



ORDEM
DOS
ENGENHEIROS



**1st FIG
Young Surveyors
European Meeting**

FIL, Parque das Nações
Lisbon, Portugal

17–18 October 2013

1st FIG YOUNG SURVEYORS EUROPEAN MEETING

EUROPEAN YOUNG SURVEYORS
TOGETHER FOR TOMORROW'S CHALLENGES



FIL, Parque das Nações
Lisbon, Portugal

17-18 October 2013

WEBSITE

<http://figysn.ordemengenheiros.pt>

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The FIG Foundation



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Contents

- 4 INTRODUCTION**
 - 1st Young Surveyors European Meeting
- 5 WELCOME ADRESSES**
 - 5 Teresa Sá Pereira
 - 5 Eva-Maria Unger
 - 6 CheeHai Teo
 - 6 Jean Yves Pirlot
 - 6 John Hohol
- 7 PROGRAMME**
- 10 KEYNOTE SPEAKERS**
 - Jorge Maia Alves (Portugal)
 - Pedro Soares (Portugal)
 - Tim Goodhead (United Kingdom)
- 11 ABOUT**
 - 11 FIG
 - 11 FIG Foundation
 - 12 FIG-YSN
 - 12 Ordem dos Engenheiros
 - 13 CLGE
- 13 LISBON GEO-INFOS**
- 13 SOCIAL EVENTS**
- 14 ORGANISERS & TEAM**
 - Ordem dos Engenheiros
 - FIG – International Federation of Surveyors
 - YoungSurveyors Network

1st Young Surveyors European Meeting

After the great success of the 1st FIG Young Surveyors Conference held in Rome in May 2012 with more than 120 young surveyors in attendance, representing over 40 countries, the European Young Surveyors want to take the next step! It's time to get the European Young Surveyors moving and having a special European Young Surveyors meeting.

"European Young Surveyors: Together For Tomorrow's Challenges" is the theme of the meeting and will cover various topics announced in the programme.

For the meeting presentations, topics of focus include starting your own business, the current challenges and future needs of Young Surveyors, new technology applications and perspectives across Europe. Sessions will vary from presentations to discussions and break-out workshops.

This meeting is essential for European Young Surveyors – WE are the future – and this will be the kick-off event of the EUROPEAN YOUNG SURVEYORS NETWORK!

WELCOME ADDRESSES



TERESA SÁ PEREIRA President of the Geographical Engineering College | Portuguese Engineers Association

Dear Young Colleague,

I am very pleased to receive you in Lisbon, to attend the 1st FIG Young Surveyors European Meeting.

Co-organized by the Portuguese member of FIG – Ordem dos Engenheiros/Colégio de Engenharia Geográfica (Portuguese Engineers Association/Geographical Engineering College) and FIG Young Surveyors Network (YSN), this Meeting has the theme "European Young Surveyors together for tomorrow's challenges", chosen by the young organizers. As a consequence of the first Congress FIG YSN, held in Rome in 2012, the FIG Young Surveyors European Meeting will be the first meeting of the European Network of Young Surveyors.

The meeting, for young professionals by young professionals, has as the main objective of establishing a European network of young technicians and engineers of surveying and geographical information technologies in order to enhance international cooperation and promotion of contacts and knowledge.

I hope the Meeting can be useful for your future as a Surveyor who works directly or has a special interest for geographical information technologies, and can give you the strength to reinforce the Network that is intended to.

I hope you enjoy Lisbon and Portugal during your stay and that you can get the best out of them both: the Meeting and the city!



EVA-MARIA UNGER Chair-Elect of FIG-YSN

"European Young Surveyors together for tomorrow's challenges".

Well I guess there is nothing more to say about! It's a great opportunity to get together and taking over the role and responsibility we have in shaping the European Future of our Surveying profession and establishing a European branch of Young Surveyors.

What are our hopes and concerns relating to technology, standards, university curriculums etc. It's also an easy way in getting to know the FIG and CLGE, two leading surveying associations.

