



CLGE gathers at INTERGEO

INTERGEO 2012 in Hanover, Germany

Geoinformation is inside of all relevant societal megatrends and changes" says Prof.Dr. Karl-Friedrich Thoene, President of the German Society for Geodesy, Geoinformation and Land Management (DVW), the association responsible for hosting this year's INTERGEO trade fair and conference which will be held from 9th to 11th October 2012 in Hanover, Germany. Smart geoinformation offers intelligent solutions and holds enormous potential for all key socio-political issues such as global change, climate policy, energy supply, disaster prevention, inner security, demographic change, e-government or modernisation of the state as well as data protection and data security. Under this banner some 15,000 trade visitors and 1,500 conference participants from around the world are expected to attend the industry event and discussion forum of the year which is performed in parallel with the 60th German Cartographic Conference and integrates the scientific Geodetic Week.

Moreover, the Conference programme includes the first national INSPIRE Conference as a discussion platform for the realization of the EU directive for creating a common geodata infrastructure and making geodata of public bodies available for all action fields of European policy making. The second Navigation Conference, as an additional side event, aims at an interdisciplinary dialogue in order to explore synergies between navigation, IT and geodata.

Alongside INTERGEO 2012 CLGE is inviting its members from 36 countries for the third CLGE Conference of the European Surveyor. On this occasion DVW and CLGE are organizing the second European Students Meeting (ESM) to offer an insight into state-of-the-art developments for



Karl-Friedrich Thoene, DVW President

young blood. See you in Hanover! This ESM will take place on 10 October and consists of a visit of the fair, the proclamation of the Students Contest and a party for the students.

INTERGEO will also host the Third Conference of the European Surveyor.

The first was organized in Strasbourg in 2008. It led to some interesting conclusions that can be read on our website in the section www.clge.eu/about_us/basics (look for Strasbourg declaration).

We underline three recommendations in the technical, legal and consumer protection field, as well as an important engagement: CLGE would organize such an event every two years.

The second conference was held in Bucharest in 2010. Read the interesting declaration on the same webpage. For the first time, CLGE asked for more harmonization of the European Cadasters. This request has even increased since then.

CLGE is aware of the central role of Geoinformation in our society and it is plain to us that there's an absolute and urgent need to coordinate our efforts at European level. A European Agency for GI is a vital necessity. Fortunately, Eurogeographics paves the way to this kind of cooperation for the whole European continent.

The Third CLGE Conference of the European Surveyor will take place in Hanover on 11 October 2012, on the fairground of INTERGEO.

The full program will be available soon. Please follow the developments on www.clge.eu.

The conference will be followed by the CLGE General Assembly.



The Fair



The Crowd

CLGE Students Contest:

As announced earlier, we remind you that students may submit a paper in any of the three categories of the CLGE Students Contest (until 15 July 2012).

The full description of the contest is available on www.clge.eu.

There are three great prizes to be awarded. There's not only the reward of 1000 euro per category but also the possibility to attend a huge European (ESRI – Mapping and GIS) or Mundial (TRIMBLE – Geodesy and Topography) conference. For the third category about

youth engagement and associations, the prize also consists of 1000 euro and a nomination to become the "Vice President" for Youth Affairs within the Board of CLGE. The winner in this category may also be asked to bring to fruition the project that he/she has described.

If you are a teacher, a student or if you are a surveyor knowing potential participants, do not hesitate to contact them and to motivate them to take part in the contest by tabling a paper before 15 July 2012 (send it to Leiv.Bjarte.Mjos@hib.no).



CLGE invests in Social Media

The Edinburgh CLGE General Assembly

From 30 March till 1 April, the CLGE General Assembly gathered in Edinburgh (UK). The whole event was well prepared by the CLGE Bureau and the local Office of RICS.

During the General Assembly, a new member from the Republic of Serbia was welcomed. CLGE is now represented in 36 European states and totals well over 60.000 individual surveyors (the exact number of members will be reassessed).

The GA in Edinburgh also saw the signature of the "Accord Multilateral" by Spain.

Moreover, a project aiming at the constitution of a Dynamic Professional Knowledge based

was launched. The above mentioned reassessment of the number of members will be a small but important part of this DPKB.

On Saturday the Assembly split in sub-groups to make the morning workshops more efficient. The themes were oriented towards the 'Role of Social Media', the 'Best Practices of different kinds of Cadastral Systems in Europe' and the 'Relevance of CLGE within FIG'. The talks were fruitful and will lead to reports that will be pub-

lished on the CLGE website later on.

With the aim to integrate the social media in the communications plan of CLGE, a special Vice President for Communication and Social Media was appointed: Pedro J. Ortiz Toro, also Spanish delegate to CLGE.

The presentations of the General Assembly are available on www.clge.eu. Workshop reports will be published soon.

A programme on Hydrography opens in Antwerp, Belgium



Hydrography

Nautical charts for mariners, tidal predictions, changes in navigational areas: the data collected on the world's oceans and seas have many applications that are indispensable to merchant marine, offshore, dredging and underwater projects. This large responsibility befalls hydrographers, experts in a field that is highly important to modern society. This underlines the importance of providing a decent education for this field.

