



INTERNATIONAL SYMPOSIUM HUMANITARIAN DEMINING 2010



Sibenik,
Republic of Croatia,
27th -29th of April 2010

PRELIMINARY SYMPOSIUM AGENDA

MONDAY, 26th April 2010

14.00-19.00 ARRIVAL AND REGISTRATION OF PARTICIPANTS
14.00-19.00 SETTING UP OF POSTERS
19.00 WELCOME DRINK

TUESDAY, 27th April 2010

07.00- ARRIVAL AND REGISTRATION OF PARTICIPANTS
07.00- SETTING UP OF POSTERS

08.30 -09.00 OPENING OF THE SYMPOSIUM

09.00 – 09.45 USE OF DEMINING MACHINES

MODERATORS: Oto Jungwirth, CROMAC; Frank Abel, GICHD

09.00 – 09.15 Frank Abel; "Use of Machines in Mine Action"
09.15 – 09.30 Nikola Pavković; "Influence of Tests and Proper Functioning Control on the Quality of Mechanical Demining"
09.30 – 09.45 Tomislav Ban; "Quality Assurance During Use of Demining Machines"

09.45 – 10.30 MINES AND UXO DETECTION DEVICES

MODERATORS: Erik Tollefsen, GICHD; Jun Ishikawa, Tokyo Denki University;

09.45 – 10.00 Erik Tollefsen; " Emerging technology, methodology and testing to enhance operational performance and selection of appropriate detection systems in landmine and ERW clearance"
10.00 – 10.15 Kazunori Takahashi "ITEP Dual Sensor Test in Germany"
10.15 – 10.30 Jun Ishikawa; „A Study on Prodding Detection of Antipersonnel Landmine Using Active Sensing Prodder“

10.30 – 11.05 COFFEE BREAK

11.05 – 11.50 USE OF MINE DETECTION DOGS

MODERATORS: Ashley Williams; MECHEM; Mirko Ivanušić, CROMAC; Nermin Hadžimujagić, MDDC

11.05 – 11.20 Ashley Williams: „The Anomalies, Perceptions and Contradictions that Exist in the Use of Dogs in Demining“

11.20 – 11.35 Mirko Ivanušić: „Use of Dog-Handler Teams in Humanitarian Demining in the Republic of Croatia“

11.35 – 11.50 Nermin Hadžimujagić: „Effects of Inadequate Care for Mine Detection Dogs on MDD Performance Quality in Mine Action Activities“

11.50 – 12.50 USE OF NEW TECHNOLOGIES AS DECISION SUPPORT IN DEFINING MSA

MODERATORS: Milan Bajić, HCR-CTRO Scientific Council; Thomas Bouvet, European Space Agency

11.50 – 12.10 Milan Bajić: „From the Concept to Operational Airborne Remote Sensing System and the Suspected Hazardous Area Assessment“

12.10 – 12.30 Avi Buzaglo Yoresh; „Mine Detection by Air Photography“

12.30 – 12.50 Thomas Bouvet; " MineFree: Space Assets for Demining Assistance“

12.50 – 14.00 LUNCH

16.30 – 18.30 WORKSHOP No. 1: MINES AND UXO DETECTION DEVICES

MODERATORS: Erik Tollefsen, GICHD; Jun Ishikawa, Tokyo Denki University;

16.30 – 16.45 Kazunori Takahashi; „Soil Characterisation and Performance of Demining Sensors“

16.45 – 17.00 Motoyuki Sato; " ALIS Evaluation Test by CROMAC and CMAC in 2009."

17.00 – 17.15 Stephen B. Achal; "Gradual Dispersal of Explosives by Ants and its Possible Implication for Smart-Landmine Production“

17.15 – 17.30 Adrian King; "IEDs and Their Impact on Mine Action"

17.30 – 18.30 Discussion on presented papers, exchange of experiences, proposals and conclusions.

16.30 – 18.30 WORKSHOP No. 2: USE OF NEW TECHNOLOGIES AS DECISION SUPPORT IN DEFINING MSA

MODERATORS: Milan Bajić, HCR-CTRO Scientific Council; Thomas Bouvet, European Space Agency

16.30 – 16.45 Heinrich Meurer; „An Emerging Remote Sensing Technology and its Potential Impact on Mine Action“

16.45 – 17.00 Edward Cross; Aircraft Mounted Ground Penetrating Synthetic Aperture Radar

17.00 – 17.15 Andrija Krtalić; „Decision Support to Experts for Better Defining and Reduction of Mine Suspected Areas“

17.15 – 17.30 Andrija Krtalić; „Statistical Processing of Minefield Records“

17.30 – 18.30 Discussion on presented papers, exchange of experiences, proposals and conclusions.

