

European Explosives Network for Explosive education and Certification of skills



EUExNet meeting in Italy

**The second EUExNet project meeting arranged by NITREX
30 September - 1 October, 2010, in Lonato, Italy**

The second project meeting in Lonato gathered EUExNet partners from 9 countries. The EACEA (Executive agency of European Commission for education, culture and Audio visual) was also represented as well as the National reference group of Italy.

It was almost summer warm when 14 representatives from 9 of the in total 14 EUExNet member countries gathered in Lonato, near the lake Garda.

Also visiting the meeting was project officer Karolina Garbaliuskaite and financial officer Frederic Boguo from the EACEA. Their main goal is to see how the project is advancing and to answer questions.

Romano Schiavi from the National reference group of Italy is invited to disseminate the result from Nitrex and EUExNet/EUExcert.

Host for the meeting was the explosive engineering company NITREX.



From behind, left: Erik Nilsson, Olga Mutere, Frederic Boguo, Ingo Valgma, Ken Cross, Andris Melkers, Hanne Randle, Karolina Garbaliuskaite, Milos Ferjencik, Hans Wallin, Ingrid Wieselgren, Ashley Haslett, Mara Battocchio, Janis Jakuss-Kreituss, Roberto Folchi and José Gois

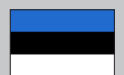
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Finland, Lithuania and Slovakia has signed a LOI (Letter Of Intent) and are associated members of the EUExNet project



The Czech Republic



Estonia



Finland



Germany



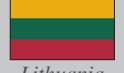
Ireland



Italy



Latvia



Lithuania



Malta



Norway



Portugal



Slovakia



Sweden



The United Kingdom

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EUEXNet, the platform for European Explosives Education

The work with EUEXcert started as a Leonardo da Vinci project 2003 and the aim was to start European transnational cooperation in order to reverse the decline in competence of the explosives sector when a lot of experienced workers were retiring

Now in late 2010 EUEXNet is growing and the aim is to incorporate all member states in order to secure a competitive European explosives sector which contributes to prosperity.

The work with EUEXcert and EUEXNet is an important step on the way towards the creation of a European explosives cluster.

Well educated and trained workers are the basis for a competitive and safe explosives sector.

The partnership is now starting national EUEXcert nodes in all partnership countries and they are named National EUEXcert associations

The purpose of the association is to:

- Promote and manage exchange programmes for students and specialists in the Explosives sector
- Promote cooperation for transnational education and training in the Explosives sector
- Manage and update the glossary on terminology for the Explosives sector

- Manage a database and network on experts
 - Support the European Commission with independent advice
 - License national awarding bodies to issue EUEXcert certificates
 - Maintain standards for competencies
 - Ensure quality standards and audit national awarding bodies
 - Promote and license the trademark
 - Strive to include all European nations in the EUEXcert legal association
 - Promote and manage exchange programmes for students and specialists in the Explosives sector
 - Promote cooperation for transnational education and training in the Explosives sector
 - Manage and update the glossary on terminology for the Explosives sector
 - Manage a database and network on experts
 - Support the European Commission with independent advice
 - Search for international cooperation
- Later 2010 we are starting the European EUEXcert association and we are glad to welcome European and international organisations who wish to join the EUEXcert/ EUEXNet partnership.

We are now establishing an international organisation that promotes education, training and qualifications through the certification of competence for all workers who professionally handles explosives.



NITREX Explosives Engineering - company presentation

Nitrex's activity deals with explosives and explosions engineering.

Founded in 2004 by Roberto Folchi, managing and technical director, Nitrex has registered since its foundation a rapid increase in the volume of work, achieving leadership in Italy for explosive demolition and explosives engineering. Nitrex operates now at international level.

Key of success is rapidity, short reaction times, rapid execution, total quality and safety and custom oriented service.

Nitrex's mission deals also with disseminating the culture of safety use of explosives through its website www.nitrex.it and through the European project EUExcert.

Nitrex is founder partner of EUExcert, the European Union Project for the certification of competencies of workers in the explosives sector.

Within the project Nitrex organizes courses and publishes manuals and dedicated handbooks promoting the dissemination of the culture in the explosive sector.



