

International Federation of Surveyors
Fédération Internationale des Géomètres
Internationale Vereinigung der Vermessungsingenieure



International Federation of Surveyors

General Assembly

MINUTES AND APPENDICES

6 and 10 May 2013

Nicon Luxury Hotel, Abuja, Nigeria

INTERNATIONAL FEDERATION OF SURVEYORS**FIG 36th GENERAL ASSEMBLY****6 and 10 May 2013****Conference Hall, Nicon Luxury Hotel, Abuja, Nigeria****PROGRAMME**

Monday, 6 May 2013		
Nicon Luxury Hotel, Abuja, Nigeria		
Monday 6 May	09:00-12:00 13:00-15:00 Conference Hall at Nicon Luxury Hotel	General Assembly, First Session
Monday 6 May	16:00-18:00 Nicon Luxury Hotel, Pool Side Area	Welcome Reception
Tuesday, 7 May – Thursday, 9 May 2013		
FIG Working Week 2013		
International Conference Centre and Nicon Luxury Hotel		
www.fig.net/fig2013		
Wednesday 8 May	18:00-19:00 Tbc Nicon Luxury Hotel	Reception for participants of GLTN/FIG Surveyor Generals Roundtable, Presidents or Heads of Delegation of Member Associations and main sponsors (by invitation only)
Friday, 10 May 2013		
Conference Hall, Nicon Luxury Hotel		
Friday 10 May	08:30-10:30 Tbc Nicon Luxury Hotel	FIG President's Meeting For Presidents or Heads of Delegation of Member Associations (or their representatives) By invitation only
Friday 10 May	11:00–12:30 13:30-15:00 Conference Hall, Nicon Luxury Hotel	General Assembly, Second Session
Friday 10 May	15:00-16:00 Conference Hall, Nicon Luxury Hotel	Closing Ceremony Closing ceremony will start immediately after the General Assembly and will be followed by the Farewell Reception hosted by the Association of Authorised Land Surveyors Malaysia, (PEJUTA), host of FIG 25 th Congress 2014.

FIG 36th GENERAL ASSEMBLY

List of Agenda Items

Monday, 6 May, 09:00-12:00 and 13:00-15:00

1. OPENING PROCEEDINGS
2. ROLL CALL
3. APPOINTMENT OF TELLERS
4. ADOPTION OF THE AGENDA
5. ADOPTION OF THE MINUTES OF THE 35th GENERAL ASSEMBLY
6. MEMBERSHIP
7. PRESIDENT'S REPORT
8. REPORTS FROM FIG COMMISSIONS AND FIG NETWORKS 2012-2013
9. REPORTS OF FIG TASK FORCES 2012-2013
10. REPORTS FROM THE DIRECTORS OF PERMANENT INSTITUTIONS 2012-2013
11. REPORT OF THE PRESIDENT OF THE FIG FOUNDATION 2012-2013
12. CO-OPERATION WITH THE UNITED NATIONS AND THE WORLD BANK
13. LIAISON WITH INTERNATIONAL PROFESSIONAL ORGANISATIONS
14. FIG ACCOUNTS FOR 2012, AUDITOR'S REPORT AND BUDGETS 2013-2016
15. SUBSCRIPTION RATES FOR 2015
16. VENUE FOR FIG WORKING WEEK 2017
17. REPORT ON THE FIG WORKING WEEK 2016 IN CHRISTCHURCH, NEW ZEALAND
18. REPORT ON THE FIG WORKING WEEK 2015 IN SOFIA, BULGARIA

Friday, 10 May, 08:30-10:30

19. FIG PRESIDENT'S MEETING

Friday, 10 May, 11:00-12:30 and 13:30-15:00

20. ROLL CALL
21. MEMBERSHIP
22. REPORTS FROM MEMBER ASSOCIATION'S FORUM; AFFILIATE (DIRECTOR-GENERAL'S) FORUM AND ACADEMIC MEMBERS FORUM
23. CO-OPERATION WITH FIG CORPORATE MEMBERS
24. REPORTS FROM ACCO
25. REPORT ON THE FIG CONGRESS 2014 IN KUALA LUMPUR, MALAYSIA
26. CLOSING PROCEEDINGS

FIG 36th GENERAL ASSEMBLY

MINUTES

for the meetings held on Monday 6th May and on Friday 10th May in Conference Hall, Nicon Luxury Hotel, Abuja, Nigeria

MONDAY, 6 MAY

**Monday, 6 May, 09:00-12:00 and 13:00-15:00
in Conference Hall, Nicon Luxury Hotel
General Assembly, First Session**

1. OPENING PROCEEDINGS

President CheeHai Teo opened the 36th General Assembly and welcomed the members and delegates to Abuja, Nigeria and the third General Assembly of the current four-year term.

The President expressed his gratitude to members and delegates for their participation and acknowledged the efforts of NIS and the local organising committee to assure the security and safety and a successful Working Week which is the biggest ever in FIG history, with 2500 participants from around 40 countries and with a very strong Nigerian attendance.

The President expressed condolences and the general assembly observed a moment of silence for the memory of those colleagues passed away after the General Assembly in Rome: Honorary President C. H. (Charlie) Weir, Canada, Honorary President William A Radlinski U.S.A., Honorary Member John van den Berg, Finland, Honorary Member Seppo Härmälä, Finland. Finally Volker Böder, a Commission 4 Vice-Chair who died in a tragic accident when on duty in September 2012.

The President welcomed Honorary President Stig Enemark to the meeting and noted several greetings and apologies that were received from member associations and other members.

2. ROLL CALL

Vice President Rudolf Staiger took the roll call. The roll call was made only for member associations. Delegates representing affiliate members, academic members, corporate members and correspondents as well as honorary presidents and honorary members were entered based on their registrations and information given to the FIG Office.

Referring to the decision of the General Assembly in 2006 only those member associations that had paid all their membership fees to the end of 2012 were allowed to vote at the meeting. A list of member associations that were not allowed to vote was published on the FIG web site on 12 April and updated on 5 May 2013.

Appendix to items 2 & 20: Roll Call

Appendix to items 2 & 20: List of member associations that are not allowed to vote at the General Assembly because of unpaid membership fees for 2012 and earlier. Updated 10 May 2013.

37 member associations out of 103 were present at this session which is more than one third of the membership needed for a quorum for the General Assembly. 34 member associations were allowed to vote.

Motion: That members present are recorded in the minutes.

Decision: The motion was adopted.

3. APPOINTMENT OF TELLERS

The General Assembly shall appoint two persons as tellers following the principle that the tellers will represent member associations hosting the preceding and the current General Assembly. Since Italy was not present this year, tellers from the current and the future host were suggested.

Motion: That the General Assembly appoints President Bode Adeaga from NIS, Nigeria and President Mohammad Azmi Mohd Zin from Malaysia.

Decision: The motion was adopted.

4. ADOPTION OF THE AGENDA

Motion: That the agenda be adopted with the addition to add to item 6 Membership: Appointment of Honorary member and to Item 8: Appointment of Commission 10 Chair Elect.

Decision: The motion was adopted.

5. ADOPTION OF THE MINUTES OF THE 35th GENERAL ASSEMBLY

Minutes have been circulated previously.

Appendix to item 5: Minutes of the General Assembly in Rome, Italy, May 2012, without appendices.

Motion: That the minutes be adopted as recorded.

Decision: The motion was adopted.

6. MEMBERSHIP

6.1 Acceptance of new member associations

6.1.1 Association des Professionnels de l'Ingenierie Topographique du Gabon, APIT Gabon

Association des Professionnels de l'Ingenierie Topographique du Gabon, APIT Gabon (MA-10122) has submitted an application to become a member association from Gabon. The association was constituted in 2011 and currently has 40 qualified members. The application meets the criteria for membership in FIG as a member association. The Council has considered the application and believes that the association meets criteria for membership of FIG as a member association.

Appendix to item 6.1.1: Membership application from Association des Professionnels de l'Ingenierie Topographique du Gabon, APIT Gabon

Motion: That the General Assembly admits the Association des Professionnels de l'Ingenierie Topographique du Gabon, APIT Gabon to become a member association of FIG.

Decision: The motion was adopted and the FIG President presented Mr. Nguema Ondo Samuel, President of APIT the membership certificate.

6.1.2 Bahamas Association of Land Surveyors (BALS)

Bahamas Association of Land Surveyors (BALS) was member of FIG until 2007 where they were expelled at the General Assembly. In 2013 FIG received their old arrears and Bahamas Association of Land Surveyors is applying to re-enter as member association. FIG Council has considered their application and believes that the association meets the criteria to be re-admitted into FIG as a member association.

Motion: That the General Assembly restore Bahamas Association of Land Surveyors (BALS) as member association of FIG.

Decision: The motion was adopted.

6.2 Other member association issues

6.2.1 The Society of Chartered Surveyors, Ireland

The Society of Chartered Surveyors has merged with RICS, United Kingdom, and has therefore terminated its membership with FIG since they are now represented through RICS. FIG Council has agreed to move the membership to RICS.

Motion: That the General Assembly records the decision of the Council to migrate the SCS membership in FIG to RICS.

Decision: The motion was adopted.

6.2.2 The Appraisal Institute, United States

The Appraisal Institute has decided to terminate their membership with FIG.

Motion: That the General Assembly records the decision of the Appraisal Institute to terminate their membership of FIG.

Decision: The motion was adopted with regrets.

6.3 Expulsion of member associations

Subscriptions of following member associations are more than three years in arrears:

- MA-10001 Ordre des Geometres-Experts Fonciers, Algeria
- MA-10114 Albania Association of Geodesy

The General Assembly has powers to expel from the Federation any member association whose fees are in arrears and shall under normal circumstances expel any member association whose fees are three years in arrears. (Article 4.3 of the Statutes). The FIG office has sent letters to these associations informing that if their membership fees are still in arrears at the time of the General Assembly in Abuja, then the General Assembly shall expel these member associations.

Motion: That the General Assembly expels the

- MA-10001 Ordre des Geometres-Experts Fonciers, Algeria
- MA-10114 Albania Association of Geodesy

from FIG membership.

Decision: The motion was adopted.

After acceptance of new member associations and expulsions the number of FIG member associations is 103 members from 87 Countries.

6.3.1 Ethiopian Surveying Professionals Association (ESPA)

MA-10115 Ethiopian Surveying Professionals Association (ESPA) is three years in arrears and was facing expulsion. The member association is keen on staying as member and has sent an application to apply for poor membership support. The council has considered the application and believed that the association meets the criteria for poor membership support.

Motion: That the General Assembly acknowledges the Council decision to grant Ethiopian Surveying Professionals Associations poor membership support.

Decision: The motion was adopted.

6.4 Other membership issues

Corporate members

The Council has admitted the following company to become a Corporate Member of FIG after the General Assembly in 2012:

- CM 30051 - ISQ Portugal (category F – regional level)

Following corporate members have terminated their membership since May 2012:

- CM-30009 - Grontmij nv, The Netherlands (category C –silver level)
- AED-SICAD Aktiengesellschaft, Germany (Category D – Bronze level)
- Mason Land Surveys CM-10015 (Category D- Bronze level) (added 5 May 2013)

The Council has expelled the following corporate members because of unpaid membership subscriptions:

- CM-30013 IGN France International, France (Category D – Bronze level)
- CM-30045 Hi-Target Survey Instrument CO, China (Category C – Silver level)

After these changes the number of corporate members is now 21.

Affiliate members

The Council has admitted the following national agency to become an affiliate member:

- AF-20046 Consejo Federal de Catastro de la Republica Argentina (C.F.C)

The Council has expelled following affiliate member because of unpaid membership subscriptions:

- AF-20032 Surveying Department, Dubai Municipality, United Arab Emirates

The number of Affiliate Members after these changes remains at 41.

Academic members

The Council has admitted the following universities and institutions to become an academic member:

- AC-40127 University of Stuttgart, Germany
- AC-40128 Universidad de los Andes, Colombia
- AC-40129 Rovaniemi University of Applied Sciences, Finland
- AC-40130 Lebanese International University, LIU, Lebanon
- AC-40131 INES-Ruhengeri, Rwanda
- AC-40132 Ecole Nationale du Cadastre et des Sciences Geographique, ENCSG, Gabon

The Council has expelled following universities because of unpaid membership subscriptions:

- AC-40008 Arabian Gulf University, Bahrain
- AC-40014 Universidad de Concepcion, Chile
- AC-40095 National Water Research Center, Egypt
- AC-40100 The National Research Institute of Astronomy & Geophysics, Egypt

The number of Academic Members after these changes is 92

Correspondents

At its meeting 4/2011 Council has decided to terminate the appointment of correspondents from Bahrain, Bhutan, Eritrea, Gabon, India, Lesotho, Peru, Saint Lucia WI, Tanzania and Tuvalu at the end of 2012.

After these decisions the number of correspondents is 3.

Motion: That the General Assembly notes the actions that the Council has taken with other membership matters.

Decision: The motion was adopted.

6.5 Appointment of Honorary Member

The National Land Survey of Finland and the Finnish Association of Geodetic and Land Surveyors have together sent a nomination letter that proposed FIG Director Markku Villikka as an honorary member of FIG.

According to paragraph 3.1.7 in the statutes “honorary member: an individual who has materially assisted the development and promotion of the surveying profession at the international level”.

The nomination was presented to the General Assembly by Director Arvo Kokkonen, National Land Survey of Finland

Appendix to item 6.5: The nomination letter from the National Land Survey of Finland and the Finnish Association of Geodetic and Land Surveyors.

Motion: That the General Assembly approves the application to appoint FIG Director Markku Villikka Honorary Member.

Decision: The General Assembly appointed FIG Director Markku Villikka an Honorary member of FIG with a standing ovation. The badge with silver oak leaves and Certificate of Appointment as Honorary Member for his services and contribution to the Federation was presented to Markku Villikka after the Working Week in Finland by President CheeHai Teo.

7. PRESIDENT'S REPORT

President CheeHai Teo has prepared the President's report on the activities of the President and the Council since the General Assembly in Rome in May 2012. The report was presented to the General Assembly.

Appendix to item 7: Hand-outs of the presentation

Motion: That the General Assembly accepts the President's report.

Decision: The motion was adopted.

8. REPORTS FROM FIG COMMISSIONS AND FIG NETWORKS 2012-2013

Each Commission Chair, 2011-2014, has submitted a written report on the Commission activities covering period from Working Week in Rome to Working Week in Abuja. These reports include reports of the Commission chair and Commission working groups. The reports include also the two FIG networks: Standards Network and Young Surveyors Network.

Each chair or chair elect apart from Commission 9, who was not represented, gave a brief report on their respective Commission key activities at the meeting.

Appendices to item 8: Commission reports:

8.01 Commission 1

8.02 Commission 2

8.03 Commission 3

- Hand-outs of the presentation

8.04 Commission 4

- Hand-outs of the presentation

8.05 Commission 5

8.06 Commission 6

- Hand-outs of the presentation

8.07 Commission 7

8.08 Commission 8

8.09 Commission 9

8.10 Commission 10

- Hand-outs of the presentation

8.11 Young Surveyors Network

8.12 Standards Network

Motion: That the General Assembly note the reports of the Commission and Network Chairs and records its thanks to the chairs and other officers of the Commissions and Networks for their on going contributions.

Decision: The motion was adopted and the General Assembly recorded its thanks to all chairs and Commission officers for their work during the past year.

8.13 Appointment of Commission 10 Chair Elect

The selection of Commission 10 Chair Elect was deferred in Rome as there were no candidatures. FIG has received an application from RICS for **See Lian Ong**, for the position as Commission 10 Chair Elect. FIG Office has not received any other nominations. FIG Council decided at its meeting on 5 May 2013 to bring this application forward to General Assembly for approval.

Appendix to item 8.13: Application form from RICS to appoint See Lian Ong as Commission 10 Chair elect.