1st FIG Young Surveyors European Meeting – Portugal – 2013

WELCOME ADDRESSES



CHEEHAI TEO President of FIG

Colleagues and Friends,

I was interviewed recently and one of the questions raised relates to Youth. My response was the youth of today is the adult of tomorrow and the belief is that if we can more effectively address the issues, concerns and aspirations of the youth today, we could perhaps have a more dynamic and productive tomorrow. This belief equally applies to the Young Surveyors of today. FIG is encouraged and thankful to Ordem dos Engenheiros, our Member Association from Portugal, and FIG Young Surveyors Network

for this initiative to bring "European Young Surveyors together for tomorrow's challenges". The theme of this two-day event is most appropriate given the times and I particularly like the word "together". FIG is of the belief that together as a global professional community, together with all stakeholders, and working together, there will be betterment of our society, environment and economy together with relevance for our profession. I like to acknowledge and thank the FIG Foundation and Comité de Liaison des Géomètres Européens (CLGE) for coming together to support FIG Young Surveyors Network and Ordem dos Engenheiros in this initiative.



JEAN YVES PIRLOT President of CLGE

For ever Young?

For years the problem was that I thought that I remained young in my mind and that only my hull was (ch)a(n)ging.

It was clear for me that I belonged to the generation of those who would shape the professional future on their own. Nothing is less true.

We, the mature surveyors, are not young any more, not even in our minds. While aging, our connection to our successors becomes more and more precarious. Recognizing this, and knowing that the professions' future lays in the youth, CLGE has decided to invest heavily in this sector. For years we've voted on budgets to support youngsters in organising themselves but nothing moved.

Then we created the First STEP initiative (Students and Trainees Exchange Programme), we launched the CLGE Students' Meeting and our annual Stu-

dents' Contest. Our results were encouraging but not good enough. Eventually, we found this incredible opportunity created by the FIG Young Surveyors Network. We understood that FIG Young Surveyors from Europe were CLGE surveyors too. Therefore we didn't hesitate to join the FIG Foundation in supporting this 1st FIG Young Surveyors European Meeting. We strongly believe in this initiative and are convinced that the existence of a European Network of Surveyors, integrated in CLGE and FIG will enable us to quicken the realisation of our strategic goals.

We encourage all our member associations to support this Lisbon event. In these times of hardship, everybody will not be able to join Lisbon. At least they should join the Lisbon spirit and engage themselves with the European Young Surveyors Network and CLGE.

Good luck to all of you!



JOHN HOHOL President of FIG Foundation

The FIG Foundation Board of Directors is pleased to help support the first FIG Young Surveyors European meeting. One of our seven initiatives in our goal to help build a sustainable future is "To support by seed funding conferences, meetings of young surveyors and similar events". Therefore, we hope that our support of this inaugural event will lead to a great realization of a successful establishment of the FIG Young Surveyors Network European region.

