

Erasmus+ KA2 Project

C B R N - P O L

Development of CBRN training programme for police officers



Study visit in Warsaw, June 26-30th, 2017

Report on the visit

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1. Introduction

The study visit in Warsaw (PL) of the ERASMUS+ project “Development of CBRN training programme for police officers” (CBRN-POL) was held on June 26-30, 2017 in Warsaw, Poland.

The institution responsible for organizing the study visit was the Industrial Chemistry Research Institute in Warsaw.

The study visit was attended by the following participants:

1. Piotr Brzezinka (representative of the Execution Department of the Warsaw Police Headquarters, Poland);
2. Łukasz Iglewski (representative of the Police Training Center in Legionowo, Poland);
3. Mariusz Grasz (representative of the Bureau of Counter-terrorist Operations of the Polish National Police Headquarters, Poland);
4. Lesław Górniak (representative of the Industrial Chemistry Research Institute in Warsaw, Poland);
5. Carlos Rojas Palma (representative of the Studiecentrum voor Kernenergie/Belgian Nuclear Research Centre (SCK•CEN), Belgium);
6. Charalambos Stergiou (representative of the Centre for the Advancement of Research & Development in Educational Technology (CARDET), Cyprus);
7. Michał Bijak (representative of the University of Lodz, Faculty of Biology and Environmental Protection, Poland);
8. Marcin Podogrocki (representative of the University of Lodz, Poland);
9. Marlena Kuryłek (representative of the University of Lodz, Poland);
10. Willem Willemsens (representative of the Antwerp Local Police);
11. Odysseas Papadopoulos (representative of the Cyprus Police);
12. Panayiotis Iakovou (representative of the Cyprus Police).



The study visit was conducted to facilitate exchange of good practice between CBRN experts of each partner. During this short term event experts from all partner organizations were acquainted with the

capacity, expertise and knowledge of such institutions like the Industrial Chemistry Research Institute, the Warsaw Municipal Police and BOA, the Warsaw Fire Department and Polish police academy in Legionowo.

The study visit had international character and its impact was rising the participants' awareness, knowledge and skills in the CBRN field. This event was dedicated to good practice exchange and aimed to help to create project outputs and improve all partners competences. The study visit aim was to enable each partner of presentation of its technical background and procedures ruling in its work in the field of CBRN materials and response to the CBRN threats.

The aim of the study visit was to analyse strengths and weaknesses of the whole consortium, and identify the best strategy to fit/exceed the assumed quality requirements of the project. It will help to establish the best and most practicable programme foundation for police officers' training and programme for their trainers' training that will be built on expertise and capacity of each of the project partners.

2. Day one, Monday 26 June 2017 – visit to the Bureau of the Counter-terrorist Operations (BOA) – National Police Headquarters



After introduction of new delegation members (Cyprus police) to the consortium the meeting started with the official welcome.

Official welcome of the delegation by the director and deputy director. Brief introduction on the structure (national & international), history and capability of the police organisation.

Presentation of:

- Anti-terrorist response system of the republic of Poland, taking into account the anti-terrorist legal act: structure and capacity
- The principles of coordination and cooperation in anti-terrorism securing relevant meetings and conferences with international character as well as mass events

Towards the capability of BOA the consortium learns that there is capability on the domains of:

- medical

- undercover
- waters
- CBRN
- negotiation

The recruitment and training process is being clarified.

Mariusz Gracza guides the participants on the premises of the BOA where the participants can learn to know the special tools, vehicles and protection of BOA.

Mariusz Gracza clarifies the tasks of CBRN-unit. The unit has several devices at its disposal, mainly detection gear for detection of radiation.

Polish basic police training does not provide any CBRN training. BOA has received special training on CBRN

US department of energy has donated BOA a €200000 vehicle to detect radiation. This vehicle is used in combination with handheld detection devices.

A static show of the CBRN equipment was organised in the building of BOA. Also the other gear of BOA was presented: weapons, ballistic protection, audio equipment, CBRN detection, ropes, parachutes and special vehicles.



The BOA cooperates with Europol, Interpol, US department of energy and EU.

The consortium gets further explanation about an exercise in a nuclear facility where the decision making process and respond times were tested.

Decontamination was carried out by the fire brigade. Exercises are done in partnership with police.

- Piotr BRZEZINKA: EOD unit

The BOA EOD unit is the dedicated unit for the region. Mr Brezinka explains the structure of the Polish EOD organisation.

Main activities: Post explosion investigation and special Operations.

The EOD unit is 24/7 available. The average scramble response time is 15-20'

The order to deploy will come from the commander of the metropolitan police. Medical and fire brigade services will be alerted also.

There is also an important role for multidisciplinary 24/7 centre with police, customs, intelligence agencies involved in anti-terrorism operations.

A current common activity for the unit is check of postal packages.

The basic CBRN equipment of the staff is a gasmask MP-5 and overall Tychem F. More specialized protection equipment will be provided by the fire brigade.

Pagers are used to detect RN threat. Gemini as spectrometer. The service can also deploy 4 explosive detection dogs.