Motion: That the General Assembly approves the application of See Lian Ong, RICS for the position as Commission 10 Chair Elect.

Decision: The motion was adopted.

8.14 Young Surveyors Network

Having had discussion with Eva-Maria Unger (OVG, Austria), President Gert Steinkellner (OVG,- Austria) and Chair of YSN, Kate Fairlie (SSSI, Australia), Council has decided to nominate Eva-Maria Unger, the current Secretary of YSN as the chair-elect of the Young Surveyors Network (2015 – 2018).

The President suggested that in the future, the chair-elect of YSN could be selected together with the selection of chair-elects of Commissions by the General Assembly.

Motion: That the General Assembly approves the nomination.

Decision: The motion was adopted.

9. REPORTS OF FIG TASK FORCES 2012-2013

FIG has currently three Task Forces: 1) FIG Africa Task Force (2009 – 2014), chaired by Dr. Diane Dumashie (RICS, United Kingdom); 2) Task Force on Surveyors and the Climate Change (2011-2014) chaired by Prof. John Hannah (NZIS, New Zealand); and 3) Task Force on Property and Housing (2011-2014) chaired by Prof. Chryssy Potsiou (HARSE/TCG, Greece).

Appendices to item 9: Task Force reports:

- **9.1** FIG Africa Task Force
 - Handouts of PowerPoint presentation
- **9.2** Task Force on Surveyors and the Climate Change
- **9.3** Task Force on Property and Housing – to be added
 - Handouts of PowerPoint presentation

Motion: That the General Assembly records all Task Force reports and records its thanks to the Chairs of the Task Forces and their members for their work and contributions.

Decision: The motion was adopted.

10. REPORTS FROM THE DIRECTORS OF PERMANENT INSTITUTIONS 2012-2013

10.1 International Office of Cadastre and Land Records (Office International du Cadastre et du Régime Foncier) OICRF

Mr. Christiaan Lemmen, Director of OICRF had prepared a report on the OICRF activities since the General Assembly in Rome. He made a brief report orally at the General Assembly.

Appendix to item 10.1: Report from the International Office of Cadastre and Land Records (Office International du Cadastre et du Régime Foncier) OICRF.

Motion: That the General Assembly adopts the report and records its thanks to the members of OICRF for their past year's work and contribution.

Decision: The motion was adopted.

10.2 International Institution for the History of Surveying and Measurement, Permanent Institution of FIG

Mr. Jan de Graeve, Director of the IIHSM had prepared a report on the IIHSM activities since the General Assembly in Rome. John Brock on behalf of IIHSM made a short oral presentation at the General Assembly.

Appendix to item 10.2:

- Report from the International Institution for the History of Surveying and Measurement, Permanent Institution of FIG.
- Hand-outs of the presentation.

Motion: That the General Assembly adopts the report and records its thanks to the Director and the members of the permanent institution for their past year's work and contribution.

Decision: The motion was adopted.

11. REPORT OF THE PRESIDENT OF THE FIG FOUNDATION 2012-2013

Mr. John Hohol, President of the FIG Foundation had prepared a report on the FIG Foundation activities from May 2012 to February 2013. He made a brief report orally at the General Assembly.

Appendix to item 11: Report of the FIG Foundation activities 2012-2013

Motion: That the General Assembly adopts the report of the President of the FIG Foundation and records its thanks to the President and members of the Board of Directors of the FIG Foundation for their past year's work.

Decision: The motion was adopted

12. CO-OPERATION WITH THE UNITED NATIONS AND THE WORLD BANK

The main partners in the co-operation with the United Nations and the World Bank since the FIG Working Week in Rome have been:

- World Bank
- United Nations Global Geospatial Information Management
- United Nations Human Settlement Programme (UN-HABITAT)
- Global Land Tool Network
- Food and Agriculture Organization (FAO)
- United Nations Group of Experts on Geographical Names (UNGEGN)
- United Nations Regional Conference for Cartography (UNRCC)
- United Nations Office for Outer Space Affairs (UNOOSA)
- United Nations Economic Commission for Africa (UNECA)
- United Nations Regional Committee on Global Geospatial Information Management for Asia and the Pacific (UN-GGIM-AP)

The activities with these bodies are described in the President's report, **appendix to item 7**.

Motion: That the General Assembly adopts the report on the co-operation between FIG and the United Nations, its agencies and the World Bank and records its thanks to all those who have contributed to this co-operation.

Decision: The motion was adopted

13. LIAISON WITH INTERNATIONAL PROFESSIONAL ORGANISATIONS

The Joint Board of Spatial Information Societies JB-GIS was formally established during the FIG Working Week in Cairo in 2005 and meets annually during a major conference. The meeting of JB-GIS in 2012 was held in Melbourne, Australia, during the ISPRS Congress where Prof. William Cartwright was retained as Chairperson for further one year.

Co-operation with international and regional organisations is described in President's report, **appendix to item 7.**

FIG has further bilateral agreements of co-operation with several other international associations; ISM, IFHP, CIB, ION, ICEC, FIABCI, IFHS and PAQS. Some of the partners are also working together within the Habitat Professionals Forum.

FIG is a member of the International Council for Science (ICSU) and is working together with ISO and International Valuation Standards Committee (IVSC) on standards.

Motion: That the General Assembly records the report on the liaison with other international associations.

Decision: The motion was adopted.

14. FIG ACCOUNTS FOR 2012 AND AUDITOR'S REPORT AND BUDGETS 2013-2016

Vice President Bruno Razza and former Vice President Iain Greenway had jointly prepared a report on the FIG Financial issues. This report includes summary of 2012 accounts, an updated budget for 2013 and proposals for budgets 2014-2016 with notes and proposal for membership fees for member associations in 2015. Vice President Rudolf Staiger presented the report at the General Assembly in the absence of Vice President Bruno Razza.

The Auditors Report includes the auditors report from 2012, official accounts (income statement 2012) and balance sheet 31 December 2012.

Appendix to item 14:

- Report on Financial Issues (including 2012 accounts and budgets 2013-2016)

Annexes:

- **14A** Auditor's Report, Income Statement for 2012 and Balance Sheet at 31 December 2012.
- **14B** FIG Result 2012
- **14C** FIG Budgets 2013-2016
- **14D** List of member associations whose membership fees are in arrears for 2012 and earlier and that are not allowed to vote, will be published on the FIG web site **10 April 2012.**
- **14E** Vice President Staiger's finance presentation at the General Assembly – handouts of the presentation

Motion: That the General Assembly

- adopts the audited accounts for 2012 and
- adopts budgets for 2013–2016

Decision: The motion was adopted

15. SUBSCRIPTION RATES FOR 2015

The General Assembly has to set levels of fees for member associations two years in advance of the year in which they become payable. Fees are payable in respect of each individual member up to a maximum of 5,500 members. Membership fee structure was changed in 2009. Membership fees have been discussed as part of the finance report, **appendix to item 14**.

The 2012 General Assembly approved membership fees for 2014 as follows:

<u>Year</u>	<u>Per capita fee</u>	<u>Minimum fee</u>	<u>Maximum fee</u>
2014	4.48 € per member up to a maximum of 5,500 members Member associations from countries listed by the World Bank as low-income economies or lower-middle-income economies shall pay 2.24 € member up to a maximum of 5,500 members.	20 members or 50 € (whichever is greater)	5,500 members (24,640 €)

The World Bank lists of the low-income economies and the lower-middle-income economies are available at: <http://data.worldbank.org/about/country-classifications/country-and-lending-groups>

The Council proposes to the General Assembly to keep the membership fees for member associations for 2015 at the same level as endorsed by the General Assembly in 2012 for 2014. In the draft budgets for 2013-2016 the membership fees are planned to be kept at the 2013 level for all membership categories for 2013-2015.

In addition, Council has looked again at the maximum fee, which is currently set at 5,500 members. Council considered holding this to a fixed monetary amount, or adjusting the number of members, and have concluded that it would be appropriate to fix it at 5,500 members or €25,000, whichever is the lower – this would be the maximum that any Member Association would pay to be a member of FIG. The current maximum is 5,500 members x €4.48 = €24,640; the cap of €25,000 would apply once the subscription rate has increased by 1.5% or more.

In the ensuing discussion, a member association opined that the level of subscription be allowed to rise but found no further support from the General Assembly.

Motion: That the General Assembly adopts following membership fees payable by member associations in 2015:

<u>Year</u>	<u>Per capita fee</u>	<u>Minimum fee</u>	<u>Maximum fee</u>
2015	4.48 € per member up to a maximum of 5,500 members Member associations from countries listed by the World Bank as low-income economies or lower-middle-income economies shall pay 2.24 € member up to a maximum of 5,500 members.	20 members or 50 € (whichever is greater)	5,500 members (24,640 €)

and to fix the maximum fee payable by a member association at 5,500 members or €25,000, whichever is the lower.

Decision: The motion was adopted

16. DECISION OF THE VENUE FOR FIG WORKING WEEK 2017

The FIG Working Weeks are organised by FIG together with the local member association. FIG and the local member association will together have full responsibility of the arrangements. The Council has to ensure that all candidates are aware about the role of FIG and split of responsibilities for organising the Working Week. FIG Council has lately worked on defining the split of responsibilities between the local association and FIG, and has therefore decided to postpone the bid for 2017 by one year to allow time to evaluate the current concept. The bid material for 2017 Working Week will be published Summer 2013 and deadline for bids for 2017 will be 30 November 2013. The decision on venue for 2017 will be made at the General Assembly in Kuala Lumpur, Malaysia, June 2014.

Motion: That the General Assembly records postponement of the decision of venue for FIG Working Week 2017 until the General Assembly in Kuala Lumpur, Malaysia, June 2014.

Decision: The motion was adopted.

17. REPORT ON THE FIG WORKING WEEK 2016 REPORT ON THE FIG WORKING WEEK 2016 IN CHRISTCHURCH, NEW ZEALAND

Mr Brian Coutts of the New Zealand Institute of Surveyors, the co-organizer of FIG Working Week 2016 gave a presentation on preparations of FIG Working Week 2016.

Appendix to item 17: hand-outs of the presentation

Motion: That the General Assembly records the report for information.

Decision: The motion was adopted

18. REPORT ON THE FIG WORKING WEEK 2015 IN SOFIA, BULGARIA

President Angel Yanakiev and Co-Congress Director Zlatan Georgiev Zlatanov from the Chamber of Graduated Surveyors gave a presentation on preparations of FIG Working Week 2015 and showed a film.

Appendix to agenda item 18:

- Report for FIG Working Week 2015 in Sofia Bulgaria
- Hand outs of the presentation
- Video that was showed at the General Assembly

Motion: That the General Assembly records the report for information.

Decision: The motion was adopted.

FRIDAY 10 MAY, 2013

**Friday, 10 May, 08:30-10:30
Tbc, Nicon Luxury Hotel**

Presidents' Meeting (by invitation only)

19. FIG PRESIDENT'S MEETING

A total of 36 persons attended this Presidents' Meeting out of which 30 were Presidents or Heads of delegations. At the meeting challenges facing the member associations and relations between member associations and FIG were discussed as well as experiences from the FIG Working Week 2013. A separate memorandum of this meeting is circulated to the participants of the meeting and to the Presidents of member associations.

Appendix to item 19:

19.1: Invitation to Presidents of FIG member associations

19.2: Summary Notes of the Presidents' meeting

**Friday, 10 May, 11:00–12:30 and 13:30-15:00
Conference Hall, Nicon Luxury Hotel
General Assembly, Second Session**

20. ROLL CALL

Vice President Rudolf Staiger took the roll call.

The roll call was made only for member associations. Delegates representing affiliate members, academic members, corporate members and correspondents as well as honorary presidents and honorary members were entered in the records based on their registration and information given to the FIG Office.

Appendix to items 2 & 20: Roll Call

Appendix to items 2 & 20: List of member associations that are not allowed to vote at the General Assembly because of unpaid membership fees for 2012 and earlier.

38 member associations out of 103 were present at this session which is more than one third of the membership needed for a quorum for the General Assembly. 35 member associations were allowed to vote.

Motion: That present members are recorded in the minutes.

Decision: The motion was adopted.

21. MEMBERSHIP

There was no new items related to membership for consideration.

Motion: That the General Assembly take note of any development since the first session.

Decision: The motion was adopted

22. REPORTS FROM MEMBER ASSOCIATION'S FORUM; AFFILIATE (DIRECTOR-GENERAL'S) FORUM AND ACADEMIC MEMBERS FORUM

Member associations, Affiliate (Director Generals) and Academic members held their fora during the Working Week.

Christiaan Lemmen reported back from the Director General's forum which was extended to 4 sessions and was organised in cooperation with UN-HABITAT and GLTN.

Appendix to item 22: Hand-outs from GLTN/DG forum

Motion: That the General Assembly records the reports.

Decision: The motion was adopted

23. CO-OPERATION WITH THE FIG CORPORATE MEMBERS

A meeting for FIG Corporate Members was organised in Abuja (Thursday 9 May 09:00 - 10:30 Corporate Members' Meeting), and Brent Jones, ESRI gave a short report from the meeting.

Appendix to item 23: Hand-outs from Corporate meeting

Motion: That the General Assembly records the report.

Decision: The motion was adopted.

24. REPORTS FROM COMMISSIONS AND TASK FORCES

Commission Officers (ACCO), Commissions and Task forces had their annual and other administrative meetings in Abuja and each chair/chair elect reported back to the General Assembly on the main outcome of the meetings. None of these require an endorsement of the General Assembly at this stage..

Motion: That the General Assembly records the reports and decides on any recommendations arising from the reports.

Decision: The motion was adopted.

25. REPORT ON THE FIG CONGRESS 2014 IN KUALA LUMPUR, MALAYSIA

President Mr Mohammad Azmi Mohd Zin from the Association of Authorised Land Surveyors Malaysia and representatives of the Local Organising Committee gave a presentation on preparations of the 25th FIG Congress in Kuala Lumpur, Malaysia.

Appendix to item 25:

- Hand-outs of presentation
- Video

Motion: That the General Assembly records the report for information.

Decision: The motion was adopted.

26. CLOSING CEREMONY AND PRESENTATION OF CERTIFICATES OF APPRECIATION

President CheeHai Teo presented a summary of the main outcome and highlights of the FIG Working Week 2013 and thanked all parties, participants and accompanying persons for a memorable event.

Appendix: Handouts of the President's Closing Address.

At the Closing Ceremony certificates of appreciation were given to Bode Adeaga, President of NIS, Congress Director Barde Jatau, Secretary General of NIS Olumide Adewebi, Admin. Secretary of NIS and Conference Coordinator of FIG 2013 Olatunde O. Adejanyu, as well as other members of the organising committee and officials.

At the end of the closing ceremony the FIG banner was handed over by Bode Adeaga, President of NIS to Mr. Mohammed Azmi, President of PEJUTA. The FIG Congress will be held in Kuala Lumpur, 16-21 June 2014. President Teo formally closed the 36th General Assembly of FIG as well as the Working Week.