Micko 1 dual, new generation blasting machine (for shock tube and electric detonators) entirely designed and produced by Nitrex



Example of one controlled blasting with explosives of Highway's bridges (Southern Italy)

All Activities are performed directly with its own personnels and equipment, to grant total quality and the highest safety standards, from planning to execution. Efforts are continuously given to improve reliability and organization.

The aims are to give tangible evidence to the existence and efficiency of EUExcert project trying to reach different fields of the explosive sector (EUExcert booklet deals with regulation, use of explosives, vibration monitoring, pyrotechnic).

Nitrex' Quality System is certified according to UNI EN ISO 9001:2000 for the sectors: design and performance of controlled blasting, Nitrex core business, risk analysis assessment for fire and/or explosion of explosives or energetic materials; seismic and acoustic monitoring; conformity checks for mining equipments.

Nitrex, thanks to its mechanical and electronic workshops, is also able to create and implement mining and monitoring equipment.



Booklets of EUExcert series

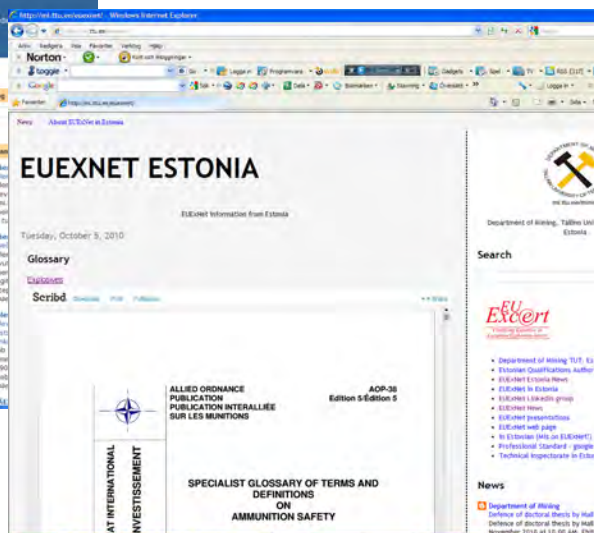
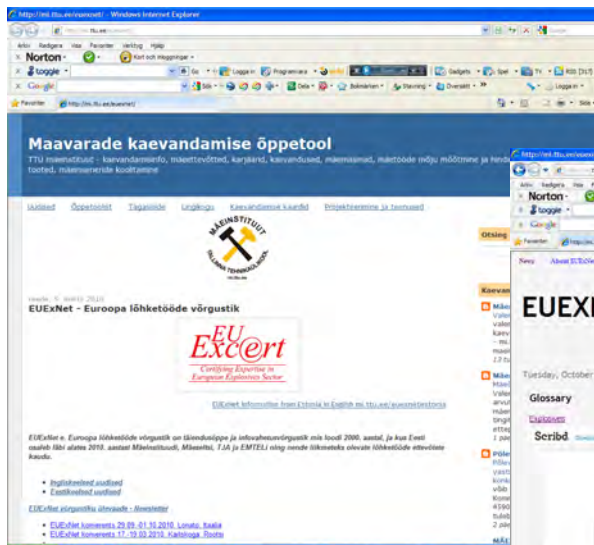
Estonia, website and LinkedIn-group

Ingo Valgma, Tallinn University of Technology Estonia presented the Estonian webpage for EUExcert. He has made one in English and one in Estonian language.

A project diary was originally set up as a section of the project website. It was a good idea but not very often used by the members.

Ingo presented an alternative way to communicate by setting up an EUExNet group on LinkedIn as a social network. After they have registered each person can decide if they wish to receive e-mails when there is any update in the network.

The link to LinkedIn can be found on the Estonia EUExNet webpage: <http://mi.ttu.ee/euexnet>



Latvian Police seeks cooperation

At the meeting Janis Jakuss-Kreituss from the Latvian Police informed about the situation with identification of Abandoned Explosives Objects (AXO) found in Latvia.



Most of the AXO are from the time before 1990 and technical information is missing.

Janis proposed transnational cooperation in this field. EUExNet plays an important role with the creation of the transnational network.



EUExcert/EUExNet UK



Ken Cross,
Institute of Explosives Engineers, UK

There has been a flurry of activity in the last few weeks.

