

The FIG Foundation- Building a Sustainable Future: A Report on Activities Supported by Foundation Grants

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Key Words: Curricula; Education; Implementation of plans; Professional practice; Standards

SUMMARY:

Some of the key challenges to the growth and maintenance of FIG and the global surveying community is to encourage young people to enter the profession as well as finding ways to support education, especially in developing countries. This means building a sustainable future.

The FIG Foundation has a mandate to do this through the awarding of grants in support of these efforts.

This presentation presents the awards granted and discusses the challenges of building a sustainable future.

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1. INTRODUCTION

Key to the future of surveying in general and FIG in particular is the critical importance of ensuring a vibrant and dependable flow of able young people into the surveying profession. Much discussion has been made of the difficulties in maintaining surveying education programs and recruiting enthusiastic and talented young people. It is most critical that FIG and the global surveying community support these efforts, most especially in developing countries.

2. CHRONOLOGY OF FIG FOUNDATION

The FIG Education Foundation was established in 1996 as a public company under the Corporation Laws of Australia.

In 2000 the administration of the FIG Education Foundation was transferred to the FIG permanent office in Copenhagen. The General Assembly of FIG adopted the new Statutes for the FIG Foundation at its meeting in Seoul 11 May 2001. At the same time the original FIG Education Foundation was closed and the new FIG Foundation officially opened under the FIG umbrella.

3. THE FIG FOUNDATION- WHAT IS IT?

The FIG Foundation is an independent body under the International Federation of Surveyors.

- The Foundation has been established for the purpose of raising funds to finance surveying education development projects and supporting young surveyors in order to build a sustainable future.
- The Foundation aims to raise a fund of 1 million US Dollars in the coming years. This will allow activities to be funded by using the annual interest. Until then the Foundation May use 50 per cent of its annual income for supporting its aims.
- The Foundation funds shall not be used to support the normal activities of FIG.
- The Foundation is administered by the FIG Office in Copenhagen and directed by a Board of Directors appointed by the FIG Council.

- The Directors of the Foundation will announce every year the scholarships and grants available. The Directors will also announce the distribution of funds and promote the results of supported projects.

4. OBJECTIVES OF THE FIG FOUNDATION

The objects for which the Foundation is established are:

- To give grants and scholarships to projects, for instance to develop curricula for surveying education and capacity building, especially in developing countries;
- To promote high standards of education and training for surveyors and to facilitate continuing professional development;
- To educate people in the disciplines of surveying, particularly in developing countries and countries in transition;
- To promote virtual academies and the use of distance learning in surveying education;
- To encourage research into all disciplines of surveying and to disseminate the results of that research;
- To promote the exchange of surveying personnel for greater understanding of all facets of the profession of surveying;
- To support by seed funding conferences and similar events in co-operation with international agencies such as the United Nations.

5. THE FIG FOUNDATION WILL...

Build a Sustainable Future by:

- Giving grants and scholarships to support curricula development and capacity building, especially in developing countries
- Promoting high standards of surveying education and facilitating CPD (Continuous Professional Development) activities

- Promoting virtual academies and the use of distance learning in surveying education
- Encouraging research activities and the dissemination of research results
- Promoting the exchange of young surveying personnel
- Supporting conferences and other events by seed funding in co-operation with international agencies such as the United Nations and World Bank.

6. FIG GRANTS

6.1 FIG Grants- 2014

- In 2014 the FIG Foundation awarded eight Young Surveyors Conference Fellowships to provide funding for eight young surveyors from the six World regions plus two additional from developing countries to cover the costs to attend and participate in the FIG Congress in Kuala Lumpur. These were awarded to:

Odil AKBAROV (Uzbekistan),
 Asmae AZZIOUI (Morocco),
 Chandan DAS (Nepal),
 Jonathan GUSTAFSON (USA)
 Odkhuu KHALZAN (Mongolia)
 Melissa ROBERT (Uruguay)
 Irena ROJKO (Slovenia)
 Emily TIDEY (New Zealand)