Trailer to transport explosives Up to 5kg TNT resistant.





The delegation gets a short briefing on the visit of POTUS to Warsaw and the preparations that are going on for the scheduled visit on 6-7/7/2017 and the impact of it on BOA.



The special response vehicles of BOA were available for visit on the parking of BOA







Participants were offered the possibility the experience of wearing a bomb blast protective suit. The weight of this kind of protection limits the freedom of movement for EOD staff. It was most important for the academic members of the consortium to experience this limitations in relation to the policies and procedures that they will develop for law enforcement.





In the afternoon the participants were transferred to the city of Bydgoszcz for the second POLON CBRNE seminar on 27/06/2017.

3. Day two, Tuesday 27 June 2017 – POLON CBRNE seminar

Polon Alfa organised in cooperation with different Polish authorities a full day seminar on CBRNE.

Godz.	Program	Lecturer, subject matter
8.00-9.00	Registration , workshop stations preparation	
9.00-9.10	Official Opening Speech	mjr SG Monika Szczygiel – Commander of the Polish Border Guard Post in Bydgoszcz Dariusz Nagański - Deputy of the Board, Polon Alfa Company
9.10-9.25	“Radiological hazard identification and assessment system used in military technology”	prof. dr hab. inż. Sławomir Neffe Manager of Radiometry and Contamination Monitoring Department Warsaw Military University of Technology
9.25-9.40	„Radiation protection and safe working with radiation sources”	mgr inż. Igor Krupiński Manager - Laboratory of Dosymetric Devices Calibration, Radiation Protection Inspector, Polon Alfa Company
9.40-9.55	„Report on the first edition of the POLON CBRNE national workshops organised on 23 May 2016”	chor. SG Adam Piotrowski Team Leader Special Controlling Section of Flight Security Group Polish Border Guard Post in Bydgoszcz- I. Paderewski Airport
9.55-10.10	„Low sensitivity explosives”	Jerzy Lachmajer Technologist Chemical Works Nitrochem S.A.
10.10-10.30	Coffee break	
10.30-10.45	„Polish Border Guard role in counteracting CBRNE Threats”	mjr SG Radosław Marzec Head of the Border Department Nadwiślański Polish Border Guard Unit
10.45-11.00	„Responding to radiation events in the territory of Poland ”	Karol Lyskawiński Head of Emergency Preparedness Unit, Radiation Emergency Centre, National Atomic Energy Agency
11.00-11.15	„Chosen radiation events – The rules of response and cooperation between ZUOP and services”	Michał Lupiński Manager Spent Nuclear Fuel and Physical Protection Section Radioactive Wastes Management Plant
11.15-11.45	Coffee break	
11.45-12.10	Presentation of workshops stations	
12.15-12.30	„Counter-terrorism operations Act”	kpt. Marek Rekowski National Internal Security Agency – Delegation in Bydgoszcz
12.30-12.45	„Radiometric control management at Warsaw Chopin Airport”	ppor. SG Grzegorz Modzelewski Team Leader Special Controlling Section of Flight Security Group Polish Border Guard Post in Warsaw- Warsaw Chopin Airport
12.45-13.00	„Explosive radiological dispersive device (eRDD)”	ppor. SG Mariusz Urban Flight Security Group Manager Polish Border Guard Post in Bydgoszcz- I. Paderewski Airport Doctorant - War Studies University
13.00-13.10	Transfer to the training area	
13.10-13.50	CBRNE Scenario- practical training episode	Execution of the training scenario according to the assumptions provided for particular groups
13.50-14.20	Coffee break	
14.20-14.40	Summary, panel discussion	prof. dr hab. inż. Sławomir Neffe ppor. SG Mariusz Urban
14.40-14.50	Official Closing Speech	Commander of the Polish Border Guard Post in Bydgoszcz Deputy of the Board, Polon Alfa Company

The different speeches were given in Polish and translated by the translator of the consortium.

In the afternoon a live demonstration on EOD took place in an environment with asymmetric threats. Multiple robots were used in a cooperation with the fire brigade for decontamination. The members of Erasmus+ were given the opportunity to share their reflections on the demonstration.





At the end of the day the audience took advantage of the opportunity of the presence of the foreign delegation to discuss some current topics on the threat of (CBRN) terrorism in Europe. We believe that useful interpersonal and business contacts have been established with the Polish stakeholders and officers at the seminar.

4. Day three, Wednesday 28 June 2017 – visit to the Industrial Chemistry Research Institute and Firefighting and Rescue Unit nr6

- Dr Przemyslaw Los welcomed the consortium in the Czochralski hall where he gave an overview of the activities of the Industrial Chemistry Research Institute.

The position of the institute is unique as it is an academic institution with high standing reputation, but not part of a university.

The institute is active in several domains over many years. Over time security has always been an important matter in every field of study of the institute.

The focus of the Industrial Chemistry Research Institute is mostly towards energy.

- Mr Leslaw Gorniak from the Industrial Chemistry Research Institute continues with presentation of the work of the Industrial Chemistry Research Institute in the field of safety & security.