1st FIG Young Surveyors European Meeting – Portugal – 2013

PROGRAMME

PROGRAMME

DAY 0			
WEDNESDAY – 16TH OCTOBER 2013 (IN PORTUGUESE ENGINEERS ASSOCIATION)			
19:30	Closing Ceremony of V International Training Course in Topography for YS and Icebreaker of the 1st FIG Young Surveyors European Meeting		
DAY 1			
THURSDAY – 17TH OCTOBER 2013			
08:00 – 09:00	Registration		
09:00 – 09:45	Opening Ceremony – Welcome by Representatives		
	CNEG	Teresa Sá Pereira	Portugal
	OE – Portuguese Engineers Association	Carlos Loureiro	Portugal
	FIG – International Federation of Surveyors	CheeHai Teo	Malaysia
	CLGE – Council of European Geodetic Surveyors	Jean-Yves Pirlot	Belgium
	FIG Foundation	John Hohol	U.S.A.
	FIG Young Surveyors Network	Eva-Maria Unger & Paula Dijkstra	Austria & The Netherlands
10:00 – 11:00	Future Risks, Challenges and Expectations		
	Introduction	Gustavo Palma	Portugal
	Keynote – Energy, Sustainability and Climate Change	Jorge Alves & Pedro Soares	Portugal
11:00 – 11:30	Coffee Break		
11:30 – 13:00	Technology Goes Horizon		
	Introduction	Eva-Maria Unger	Austria
	Technology Update by Platinum Sponsor Trimble	Keith Hofgartner	United Kingdom
	CLGE Student Contest Award – Students and Youngsters Engagement	Jean-Yves Pirlot	Belgium
	Winner(s) Presentation		
	Being a Surveyor's Daughter	Pinar Demirci	Turkey
	Future Vision about Developing Technology	Sandro Baptista	Portugal
	Picture of the group		
13:00 – 14:30	Lunch – Búfalo Grill Restaurant		
14:30 – 16:00	Work Session 1 – Meeting Our Future Network		
	<p>After an introduction the participants will be split into groups of approximately 20 persons, one group for each trainer. Since a lot of participants don't know each other, 30 minutes will be used to get to know each other. Important in these 30 minutes is also the trainer's career path: How the trainers got their role within the organisation and/or company, if and how they became an active member of a network or organisation in combination with a description of their tasks and also in relation to their daily job.</p> <p>Now that all persons in the group know each other, the group will work on a vision for the Young Surveyors in Europe. In this vision we try to find answers what the hopes are, how the network can help our profession and how a European group of Young Surveyors should look like.</p> <p>Of course we will use the end of the session to discuss the session and come up with a vision.</p>		
	Introduction – Short Presentation on the Content of the Work Session	Paula Dijkstra	The Netherlands
	Who is Who: getting to know each other in small groups	CheeHai Teo Jean-Yves Pirlot John Hohol Keith Hofgartner Carlos Gonzalves	Malaysia Belgium U.S.A. United Kingdom Portugal
	Break-out Session in Small Groups		
	Discussions	Paula Dijkstra	The Netherlands
16:00 – 16:30	Coffee Break		

1st FIG Young Surveyors European Meeting – Portugal – 2013

PROGRAMME

16:30 – 16:50	Technology Goes Horizon II		
	Introduction	Gustavo Palma	Portugal
	Technology Update by Platinum Sponsor Dravosa	Carlos Gonzales	Portugal
16:50 – 18:00	Technical Session – Get Inspired		
	In this session invited papers from Young Surveyors will be presented (five papers – ten min. each). Five Young Surveyors present their view on our profession to inspire the participants. The presentations are related to already successful in place Young Surveyors Networks or how to start and set up a Network also to the developments in education, the relation of young professionals to the labour market, the previously held V International Training Course in Topography and the use of social media and crowdsourcing within our profession.	Eva-Maria Unger	Austria
	How to Set Up a YS Network in Your Country	Gustavo Palma	Portugal
	Already Established YS Network	Erisem Qehaja	Albania
	Education & Labour Market	Bettine Baas	The Netherlands
	V International Training Course in Topography – lessons learned	Gianrico Baldini	Italy
	Social Media, Crowdsourcing in Relation to a Young Surveying Company	Bram van Londersele	Belgium
18:00 – 19:00	Dynamic Session – Challenges Throughout Europe		
	Learn about the current challenges throughout Europe. And all this in full speed! Get your seatbelt fasten and get to know the work and challenges of your colleagues. In this Dynamical Session participants have the possibility of presenting their papers related to the theme “Challenges Throughout Europe”. The theme was selected to be widespread so we can have all different kinds of presentations within the variety of our profession. New will be the presentation style. We are curious about new presentation styles and identified this event as one of the best possibilities to try them. The one we are using in this session will be Speed Geeking Presentation. A large room is selected as the speed geeking venue. All the presenters are arranged in a large circle along the edge of the room. The remaining members of the audience stand at the center of the room. Ideally there are about 10-15 audience members for each presenter. One person acts as the facilitator. The facilitator rings a bell to start proceedings. Once proceedings start, the audience splits up into groups and each group goes to one of the presenters. Presenters have a short duration, usually 5 minutes, to give their presentation and answer questions. At the end of the five minutes, the facilitator rings a bell. At this point, each group moves over to the presenter to their right and the timer starts once more. The session ends when every group has attended all the presentations.	Paula Dijkstra	The Netherlands
	Surveying in Spain Nowadays	Alicia Cañizares	Spain
	Preliminary Boundaries	Dave Bruyning	The Netherlands
	My Daily Work and Technical Developments We Are Working On	Sorta Vlad	Romania
	About the Court of Referees in the Field of Geodesy, Cadastre and Immovable Property in the Russian Federation	Daria Bolshakova	Russia
	The Role of GNSS Data for Water Vapor Monitoring	André Sá	Portugal
	Outcome and Feedback on the Presentation Style	Paula Dijkstra	The Netherlands
20:00 – 23:00	Dinner – Orizon Restaurant		
Day 2	Friday – 18th October 2013		
09:00 – 10:00	Europe and the Future		
	Recap from Day 1 and Introduction	Eva-Maria Unger	Austria
	Keynote – The Mobility of Young Surveyors Across Europe, the Role of a Young Surveyors Network	Tim Goodhead	United Kingdom
10:00 – 10:30	Technology Goes Horizon III		
	Introduction	Gustavo Palma	Portugal
	From Classical Surveying to GNSS Research: A Personal Perspective	Luis Serrano	Portugal
10:30 – 11:00	Coffee Break		