36th General Assembly
Abuja, Nigeria, 6 and 10 May 2013

Roll Call

<u>MEMBER ASSOCIATIONS</u>	6 May	10 May
*) Albania, Republic of Albania Association of Geodesy, MA-10114		
*) Algeria, People's Democratic Republic of Order of Land Surveyors Expert. (O.G.E.F), MA-10001		
***) Argentina Federación Argentina de Agrimensores FADA, MA-10002		
Australia Surveying and Spatial Sciences Institute SSSI, MA-10004	x	x
Austria Österreichische Gesellschaft für Vermessung und Geoinformation (Austrian Society for Surveying and Geoinformation) OVG, MA-10005		x
**) Bahamas Bahamas Association of Land Surveyors		
Belarus Land Reform Association, MA-10007		
Belgium Union Belge des Géomètres-Experts Immobiliers, MA-10008	x	x
***) Benin Ordre des Géomètres Experts du Benin, MA-10113	x	x
Bosnia-Herzegovina Geodetic Association of Herceg-Bosnia, MA-10112		
Brazil Sociedade Brasileira de Cartografia, Geodésia, Fotogrametria e Sensoriamento Remoto, MA-10011		
Brunei Darussalam Brunei Institution of Geomatics, BIC, MA-10012		
Bulgaria Union of Surveyors and Land Managers in Bulgaria, MA-10013	x	x
Bulgaria Chamber of Graduate Surveyors, MA-10108	x	x
Burkina Faso Association des Géomètres et Topographes du Burkina AGT-B, MA-10014		x
***) Cameroon Ordre National des Geometres du Cameroun OGEC (National Order of Cameroon Surveyors NOCS), MA-10015		
Canada Canadian Institute of Geomatics CIG, MA-10016	x	x
China P.R. Chinese Society of Geodesy, Photogrammetry and Cartography, MA-10017	x	x
China P. R. China Institute of Real Estate Appraisers and Agents CIREA, MA-10102		
China P. R. China Land Science Society CLSS, MA-10120	x	x
Costa Rica Colegio de Ingenieros Topógrafos de Costa Rica CFIA, MA-10019		
Croatia Croatian Geodetic Society HGD, MA-10020		
Congo, Democratic Republic of Federation of Geometers and Surveyors – Congo, MA-10101	x	x
Cyprus Association of Rural Surveying Engineers of Cyprus, MA-10022		
Cyprus Cyprus Association of Property Valuers, MA-10111		
Czech Republic Czech Association of Certified Property Appraisers CSCOM, MA-10023	x	x
Czech Republic Czech Union of Surveyors and Cartographers CSVTS, MA-10024	x	x

Denmark Den danske Landinspektørforening DdL, MA-10025	x	x
Egypt Egyptian Committee of Surveying and Mapping ECSM, MA-10026		
***) Estonia Eesti Geodeetide Ühing EGÜ (Association of Estonian Surveyors), MA-10027		
Ethiopia Ethiopian Surveying Professionals Association (ESPA), MA-10115		
Fiji Fiji Institute of Surveyors, MA-10028		
Finland Suomen Maanmittausinsinöörien Liitto MIL (The Finnish Association of Surveyors), MA-10029	x	x
Finland Maanmittausalan ammattikorkeakoulu- ja opistoteknisten Liitto MAKLI ry, MA-10030	x	x
France Ordre des Géomètres-Experts OGE, MA-10031		
France Association Française de Topographie AFT, MA-10032		
Georgia Society of Professionals of Land Information Technologies SPLIT, MA-10099		
Germany DVW – Deutscher Verein für Vermessungswesen – Gesellschaft für Geodäsie, Geoinformation und Landmanagement, MA-10033	x	x
**) Gabon Association des Professionels de l'Ingenierie Topographique du Gabon, APITGabon, MA-10122		
***) Ghana Ghana Institution of Surveyors GhIS, MA-10034	x	x
***) Greece Technical Chamber of Greece TEE, MA-10035	x	x
***) Greece Hellenic Association of Rural and Surveying Engineers HARSE, MA-10036		
***) Hong Kong SAR, China The Hong Kong Institute of Surveyors HKIS, MA-10037		
Hong Kong SAR, China The Hong Kong Institution of Engineering Surveyors HKInstES, MA-10100		
***) Hungary Hungarian Society of Surveying, Mapping and Remote Sensing MFTTT, MA-10038		
Indonesia Ikatan Surveyor Indonesia ISI, MA-10039	x	x
Iran, Islamic Republic of Iranian Professional Society of Surveying Engineers (ISS), MA-10040		
Ireland The Irish Institution of Surveyors IIS, MA-10042		
Israel Association of Licensed Surveyors in Israel ALSI, MA-10043	x	x
Italy Consiglio Nazionale Geometri e Geometri Laureati CNGeGL, MA-10044		
Jamaica The Land Surveyors Association of Jamaica LSAJ, MA-10045		
Japan Nippon Sokuryosha Renmei (Japan Federation of Surveyors JFS), MA-10046	x	x
Kenya Institution of Surveyors of Kenya ISK, MA-10047	x	x
Korea, Republic of Korea Cadastre Survey Corporation, MA-10048		
***) Kosovo Kosova Association of Surveyors, MA-10049		
Latvia Latvian Associations of Surveyors LMB, MA-10050		
***) Lebanon Ordre des Géomètres-Topographes du Liban, MA-10051		
Liberia Cadastral Surveyors Association of Liberia CASUAL, MA-10119		
Lithuania Lithuanian Association of Surveyors LMA , MA-10053		
Lithuania Lithuanian Association of Property Valuers LTVA, MA-10052		

Luxembourg Ordre Luxembourg des Géomètres OLG, MA-10054		
Malaysia Association of Authorised Land Surveyors Malaysia AALSM, MA-10055	x	x
Mali Ordre des Geometres Experts du Mali OGE, MA-10117		
Malta The Malta Institution of Surveyors, MA-10056		
Mongolia Mongolian Association of Geodesy and Cartography MAGaC, MA-10098		
Morocco Ordre National des Ingénieurs Géomètres-Topographes ONIGT, MA-10059		
Nepal Nepal Institution of Chartered Surveyors, MA-10110		
Netherlands, The Geo-Information Netherlands, MA-10060	x	x
New Zealand New Zealand Institute of Surveyors NZIS, MA-10061	x	x
Nigeria Nigerian Institution of Surveyors NIS, MA-10062	x	x
Nigeria The Nigerian Institute of Quantity Surveyors NIQS, MA-10063	x	x
Nigeria Nigerian Institution of Estate Surveyors and Valuers NIESV, MA-10118	x	x
Norway Norges Jordskifte kandidatforening NJKF, faglig gruppe af Tekna and GeoForum, MA-10064	x	x
Palestinian Authority Licensed Surveyors Association in Palestine, MA-10065	x	
Papua New Guinea Association of Surveyors of Papua New Guinea ASPGN, MA-10066		
***) Philippines , Geodetic Engineers of the Philippines, Inc., MA-10107		
Poland Stowarzyszenie Geodetow Polskich SGP Association of Polish Surveyors, MA-10067	x	x
Portugal Ordem dos Engenheiros, Colégio de Engenharia Geografica ORDENG Order of Engineers - College of Geographical Engineering, MA-10068	x	x
***) Puerto Rico, USA Colegio de Ingenieros y Agrimensores de Puerto Rico CIAPR College of Engineers and Land Surveyors of Puerto Rico, MA-10069		
Romania Union of Romanian Geodesy, MA-10070		
Romania Romanian Association of Private Surveyors APCGCR, MA-10105		
Russian Federation Federal Service of State Registration, Cadastre and Cartography (Rosreestr), MA-10071		
Russian Federation None commercial partnership “Self-regulated organization of activity of cadastral engineers”, MA-10121		
Senegal Ordre National des Géomètres Experts du Senegal (ONGES), MA-10116		x
Serbia, Republic of Union of Surveying Engineers of Serbia, MA-10072		
Slovak Republic Slovak Union of Surveyors and Cartographers, MA-10074		
Slovak Republic Chamber of Surveyors and Cartographers KGK, MA-10075	x	x
Slovenia Association of Surveyors of Slovenia ZGS, MA-10076		
South Africa, Republic of South African Council for Professional and	x	x

Technical Surveyors PLATO, MA-10077		
Spain Colegio Oficial de Ingenieros Técnicos en Topografía, MA-10078		
Sri Lanka Surveyors' Institute of Sri Lanka, MA-10079	x	
Sweden Swedish professionals for the built environment, MA-10080	x	x
Switzerland geosuisse - Swiss Society of Geomatics and Landmanagement, MA-10081		
***) Syria Order of Syrian Engineers and Architects OSEA, MA-10082		
Togo Ordre des Géomètres du Togo OGT, MA-10084		
Trinidad and Tobago Institute of Surveyors of Trinidad and Tobago, MA-10085		
***) Tunisia Association Nationale des Ingenieurs Géomètres-Experts Tunisiens ANIGET, MA-10086		
***) Turkey TMMOB Chamber of Surveying Engineers of Turkey, MA-10087		
***) Ukraine Ukrainian Society of Geodesy and Cartography, MA-10088		
United Kingdom Chartered Institution of Civil Engineering Surveyors ICES, MA-10090		
United Kingdom The Royal Institution of Chartered Surveyors RICS, MA-10091	x	x
United States of America National Society of Professional Surveyors (NSPS), MA-10092	x	x
Uruguay Asociacion de Agrimensores del Uruguay, MA-10094		
Vietnam Association of Geodesy, Cartography and Remote Sensing VGCR, MA-10095		
***) Zimbabwe Survey Institute of Zimbabwe SIZ, MA-10097		
*) expelled 6 May 2013		
**) membership approved 6 May 2013		
***) no voting right 6 May 2012 unless arrears paid		
Altogether 40 member associations represented	37/103	38/103

<u>AFFILIATES</u>	6 May	10 May
Afghanistan, Islamic Republic of (Afghan Land Consulting Organization, ALCO), AF-20034		
Afghanistan, Islamic Republic of (Afghanistan Information Management Services, AIMS), AF-20038		
Argentina (Consejo Federal De Catastro De La Republica Argentina (C.F.C)), AF-20047		
Australia and New Zealand (ANZLIC), AF-20001		
Belgium (General Administration of the Patrimonial Documentation), AF-20002	x	x
Brunei Darussalam (Survey Department) AF-20003		
Cambodia, Kingdom of (Ministry of Land Management, Urban Planning and Construction), AF-20004		
Chile (Servicio Hidrográfico y Oceanográfico de la Armada de Chile), AF-20005		
China P. R. (China Land Surveying and Planning Institute), AF-20043	x	x
Colombia (Instituto Geográfico Agustín Codazzi, IGAC), AF-20006		
Colombia (Alcaldía Mayor de Bogotá DC), AF-20046		
Croatia (State Geodetic Administration of Republic of Croatia, DGU), AF-20042		
Cyprus (Lands and Surveys Department), AF-20045		
Denmark (Danish Geodata Agency), AF-20026	x	x
Fiji (Ministry of Lands and Mineral Resources), AF-20039		
Finland (National Land Survey of Finland), AF-20030	x	x
Hungary (Institute of Geodesy, Cartography and Remote Sensing, FÖMI), AF-20009		
Iceland (The Land Registry of Iceland), AF-20010		
Iran, Islamic Republic of (National Cartographic Center)		
Iraq, Republic of (General Directorate for Surveying, Ministry of Water Resources), AF-20031		
Israel (Survey of Israel), AF-20040		
Italy (Italian Society of Photogrammetry and Topography, SIFET), AF-20035		
Jordan (Department of Lands & Survey), AF-20011		
Lao People's Democratic Republic (National Geographic Department), AF-20028		
Macedonia, FYROM (State Authority for Geodetic Works), AF-20019		
Mexico (National Institute of Statistics, Geography and Informatics, INEGI), AF-20012		
Moldova, Republic of (Agency for Land Administration and Cadastre of Republic of Moldova), AF-20041		
Mongolia (Administration of Land Affairs, Geodesy & Cartography), AF-20018		
Namibia (Office of the Surveyor General), AF-20013		
Nepal (Survey Department, Government of Nepal), AF-20021		
Netherlands, The (Cadastre, Land Registry and Mapping Agency),	x	x

AF-20025		
Norway (Norwegian Mapping and Cadastre Authority), AF-20023		
Romania (National Agency for Cadastre and Land Administration), AF-20020		
Russian Federation (Siberian State Academy of Geodesy), AF-20029	x	x
Rwanda, Republic of (Ministry of Lands, Resettlement and Environment), AF-20016		
Saudi Arabia, Kingdom of (Ministry of Municipal and Rural Affairs), AF-20017		
Sri Lanka (Survey Department, Sri Lanka), AF-20044	x	x
Sweden (Lantmäteriet), AF-20027	x	x
Switzerland (Swiss Federal Office of Topography, swisstopo), AF-20033		
*) United Arab Emirates (Surveying Department, Dubai), AF-20032		
USA (NOAA, National Geodetic Survey), AF-20024		
USA (Cadastral Survey Bureau of Land Management, Dept. of the Interior, BLM), AF-20037		
	8/41	8/41
<u>CORRESPONDENTS</u>		
Madagascar		
Thailand		
Tonga		
	0/3	0/3
<u>ACADEMIC MEMBERS</u>		
Australia The University of Melbourne, AC-40002	x	x
Australia RMIT University, AC-40003	x	x
Australia University of New South Wales, AC-40004		
Australia University of Southern Queensland, AC-40005		
Australia University of Technology Sydney, AC-40006		
Austria BOKU, Vienna, AC-40007		
*) Bahrain, Kingdom of Arabian Gulf University, AC-40008		
Belgium University of Applied Sciences Kaho Sint-Lieven, AC-40009		
Belgium ECAM - Haute Ecole Leonard de Vinci, Département Construction, AC-40093		
Belgium University of Liege, Unit of Geomatics, AC-40096		
Belgium Antwerp Maritime Academy, AC-40123		
Botswana University of Botswana, AC-40010		
Brazil UNISINOS, AC-40011		
Canada University of Calgary, AC-40012		
Canada University of New Brunswick, AC-40013		
Canada Université Laval, AC-40092		
*) Chile Universidad de Concepcion, AC-40014		
China P. R. School of Public Administration, AC-40091		
China P. R. The University of Nottingham Ningbo China, AC-10126		
Colombia Universidad Distrital, Facultad de Ingenieria, AC-40016		
Colombia Universidad Distrital, Facultad del Medio Ambiente y Recursos Naturales, AC-40017		

Colombia Universidad de los Andes, AC-40128		
Croatia University of Zagreb, AC-40020		
Cyprus Neapolis University Pafos, AC-40114		
Czech Republic Brno University of Technology, AC-40107		
Denmark Aalborg University, AC-40021	x	x
*) Egypt National Water Research Center, AC-40095		
*) Egypt National Research Institute of Astronomy & Geophysics, AC-40100		
Ethiopia Institute of Land Administration, Bahir Dar University, AC-40103		
Fiji/Oceania University of the South Pacific, AC-40053		
Finland Aalto University School of Science and Technology, AC-40022	x	x
Finland Helsinki Metropolia University of Applied Sciences, AC-20023		
Finland Rovaniemi University of Applied Sciences, AC-40129	x	x
France Ecole Supérieure des Géomètres et Topographes, AC-40024		
***) Gabon Ecole Nationale du Cadastre et des Sciences Géographiques, ENCSG, AC-40132	x	x
Germany Technische Universität München, AC-40026		
Germany Anhalt University of Applied Sciences, AC-40025		
Germany Technische Universität Berlin, AC-40027		
Germany Fachhochschule Trier, Standort Umwelt-Campus Birkenfeld, AC-40109		
Germany University of Stuttgart, AC-10127	x	x
Ghana University of Mines and Technology (UMaT), AC-40030		
Greece School of Rural and Surveying Engineering, AC-40031		
Hong Kong SAR, China The Hong Kong Polytechnic University, AC-40033		
Hungary University of West Hungary, AC-40034		
Ireland Dublin Institute of Technology, AC-40031		
Israel Technion – Israel Institute of Technology, AC-40104		
Jamaica University of Technology Jamaica, AC-40037		
Kazakhstan East Kazakhstan State Technical University, AC-40112		
Kazakhstan Kazakh National Technical University after K. I. Satpaev, AC-40125		
Kosovo University of Prishtina, AC-40116		
Latvia Riga Technical University, AC-40090		
Lebanon Lebanese Canadian University, AC-40130		
Lebanon Lebanese International University, LIU, AC-40130		
Malaysia Universiti Teknologi Malaysia, Department of Geomatics Engineering, AC-40041	x	x
Mexico Universidad Autónoma de Nuevo León, AC-40101		
Morocco IAV, Institut Agronomique et Vétérinaire Hassan II, AC-40118		
Nepal Land Management Training Centre, AC-40089		
Netherlands, The ITC International Institute for Geo-Information Science and Earth Observation, AC-40046		
New Zealand University of Otago, AC-40047	x	x
Nigeria University of Lagos, AC-40049	x	x