On the same day as the 2nd EUExNet Meeting in Lonato, the Standards Setting Body (SSB) for the National Occupational Standards for Explosive Substances and Articles met and agreed to be the basis for the UK's Consultative Group (or Reference Group) for EUExNet.

The SSB also agreed that the Institute of Explosives Engineers would be the host for the UK's National Node for EUExNet. This is a significant move by the SSB, which includes representatives of many major organisations in the UK explosives sector and demonstrates their commitment to enhancing safety through the demonstration of competence.

The SSB itself has only recently been reinvigorated after quite some time during which a lot of work on vocational qualifications has been done by one of the partners in the Development Office for Explosives Standards (DOES), Homeland

Security Qualifications (HSQ) and on professional registration of explosives engineers by the other DOES partner, IExpE.

The DOES is an entity that was created at the behest of the UK explosives industry in order to manage the NOS after they had been created.

As already mentioned, the Industry required an entity to continue the work on their behalf and they looked at two existing organisations that spanned the breadth of the explosives sector: IExpE and the Explosives Industry Group.

To quote from discussions at the time "...Only two groups, the EIG and IExpE, represent the interests of the ESA both inside and outside the Defence Industry.

prises a small number of people from IExpE and HSQ and it exists, among other things, to:

- Ø Review and attempt to alleviate the problem of declining competence
- Ø Act as a focus and lobby group for the community
- Ø Provide a pool of expertise
- Ø Facilitate secondments and other means of sharing expertise
- Ø Provide a base for the SSB
- Ø Champion measures of competence

On 21 October, senior members of organisations within the UK explosives sector met at Shrivenham and agreed to form a strategic level body to drive competences and

training within the sector. This meeting was hosted by IExpE and chaired by the MOD's Director of Weapons in the Defence Equipment & Support organisation, Mr Alan Nicholl.

This group was briefed on the history of the NOS, the emergence into EUExcert and the aspiration to have European Occupational Standards that enhance

the mobility of explosives workers.

The group acknowledged the value of being engaged in Europe through EUExcert and that this activity should continue through IExpE and the DOES. They have also agreed in principle to fund a full-time DOES Programme Manager on contract to IExpE to take the work forward.



The DMA is oriented specifically towards the defence industry and the EIF is closely associated with the HSE, a Government body against which the Entity may conceivably wish to lobby...". (See Figure ESA Trade Entities)

After some discussion, it was decided that IExpE would be the basis of the entity. The DOES com-

EUExcert/EUExNet Ireland



Becoming the Irish Partner, Irish Industrial Explosives is the latest addition to the EUExcert program, having been accepted in September 2010.

Ashley Haslett, the Operations Director of I.I.E. attended the meeting at Lonato in Italy, kindly hosted by Nitrex.

Having gained an insight to the next stage requirements, work has commenced to achieve the objectives. The creation of the Irish web-

site has commenced and will be available soon at www.euexcert.ie

Potential associates that will form the Node have been approached and invited to participate. A positive response has been received from the following organisations:

- Department of Justice (Regulator responsible for explosives Licensing)
- Health & Safety (Authority Regulator responsible for workplace safety)
- FETAC (Further Education & Training Awards Council)
- FAS (Irish National Training & Employment Authority)
- Irish Concrete Federation (Employer representative organisation)
- SIPTU (Employee representative organisation)
- I.M.Q.S. (Institute representing mining & quarrying industry)

The first meeting of the Irish Node

is scheduled for late November, when the aims and objectives shall be agreed and a plan developed to deliver the agreed outcomes.

An opportunity recently arose to discuss the EUExcert program with executives of SAFEX International (the global explosives industry safety association). The program is clearly aligned with the aims and objectives of SAFEX, in that it seeks to eliminate all accidents and injuries, which competence evidently forms a significant part of.

The suggestion that other explosives industry representative organisations beyond Europe would benefit for a close association with the EUExcert is being given further consideration.

Within a relatively short space of time, Irish Industrial Explosives have made good progress in advancing the aims of EUExcert.

EUExcert/EUExNet Portugal



In October the 12th International Symposium on Fireworks was held in Oporto, Portugal, where the Abstract included here to the left was submitted by José Gois.