1st FIG Young Surveyors European Meeting – Portugal – 2013

PROGRAMME

11:00 – 11:30 We Want You!			
	Introduction	Eva-Maria Unger	Austria
	FIG Comission Presentation, CLGE Current Focus and Working Groups	Jean-Yves Pirlot & Eva-Maria Unger	Belgium & Austria
	FIG/CLGE – How Can I Contribute?		
11:30 – 13:00 Work Session 2 – Shaping Our Future			
	Young Surveyors show their responsibility and take over their role as agents of change! We show projects and possibilites to contribute! In this session we will present projects together with FIG, CLGE and compa-nies. Participants get the possibility of being involved in creating the projects or taking them to the next step.	Eva-Maria Unger	Austria
	Projects – small groups (30-40 participants), 1 project per group		
	Outcome and Presentations on Projects		
13:00 – 14:30 Lunch – Búfalo Grill Restaurant			
13:00 – 14:30 Technical Session 2 – Accelerating To The Next Gear			
	Learn about accelerating to the next gear. And all this in full speed and within a defined framework! Get to know the work and get inspired to accelerate to the next gear. In this Technical Session participants have the possibility of presenting their papers related to the theme “Accelerating to the next gear”. The session will be divided into 2 groups: one dealing with “Accelerate to the next gear within the Surveying Education” the other one dealing with “Accelerate to the next gear within Technology solutions”. New will be the presentation style. We are curious about new presentation styles and identified this event as one of the best possibilities to try them. The one we are using in this session will be Pecha Kucha Presentation. Pecha Kucha method is: 20 slides, 20 seconds for each slide. By introducing another new presentation style the participants have the possibility of presenting their papers in a fast pace. Since we are eager to learn, we want to share knowledge to as many people as possible! Sharing your topic in 20 slides with 20 seconds per slide so in approximately 7 min is a challenge, but a fun one. So be aware its easier to face this challenge by using pictures within the presentation and speak freely instead of overloading your presentation with text.		
	Introduction to Pecha Kucha and the Aim of This Session	Paula Dijkstra	The Netherlands
	<i>Accelerate To The Next Gear Within The Surveying Education</i>		
	Initiatives to Share International Experience Among Students	Veljko Latinovic	Serbia
	How to Provoke Young Surveyors to Get Involved (& use of FIG and CLGE on that matter)	Olga Bjelotomic	Croatia
	Student Initiatives Within Student Magazine Ekscentar	Diana Becirevic	Croatia
	The Role of Education to Attract Students and Improve the Profession	Michail Elaiopoulos	Italy
	<i>Accelerate To The Next Gear Within Technology Solutions</i>	Paula Dijkstra	The Netherlands
	Role of Cadastral Surveyor in Finland: present to future	Sami Mantere	Finland
	Innovative and Unconventional Approach Toward Analytical Cadastre Based on Genetic Algorithms	Anna Shnaidman	Israel
	Financial Issues Relating to Companies Occupying Commercial Premises	James Raven	United Kingdom
	A Spatial Snapshot: geo information gives a boost for infrastructural projects!	Christelle van den Berg	The Netherlands
	Low-Cost Integrated GNSS/INS for Surface Variation Monitoring	João Apolinário & Miguel Cordeiro	Portugal
	Outcome and Feedback on the Presentation Style	Paula Dijkstra	The Netherlands
16:00 – 16:30 Coffee Break			
16:30 – 17:00 Plenary Session			
	Introduction	Eva-Maria Unger	Austria
	Mentoring	João Agria Torres	Portugal
17:00 – 18:30 Closing Ceremony			
	OE – CNEG	Teresa Sá Pereira	Portugal
	OE – Portuguese Engineers Association	Carlos Matias Ramos	Portugal
	FIG Foundation	John Hohol	U.S.A.
	The Road Ahead Across Europe With CLGE	Jean-Yves Pirlot	Belgium
	Observations by FIG President	CheeHai Teo	Malaysia
	FIG Young Surveyors Network	Eva-Maria Unger & Paula Dijkstra	Austria & The Netherlands

