

PRELIMINARY PROGRAM

6YSEM :: Mapping the Path to Sustainability

Day 1	Friday, 11th of October 2019
8:30-9:00	Registration
9:00-9:50	Welcoming Addresses
	<p>The welcoming addresses of the 6th European Young Surveyors Meeting will provide the opportunity for young surveyors to hear from distinguished guests from Geodecision, FIG, FIG Foundation, and the FIG Young Surveyors Network. These welcoming and associated presentations will set the agenda for the one day meeting and focus on the theme: Mapping the Path to Sustainability.</p> <ul style="list-style-type: none">→ <u>Rudolf Staiger</u> :: FIG President→ <u>Mairolt Kakko</u> :: CLGE Vice-President→ <u>João Agria Torres</u> :: Ordem dos Engenheiros - Colégio de Engenharia Geográfica President→ <u>Kwabena Obeng Asiama</u> :: FIG YSN Vice-Chair
10:00 - 10:30	Session 1: Part 1 Geodecision @ #6YSEM
	<ul style="list-style-type: none">→ <u>Rudolf Staiger</u> :: FIG President→ <u>Nigel Sellars</u> :: RICS Associate Director
10:30-11:00	Coffee Break + Network Activity
11:00-12:30	Session 1: Part 2 Geodecision @ #6YSEM
	<ul style="list-style-type: none">→ <u>Ozan Koseoglu</u> :: Digital Living Services CEO→ <u>Carlos Antunes</u> :: University of Lisbon Professor
12:30-13:30	Lunch @ "Sei lá" Restaurant
13:30-14:30	Session 2: Developing Surveyors within Society
	<p>The key to maintaining sustainability within the geospatial industry lies in the engagement and making opportunities for the next generation. In this session we will hear from young surveyors from around the world on subjects ranging from grassroots engagement, to mentoring, and much more. Several presenters will speak about their professional paths, inspiring and giving the best tips on how a young professional can grow their career.</p> <ul style="list-style-type: none">→ <u>Martine Elderinke & Simone Emens</u> :: FIG :: FIG Working Week 2020→ <u>Kwabena Obeng Asiama</u> :: FIG YSN :: YS Workplan 2019-2020→ <u>Ferah Pirlanta Koksal</u> :: CLGE FIG Young Surveyors European Representative→ <u>Gozde Kavas</u> :: FIG Foundation Grant Winner :: Construction of 1915 Çanakkale Bridge The 1915 Çanakkale Bridge when constructed will be the world's longest suspension bridge, spanning 2023 meters and will make the seventh connection between Asia and Europe; Godze will give an overview of the project.→ <u>Ilesanmi Adewale</u> :: FIG Foundation Grant Winner :: Practical ways of promoting women's participation in the field of surveying Technological advancement has made surveying processes to become more simplified, thus, changing the landscape of the industry. Despite this development, researches have revealed that women around the world have less presence in spatial sciences which has resulted in a low level of participation in policy implementation and decision-making as an essential part of sustainable development strategies within the global surveying community. Ilesanmi will explore some research in this area, and discuss some practical solutions.
14:45 - 15:15	Afternoon Tea