19.30 DINNER HOSTED BY HCR-CTRO

WEDNESDAY, 28th April 2010

08.00-15.00 INTRODUCTION OF MANUFACTURERS, DEMONSTRATION OF MACHINES AND MINE DETECTION DOGS

MODERATORS: 1. **Nikola Gambiroža**, HCR; **Ivan Šteker**, HCR-CTRO, **Tomislav Ban**, HCR

08.00 DEPARTURE FOR THE DEMONSTRATION SITE
09.00 ARRIVAL TO THE DEMONSTRATION SITE
09.00-10.00 INTRODUCTION OF MACHINES, UNMANNED AERIAL VEHICLE AND A DOG SCHOOL
10.00-12.30 DEMONSTRATION

DEMINEING MACHINES: **BOŽENA-5+**; **DALMATINO**; **DIGGER D-3**; **FREELAND 3000**;
MINI MINEWOLF 240; **MV-4**; **MV-10**; **PT 400**; **VF 001**, **VF 100**
DOG SCHOOL: **PIPER d.o.o.**
METAL DETECTORS: **CEIA**; **EBINGER**; **VALLON**
UAV: **SKY WATCH**

12.30 - 13.30 **FIELD LUNCH**

13.30-14.00 INSPECTION OF MECHANICALLY TREATED SOIL AND QUALITY CONTROL
14.00 RETURN TO THE HOTEL

15.00 - 19.00 **VIEWING OF THE EXHIBITED EQUIPMENT, CONTACTS WITH MANUFACTURERS, SPECIAL ACTIVITIES, SPECIAL PRESENTATIONS**

- manufacturers of demining machines, metal detectors, protective equipment,
- mine detection dogs schools,
- testing and training centres,

EXHIBITORS: AVANGARD d.o.o.; BOROVO d.d.; CEIA S.p.A; DOK-ING d.o.o.; DIGGER DTR; EBINGER; FAE GROUP S.p.A; ISTRAŽIVAČ d.o.o.; MDR COMPLETE DEMINEING; MINOTEHNIKA d.o.o.; MINEWOLF SYSTEM GmbH; MINESEEKER; VALLON GmbH; SKY WATCH; ŠESTAN-BUSCH d.o.o.; WAY INDUSTRY,a.s.

17.00 – 18.30 **WORKSHOP No. 3: USE OF DEMINEING MACHINES**

MODERATORS: **Frank Abel**, GICHD; **Dinko Mikulić**, HCR-CTRO Scientific Council

17.00 – 17.15 Emanuela Cepolina; "Appropriate Technologies in Humanitarian Demining: Potential Impact of Participatory Re-designed Agricultural Machines and Tools"

17.15 – 17.30 Heinz Rath; „Future Development Trends in Mechanical Demining Systems“

17.30 – 17.45 Theo van Dyck "Measurement of Impulse Imparted by the Detonation of Anti-tank Mines by Using the VLIP Technique"

17.45 – 18.30 Discussion on presented papers, exchange of experiences, proposals and conclusions

17.00 – 18.30 **WORKSHOP No. 4: USE OF MINE DETECTION DOGS**

MODERATORS: **Ashley Williams**, MECHEM; **Mirko Ivanušić**, CROMAC; **Nermin Hadžimujagić**, MDDC

17.00 – 17.20 Johannes Slabbert: "The Selection, Training and Deployment of Mine Detection Dogs (MDD's), and Measures to Keep this Important Asset in Optimal Working Condition Through Proper Care and Welfare Programs."

17.20 – 18.30 Discussion on presented papers, exchange of experiences, proposals and conclusions

THURSDAY, 29th April 2010

08.30 – 12.00

PLENARY SESSION

MODERATORS: **Oto Jungwirth**, CROMAC; **Erik Tollefsen**, GICHD; **Milan Bajić**, HCR-CTRO Scientific Council; **Ashley Williams**, MECHEM;

08.30 – 08.45 Mine action in Bosnia and Herzegovina (video footage)

08.45 – 09.00 Said Megahed; " Egypt Landmine Problem: History, Facts, Difficulties and Clearance Efforts""

09.00 – 09.15 Ashley Williams; " The Dilemma of Research and Development for Commercial Demining Companies: a MECHEM Perspective"

09.15 – 11.30 WORKSHOP REPORTS:

WORKSHOP No. 1: MINES AND UXO DETECTION DEVICES, Erik Tollefsen, GICHD

WORKSHOP No. 2: USE OF NEW TECHNOLOGIES AS DECISION SUPPORT IN DEFINING MSA,
Milan Bajić, HCR-CTRO Scientific Council

10.00 – 10.30

COFFEE BREAK

WORKSHOP No. 3: USE OF DEMINING MACHINES, Frank Abel, GICHD

WORKSHOP No. 4: USE OF MINE DETECTION DOGS, Ashley Williams, MECHEM

11.30 - 12.30

WRAP UP AND ADJOURN, CONCLUSIONS

12.30 - 17.00

VIEWING OF EXHIBITED EQUIPMENT, CONTACTS WITH MANUFACTURERS, ADDITIONAL ACTIVITIES - SPECIAL EXHIBITIONS

- manufacturers of demining machines, metal detectors, protective equipment,
- mine detection dogs schools,
- testing and training centres,

FRIDAY, 30th April 2010

8.00-16.00

EXCURSION ORGANISED BY HCR-CTRO