- Simon Hull, University of Cape Town, South Africa received a scholarship of 4000 EUR to conduct a research trip to the Netherlands and Germany during September and October 2014.
- Jamal Browne, The UWI St. Augustine, Trinidad And Tobago was supported with USD1000 (approx. 730 EUR) to support his participation at the World Bank Land & Poverty, March 2014 Conference.
- FIG Foundation also provided funding to support participation of the FIG Young Surveyors Network by Eva-Maria Unger to go to the World Bank Land & Poverty Conference, March 2014, in Washington, DC and the FIG Young Surveyors North American Meeting April 2014 in San Diego, California.
- The National Society of Professional Surveyors (NSPS), USA was supported with 2,500 USD to conduct the Young Surveyors meeting in North America.
- CNGeGL, Italy was supported with 2000 EUR to help Young Surveyors to attend the

Commission 3 Workshop 4-7 November 2014 in Bologna, Italy.

- The 2nd FIG Young Surveyors European Meeting in Berlin, Germany was supported with 5,000 EUR. Six Young Surveyors were granted a scholarship:

Xhemal ISLAMI (Macedonia)

Eftychia KALOGIANNI (Greece)

Ferah Pirlanta KÖKSAL (Turkey)

Jakov MAGANIĆ (Croatia)

Milos PANDZIC (Serbia)

Eva Maria Unger (Austria)

In total 2,405 EUR of the 5000 EUR was used. Thus 2,595 EUR is transferred to the Young Surveyors for 2015.

In total 42,403 EUR was received in income and 39,940 EUR was spent in 2015

6.2 FIG Grants- 2015

- In 2015 the FIG Foundation awarded grants in the amount of 11,720 euros to 13 young surveyors to attend and participate in the FIG Working Week 2015 in Sofia, Bulgaria. These were awarded to:

Nur Zurairah ABDUL HALIM (Malaysia)

Marina DAVIDOVIC (Serbia)

Casper FIBAEK (Denmark)

Franka GRUBIŠIĆ (Croatia)

Tomislav HORVAT (Croatia)

Konstantina MANGINA (Greece)

Miljana PLJEVALJICIC (Serbia)

Erisem QEHAJA (Albania)

Georgios RIGOPOULOS (Greece)

Melissa ROBERT (Uruguay)

Aliona SCUTELNIC (Moldova)

Kelvin Kang Wee TANG (Malaysia)

Benedicta Amarachi UGWULEBO (Nigeria)

- The FIG Foundation Board of Directors has also approved a grant to Ms Melissa Robert, Uruguay in the amount of 2500 euros in support of attending several conferences to make presentations promoting the FIG Young Surveyors Network and FIG in South America.

- CNGeGL, Italy was supported with 3000 EUR to help Young Surveyors to attend the International Summer School for Surveying, Milan, Italy

In total 84,983.65 EUR was received in income and 17,220 EUR was spent in 2015

6.3 FIG Grants- 2016

For 2016, two different grants were offered, an academic research grant and a PhD grant.

For the academic research grant FIG Foundation has received three applications, however all were rejected due to the fact that they did not fulfil the requirements.

- FIG Foundation received 6 applications for PhD. grant. One was accepted: Wallace Mukupa, University of Nottingham Ningbo China, Structural Change Detection and Deformation Monitoring. Mr Wallace Mukupa has received EUR 4,000 which are planned to be used for his project. Included in the grant was also EUR 3,000 to participate in the FIG Working Week 2017 if his paper was accepted as a peer review paper.

- In 2016 the FIG Foundation awarded grants totalling 4000 to Young Surveyors to participate in the Working Week in Christchurch, New Zealand, and 2,500 USD to support two participants to the SIDS Workshop and FIG Working Week. Unfortunately, it was only possible to find one to sponsor to the SIDS Workshop with in total 1,250 USD:

Chethna Ben, Fiji, Assistant Lecturer, University of the South Pacific, School of Land Management and Development.