ABOUT



The International Federation of Surveyors (FIG) is an international, non-government organisation whose purpose is to support international collaboration for the progress of surveying in all fields and applications.

FIG is the premier international organization representing the interests of surveyors worldwide. It is a federation of the national member associations and covers the whole range of professional fields within the global surveying community. It provides an international forum for discussion and development aiming to promote professional practice and standards.

FIG was founded in 1878 in Paris and was known as the Fédération Internationale des Géomètres. This has become anglicized to the International Federation of Surveyors. It is a UN-recognized non-government organization (NGO), representing more than 120 countries throughout the world, and its aim is to ensure that the disciplines of surveying and all who practise them meet the needs of the markets and communities that they serve.

For more information about FIG, its vision, role and its members have a look at the homepage: www.fig.net

Ten commissions lead FIG's technical work:

- Commission 1 – Professional Standards and Practice
- Commission 2 – Professional Education
- Commission 3 – Spatial Information Management
 - › 3-D Cadastre
- Commission 4 – Hydrography
- Commission 5 – Positioning and Measurement
 - › GNSS Developments and Modernization
- Commission 6 – Engineering Surveys
- Commission 7 – Cadastre and Land Management
 - › Cadastral template
 - › 3-D Cadastre
 - › Cadastre 2014
- Commission 8 – Spatial Planning and Development
 - › African Task Force
- Commission 9 – Valuation and the Management of Real Estate
- Commission 10 – Construction Economics and Management

Each member association appoints a delegate to each of the commissions. Detailed information on the work of the commissions, their work plans, working groups, seminars, newsletters and publications can be found at www.fig.net/com



The FIG Foundation

The purpose of the Foundation is the funding of educational and capacity building projects and scholarships. The foundation gives grants and scholarships to projects, for instance to develop curricula for surveying education, training and capacity building, especially in developing countries. And it supports by seed funding

conferences, meetings of young surveyors and similar events in co-operation with international agencies such as the United Nations.

For more information about the FIG Foundation and their grants have a look here: www.fig.net/figfoundation

1st FIG Young Surveyors European Meeting – Portugal – 2013

ABOUT



The FIG Young Surveyors Network was established as Commission 1 Working Group 1.2 Young Surveyors at the FIG Congress in Munich in 2006. The reason that this working group was started in the first place was to bring more young surveyors into the network in FIG and because of the age structure within the surveying community in the western world.

Rome wasn't built in one day and neither was this working group. But since 2006 we have come quite a long way and in 2009 the working group was upgraded to a Young Surveyors Network in Eilat, Israel. In the creation of the Young Surveyors Network within FIG a lot of experience and input has been gathered throughout the years.

We are on the way to create a global network, and we are sure that there are many young surveyors throughout the world who want to take part in this network.