Nigeria Nnamdi Azikiwe University, AC-40050	x	x
Nigeria Abia State Polytechnic, AC-40121	x	x
Norway Norwegian University of Life Sciences, Department of Mathematical Sciences and Technology, AC-40052		
Norway Bergen University College, AC-40113		
Palestine Authority Palestine Polytechnic University, AC40099		
Poland Agricultural University of Krakow, AC-40054		
Puerto Rico, USA Universidad de Puerto Rico, AC-40055		
Puerto Rico, USA Polytechnic University of Puerto Rico, AC-40056		
Romania 1 Decembrie 1918 University of Alba Iulia, AC-40058		
Russian Federation Moscow State University of Geodesy and Cartography, Economic and Land Management, AC-40060		
Russian Federation State University of Land Use Planning, AC-40061		
Rwanda, Republic of INES-Ruhengeri, AC-40131		
Saudi Arabia, Kingdom of "TECRS" The Environmental Center of Remote Sensing, AC-40117		
Serbia, Republic of University of Novi Sad, Faculty of Technical Sciences, AC-40097		
Singapore National University of Singapore, AC-40061		
Slovenia University of Ljubljana, AC-40062		
South Africa, Republic of University of Cape Town, AC-40063	x	x
Spain Universidad Politécnica de Madrid, AC-40064		
Spain Universidad de Jaen, AC-40122		
Sweden Lund University LTH, AC-40068		
Sweden Royal Institute of Technology, AC-40067		
Switzerland University of Applied Sciences Northwestern Switzerland, AC-40069		
Trinidad and Tobago University of the West Indies, AC-40085	x	x
Turkey Istanbul Technical University, AC-40071		
Turkey Zonguldak Karaelmas University, AC-40111		
Uganda Makerere University, AC-40119	x	x
United Kingdom Kingston University, AC-40073		
United Kingdom The University of Nottingham, AC-40078	x	x
United Kingdom Oxford Brookes University, AC-40074		
United Kingdom Reading University, AC-40110		
United Kingdom Sheffield Hallam University, AC-40076		
United Kingdom University of the West of England, AC-40079		
USA New Mexico State University, AC-40081		
USA Texas A&M University – Corpus Christi, AC-40084		
USA University of Houston, AC-40108		
Multinational UNIGIS International Association, AC-40120		
	16/90	16/92
<u>CORPORATE MEMBERS</u>		
Category A - Platinum level		
Bentley Systems, CM-30035		
Environmental Systems Research Institute, Inc. (ESRI), CM-30001	x	x
Leica Geosystems AG, CM-30002	x	x

Trimble Navigation Ltd., CM-30005	x	x
Category C - Silver level		
COWI A/S, CM-30011		
FARO, CM-30044		
Geoweb S.p.A., CM-30043		
*) Hi-Target Survey Instruments Company Ltd, CM-30045	x	x
Meridian+, CM-30049		
Category D - Bronze level		
GIM International – Geomares Publishing, CM-30012		
*) IGN France International, CM-30013		
KQ Geo Technologies, CM-30050	x	x
Mason Land Surveys Limited, CM-30015		
SEPRET (Société des Etudes de Projets et Réalisation des Travaux), CM-30031		
Category E - Basic level		
Derinsu Underwater Engineering Ltd., CM-30038		
Global Survey Qatar, CM-30047		
Thomson-Reuters, CM-30024	x	x
Category F - Regional level		
Cameroon Engineering, CM-30027		
Concord Surveying Works Co., CM-30048		
Coordinates Magazines, CM-30042		
Geo:connexion, CM-30018		
Institut Cartogràfic de Catalunya, CM-30023		
ISQ Portugal, CM-30051		
ORBITS Engineering Firm, CM-30036		
	6/22	6/21
*) expelled by Council		
HONORARY PRESIDENTS		
Stig Enemark	x	x
HONORARY MEMBERS		
Paul van der Molen	x	x
COMMISSION CHAIRS 2011-2014		
Commission 1 – Leonie Newnham	x	x
Commission 2 – Steven Frank/Liza Groenendijk	x	x
Commission 3 – Yerach Doytsher	x	x
Commission 4 – Michael Sutherland/Angela Etuonovbe	x	x
Commission 5 – Mikael Lilje/Volker Schwieger	x	x
Commission 6 – Gethin W. Roberts/Ivo Milev	x	x
Commission 7 – Daniel Roberge/Paul van der Molen	x	x
Commission 8 – Wafula Nabutola	x	x
Commission 9 – Frances Plimmer		
Commission 10 – Robert Šinkner	x	x
Young Surveyors Network		x

Standards Network		
PERMANENT INSTITUTIONS		
International Office of Cadastre and Land Records (OICRF)	X	X
International Institution for the History of Surveying and Measurement, Permanent Institution of FIG	X	X
FIG FOUNDATION – President John Hohol	X	X
FIG COUNCIL		
President CheeHai Teo	X	X
Vice President Dr. Pengfei Cheng	X	X
Vice President Bruno Razza		
Vice President Chryssy A. Potsiou	X	X
Vice President Rudolf Staiger	X	X

Member associations having unpaid membership fees for 2012 and earlier and that are not allowed to vote at the General Assembly in Abuja in May 2013 unless these arrears will be paid


Situation 10 May 2013

Country	Mem.no	Member associations	2012	2011	2010	Total owed
Albania	10114	Albania Association of Geodesy	50,00	50,00	50,00	150,00
Algeria	10001	Ordre des Géomètres-Experts Fonciers	2.195,20	1.625,40	1.580,04	5.400,64
Argentina	10002	Federación Argentina de Agrimensores FADA	537,60	302,52		840,12
Benin	10113	Ordre Des Geometres Experts Du Benin	134,40			134,40
Cameroon	10015	Ordre National des Géomètres du Cameroun (OGEC)	73,92			73,92
Ethiopia	10115	Ethiopian Surveying Professionals Association (ESPA)	1.167,04	1.120,15	512,05	2.799,24
Ghana	10034	Ghana Institution of Surveyors	1.276,80			1.276,80
Greece	10035	Technical Chamber of Greece	13.767,04	13.213,90		26.980,94
Greece	10036	Hellenic Association of Rural and Surveying Engineers	2.105,60	2.021,00		4.126,60
Hong Kong	10037	The Hong Kong Institute of Surveyors	20.670,72			20.670,72
Hungary	10038	Hungarian Society of Surveying Mapping and Remote Sensing	1.533,81			1.533,81
Iran	10040*	Iranian Society of Surveyors (ISS)	4.480,00	4.300,00	2.125,00	10.905,00
Kosovo	10049	Kosova Association of Surveyors	224,00			224,00
Lebanon	10051	Ordre des Géomètres-Topographe du Liban	1.957,76			1.957,76
Philippines	10107	Geodetic Engineers of the Philippines, Inc.	1.120,00	1.100,36		2.220,36
Puerto Rico	10069	Colegio de Ingenieros y Agrimensores de Puerto Rico	2.329,60	2.198,96		4.528,56
Syria	10082	Order of Syrian Engineers and Architects / OSEA	448,00	430,00		878,00
Tunisia	10086	Tunisian Association of Chartered Surveyors	443,52			443,52
Turkey	10087	Chamber of Surveying Engineers of Turkey	5.160,00	5.376,00		10.536,00
Ukraine	10088	Ukrainian Society of Geodesy and Cartography	449,35			449,35
Zimbabwe	10097	Survey Institute of Zimbabwe	141,12			141,12

* Denmark is not allowed to receive payments from Iran due to trade ban

FIG Working Week 2013


36th General Assembly President's Report



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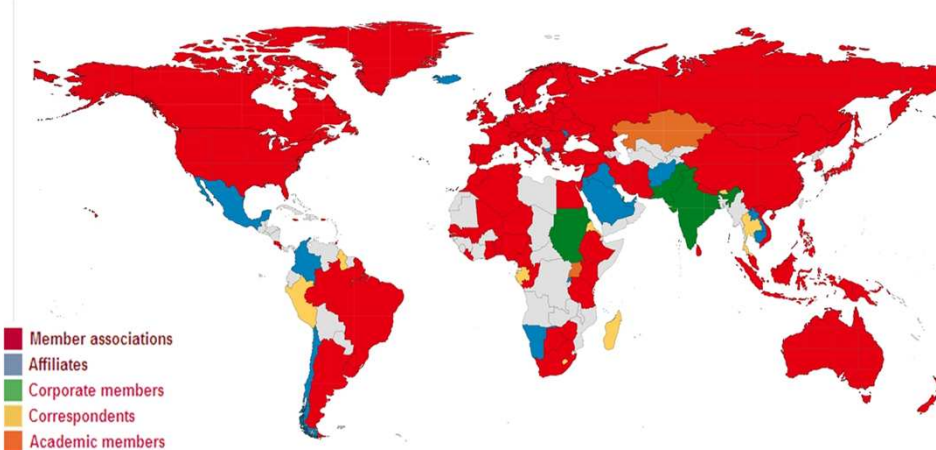


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2013 FIG Working Week
"Environment for Sustainability"
Abuja, Nigeria, 4th – 11th 2013







- Member associations
- Affiliates
- Corporate members
- Correspondents
- Academic members

106 Member Associations; 41 Affiliate Members; 90 Academic Members;
22 Corporate Members & 4 Correspondents

120 Countries
(1st Jan 2013)

Fédération Internationale des Géomètres
 International Federation of Surveyors
 Internationale Vereinigung der Vermessungsingenieure

Commissions

2012 General Assembly elected or confirmed as chair-elects –

FIG Commission 1	Brian J. Coutts (NZIS, New Zealand) (elected)
FIG Commission 2	Ms. Liza Groenendijk (GIN, The Netherlands)
FIG Commission 3	Enrico Rispoli (CNGeGL, Italy)
FIG Commission 4	Ms. Angela Kesiena Etuonovbe (NIS, Nigeria)
FIG Commission 5	Volker Schwieger (DVW, Germany)
FIG Commission 6	Ivo Milev (USLMB, Bulgaria)
FIG Commission 7	Ms Gerda Schennach (OVG, Austria) (elected)
FIG Commission 8	Kwame Tenadu (GhIS, Ghana) (elected)
FIG Commission 9	Liao Jinping (Patrick) (CIREA, PR China)

Council will recommend to this General Assembly for –

FIG Commission 10	a nominee of RICS as chair-elect
Young Surveyors Network	a candidate as chair-elect

Fédération Internationale des Géomètres
International Federation of Surveyors
Internationale Vereinigung der Vermessungsingenieure



Revised Voting Structure

The 2012 General Assembly in Rome unanimously adopted the recommendations from the Working Group on Voting Rights (that was convened by the 2011 General Assembly in Marrakech) that:

- the voting system be changed;
- the right to vote remains with member associations;
- a sliding scale of voting, relative to association's membership numbers, be adopted; and
- Council prepare and table a proposal (after consultation with the members) to amend Article 6.6 of the FIG Statutes no later than at the 1st session and to be implemented at the 2nd session of the 2014 General Assembly in Kuala Lumpur, Malaysia.

Fédération Internationale des Géomètres
International Federation of Surveyors
Internationale Vereinigung der Vermessungsingenieure



Revised Voting Structure: Council's Proposal

1: 2: 3 Voting Structure for Member Associations

- a) Member Association with 1000 or more members will have an extra vote (meaning two instead of one)
- b) Member Association that is paying the maximum membership fee will receive an extra vote (meaning three per association instead of one)
- c) All other Member Association continues to have one vote.

Responsibilities of Council Members: 2013 & 2014

Vice President Chryssy POTSIU (2011 – 2014)

Chair FIG Task Force on Property and Housing; manage and co-ordinate FIG's initiatives in the area of property and housing; responsible for FIG's response the UN-Habitat's global housing strategy and initiatives; responsible for FIG's initiatives on Academic Members; co-ordinate the annual Forum for Academic Members; Council's representative to the FIG Foundation.

Vice President Rudolf STAIGER (2011 – 2014)

Chair FIG's Advisory Committee of Commission Officers (ACCO); manage and co-ordinate FIG's ten Commissions, technical strategy and initiatives including providing oversight to FIG's initiatives on standards, peer-review process, knowledge sharing initiatives and Affiliate Members; Council's representative on the FIG's Task Force on Surveyor and Climate Change.

Responsibilities of Council Members: 2013 & 2014

Vice President Bruno Razza (2013 – 2016)

Manage and co-ordinate FIG's financial and administrative strategy and initiatives including providing oversight for general membership issues, the FIG Office, the FIG Administrative Manual; Council's representative on the FIG's Africa Task Force.

Vice President Pengfei Cheng (2013 – 2016)

Manage and co-ordinate FIG's initiatives and development in the areas of professionalism and ethics; support cooperation with regional structures and co-ordinate related agenda for action, outputs and delivery.

All Vice Presidents, together with the President, promote the Federation and the significance of the profession; communicate and clarify to the membership the vision and direction of the Federation, contribute in enhancing the Federation's partnership with UN related agencies, the World Bank and other external international or multi-lateral agencies as well as sister and allied organizations.



FIG Administration

Council have carefully considered and shaped an administration that will continue to build on the foundations that was laid, to carry and advance the Federation and its objective in the coming years and term. The FIG Administration is now wholly located within the FIG Office in Copenhagen and with the FIG Director departing FIG at the end of July this year, the reshaped Administration now comprises:

Ms Louise Friis-Hansen, FIG Manager;

Ms Hanne Elster, FIG Office and Events Coordinator;

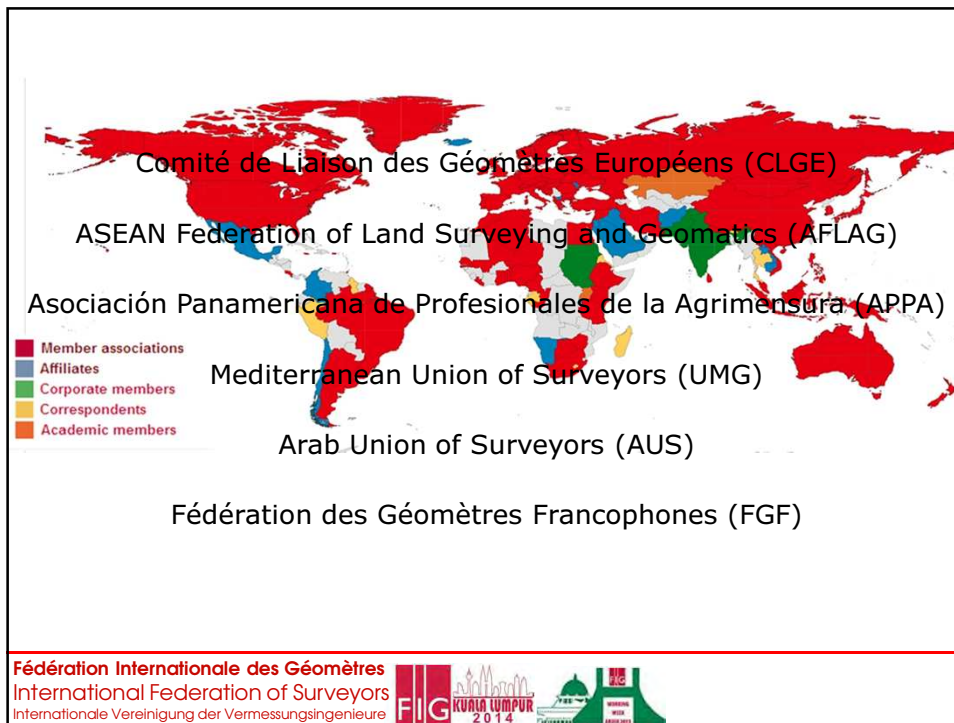
Ms Claudia Stormoen, FIG Office and Events Coordinator;

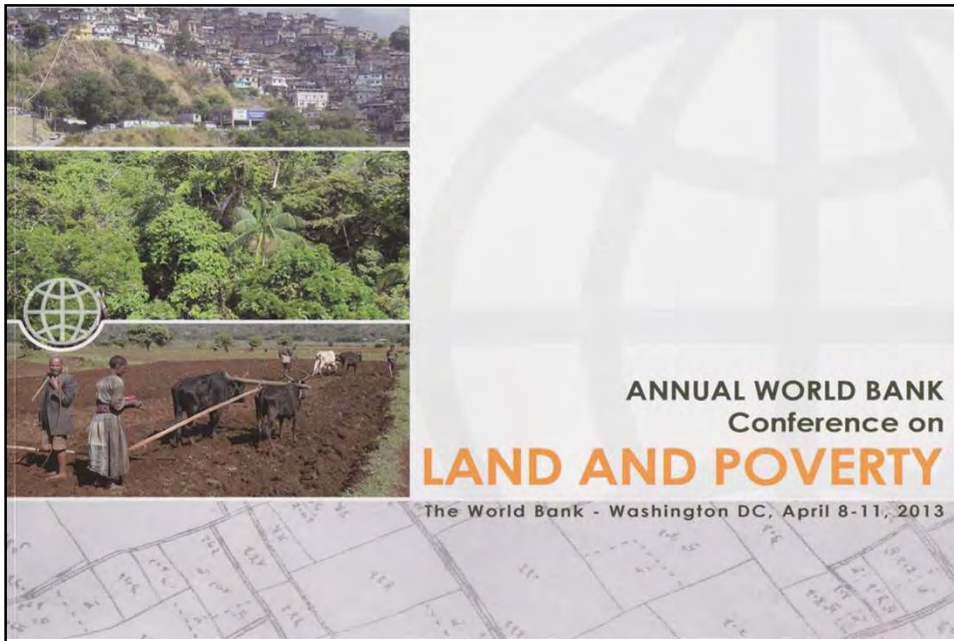
Ms Julie Hyun Sook Lee, FIG Development Coordinator; and

Ms Maria Bargholz, FIG Bookkeeper (*part time*).