Further information about the project EUExNet is available at the website of AP3E, the Portuguese Association of Studies and Explosives Engineering. The information is also available in Portuguese.

"EUROPEAN QUALIFICATION FRAMEWORK IN THE EXPLOSIVES SECTOR".

Examining the causes of pyrotechnics accidents invariably reveals that human error is the major contributory factor.

Safety in pyrotechnic sector depends on people making the right decisions at the right time. It depends upon people having the necessary competence to carry out their jobs properly.

The concept of competence in pyrotechnic and explosive sectors is not well defined in many countries. A number of EU nations carry out a programme of work (called EUExcert) to examine the explosives and pyrotechnics competences through vocational training and education across the EU with

the view to set up an European qualifications framework in order to award European certificates for workers in these sectors.

This project was funded by the European Union Leonardo da Vinci programme. Based on the previous a new project, EUExNet, is running with the objective to establish a transferable certificate of competences, which will be recognised inside and outside EU, providing a system that makes mobility of workers possible.

The idea is to create a central node that provides a framework for competencies within a network with national bodies. This paper will describe the results achieved in previous EUExcert project and the recent developments in the new project."

EUExcert/EUExNet Italy

Nitrex has been a partner of EUExcert since the beginning in 2003.

Nitrex focus on the pro-active dissemination of EuExNet and EUExcert. Information is being disseminated both through Nitrex web site and through presentations and letters. We also produce focused booklets distributed to the stake holders. The booklets are often presented during targeted courses.

EUExcert/EUExNet Latvia

University of Latvia is a partner of EUExNet.

Starting the cooperation with KCEM in 2009, the main activities were focused on the ecological and biotechnological issues for explosives-contaminated sites. This research was performed during the last decade with support from the Ministry of Defence and the National Armed Forces of the Republic of Latvia.

For further development of education, training and certification procedures, the national EUExNet node is established. The National node involves experts from the State Police of Latvia, who are responsible for legislation and certification in the civil explosives sector in Latvia, Association of

The last booklet of EUExcert was published last June and presented in a focused course.

In the future the dissemination activity will also be implemented thanks to the collaboration with a free lance journalist dedicated to these activities of “advertising” EUExNet. Nitrex will also work on the implementation of the EUExcert Italian association.

Experts and Specialists for Highly Energetic Materials “Faville” and the University of Latvia.

Two experts from the State Police of Latvia represent the National node, i.e. Andris Melkers, Deputy Head of Licencing and permission System Unit, and Janis Jakuss-Kreituss, Firearms & Explosives Examiner of the Forensic Service Department.

Participation in the 2nd EUExNet meeting in Lonato provided our team with sufficient information related to the main tasks of the EUExNet project, as well as to the EUExCert goal as a whole. Andris Melkers presented the current situation with legislation in explosives sector in Latvia.

The Cabinet of Ministers Regulations No.538 “Regulations for Classification and Use of Weapons, Ammunition, Special Devices, Explosives, Equipment and Pyrotechnic Products” does not completely regulate the turnover of explosive in Latvia. The new law project related to the turnover of explosives for civil use, more completely



Mara Battocchio, Nitrex, Italy



Dr Olga Mutere, University of Latvia, Latvia



Andris Melkers, State Police of Latvia



foresees the legal reglamentation of the work with explosives and certification procedure. The target groups for this law project are:

- 1) Three commercial companies licensed by the Ministry of Interior, working with explosives realization, import, export, and transit.
- 2) Five commercial companies registered by the Ministry of Interior, working with explosives in the industrial sector.

Hanne Randle is responsible for the QA in the EUExNet project.

After the first project meeting in March 2010 a survey was conducted where the project partners were asked to comment the seminar.

All partners described that they were happy to share their experiences with each other.

According to the result from the survey most partners had understood the expected outcomes and that the outcomes were realistic to reach within the project period. It was interesting to see that About 50 percent of the partners wanted to get some support from old partners and from the project management team. The language does not seem to be any big problem, nevertheless the majority of the partners think that a common glossary could be helpful in the project.