15:15 - 16:50	Session 3: HERE XYZ and Developer Portal Workshop
	<p>→ Richard Sueselbeck :: Principal Developer Evangelist @ Here Technologies Berlin</p> <p>On the first part participants will be introduced to HERE XYZ, a cloud-based, real-time location data management service that enables developers and map makers to create web maps and manage location data.</p> <p>On the second part the focus will be HERE Developer Portal with our APIs and SDKs for maps, location-aware web and mobile apps. Also it will be touched the HERE Freemium, a plan where you'll have everything you need to build location-aware applications. Our expansive range of APIs and SDKs are intuitive and reliable, with high transaction thresholds.</p>
16:50	Cultural Activity :: Cálem Port Wine Cellars - Wine Tasting and Fado Show
20:00	Dinner
Day 2	Saturday 12th of October, 2019
09:00 - 09:15	Charity Walking Tour Sneak Peek
	<p>→ Inês Vilas Boas :: Activity Introduction</p> <p>→ Vera Santos :: Forestis :: Organization presentation and charity activity purpose</p>
09:15 - 10:40	Session 4: Evolutions in Geospatial Technology
	<p>We are a profession in the midst of constant technological evolution, and it is essential for the geospatial industry to keep abreast the opportunities that this evolving environment provides. A selection of companies and individuals will share why they are embracing new technologies and ideas, and how they are utilising them to work towards a more sustainable future.</p> <p>→ Matteo Tagliani :: Studio Tecnico MT :: Speleology and Laser Scanning</p> <p>The Speleologist, when exploring caves, has first impulse to understand their size, measure and geo-localize it. This paper presents case studies conducted by "Studio Tecnico MT" and "Persephone Exploring Association" in the Republic of Macedonia territory, where, through the integration of "Lidar techniques", "Digital Photogrammetric" and "Panoramic Virtual Tour", caves were surveyed, analyzed and reported.</p> <p>→ Anca Pavaloiu :: FIG Foundation Grant Winner :: Digital Orthophoto/Aerial Images from U.A.V</p> <p>UAV methodologies are explored for topographical and cadastral surveys, and several real-world examples provided.</p> <p>→ Merve Keskin :: FIG Foundation Grant Winner :: Eye-tracking technology in Cartography</p> <p>This paper focuses on the design of a cartographic user experiment that employs both eye tracking (ET) and electroencephalogram (EEG) to explore the cognitive strategies of expert and novice map users.</p> <p>→ Merve Keskin :: Interactive Activity - Eye-Tracking Workshop using EyeTribe</p>
10:40 - 11:10	Coffee Break
11:10 - 12:30	Session 5: Surveying our Changing Environment
	<p>Our global environment is changing at an ever increasing rate, and measuring this change is the mandate of our profession. Prepare to be inspired as we gain insight into several impressive projects our presenters have been working on.</p> <p>→ Lia Duarte :: University of Porto :: QGIS Applications for Modelling Environmental Risk</p> <p>Geographical Information Systems (GIS) provide the tools required to correctly identify, quantify and evaluate the risk intensity and mapping functions to support the decisions commonly in ecological,</p>

	<p>environmental, geological and other areas. A set of GIS open source applications were developed under QGIS software incorporating environmental risk models, specifically the evaluation of groundwater vulnerability to pollution, mapping the soil erosion, the creation of dynamic temperature maps to monitor the temperature variations in a self-burning coal waste pile, and the estimation of vegetation phenology metrics.</p> <p>→ <u>Dora Roque</u> :: LNEC :: SAR data to monitor a changing world - from floods to structures</p> <p>Climate change impacts our world in both direct and indirect ways. On one hand, natural disasters are occurring more often. On the other hand, extreme meteorological events apply larger loads on structures that were not designed for those scenarios. In this presentation, examples of how different types of data obtained from SAR images can be used to monitor disasters and the response of structures to those changes will be shown.</p> <p>→ <u>Inês Vilas Boas</u> :: FIG YSN :: ArcGIS Online Follow-up</p> <p>The ArcGIS Online account for YSN was created last year after the successful first set of sessions done by YSN on Esri User Conference in San Diego, California. After almost one year of having this account, we will show how was the process to select users and how they have been</p> <p>→ <u>Mapillary technology showcase and workshop</u></p>
12:30 - 13:30	Lunch @ "Sei lá" Restaurant
13:30 - 14:30	Session 6: Mapping for Sustainable Communities
	<p>Making geospatial technology available to everyone has the ability to empower. This session covers some exemplary initiatives in community mapping and land tenure in developing nations.</p> <p>→ <u>Cidália Fonte</u> :: University of Coimbra :: The potential role of Volunteered Geographic Information (VGI) for mapping</p> <p>A wide variety of Volunteered Geographic Information (VGI) is now available, such as photographs, georeferenced text and vector maps. Some of these data enables the extraction of valuable information that may be used for mapping. However, the use of VGI raises several problems. In this presentation the potential and limitations of using VGI for the creation and validation of Land Use / Land Cover Maps (LULCM) are explained.</p> <p>→ <u>Anna Schnaidman</u> :: University of Delft :: Modern Land Administration Systems</p> <p>The presentation will address the following topics: aspects of the modern land administration systems, various components and stakeholders that play a significant role in the way land related processes are being conducted; the importance of standardization, LADM and LADM revision and some features of fit-for-purpose and 3D Cadastre.</p> <p>→ <u>Divyani Kohli</u> :: University of Twente :: Seeing the Slum from Above: Informality, Slums and Mapping</p> <p>The presentation will be about mapping informal areas and slums using remote sensing based methods. It will include examples of identification and characterization of informal areas that could also potentially support land administration.</p>
14:30 - 15:00	Closing Session
15:00 - 15:15	Afternoon Tea
15:15 - 17:30	Charity Walking Tour with Mapillary
	<p>The Charity Walking Tour has the purpose of showing the city centre and the most interesting places in the beautiful city of Porto to all the participants, while acquiring data using Mapillary's mobile app. FIG YSN will donate the profits of this activity to two non-profit organizations: FIG Foundation (international non-profit organization) and Forestis (national non-profit organization).</p>