(Council is grateful to the Korean Cadastral Survey Corporation (KCSC), a key member of the Korean Confederation of Surveyors, FIG member association from the Republic of Korea for providing and financially supporting one of its staff to undertake the role of FIG Development Coordinator)







**ANNUAL WORLD BANK
Conference on
LAND AND POVERTY**

The World Bank - Washington DC, April 8-11, 2013

Fédération Internationale des Géomètres
International Federation of Surveyors
Internationale Vereinigung der Vermessungsingenieure

FIG KUALA LUMPUR 2014

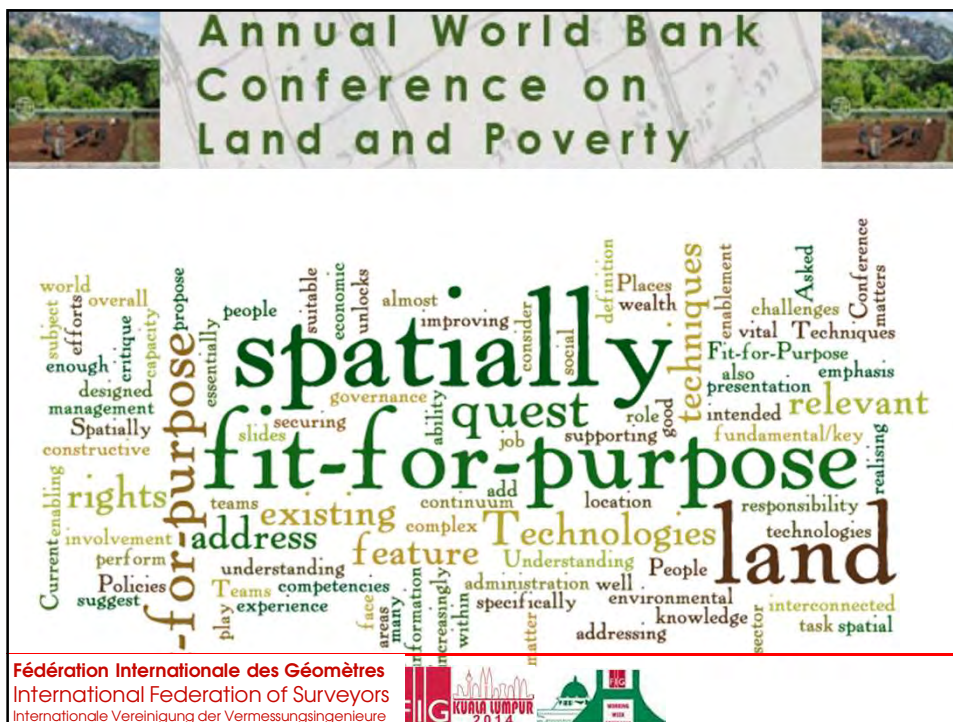


Annual World Bank Conference on
LAND AND POVERTY
APRIL 8 - 11, 2013 The World Bank - Washington DC

Logos of sponsors: UN HABITAT, GLTN, esri, BMZ, USAID, Trimble, ON, IFAAD, THE GEORGE WASHINGTON UNIVERSITY, Landesa, FIG, IFPRI, GIM, etc.

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FIG KUALA LUMPUR 2014



Annual World Bank Conference on Land and Poverty

word cloud terms: world, overall, propose, people, suitable, economic, unlocks, almost, improving, consider, social, definition, Places, wealth, techniques, enablement, challenges, Asked, Conference, matters, vital, Techniques, Fit-for-Purpose, emphasis, also, presentation, intended, relevant, fundamental/key, supporting, good, role, quest, ability, job, location, responsibility, realising, technologies, land, Understanding, People, interconnected, task, spatial, addressing, knowledge, environmental, well, administration, specifically, within, increasing, information, many, face, areas, play, experience, Teams, competencies, understanding, feature, Technologies, address, existing, complex, add, continuum, teams, securing, governance, slides, Spacially, constructive, management, designed, enough, critique, capacity, subject, efforts, Current, enabling, rights, involvement, perform, Policies, suggest, Current, enabling, rights, involvement, perform, Policies, suggest, Current, enabling, rights, involvement, perform, Policies, suggest.

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FIG KUALA LUMPUR 2014



A President's View of Fit-for-Purpose

“17. This brings me to the other important aspects of land governance which have been far more difficult to address across the world. This is the requirement of real time data and consolidated and co-ordinated databases on mapping, titles, etc. Good land governance even in multiple tenure and dual administrative systems require that land is mapped out clearly, each piece registered and different uses also recorded and shared across all the key actors. This is where the African Union land project referred to earlier has become so useful with the guidelines that it has generated.”

H.E., Mr. Festus Gontebanye Mogae, Former President of Botswana, Keynote Address, Annual World Bank Land and Poverty Conference, Apr 8, 2013

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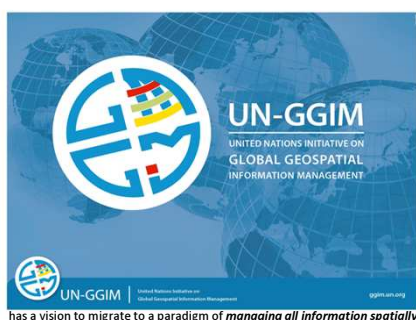


Fit-for purpose – Key principles

- **General boundaries rather than fixed boundaries**
 - General boundaries will be sufficient for most LA purposes in rural and semi-urban areas.
- **Satellite images/orthophoto rather than field surveys**
 - Sufficient and 3-5 times cheaper and less capacity demanding.
- **Accuracy relates to the purpose rather than technical standards**
 - Accuracy should be determined by the purpose. Rural/urban, titling, planning ...
- **Opportunities for updating, upgrading and improvement**
 - Building the spatial framework is **not** a one stop process
 - Opportunities for updating, sporadic upgrading, and incremental improvement
 - This, in turn, will establish a modern and fully integrated LAS

(Stig Enemark)

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“The rapid advances in geospatial information and technologies, and their easy accessibility, have made such information an invaluable tool in research, policy and business planning and implementation. Across all sectors of society, it is increasingly recognized that the effective use of geospatial information helps address many of the current humanitarian, peace and security, environmental, and development challenges facing the world, such as climate change, natural disasters, disease pandemics, famines, population displacement, food and economic crises, which are of a cross-border nature requiring both global, regional and national policy responses.”

(United Nations Secretary General's Report to the UN Economic and Social Council, 2011)

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UNRCC 19th United Nations Regional Cartographic Conference for Asia and the Pacific

Applications and the Importance of Geodetic Infrastructure

Mikael Lilje
Chair, FIG Commission 5 (Positioning and Measurement)
CheeHai TEO
President, FIG

UNRCC 19th United Nations Regional Cartographic Conference for Asia and the Pacific



FIG has collaborative activities with IAG, ICG, and IGS



UNRCC 19th United Nations Regional Cartographic Conference for Asia and the Pacific

Good Coordination starts with Good Coordinates

— David Doyle
FIG Regional Conference, Costa Rica, 2007



UNRCC 19th United Nations Regional Cartographic Conference for Asia and the Pacific

Technical Seminar on Reference Frame in Practice

4-5 May 2012, Rome, Italy

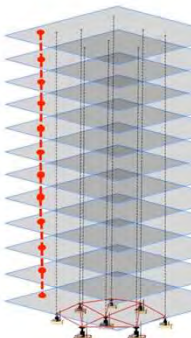


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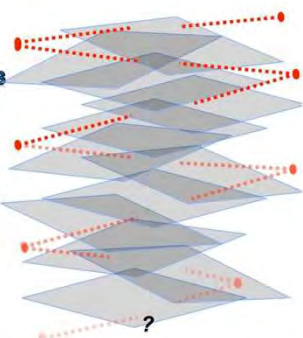


A Global Reference Frame for what?




Regional Reference Frame

METEOROLOGY
NATURAL RESOURCES
CROSS BORDER UTILITIES
BOUNDARY DISPUTES
URBAN DATA
CONSTRUCTION
MILITARY
GEOLOGY / SEISMOLOGY
REGIONAL PLANNING
TRANSPORTATION
DTM, DEM
NATIONAL BOUNDARIES



Discrete Reference Frames


— = spatial "dialogue"



(John Whitehead, 2012)

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Provide international perspectives and understanding of urban hazard and risk terminologies and processes, and how they may be applied. Although hazards are relatively easy to understand – earthquakes, tsunamis, floods, typhoons, and so on – the frequency, likelihood, or risk of them occurring and impacting on urban environments is much harder to understand and demonstrate. Disaster risk reduction programs aim to reduce the vulnerability (and enhance the resilience) of communities to the adverse effects of natural hazards. A key step in reducing vulnerability is the development and delivery of natural hazard impact and risk information and mapping

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Agenda Item 4:
Global Geodetic Reference Frame
Annotation to Agenda Item:
Report of the Regional Committee of United Nations Global Geospatial Information Management for Asia and the Pacific in collaboration with the International Association of Geodesy on the global geodetic reference frame.

Agenda Item 10:
Critical issues relating to the integration of land and marine geospatial information
Annotation to Agenda Item:
Report of the Secretary-General in collaboration with the International Hydrographic Organization (IHO) and the International Federation of Surveyors (FIG) on critical issues relating to the integration of land and marine geospatial information.

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TIME TO THINK URBAN

UN-HABITAT
24th Session Governing Council
NAIROBI, 15-19 APRIL 2013

UN-HABITAT
The United Nations Programme for Human Settlements

Global Land Tool Network

Pillar 1 - Participatory and Inclusive Land Readjustment

Sector criteria

Global Land Tool Network

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FIG
KUALA LUMPUR 2014

MARKING WITH PRECISION

Continuum of Land Rights *Global Land Tool Network, UN-HABITAT (2010)*

GLOBAL LAND TOOL NETWORK **FIG**

The Social Tenure Domain Model
A Pro-Poor Land Tool
FIG Publication No. 52

include rights that are documented as well as undocumented, from individuals and groups, from pastoralist and informal settlers, that are legal as well as extra-legal and informal

Addressing the Land Information Requirements of the Urban Poor - Piloting STDM in Uganda
Pilot Activities

- 1. Building local partnerships in Uganda and selecting a pilot city**
- 2. Customization of STDM Intermediate version in response to local context**
- 3. Learning, monitoring and documentation - what is needed to build capacity?**
- 4. Drawing lessons for wider application**
- 5. Dissemination**

(After Danilo Antonio et al, 2012)

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FIG
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MARKING WITH PRECISION

VOLUNTARY GUIDELINES ON THE

Responsible Governance of Tenure

OF LAND, FISHERIES AND FORESTS IN THE CONTEXT OF NATIONAL FOOD SECURITY




Endorsed on 11th May 2012 by the United Nations Committee on World Food Security

The guidelines address a wide range of issues including recognition and protection of legitimate tenure rights, even under informal systems; best practices for registration and transfer of tenure rights; managing expropriations and restitution of land to people; rights of indigenous communities; ensuring that investment in agricultural lands occur responsibly and transparently; dealing with the expansion of cities into rural areas



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VOLUNTARY GUIDELINES ON THE

Responsible Governance of Tenure

OF LAND, FISHERIES AND FORESTS IN THE CONTEXT OF NATIONAL FOOD SECURITY

Endorsed on 11th May 2012 by the United Nations Committee on World Food Security

“ . . . an urgency and an immediate challenge in the building of an up-to-date, credible, comprehensive and authoritative inventory of land (and the seas) that include information on tenure, custodianship and ownership.”

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FIG FIG REPORT
FIG PUBLICATION NO 63

Sydney Agenda for Action
Small Island Developing States and the Millennium
Development Goals: Building the Capacity



The Role of Land Professionals
SIDS Seminar, FIG Congress, Sydney, Australia 14th-15th April 2010

FIG
INTERNATIONAL FEDERATION OF SURVEYORS

(FIG acknowledged the funding provided by Aus Aid, FAO, Commonwealth Foundation, and NZ Aid towards the success of this Seminar.)

During the XXIV FIG Congress in Sydney, 2010, a seminar was organised to address the challenges Small Island Developing States (SIDS) are facing in achieving the Millennium Development Goals (MDGs) and with a special focus on the Pacific Region. The Seminar articulated the input of surveying professionals in the Pacific Region and emphasised the importance of good land governance especially in relation to climate change and natural disaster; access to land, coastal and marine resources; and secure land tenure and administration. The seminar adopted the “**Sydney Agenda for Action**” that aims at developing the capacity of surveying professionals to deal with these challenges.