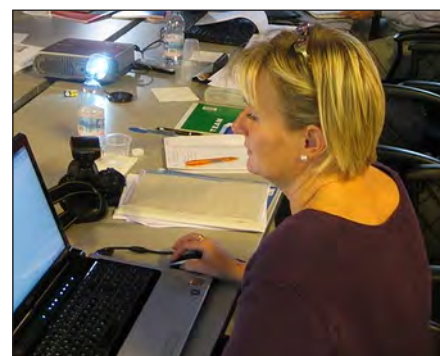
Before the meeting in Lonato in September/October the partners were asked to describe the work progress. The result showed that already after six months the part-

ners were working hard and some had already reached some project goals. Seven partners had started to set up national nodes, and most partners had set up websites in their national language. Most partners had signed the MOU (Memorandum Of Understanding) and use the project logo.

The partners have taken part in dissemination activities such as presented papers in international and national conferences and meetings, in journal articles and in other media sources as well as contributed with information to the newsletters.

For the next project meeting in Riga the partners wish to discuss a continuation of the project, a common glossary, additional funding and the procedures for interim and financial reporting in the project.

The results from the survey and the progress report, when presented, led to some discussions. The idea to use a common glossary was highly supported. It was decided that each partner could suggest



terms and concepts which they reckon should be described in the common glossary and then send them to the UK partner Ken.

Other issues which were brought up for discussion were:

- How the project management team can support partners in their work;
- How to continue the project;
- How to engage new partners,
- How the project management team can set up “reminders” for the partners
- How to use social medias such as Linked-In etc.

For more information about the survey and the progress report contact; hanne.randle@kau.se

EUExNet - Update on Project activities 7 October 2010

Project partner	Signed Contract	National web page	National Node			Articles of incorporation sent to members	QA survey / Progress report	Input to website	Input for published newsletters	Dissemination activities	Continue the project yes/no
			Started	Chairperson elected	Members						
Sweden 1, KCEM	Contractor	Yes	Yes	Yes	Yes	Yes	Yes/yes	Yes	Yes	Yes	yes
Sweden 2, Liv Design	OK	n/a	n/a	n/a	n/a	n/a	Yes/yes	RP	RP	n/a	yes
Sweden 3, KAU	OK	Yes, link	n/a	n/a	n/a	n/a	RP	Yes	Yes	Yes	yes
UK	OK	Yes	Yes	Yes	Yes	No	Yes/yes	Yes	Yes	Yes	yes
Italy	OK	Yes	Yes	Yes	Yes	No	Yes/yes	Yes	Yes	Yes	yes
Czech rep	OK	Yes	Yes, started	No	No	No	Yes/yes	Yes	?	Yes	yes
Estonia	OK	Yes	Yes	Yes	Yes	Yes	Yes/yes	Yes	Yes	Yes	yes
Latvia	OK	Yes	Yes	Yes	Yes	Yes	Yes/yes	Yes	Yes	Yes	yes
Germany	OK	started?	Yes	No	No	Yes	Yes/yes	Yes	Yes?	Yes	yes
Norway	OK	Yes	Yes	Yes	Yes	Yes	Yes/yes	Yes	?	Yes	yes
Portugal	OK	Yes	Yes	No	Yes	Yes	Yes/yes	Yes	Yes	Yes	yes
EFEE	OK	n/a	n/a	n/a	n/a	n/a	Yes/yes	Yes	Yes	Yes	yes
Ireland	OK	Started	Yes	No	No	?	n/a/yes	Yes	Yes	?	yes
Finland (associated)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Lithuania (associated)	n/a	Yes	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Slovakia (associated)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	

RP = responsible partner

Competent explosives specialists fundament for building modern societies

Today explosives are fundamental tools for building our modern society.

All of our infrastructure and amazing technological products, buildings and highways are all built by someone using raw materials derived from the earth.

Explosives are the fundamental tool used in mines and quarries. Explosives are used for blasting in construction, mining and oil exploitation, airbags in cars, in medicine, in fuels and devices for space rockets and satellites, for pyrotechnics such as emergency rockets/signals, and for defence materiel.

Production of explosives is one of the oldest industries where skilled and specialised workers have built safe processes for a dangerous product.