The Institute for Hydrography

The Institute for Hydrography was inaugurated and the new postgraduate programmes presented on 3 March 2012. The collaboration between the Antwerp Maritime Academy and Ghent University results in an immediate concentration of bundled knowledge and experience, which enables it to become one of the leading institutes of hydrography.

The programmes are based on the IHO (International Hydrographic Organization) standards of competence which validates the certificates internationally. The Institute for Hydrography offers both categories B and A conform IHO regulations. With a cat. B certificate the hydrographer can independently execute parts of the process and specialize in a certain discipline such as multi beam echo sounder or data

processing. The cat. A hydrographer leads a team of hydrographers throughout the whole process and manages the project. Students start with the cat. B programme and may advance to the A programme.

The programme

The category B consists of three major parts. During the first semester, from September to December, only theoretical classes are lectured divided between the participating institutes in Antwerp and Ghent. The subjects range from bathymetry to navigation, and examinations take place in January. The courses are lectured in English.

During the second semester this theory is taken into practice during internships and workshops at the partners of the industry.

The second year consists of fieldwork in a company or institute chosen by the student. During this year the student experiences real work as a hydrographer and prepares thoroughly for their future career. After completion the student receives a cat. B certificate.

The programme cat. A has a similar structure. It starts in September 2013.



Accessibility

The programmes allow flexibility and accessibility for students and active hydrographers alike. Through a selection committee exemptions can be given to those that have already studied similar courses or have relevant experience in the sector. This system allows for a considerable shortening of the two-year study.

Recent studies have shown that some 35 new hydrographers are needed annually in Belgium; internationally there are at least 800 job openings. A job in hydrography provides among other things with highly interesting job opportunities.

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Norwegian students studying land administration in Austria

Bergen University College offers students a course in international land administration. This is an elective course that provides 5 credits and an international excursion is included in the course. This year 26 students and 3 teachers visited Austria from March 5 to March 9 2012, to study the Austrian cadastre, and surveying and mapping institutions. A good practice backed by CLGE.



1817 to 1861. All changes after 1883 are documented in the cadastral archives. Land subdivisions and boundary surveys are performed by authorized surveyors in private practice, and authorization to do cadastral surveys requires 5 years of university education and 3 years of relevant experience. A smaller number of surveys (3%) are carried out by BEV. Boundaries surveyed after 1969 cannot be changed by private agreement or by adverse possession. Easements are included in the survey, and deeds are written privately or by a notary, and registered in the Land Register. The Land Register is kept by the courts. Boundary disputes are normally resolved by a land surveyor and only exceptionally brought to court. There is a much stronger focus on quality assurance and dispute prevention in Austria than in Norway, resulting in better quality of maps and records, and fewer disputes.

Students and teachers at the Bergen University College wish to give special thanks to all presenters who made our excursion to Austria successful and to a great experience: Georg Gartner and Gerhard Navratil at TU Vienna, Julius Ernst, Bernhard Jüptner and Gert-Steinkellner at BEV Vienna, Anton Hollaus and Reinhard Kraml at BEV Linz, Cora Stöger at Arch + Ing, Rudolf Kolbe and Rudolf Matzeder at surveying firm Kolbe-Grünzweil, Kurt Pflieger, Erwin Krauss and Christian Greifeneder at Land Oberösterreich. Furthermore, thank you to all others who contributed with arranging the visit. A special thanks to Rudolf Kolbe, who had coordinated an outstanding program for this stay.

The excursion started in Vienna where the group first visited the Technische-Universität (TU) Vienna. TU Vienna offers its students a 3-year Bachelor in Surveying and Geoinformation. This bachelor's program is not unlike the bachelor in Surveying and Land administration in Bergen.

The University offers three master's programs at the top of the bachelor program. Teaching is research-based. Furthermore, BEV Vienna (Bundesamt für Eich- und Vermessungswesen) was visited. BEV has 1200 employees, headquarters in Vienna and 41 regional offices. BEV is responsible for coordination, geodesy and topographic mapping, development and maintenance of the cadastre, and marketing and sales of geoinformation. BEV has responsibilities in metrology as well. We also received a presentation of OVG – The Austrian Society for Surveying and Geoinformation. After 2 days in Vienna, the group travelled by train on to Linz in Upper Austria. Here, the activities started with a visit of the regional office of BEV, which is respon-

sible for the updating of the cadastre, in addition to tasks in the maintenance of the geodetic network. Land registration lies with the local courts. Land subdivisions and cadastral surveys are carried out by private surveyors. After the visit at BEV Linz the group visited surveying company Kolbe-Grünzweil in Schwertberg, with a visit to new road construction site S10 to be informed about surveying work. Rudolf Kolbe is partner in the company and holds the certificate for cadastral work. It is the engineering and architectural organization Arch + Ing that issues certificates for cadastre. This is a "chamber" in which the authorized surveyor must be a member. Arc+Ing was visited and we were given a presentation of the authorization system. The last visit, during our stay in Austria was the GIS department of Land Oberösterreich, with the presentation of tasks and GIS system Doris.

What did we learn? The group learned that the systems for land administration and mapping in Austria are based on the Franziskaner cadastre which was established in the period

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