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FIG KUALA LUMPUR 2014





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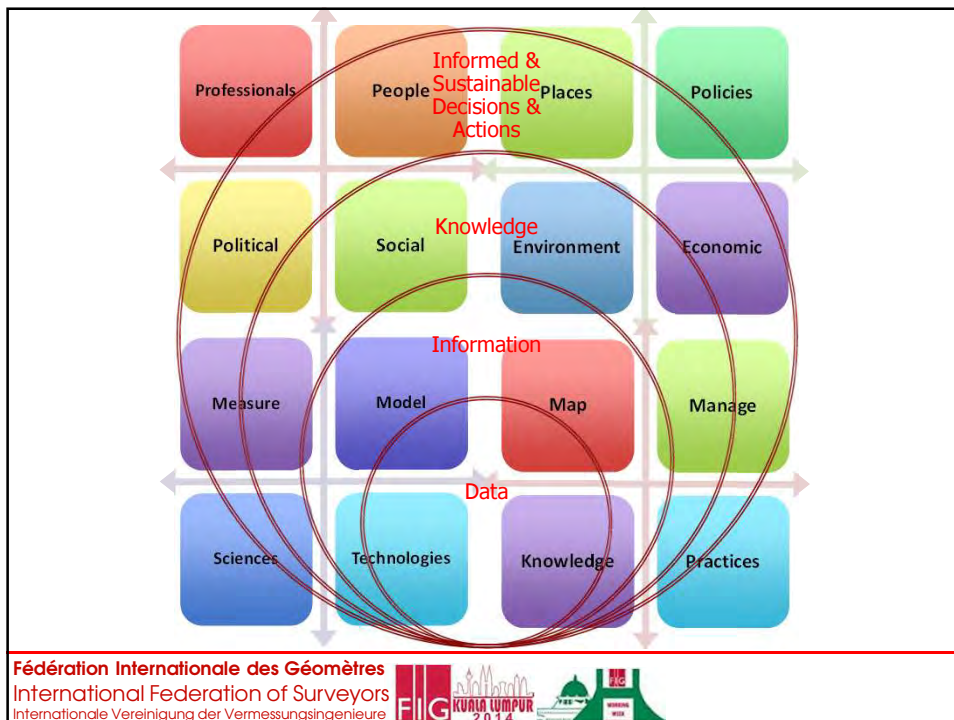
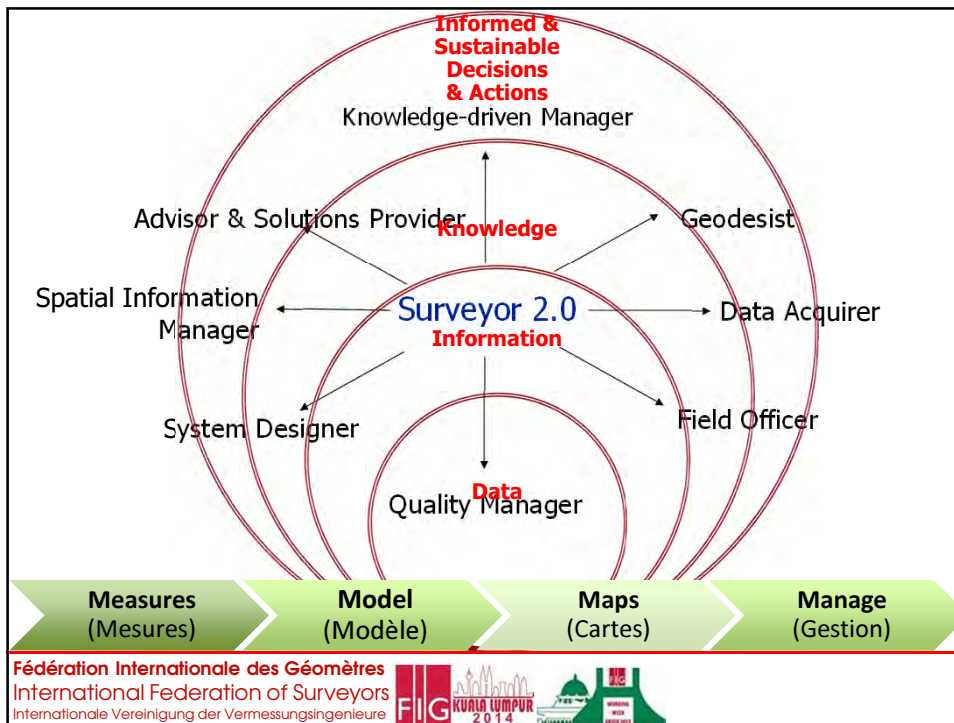
“**Sydney Agenda for Action**” has five points;

- Flying high with feet on the ground;
- Developing vehicles for building professional capacity;
- Building roles and responsibility for professionals;
- Acting responsibly; and
- Driving the Agenda for the Pacific.

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FIG KUALA LUMPUR 2014





2011 - 2014 Work Plan:
Engaging the Challenge: Enhancing the Relevance

Engaging the Membership

- Communications
- Commissions
- Conference Structures

Engaging Global Challenges

- Collaborating
- Contributing
- Cascading

Enhancing the Significance and Relevance towards the betterment

- Society
- Environment
- Economy

Legend:

- Member associations
- Affiliates
- Corporate members
- Correspondent members
- Academic members

Vision
 A Profession, armed with knowledge and best practices, extending the usefulness of surveying for the benefit of society, environment and economy, increasingly positioned in significance and relevance, next door to everywhere.

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FIG KUALA LUMPUR 2014

Median Age in Years	1950	1980	2010	2050	2100
Latin America and Caribbean	20.1	20.1	27.9	41.0	46.6
Africa	19.2	17.5	19.8	26.4	35.9
World	23.9	23.1	29.4	37.9	41.9

(United Nations Department of Economic and Social Affairs)

addressing the needs of Youth as a broad category within Society and Economy.

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FIG KUALA LUMPUR 2014



Commission 3: Spatial Information Management

Prof. Dr. Yerach Doytscher, Chair



General Assembly, 6 May 2013
A Progress Report

Terms of Reference

- Management of spatial information concerned with land and property (data, tools, policies, standards, and regulations);
- Spatial data infrastructure (SDI) – collection technologies, integration processes, maintenance, visualization, standardization, and dissemination;
- Management and dissemination of knowledge and skills for SIM (Spatial Information Management);
- Impacts on organizational structure, business models, Public-Private-Partnerships, professional practice, and administration;
- Management of spatial information in supporting good governance.



General Assembly, 6 May 2013
A Progress Report

Main Mission Statements

- Increasing awareness about successful and qualitative SIM approaches (availability, reliability, efficiency, and accessibility of SIM);
- Support of spatial information and SIM-tools usage by surveyors and by all decision-making participants;
- Share good practice on:
 - Managerial processes and infrastructure required for data handling;
 - Develop high-level methods and techniques for merging and managing updated spatial information;
- Establish and maintain data - and data-quality-standards - relevant to SIM;
- Encourage the use of spatial information within e-government and e-commerce.

Organization and Working Groups

- **Administration**
 - Vice-Chair for Communication: Dr. Sagi Dalyot, Germany/Israel
 - Vice-Chair for Events: Mr. Gerasimos Apostolatos, Greece
- **Working Group 3.1 – SIM Infrastructure**
 - Chair: Prof. Dr. Hartmut Mueller, Germany
- **Working Group 3.2 – Technical Aspects of SIM**
 - Chair: Prof. Dr. Ioannidis Charalabos, Greece
- **Working Group 3.3 – 3D Cadastre** (Joint Working Group with Commission 7)
 - Chair: Prof. Dr. Peter van Oosterom, the Netherlands

Events - 2011

- **The Annual FIGWW 2011 conference (May 18-22), Marrakech, Morocco**
 - 20 technical sessions (including joint sessions with other commissions).
 - Close to 80 presentations in these sessions.
- **The Annual 2011 FIG Commission 3 workshop/conference (October 25-28), Paris, France**
 - Close to 50 participants arriving from 19 countries worldwide.
 - 8 technical sessions with approximately 35 presentations.
- **2nd International Workshop on 3D Cadastres – jointly with Commission 7 (16-18 November 2011), Delft, The Netherlands**
 - 9 technical sessions and 4 working sessions.
 - More than 30 presentations.



General Assembly, 6 May 2013
A Progress Report

Events - 2012

- **The Annual FIGWW 2012 conference (May 6-10), Rome, Italy**
 - 23 technical sessions (including joint sessions with other commissions).
 - Close to 100 presentations in these sessions.
- **The 8th FIG Regional Conference, Montevideo, Uruguay, 26-29 November 2012**
 - 4 technical sessions with close to 20 presentations.
- **3rd International Workshop on 3D Cadastres – jointly with Commission 7 (25-26 October 2012), Shenzhen, China**
 - 6 technical sessions; more than 20 presentations.
- **The Annual 2012 FIG Commission 3 workshop/conference (December 10-14), Athens, Greece (Jointly with FIG Task Force on Property and Housing, and 2012 UNECE WPLA workshop)**
 - Close to 100 participants arriving from more than 25 countries worldwide.
 - 16 technical sessions; more than 70 presentations



General Assembly, 6 May 2013
A Progress Report

Planned Events

2013


- **The Annual FIGWW 2013 conference (May 6-10), Abuja, Nigeria**
- **The Annual 2013 FIG Commission 3 workshop/conference (November 13-16), Skopje, FYROM** (Jointly with FIG Task Force on Property and Housing, and the South-East European Research Association on Geo-Sciences)
 - A call for participation has been published (<http://conf2013.geo-see.org>)

2014

- **FIG 2014 Congress (June 16-21), Kuala Lumpur, Malaysia**
- **The Annual 2014 FIG Commission 3 workshop/conference (November/December), location still open**



General Assembly, 6 May 2013
A Progress Report



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FIG COMMISSION 4
Hydrography



FIG Commission 4 FIG2013 ABUJA, NIGERIA

Dr. Michael Sutherland, MRICS (Canada and Trinidad & Tobago)
Chair, Commission 4, FIG
Deputy Dean (Undergraduate Students), Faculty of Engineering
Department of Geomatics Engineering and Land Management
University of the West Indies
St. Augustine, TRINIDAD & TOBAGO



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FIG COMMISSION 4
Hydrography



FIG Commission 4



- **Over 60 Delegates, Correspondents and Academic Members**
- **Representation from over 50 countries**
- **Terms of Reference**
 - Hydrographic Surveying
 - Hydrographic Education
 - Marine Environment and Coastal Zone Management
 - Data Processing and management
 - Nautical Charting and Bathymetric Mapping




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FIG COMMISSION 4
Hydrography

Commission 4

Communications and Publications

- Official FIG Websites:
<http://www.fig.net/commission4/>
- A newsletter is published in *Hydro International* and is distributed free of charge to Commission 4 delegates.
- News from the Commission have been published in the *Hydrographic Journal*, *Geomatica*, *Geomatics World* and *Lighthouse*.



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FIG COMMISSION 4
Hydrography

FIG Publications

www.FIG.net

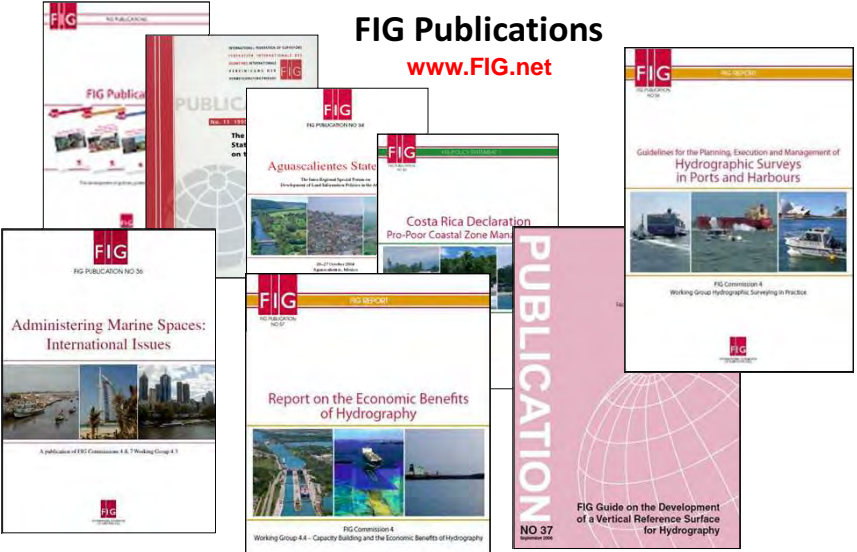


FIG PUBLICATION NO 36
Administering Marine Spaces: International Issues
A publication of FIG Commission 4 & 7 Working Group 4.1

FIG PUBLICATION NO 37
Report on the Economic Benefits of Hydrography
Working Group 4.4 – Capacity Building and the Economic Benefits of Hydrography

FIG PUBLICATION NO 38
Aguascalientes State
The First English-Spanish Edition on the Development of a Vertical Reference Surface

FIG PUBLICATION NO 39
Costa Rica Declaration Pro-Poor Coastal Zone Management

FIG PUBLICATION NO 40
Guidelines for the Planning, Execution and Management of Hydrographic Surveys in Ports and Harbours
FIG Commission 4 Working Group Hydrographic Surveying in Practice

FIG PUBLICATION NO 41
FIG Guide on the Development of a Vertical Reference Surface for Hydrography



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Internationale Vereinigung der Vermessungsingenieure

FIG COMMISSION 4 Hydrography



Commission 4 Officers 2011-2014



- **Administration and Communications:** Gordon Johnston, MRICS (UK)
- **Working Group 4.1 – Ellipsoidally Referenced Hydrographic Surveys:** Jerry Mills (USA)
- **Working Group 4.2 – Standards and Guidelines:** Andrew Leyzack (Canada)
- **Working Group 4.3 – Optimizing Multi-Sensor Systems for Hydrographic Applications:** Prof. Dr. Volker Böder (Germany) – Deceased 
- **Working Group 4.4 – Maritime and Marine Spatial Information Management:** Dr. Jonathan Li (Canada)
- **Working Group 4.5 – Hydrography in Africa:** Angela Euonovbe (Nigeria), Commission 4 Chair-Elect



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FIG COMMISSION 4 Hydrography



ACTIVITIES OF THE CHAIR 2012



- Organizing sessions at FIG2012 (Rome, Italy) and the 8th FIG Regional Conference in Montevideo, Uruguay, and FIG2013 (Abuja, Nigeria), among the other duties of the position.
- Writes regular newsletter in a number of journals and magazines.

Specifically invited to speak at certain international events, and gave the following Commission 4 relevant presentations:

- Sutherland M. (2012). "Boundaries and Governance in Coastal and Marine Spaces". Special invited presentation, European Union Permanent Committee on Cadastre (PCC), Cyprus, November 29-30.
- Sutherland M. (2012). "Spatially Enabled Governance". Special invited presentation, UNRCC-PCGIAP International Symposium on Spatially Enabled Government and Society, Kuala Lumpur, Malaysia, February 15-16.

FIG

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FIG COMMISSION 4

Hydrography

2012



- **Vice-Chair, Administration and Communications:** Gordon Johnston, MRICS (UK)
- Continues work with FIG/IHO/ICA International Board





- Jointly with IHO began organizing “Blue Economy” conference. The successful conference was held on Tuesday 9th April 2013 at the National Oceanographic Centre (NOC) Southampton, England.


FIG

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FIG COMMISSION 4

Hydrography

2012




- **Working Group 4.1 – Ellipsoidally Referenced Hydrographic Surveys:** Jerry Mills (USA)
- Work is progressing on writing and editing the proposed technical report on ERS surveys.
- Next Steps:
- Continue to engage the international hydrographic community in identifying and refining “best practices” for (a) the use of GNSS in vertical positioning relative to the ellipsoid for hydrographic surveying, (b) the development of vertical separation models and (c) the determination of uncertainty models for both of the above.
- Produce a publication on the above “best practices” and make a proposal to the International Hydrographic Organization (IHO) to include the information in this publication in the IHO Manual on Hydrography.



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FIG **FIG COMMISSION 4**
Hydrography


2012



- **Working Group 4.2 – Standards and Guidelines: Andrew Leyzack (Canada)**

The working group continues to seek to:


- Promote the use of standards and guidelines to the surveying community;
- Review Standards coming from ISO TC211 (and other reputable sources) for relevance to Hydrography;
- Assess the impact of international standards on current industry practice;
- Represent Commission 4 on the FIG Standards Network;
- Promote recognition of professional pathways;
- Review IHO and other Manuals of Hydrography in conjunction with WG 4.3.



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FIG **FIG COMMISSION 4**
Hydrography


2012



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FIG COMMISSION 4
Hydrography

2012



- **Working Group 4.3 – Optimizing Multi-Sensor Systems for Hydrographic Applications:** Prof. Dr. Volker Böder (Germany). Died Tragically on Friday, 31st August, 2012.