Since more than 1000 years, production of explosives has shown the necessity of vocational education and training in order to maintain a safe working environment where accidents can cause very significant and catastrophic damage to humans and property.

There is a perception and some evidence that during the world wide rapid industrial change competence in this key technological area is being eroded.



In several nations in Europe, USA, Canada and Australia, for example, a high proportion of the most experienced and knowledgeable personnel are retiring or nearing retirement.

The explosives sectors have an excellent safety record and continue to develop new technologies that increase efficiency and safety. However the rapid globalisation of the explosives industry and the transnational presence of the commercial organisations calls for new solutions for training and education.

Urgent efforts are therefore necessary in many countries to replenish the expertise in order to maintain a safe industry.

EUExNet and EUExcert are now well recognised by the global explosives sector and there now is several organisations who wish to know the possibilities for transnational cooperation also outside EU.

The project management for EUExNet strongly believes that a worldwide marketing of European expertise and specialised education and training in this key technological area and, of course, strong support from the EU-commission, can result in a strong European business area

We therefore are very interested to meet representatives for the Leonardo da Vinci programme in order to present our ideas and learn their advice.

EUExDL nominated for "Best Practice"!

The previous EUExcert Project SE/06/B/F/PP-161036 "A European explosives driving Licence – EUExDL" which was completed October 2008, has been nominated to be evaluated for Best Practice.

The first EUExcert project was also selected as one of the best from 3000 European projects 2006.

EU Exc@rt

*Certifying Expertise in
European Explosives Sector*



About us

The Dresdner Sprengschule has been an international acknowledged educational institution for nearly five decades. Nowadays training and qualification as well as technical consulting constitute the focus of our business.

The Dresdner Sprengschule currently offers more than 40 different state certified seminars and courses. Furthermore we provide a range of seminars on up to date issues and trends.

Our institution is staffed with ten highly qualified and motivated colleagues. We also utilize the knowledge of more than 80 specialists on a contractor basis.

We offer

We acknowledge our customers demand for individual and customized services by developing and realizing enterprise specific in house training.

We offer training and consulting in Blasting Technology, Pyrotechnics, Explosive Ordnance Disposal.

The Dresdner Sprengschule has excellent equipped seminar rooms with an on site training area of about 9000 m². We also have an outstanding ammunition collection assembled from about 3000 different original pieces and models.

We focus on the professional consultation, as well as the design of security concepts for enterprises of the enumerated branches.

Blasting technology

The branch Blasting Technology covers the entire knowledge base needed for all blasting related business. We offer the following courses related to the either blasting technology or to the objects to be blasted:

- Basics of general field blasting technology and agricultural and forestry blasting
- Basics of tunnel and underground blasting
- Special courses for:
 - Blasting of building constructions
 - Large hole blasting
 - Blasting in hot materials
 - Ice blasting
 - Submarine blasting
 - Road transportation of explosives
- Repetition courses for blasting technology
- Qualifying seminars in blasting technology for up to date issues i.e.
 - Modern ignition procedures
 - Decrease of vibration from blasting
 - Improvement of large hole blasting
 - Employment of shaped charge and sheet explosives
 - New methods of blasting technology at tunnelling work
 - Improvement of blasting methods for rock extraction in stone quarry's

Pyrotechnics

The employment of pyrotechnic products nowadays ranges from the classical use in fireworks over scenic displays in theatres and operas as well the use for special effects in TV- or cinema productions up to technical or industrial purposes (i.e. airbag, belt pre-tensioner, cutting and releasing charges).

The training is divided into aspects about the used pyrotechnic charges and application of these. Our institution offers basic, repeating and special courses.

- Basic courses for the use of pyrotechnic articles (outdoor fireworks)
- Basic courses for the handling pyrotechnic articles in theatres and comparable locations (stage-fireworks, indoor fireworks)
- Basic courses for handling pyrotechnic articles for technical purposes (airbag / belt pretensioner etc.)
- Special courses for handling explosives in TV- and movie productions
- Repetition courses for pyrotechnics



(Germany cont.)

Explosive ordnance disposal (EOD)

The Dresdner Sprengschule has contributed significantly to the training aspects on de-mining. It is divided into basic, repeating and special courses. These classes provide extensive training to build up the knowledge needed for searching, salvaging and removing ammunition which has remained from world wars, international crisis or formerly militarily areas.