Law enforcement is a new domain for the institute to conduct research in. The institute has already some experience on chemical security and has published a book in this domain. The delegation receives a copy of this publication.

A brainstorming and discussion session is held on the focus of the project and how the academic partners can achieve the needs of the law enforcement partners.

- Andrzej Krzeslak of the REACH and CLP center discusses the chemical hazards, An explanation is given on the efforts on the global harmonization system of classification and labeling of chemicals
- Andrzej Milczarek discussed process safety and modeling emissions through a case study. A modeling program that is developed by the USA is used to calculate the dispersion area of the chemical agent. The program takes into account the nature of the product, temperature, wind speed and altitude. When the parameters are set correct an accurate model is established.

A plot on the map shows the impact area.

- Warsaw fire brigade - www.warszawa-straz.pl

In the afternoon the delegation visits the Warsaw Firefighting and Rescue Unit nr 6.

The activities are divided in 3 domains:

1. firefighting (district level)
2. specialized chemical incident management (regional level)
3. CBRN incident management (international regional level)

CBRN specialists work 24/7 with 1 specialized team member for each possible CBRN component.

The team has 10 university level trained staff members at its disposition.



Different vehicles have been adapted to meet the needs of this highly specialized team. One of the vehicles is set up as a mobile laboratory. Other vehicles contain rescue and protection equipment for CBRN purposes.

When dealing with suspicious packages a first analysis is done by police EOD. A next check on CBR is done by the fire brigade. When there is a positive result on the CBR tests, the fire brigade will take care of the transportation towards a specialized facility.



5. Day 4 The Police Training Centre in Legionowo

The police training centre of Legionowo is located just outside of Warsaw. It consists of a huge terrain where basic training and specialized training courses for the Polish police are organised.



The consortium was welcomed by the director of the school who gave a presentation about the structure and facts & figures about the school.

The training centre has a total surface of 100 hectares. On a daily basis an average of 1200 students is hosted each day. On a yearly basis about 100.000 Polish officers are trained.

The basic training course takes 7 months. 122 specialised courses are being organised also on a yearly basis. The training centre stretches out to 3 different campuses. One of these campuses is mainly focused on policing on water.

A guided walk through school premises was organised with stop and explanation at different locations:

- Department of special police: forensics, EOD, first aid, water police.

The department provides 4 different courses of EOD training:

1. Recognition: 2 weeks - basic prevention course
2. 6 week course neutralisation of explosives
3. After this 6 week course and 3 year EOD experience it's possible to follow a trainer course
4. A highly specialized course of explosives for special units

All courses focus on multidisciplinary approach by several police divisions.

The consortium was given the opportunity to visit a classroom where a class was taking place with students collecting evidence and trying to reconstruct the mechanism of a bomb that had been set off.

The training centre has a special terrain for organisation of explosions. A demonstration of a car bomb with 150gr explosives under the driver's seat was organised.



- Presentation Traffic police.

An explanation is given about the working on tachographic data and on how the course of road signalling is conducted. For this last course the training centre has a special mirror room to train this.



- Motor training course

On the premises of the training centre a circuit is organised to train police motorcycle driving skills. The students are trained in on and off road driving



- Sport facilities

The training centre has a big modern sports hall. This provides halls for: ball sports, swimming, boxing, self-defence etc.



- Shooting range

The shooting facilities consist of multiple indoor shooting ranges. These provide the possibility for shooting practice in different circumstances as angles, use of objects and vehicles and moving targets. A separate shooting range consists of different rooms panelled with ballistic proof material to make real live searches of buildings using weapons possible. Every movement of the students is automatically recorded by the CCTV system in this shooting facility. Video footage is available for evaluation with the students at the end of the exercise.



Our visit to the Police Training Centre facilities was very useful because we better understood the training procedures and how the members of the Police are trained. It was the most interesting day and we were impressed by both the facilities and structure of this training centre. We also held very productive discussions with members of the various schools.

6. Day 5 The Management Department of the Warsaw Police Headquarters

Inspector Szalencki chief of monitoring centre welcomes the delegation.

An introduction on the structure of the Warsaw municipal police is given. The Warsaw Municipal Police is divided in different geographical districts. There are also 4 special divisions:

- Railway
- Subway
- Airport
- River police

The police work under national authority.

On the level of the city exist next to the police force also a 'City guard'. These have limited police powers.

Police and emergency services can be contacted by the emergency numbers 997 and 112.

Municipal police also takes care of the security of mass events. Not only recreational events but also high risk events. Hooliganism is the main problem. Political manifestations come on a second place.

2016: 8 major events took place which needed reinforcement of other police forces. 78 big events took place, 54 mass events, 200 regular events, 22 religious gatherings, 2 high profile international events.

In 2003 police and city set up a camera monitoring centre.



For the moment there is access to 380 cameras. These are monitored by city staff. If necessary this footage can be taken over on priority by police. For the moment the cameras are not provided with smart software.

A ANPR-system is in tender and expected to be rolled out the next couple of months.

A 1500-2000 incidents is managed on a daily basis.

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