The four Young Surveyors were:

- Donmarl Camua, Philippines
- Suman Baral, Nepal
- Maitena Navarro, Argentina
- Kelvin Tang , Malaysia

- Ms. Melissa Robert, Uruguay was approved a grant in 2016 2,000 EUR to support her attendance at the 2nd FIG Young Surveyors North American meeting in February 2016 and the XIV Congreso Internacional de Topografía, Catastro, Geodesia y Geomatica in September 2016 in Costa Rica. At the same time FIG and FIG Foundation extend a special thanks to Ms Melissa Roberts for her work on the promotion of FIG in the Latin American area. Further to this Melissa Roberts was supported to the YS meeting in Argentina with 1,000 EUR

- YS European Meeting in Amsterdam received 5,000 EUR.

- The Board has approved a grant requested by the Chair of FIG Commission 3 Chair, to support young surveyors to attend and participate in the Commission 3 Annual Meeting and Workshop, 3-6 November 2016 in Iasi, Romania. The grant awarded was 3000 EUR.

In total 22,461 EUR was received in income and 19,811 EUR was spent in 2016

6.4 FIG Grants- 2017

6.5 FIG FOUNDATION Grants 2002-2017

<u>2002</u>	<u>2003</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>
13220	6170	6000	7400	6950	11220	500	6100	3650	8000	26450	22000	39950	15050
<u>2016</u>	<u>2017</u>												
18750	23800												

Total (2002-2017): 65 Grants / 215 210 €

	<u>Applications</u>	<u>Grants</u>
2002	20	12
2003	15	7
2004	12	4
2005	14	7
2006	9	3
2007	12	3
2008	10	1
2009	15	7
2010	6	3
2011	0	4
2012	38	19
2013	24	11
2014	1426	19
2015	87	15
2016	74	10
2017	126	11

6.6 Distribution OF FIG FOUNDATION Grants 2002-2017

Argentina	Moldova
Australia	Mongolia
Bahamas	Morocco
Botswana	Namibia
Brazil	Nepal
Bulgaria	Netherlands
Canada	New Zealand
China	Nigeria
Columbia	Pakistan
Croatia	Philippines
Denmark	Poland
Egypt	Rwanda
Eritrea	St. Vincent
Fiji	Senegal
Finland	Serbia
Germany	Slovenia
Ghana	South Africa Spain
Greece	Sweden
Honduras	Switzerland
India	Turkey
Indonesia	Uganda
Israel	Ukraine
Italy	United Kingdom
Jamaica	United States
Kenya	Uruguay
Lesotho	Uzbekistan
Macedonia	Zambia
Malawi	Zimbabwe

CHALLENGES

- Increased participation from developing countries
- Concise detailed information in written proposals
- Reasonable estimate of costs/success of proposed grant requests
- Timely status/completion of reports to Foundation

- Potential for cooperative work with others such as World Bank, UN-Habitat, FIG Corporate Members, etc.
- More interaction with students and young professionals

THE FIG FOUNDATION- HOW CAN I CONTRIBUTE?

Companies, associations, institutions, events, surveyors' groups and individuals May contribute to the Foundation by:

- Donations which will be recognized by a plaque or a certificate of different categories reflecting the amount of donation. All contributions will also be recognized in the FIG Annual Review
- Donations to support specific projects or by offering scholarships. Donors and Benefactors May use the FIG Foundation logo to promote their project donations or scholarships
- Voluntary donation when registering to FIG events
- Attending social functions such as the FIG Foundation dinners held during FIG Congresses and events

FIG FOUNDATION BOARD OF DIRECTORS

- John D Hohol (USA), President
- Mike Barry (Canada), Director
- Liza Groenendijk (Netherlands), Director
- Orhan Ercan (Turkey), Director
- Daniel Steudler (Switzerland), Director

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REFERENCES

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Decision of FIG Foundation Board of Directors- Awarding of Grants 2002-2003-2004-2005-2006-2007-2008-2009-2010-2011-2012-2013-2014-2015-2016-2017

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