- Basic courses for supervisor of explosive ordnance disposal
- Special courses for ammunition of the former Warsaw Pact
- Special courses for world-wide demining
- Repetition course for personal of explosive ordnance disposal
- Courses on detection of mines and unexploded ordnances for demining staff

Future Development and Activities

In the light of the general globalization the importance of our international orientation grows day by day.

As of today experts from Angola, Argentina, Belgium, Bolivia, Bosnia, Denmark, Estonia, Finland, Great Britain, Kosovo, Laos, Lithuania, Luxembourg, Netherlands, Austria, Poland, Sweden, Swiss, Czech Republic, Hungary and the USA decided to use our educational services.

In the context of the ongoing European unification we are going to expand our broad range of international activities and contacts with the goal to establish the Dresdner Sprengschule as a European Training and Qualification Centre for Pyrotechnic, Blasting and Demining Technologies.

EUExcert/EUExNet Germany

The Dresdner Sprengschule is also a partner of EUExNet.

One of the main aim for beeing a part of the EUExNet project is to learn more about education & training in explosives in other European countries. We think that we can use the outcome of EUExNet to improve our education and hence the possibility for mobility of the workers in an increasingly international sector.

Mobility will also become more and more important as a result of retiring of the ageing workforce all over Europe.

Another main aim for us is to try to reduce the risk of hazards and accidents in the explosives sector by offering good and comprehensive education of the employees.

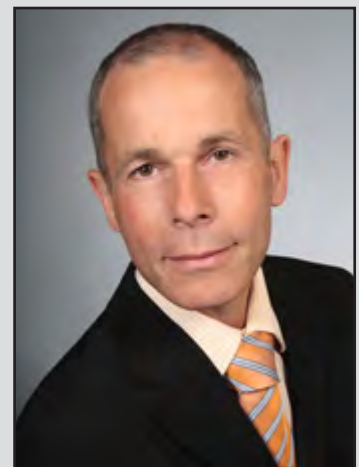
We think that the EUExcert foundation will be a good coordinator for this work.

We believe that the new EUExNet project should be focused more in the range of the civil blasting industries and handling of pyrotechnics (conducting fireworks and for using pyrotechnical objects on stages and similar scenarios).

This aim will be interested and important for us, because our main business is the training and education in the commercial explosives sector.

The aims of the EUExNet project are also very important for Germany as a country because of its central position in Europe.

So it is important both for the people, the industry and the countries that this exchange will become more and more uncomplicated and safe.



Dr Jörg Rennert
Dresdner Sprengschule GmbH

Future target is a harmonized standard for explosive competence

Ken Cross, IExpE, gave a short presentation of the EUExcert process in the in past and coming activities to achieve acceptance of the ultimate EUExcert goal. This process can be summarized in the following steps.

1. UK standard
2. EUExcert
3. EUExDL
4. EUExNet
 - 4.a Adopt (and adapt) standards
 - 4.b Partner nation
 - 4.c EU- wide
 - 4.1 EU qualification
 - 4.2 EU Certification

Erik Nilsson, Managing Director KCEM, described the process of developing harmonized European standards. In the case of pyrotechnical articles the process had three main steps:

1. Start of CEN – standard – fireworks (non mandatory) 1989
2. Directive – pyrotechnic articles – cars, theatre, fireworks 2007



3. Harmonized standards at the European level 2010 - 2012

He estimates that a similar process for occupational standards for explosives will take about five years from now and to have them accepted in Europe.

All other partners agreed with Erik and found it necessary with a new project after EUExNet. This project should focus on certification based on the occupational standards for explosives (steps 4a, 4b, 4c, 4.1 and 4.2 in Ken's presentation)

Conclusive summary

Funding for a continuation aiming at development of a harmonized European standard is necessary.

The meeting in Lonato expressed clearly that the work started 2003 with the first EUExcert project should continue with increased speed. There are also more new partners in Europe who wish to join the work.

However, the creation of national EUExcert nodes and finally a European EUExcert organization can

not be done in short time and resources are needed.

KCEM was asked from the meeting to start the work with a new application in order to secure future fundings.