With this meeting we are especially addressing the European Young Surveyors. It is the first of its kind in Europe organised by the FIG Young Surveyors Network and its great aim is to establish a European Branch of the FIG Young Surveyors Network working closely together with CLGE.

For more information about the Network and the current workplan have a look at the homepage: www.fig.net/ys/index.htm



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The Portuguese Engineers Association

The Ordem dos Engenheiros (OE, Portuguese Engineers Association) is a public professional association that dates back to the 19th century, being the heiress of the Portuguese Association of Civil Engineers, founded in 1868.

Its main mission is to contribute to the progress of engineering, stimulating the efforts of its members in scientific, professional and social areas, as well as complying with rules of ethics and professional deontology. It is independent of State bodies and has administrative, financial, scientific and regulatory autonomy.

On the 31st of December, 2012, the OE had nearly 47.000 registered members, which makes it the second largest professional association in Portugal.

The OE is the only Portuguese institution that can assign the professional title of Engineer, granting titles and levels of professional qualification.

Throughout its history, this professional association has been a permanent ally of quality, through the defense of demanding higher education based on accuracy, as well as competent professional practices and respectful of ethics.

Members of the Portuguese Engineers Association are grouped in colleges, according to the expertise. There are twelve colleges: Mechanical, Agronomy, Environment, Civil, Electrical, Geographical, Chemical and Biological, Naval Architecture, Materials, Computer Science, Geology and Mining, Forest.

The College of Geographical Engineering, member of FIG, gathers engineers from the courses of geographical, surveying and hydrographical engineering and is one of the smallest groups within the Association.

All about the Portuguese Engineers Association in www.ordemengenheiros.pt



Council of European Geodetic Surveyors

The Comité de Liaison des Géomètres Européens (CLGE) had its Jubilee in 2012. It was founded in the cradle of the Fédération Internationale des Géomètres (FIG, www.fig.net) in 1962 and thus exists over 50 years. During the FIG Congress in Wiesbaden in 1972, CLGE got its current name. Its original objective was to consider the implementation of the Treaty of Rome in relation to the geodetic surveying profession.

CLGE represents and promotes the geodetic surveying profession within Europe through:

- A permanent forum for Geodetic Surveyors working in Europe;
- A commitment to cooperation and partnership within the profession in Europe;

- Exchange of knowledge and expertise between professionals across national and international borders;
- Provision of consultation and advice to member countries, national associations and the European Union;
- Maintenance and enhancement of professional qualifications and standards of service throughout member countries;
- Representation of the profession to European authorities and governments;
- Participation in other relevant organisations within Europe and worldwide.

For more information have a look at CLGE's Homepage: www.clge.eu/home

LISBON GEO-INFOS

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Rua Bojador, Parque das Nações
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Tel.: 218 921 500 | Fax: 218 921 555

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SOCIAL EVENTS

17th OCTOBER

OFFICIAL DINNER AT ORIZON RESTAURANT
(Close to the meeting venue)

18th OCTOBER

PORTO DE HONRA* & OUT-OF-THE-BOX
(Informal social event - after the meeting)

And more ideas
to enjoy Lisbon

10-20th OCTOBER

RESTAURANT WEEK 2013

20th OCTOBER

NIGHT RUN LISBOA 2013

(we have a discount for you...You can run at Lisbon with 15 euros only. You can register in the race, during the Meeting – talk with the LOC about this)

* "Porto de Honra" is an informal cocktail party, offered by Lisbon Municipality.

This social event will take place in "Cordoaria Nacional" (east Tower), a National heritage related with Portuguese maritime history.

ORGANISERS & TEAM

Geographical Engineering College



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Conselho Nacional de Colégio
de Engenharia Geográfica



International
Federation
of Surveyors
Young Surveyors
Network

YSN-FIG



Eva-Maria Unger



Paula Dijkstra

LOC Youth



André Sá



Edgar Barreira



Gonçalo Maia



Gustavo Palma

LOC Senior



Carlos Antunes



Luís Santos



Maria João Henriques



Teresa Sá Pereira



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