREATS
SEC FCT 11 2016
DLR (Germany) - (EDA link)
CONTACT US

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