The work with the next application has now started. It should be sent to EU by the 15th of February.

New European partners are welcome. We are also continuing to talk to countries outside Europe that have showed interest in our work.

For more information and questions please contact the EUExNet project leader Hans Wallin at: hans.wallin@kcem.se



Some reflections from the conference in Lonato

At the Lonato meeting we enjoyed good company thanks to our hosts, NITREX.

We developed stronger relationships between partners and welcomed a new partner (Ireland) and some new faces around the table. After some very interesting sessions, we came out with some chal-

lenging action points but a much clearer idea of how we move forward towards common standards, qualifications and certificates.

The UK agreed to sign up to the EUExcert MoU and the President of IExpE signed on 28 October.

Ken Cross, UK



Welcome to the next conference in Riga, Latvia!

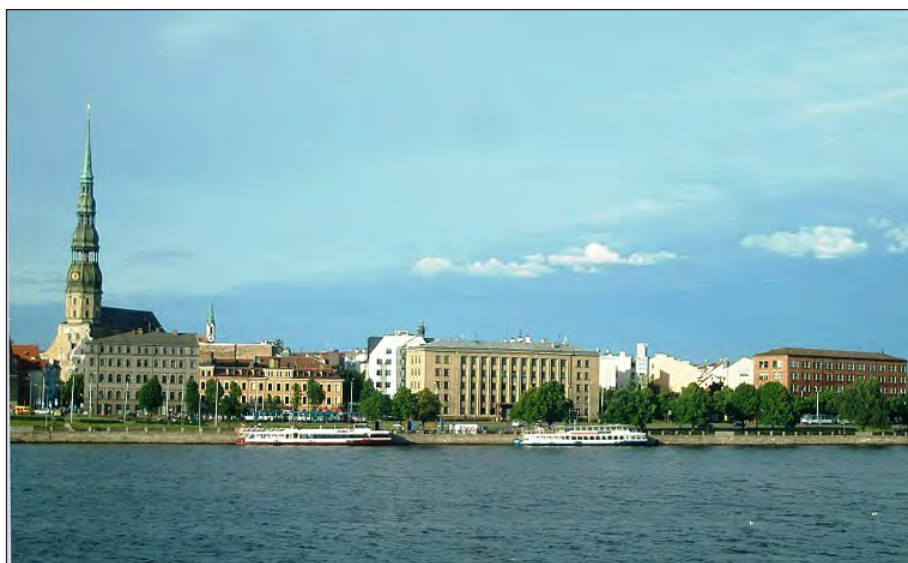
The 3rd EUExNet meeting will be held in Riga, Latvia:

April 14-15, 2011

In connection to the EUExNet project meeting a seminar/ conference is arranged the 12th and 13th of April by the Latvian partner.

Specialists from explosives sector will be invited to this seminar/ conference to present their experience and discuss the main topics highlighted by EUExNet and related questions.

A first call for papers and registration will be distributed shortly.



Links

- <http://euexnet.blogspot.com>
- www.euexcert.org
- www.kcem.se
- www.nitrex.it/eu-excert
- www.euexcert.ie
- <http://mi.ttu.ee/euexnet>
- www.euexnet.lu.lv/
- <http://iexpe.org/about/euexcert-and-iexpe>
- www.upce.cz/fcht/uem/spoluprace/euexcert-esseem.html

National Occupational Standards

Explosive Substances and Articles:

http://www.ukstandards.org.uk/Find_Occupational_Standards.aspx?NosFindID=4&SuiteID=791

http://www.ukstandards.org.uk/Find_Occupational_Standards.aspx?NosFindID=4&SuiteID=2051

http://www.ukstandards.org.uk/Find_Occupational_Standards.aspx?NosFindID=4&SuiteID=1869

Blasting Operations:

<http://www.epicltd.com/content/1103/national-occupational-standards---nos.aspx>

Bulk Explosive Truck Operations:

http://www.ukstandards.org.uk/Find_Occupational_Standards.aspx?NosFindID=4&SuiteID=2087

Mining Operations:

http://www.ukstandards.org.uk/Find_Occupational_Standards.aspx?NosFindID=4&SuiteID=2156