Next Steps:

- The ftp site has to be filled up with information, published to interested user and later be switched to a website.
- The IHO Manual will be investigated regarding possible additions.
- Aspects of multi-sensor systems for hydrographic applications was presented at the Hydro12 conference in Rotterdam (NL) in November 2012 (hydro12.com).



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FIG COMMISSION 4
Hydrography


2012




- **Working Group 4.4 – Maritime and Marine Spatial Information Management:** Dr. Jonathan Li (Canada)

Involved in:

- Conference Chair, International Conference on Computer Vision in Remote Sensing, 16-18 December 2012, Xiamen, China
- Scientific Committee, 8th International Conference on Geo-information for Disaster Management (Gi4DM 2012), 13-14 December 2012, Enschede, The Netherlands
- Chair, Scientific Committee, International Symposium on Geomatics for Integrated Water Resources Management (GIWRM2012), 19-21 October 2012, Lanzhou, Gansu, China
- International Advisory Board, International Workshop on Laser Scanning Technologies and Applications (LSTA2012), 28 March 2012, Kuala Lumpur, Malaysia **[many more]**







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FIG COMMISSION 4
Hydrography

2012




- **Working Group 4.5 – Hydrography in Africa:** Angela Euonovbe (Nigeria), Commission 4 Chair-Elect
- In 2012 this working group continued engaging stakeholders with the aim of increasing recognition in Africa of the important contributions of hydrography to society's objectives, and to ensure that this discipline receives the public funding and support that it deserves.
- Continues to be involved with FIG Africa Task Force.





International Federation of Surveyors
Fédération Internationale des Géomètres
Internationale Vereinigung der Vermessungsingenieure

FIG COMMISSION 4
Hydrography



Supports Young Surveyors Network seeks to improve the participation of young professionals in FIG activities, in particular, to increase co-operation between the commissions and young surveying professionals including students.

In a period where many of the member organizations are facing difficulties to attract younger people to the profession, the aim of the Network is to foster connections between the "older" and the "younger" surveyors.



FIG COMMISSION 4
Hydrography

FIG Commission 4 Looking Forward

- **Maximizing stakeholder relationships (MOUs):**
 - **FIG-International Hydrographic Organisation**
 - **FIG-International Federation of Hydrographic Societies**
 - **FIG-World Bank**
- **Seek to develop other relevant relationships**



FIG COMMISSION 4
Hydrography

FIG Commission 4 Looking Forward

- **FIG Commission 4 shall continue to represent Hydrography and is planning participation in Abuja at the FIG Working Week in 2013.**
- **The further promotion of the work of FIG, IHO and Hydrography shall be continued through articles, presentations and papers.**

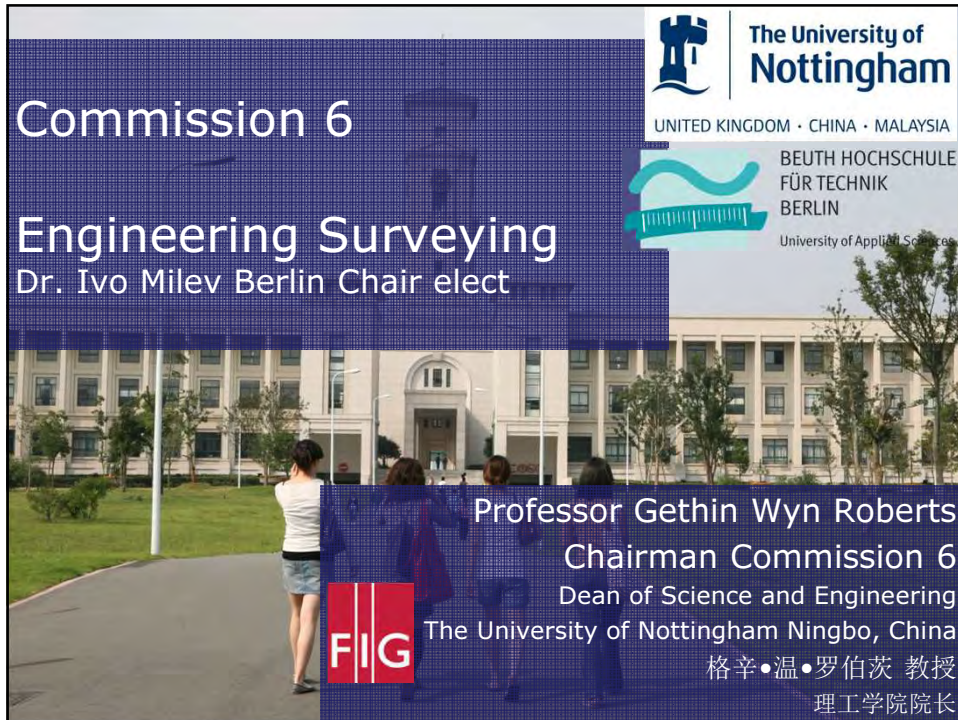


FIG International Federation of Surveyors
Fédération Internationale des Géomètres
Internationale Vereinigung der Vermessungsingenieure
FIG COMMISSION 4
Hydrography

FIG Commission 4 FIG2013 ABUJA, NIGERIA

Dr. Michael Sutherland, MRICS (Canada and Trinidad & Tobago)
Chair, Commission 4, FIG
Deputy Dean (Undergraduate Students), Faculty of Engineering
Department of Geomatics Engineering and Land Management
University of the West Indies
St. Augustine, TRINIDAD & TOBAGO

END



Commission 6

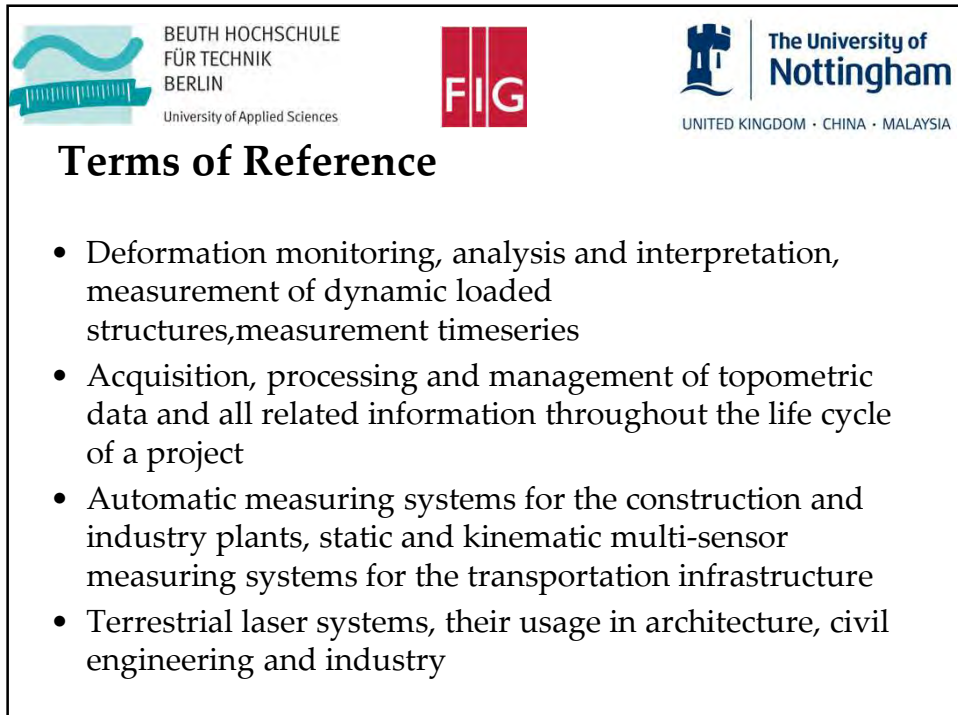
Engineering Surveying
Dr. Ivo Milev Berlin Chair elect

The University of Nottingham
UNITED KINGDOM · CHINA · MALAYSIA

BEUTH HOCHSCHULE FÜR TECHNIK BERLIN
University of Applied Sciences

FIG

Professor Gethin Wyn Roberts
Chairman Commission 6
Dean of Science and Engineering
The University of Nottingham Ningbo, China
格辛·温·罗伯茨 教授
理工学院院长




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FIG

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Terms of Reference

- Deformation monitoring, analysis and interpretation, measurement of dynamic loaded structures, measurement timeseries
- Acquisition, processing and management of topometric data and all related information throughout the life cycle of a project
- Automatic measuring systems for the construction and industry plants, static and kinematic multi-sensor measuring systems for the transportation infrastructure
- Terrestrial laser systems, their usage in architecture, civil engineering and industry



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FIG

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- WG6.1 Deformation Monitoring and Analysis (Prof W. Niemeier)
- WG6.2 Engineering Surveys for Construction Works and Structural Engineering (Joel Van Cranenbroeck)
 - Study Group 6.2.2 Laser Scanners (Joint with Commission 5, Commission 6 has lead)
 - Study group 6.2.5 Railway Surveying Techniques
- WG6.3 Machine Control and Guidance (H VadJensen)
- WG6.4/5.5 Ubiquitous Positioning Systems (Dr A Kealy, Dr G Rechster)



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FIG

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Deformation Monitoring,
Analysis and Interpretation



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FIG

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Engineering Surveys for Construction Works and Structural Engineering



Image by Joel van Cranenbroeck

The slide features a large aerial photograph of a construction site in a dense urban area. A surveying instrument is mounted on a tall tower structure. An inset photograph in the upper right corner shows a worker in a white shirt and yellow hard hat operating a Leica scanner on a construction site.

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FIG

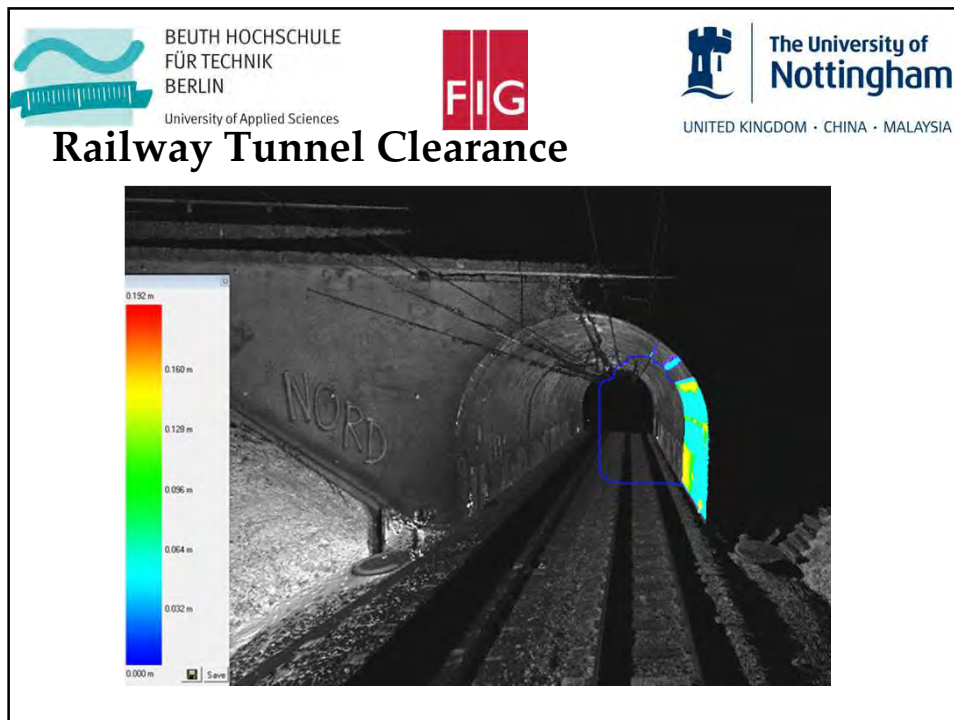
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Multisensor Scanning Complex



11 7 2012

The slide shows two workers in high-visibility vests adjusting a MEGL VMX-450 scanner mounted on a construction site. The scanner is a complex piece of equipment with multiple sensors. A date stamp '11 7 2012' is visible in the bottom right corner of the photograph.



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FIG

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- **Events**
- 2011 Marrakech, Ulaanbaatar, Novosibirsk, Oskemen Kazakhstan
- 2012 Novosibirsk
- Nov 2012, Kazakhstan, Uruguay
- Nov 2012, WG6.2 Hong Kong
- Apr 2013, Interexpo GEO-Siberia-2013" - "Advanced Geospatial and Surveying Technologies for Environmental Management and Sustainable Development"
- Mai 2013 Nigeria Working Week
- June 2013 Philippines
- Sept 2013 6.1 Deformation Monitoring Symp. UK

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FIG

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Organization of regional FIG events, and events organized in co-operation with sister organisations.



The map displays Central Asia and Mongolia with several orange dots indicating event locations. Labels include: Астана Astana (Kazakhstan), Қазақстан (Kazakhstan), О'zbekiston (Uzbekistan), Тоҷикистон (Tajikistan), Туркменистан (Turkmenistan), Кыргызстан (Kyrgyzstan), Алматы (Almaty), Бишкек (Bishkek), Ташкент (Tashkent), Монгол Улс (Mongolia), Улаанбаатар (Ulaanbaatar), Beijing (China), and Seoul (South Korea). The Caspian Sea is also labeled.

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FIG

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Organizers: FIG, KGS VII, CITA

Co-organizers: ISPRS, AET

FIG Commissions 5, 6 Workshop
INNOVATIVE TECHNOLOGIES FOR AN EFFICIENT
GEOSPATIAL MANAGEMENT OF EARTH RESOURCES
PROCEEDINGS
09-10 September 2012
Almaty, Kazakhstan


General sponsors: [Logos]

Sponsors: [Logos]

2012



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FIG



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- **Rome 2012**
 - TS01F - Dam and Reservoir Engineering Surveying
 - TS01L - Mining and Underground Engineering Surveying I
 - TS02F - Engineering Surveying – Photogrammetry
 - TS03F - Deformation Monitoring I
 - TS04F - Deformation Monitoring II
 - TS05J - Mining and Underground Engineering Surveying II
 - TS06G - Engineering Surveying, Machine Control and Guidance
 - TS07A - Laser Scanners I
 - TS07M - Remote Sensing Applications and Case Studies
 - TS08C - Laser Scanners II
 - TS09D - Laser Scanners III
 - TS09I - Engineering Surveying
 - TS05H - Remote Sensing I
 - TS06I - Remote Sensing II
 - TS08B - The Impact of Earthquakes and Geodynamics on Geodetic Reference Frames

FIG COMMISSION 10 - Construction Economics and Management



FIG Working Week 2013
6–10 May, Abuja, Nigeria
"Environment for Sustainability"



FIG COMMISSION 10

ABUJA, NIGERIA, MAY 6TH, 2013

ROBERT ŠINKNER, CZECH REPUBLIC

FIG RED & NIS GREEN = DRAGOON



FIG Working Week 2013
6–10 May, Abuja, Nigeria
"Environment for Sustainability"

The 36th FIG Working Week
Abuja, Nigeria, 6-10 May 2013



FIG COMMISSION 10 - Construction Economics and Management

Chair: Robert ŠINKNER, Czech Republic



-  ✓ **FIG Commission 10 Chair**
-  ✓ **CZSC – Czech Union of Surveyors and Cartographers, 1st Vice-Chairman of the Board**
-  ✓ **GEFOS a.s. – private company, co-owner, Vice Chairman of Board**
-  ✓ **VŠTE – University for technical and economical studies, Faculty of Applied Science - Geodesy**



FIG Working Week 2013
6–10 May, Abuja, Nigeria
"Environment for Sustainability"

The 36th FIG Working Week
Abuja, Nigeria, 6-10 May 2013

FIG COMMISSION 10 - Construction Economics and Management



Ing. Robert ŠINKNER, MBA

Education:

- ✓ Secondary School - Gymnázium Jírovcova, ČB, 1983
- ✓ Czech Technical University in Prague (ČVUT), CR
Faculty of Construction, Department of Geodesy
and Cartography, 1988
- ✓ Sheffield Hallam University + MÚVS, MBA, 2004



**The 36th FIG Working Week
Abuja, Nigeria, 6-10 May 2013**

FIG COMMISSION 10 - Construction Economics and Management

FIG COM10 - TERMS OF REFERENCE

- ✓ Construction economics including Quantity Surveying, Building Surveying, Cost Engineering and Management, Estimating and Tendering (Bidding)
 - ✓ Commercial management including Procurement
 - ✓ Risk Management and Contract Law for construction and non construction activity
 - ✓ Construction Law and Negotiation
 - ✓ Project and programme management including Planning / Scheduling
- New topic:**
- ✓ BIM – Building Information Modelling



**The 36th FIG Working Week
Abuja, Nigeria, 6-10 May 2013**

FIG COMMISSION 10 - Construction Economics and Management

WORKING GROUPS - I

The main idea for Commission 10 for the period of 2011 – 2014 was to bring the **Balance** into the FIG Com10 activity through the persons of 4 Chairs (Commission Officers) of 4 Working Groups:

Balance in 4 aspects:

- ✓ **Geographical:** W. + E. Europe / Africa / Asia / Australia / S. + N. America
- ✓ **Development:** Developed Countries / Developing Countries
- ✓ **Gender & Age:** Male / Female & Youths / Wise
- ✓ **Environmental:** Academic / Government / Private



The 36th FIG Working Week
Abuja, Nigeria, 6-10 May 2013

FIG COMMISSION 10 - Construction Economics and Management

WORKING GROUPS - II

- ✓ Working Group 10.1 - **Construction Economics** – Chair: Ms Sara J. Wilkinson, Australia
 - ✓ Working Group 10.2 - **Commercial Management** – Chair: Ms Tzena Wong, Hong Kong SAR, China
 - ✓ Working Group 10.3 - **Project and Programme Management** – Chair: Mr. Michael K. Frimpong, Ghana
 - ✓ Working Group 10.4 – **Green Management, BIM** – Chair: Mr. Hock Hai Kwan, Malaysia
- + great supporter from Italy – Andrea Massaro



The 36th FIG Working Week
Abuja, Nigeria, 6-10 May 2013

FIG COMMISSION 10 - Construction Economics and Management

YEAR 2012 – I

Working Week, Italy, Rome, 6th - 10th May, 2012

- ✓ The Technical Programme for the Working Week was prepared with the great support from FIG Director Markku Villikka and from the FIG Office.
- ✓ The Chair of Commission 10 took part at the 1st Young Surveyors Conference on 4th May and at ACCO Meeting on 5th May.
- ✓ Annual Meeting of Com10 was holding on 6th May, 2012 in Hotel Cavalieri. The Annual Report 2011 and Work Plan for 2012 Plan were introduced to the supporters of Commission 10. The presentation was followed by the interesting discussion about Project management, Green Management, Sustainable Development and Building Information Modeling. The annual meeting was visited by the Vice President Rudolf Staiger.
- ✓ There were prepared three Technical Sessions for the Working Week for Monday, 7th May, in room Caravaggio, and one Technical Session about BIM (Building Information Modeling) for Wednesday 9th May, The Technical Session brought interesting presentations of the papers followed by the live discussion to the topics. The reaction of the auditorium was perfect, and the best speaker of each session was rewarded by one bottle of the famous Czech beer.



The 36th FIG Working Week
Abuja, Nigeria, 6-10 May 2013

FIG COMMISSION 10 - Construction Economics and Management

YEAR 2012 – II

Working Week, Italy, Rome, 6th - 10th May, 2012

- ✓ At the TS on Wednesday was presented a paper, which later became an **Article of the Month June 2012**: Jason Smith, President, Institute of Civil Engineering Surveyors, UK: **BIM – A Contractors Perspective**.
- ✓ Building information modeling (**BIM**) is an approach to designing and documenting building projects and is gaining acceptance in many jurisdictions across the world. It allows all stakeholders and actors within a building project the seamless link between the owner, the designers, the construction professionals, the master builders and the end users. In an era where our profession works towards managing all information spatially, BIM is an enabling a platform that should bring not only sharing and collaboration, but also avoidance of duplication, timeliness and value adding.



The 36th FIG Working Week
Abuja, Nigeria, 6-10 May 2013

FIG COMMISSION 10 - Construction Economics and Management

YEAR 2012 – III

- ✓ 10th Volleyball Tournament for Surveyors 2012, Sobota 19th, May, 2012, hall Czech Technical University (ČVUT), Pod Juliskou, Prague 6 – FIG and FIG Com 10 as a proud sponsor of this popular sport event for Czech and Slovak Surveyors
- ✓ International Conference BIM Day 2012, Prague, Tuesday, 12th June. Dr. Stephen Hamil introduced the National BIM Library
- ✓ 8th FIG Regional Conference in Montevideo, Uruguay (26th – 29th November, 2012)
ACCO Meeting and Technical Programme one Technical Session with three papers and 25 auditors.
- ✓ The Deputy Czech National Delegate of FIG Com10 Ing. Ivan Turecek took part at the International Conference BIM2Day 2012 (BIM today – BIM tomorrow), Prague, 29th November, 2012.



FIG Working Week 2013
6-10 May, Abuja, Nigeria
"Environment for Sustainability"

The 36th FIG Working Week
Abuja, Nigeria, 6-10 May 2013

FIG COMMISSION 10 - Construction Economics and Management

YEAR 2012 - IV

Cooperation with the AAQS - Africa Association of Quantity Surveyors (www.aaqs.org)

The Prime objective of AAQS is to unite national bodies of quantity surveyors on the African continent on a democratic basis and to foster co-operative, intellectual, cultural, educational and scientific ties among such bodies.

14th Council placed on 23rd June 2012 in Durban, South Africa under **President M K (Michael) Frimpong**. Michael decided to stop his activities as a Chair of Working Group 10.3 due to his work for AAQS – Michael has not so much time to work as a Chair of WG10.3 as he would like to do... ☹



FIG Working Week 2013
6-10 May, Abuja, Nigeria
"Environment for Sustainability"

The 36th FIG Working Week
Abuja, Nigeria, 6-10 May 2013

FIG COMMISSION 10 - Construction Economics and Management

YEAR 2012 - V

Cooperation with the PAQS - Pacific Association of Quantity Surveyors (www.paqs.net)

The Pacific Association of Quantity Surveyors (PAQS) is an international association of national organizations representing Quantity Surveyors in the Asia and Western Pacific region.

The 16th PAQS Congress and Board meeting was successfully held in Brunei Darussalam from 7 to 10 July 2012.

The theme of the congress was Innovation and Sustainability: Challenges and Opportunities.

Vice Chair and Chair of WG 10.4 – Green Management, Mr. Hock Hai Kwan, became a member of Research Committee of PAQS and as a Chair of WG 10.4 due to the big amount of work for PAQS.

Memorandum of Understanding between THE PACIFIC ASSOCIATION OF QUANTITY SURVEYORS (PAQS, www.paqs.net) and THE INTERNATIONAL FEDERATION OF SURVEYORS (FIG) was accepted by the General Assembly.



**The 36th FIG Working Week
Abuja, Nigeria, 6-10 May 2013**

FIG COMMISSION 10 - Construction Economics and Management

Plans for 2013:

You are kindly invited to follow all these events:

- ✓ Full participation at FIG Working Week and Congress: 2013 Abuja, Nigeria, 2014 Kuala Lumpur, Malaysia
- ✓ FIG strategic meetings, FIG Commissions Workshops
- ✓ Annual Meeting of FIG Commission 10 – Prague, Czech Republic, 2013, June
- ✓ Meetings of Sister Associations
- ✓ ICEC: The AIQS, AACE International & ACES was held on 7 March 2013 in Perth, Australia. The title of the conference was: Project Cost Management: Control at the Interface with BIM.
- ✓ 17th PAQS 2013 will be held on 18-21 May 2013 at Xi'an, China and is well advertised at <http://www.paqs2013.cn>
- ✓ AAQS Council Meeting, October/November 2013 in Lagos, Nigeria



**The 36th FIG Working Week
Abuja, Nigeria, 6-10 May 2013**

FIG COMMISSION 10 - Construction Economics and Management

Technical Sessions at 36th FIG WW in Abuja:

- ✓ Tuesday, 7th May, 16:30–18:00, Benue Hall, **YSN** Workshop/Discussion on Crowd Sourcing Information and Using Social Network, Chair: Ms Kate Fairlie, Rapporteur: Ms Eva-Maria Unger, Commissions 1, 2, 9 and **10**
- ✓ Thursday, 9th, May, 08:00 – 09:00, Obifema Hall – **FIG Commission 10 Annual Meeting (AM)**
- ✓ Thursday, 9th, May, 08:00 – 09:30, Ahmadu Bello Hall, **TS06C** - Construction Economics and Management, Chair: Mr. Ugo Chime (Nigeria), Rapporteur: Mr. Emmanuel Chiemelu (Nigeria)

😊 **You are kindly invited to follow our TSs & AM!!!** 😊



**The 36th FIG Working Week
Abuja, Nigeria, 6-10 May 2013**

FIG COMMISSION 10 - Construction Economics and Management

Conclusion

FIG Com10 is very young (1998), too specific & too common – goes through the all Commissions and Task Forces

- ✓ To broaden our activities of Com10, to be seen 😊
- ✓ To return British support for the Com10, to build the tradition
- ✓ To get the support from the FIG members, FIG Foundation, to sustain FIG Com10 for next many years
- ✓ **Chair Elect for 2013 and 2014 to be Chair of FIG Com10 for 2015–2019: now known (President Teo will reveal...)**



**The 36th FIG Working Week
Abuja, Nigeria, 6-10 May 2013**

FIG COMMISSION 10 - Construction Economics and Management

FIG Commission 10 Dinner

8th May, 2012, 20:00

Venue ... to announced

😊 **Bon Appetite!** 😊



**The 36th FIG Working Week
Abuja, Nigeria, 6-10 May 2013**

FIG COMMISSION 10 - Construction Economics and Management



FIG Working Week 2013

6-10 May, Abuja, Nigeria

"Environment for Sustainability"



😊 **Thank you for your attention!** 😊

**Ing. Robert ŠINKNER, MBA,
CUSC & GEFOS a.s.**

Planska 6, 370 07 Ceske Budejovice
CZECH REPUBLIC, EUROPE
tel. + 420 602 461 655, Fax + 420 386 108 556
email: robert.sinkner@gefos.cz



**The 36th FIG Working Week
Abuja, Nigeria, 6-10 May 2013**

Africa Task Force

Dr Diane Dumashie
Chair

General Assembly FIG Working Week,
Abuja, Nigeria
6th- 10th May 2013

 African Task Force www.fig.net/tf/africa

African Surveying Profession



ATF Mandate:

- **Purpose**
 - Social responsibility to contribute to the MDG's
 - Surveyors as Change Agents
- **Focus**
 - Build capacity, to best contribute to meet challenges of:
 - poverty alleviation,
 - economic growth and
 - environmental sustainability

 African Task Force www.fig.net/tf/africa

Overview



Update:

1. Workshops East,
South, And

2. West

3. Next steps

FIG African Task Force www.fig.net/tf/africa

1. What We've Done



Tools Agreed and documented:

- Mombasa: Participatory forward planning to prevent informal settlements
- Cape Town: Tools for Recruitment
- Elmina: Environmental Foresight: Agenda for Action.....

FIG African Task Force www.fig.net/tf/africa

2. Elmina



Special thanks to Ghana Institution of Surveyors, (GhIS)
President D Kyere

The Environmental Agenda



To lessen environmental degradation in relation to our work in all aspects of and natural resources?

Resources:

- Finite; To sustain & feed mankind

Climate:

- Impact; Drought and floods etc

People:

- Inequity; Land (grab) & water

What we did



- Our task was to explore the future...
- This means scanning the horizon...
- To see if the dynamics that have brought us where we are over the last 20 years will remain valid for the next 20 years

...Strategic Foresight

FIG African Task Force www.fig.net/tf/africa

Futures: A way of Thinking and Preparing

It is strategic foresight and thinking that:

- Explores what might happen in the future and identifying strategic actions today to prepare **prospective** futures
- Helps to detect what is **possible**, but importantly to recognise what is **desirable**
- Is not clouded by immediate problems and concerns, and often facilitates **innovative** new ideas/ novel solutions
- Uses **Scenario techniques** that are compelling pictures of alternative possible futures

FIG African Task Force www.fig.net/tf/africa

Our Focus

- What vision and actions could help land professionals
 - achieve their potential and
 - secure a strong message and role
- to lessen environmental degradation in relation to our work in all aspects of and natural resources?

 African Task Force www.fig.net/tf/africa

Environment Foresight 2030




Environmental Drivers

- **Global warming**; Climate Change
- **Natural Resource Security**; food, water,
- **Minerals** resources and mining
- **Rural/ urban** migration and city growth
- **Biodiversity**; landscape and nature protection
- **Infrastructure** routes, transport hubs and airports

Scenario Planning.....

10

 African Task Force www.fig.net/tf/africa

Scenario Planning

- Rapid Appraisal Scenario Planning
- Uses **Scenario techniques** that are compelling pictures of alternative possible futures



NATURAL RESOURCE SECURITY: FOOD & WATER



Environmental Foresight 2030: An Agenda for Action



PART 1: An AGENDA FOR ACTION

- Land professionals
- Member Associations

PART 2: STRATEGIC FORSIGHT

PART 3. RANGE OF ENVIRONMENTAL SCENARIOS

PART 4: WHAT THIS MEANS

- For our Profession



African Task Force www.fig.net/tf/africa

2013 Roundtable

- When: **Tuesday @ 14.30 (Niger Hall)**
- What: Reflect on Elmina Foresight 2013 Scenarios & Actin Agenda
- Why: To finalise Content & to circulate to African members associations (hard copy and download from web)
- Who others: Our continuing Societal collaboration & contribution



African Task Force www.fig.net/tf/africa

3. What We Have Done



- Workshop – 140 attendees over 3 workshops x 2 days
- Representation from West, East and Southern Africa (9 Nations)
- Documented: Briefing, PPT, Ideas, Tool drafting, Proceedings, Review & Design, Engagement, and
- Tools launched at Roundtable during WW

 African Task Force www.fig.net/tf/africa

Delivering for Sub Saharan Africa

It is all about, African Workshop themes:

- 2010: Peri- Urban Development, Kenya, Round table, WW Marrakech
- 2011: Resilience Women & Young Surveyors, Round table, Rome
- 2012: Environmental Agenda
Round table, WW Abuja
- 2013: Pulling together recommendations, Congress, Malaysia, & FIG Publication

 African Task Force www.fig.net/tf/africa

Looking Forward- 2013/14

The Millennium Development Goals Report
2011



.....*Common denominator:*

- Societal change, Community engagement and Need for
- The African land professional to bridge the gap between Grassroots and local government and policy makers
- ATF Mandate...the MDG's
- 2015, to evolve to the SDG's!



African Task Force www.fig.net/tf/africa

Imagine

**A profession that provides global thought leadership,
and
promotes professional leadership qualities amongst its members**



- 2013 Workshop focus: Societal collaboration & communication? £?
- 2014 Close & FIG Publication



African Task Force www.fig.net/tf/africa

Thank You to Your Continuing Input

Members Associations and Individuals:

- Core Hosts & teams - annual rotation
- Contribution - at workshop in Africa
- Contribution - as discussants at round tables during working weeks
- Continuing - Member Association email discussions

 African Task Force www.fig.net/tf/africa

Keeping in Touch



- WWW.fig.net/tf/africa
 - Email alerts
- Chair: Dr D Dumashie
- ddd@dumashie.co.uk

 African Task Force www.fig.net/tf/africa



International Federation of Surveyors
 Fédération Internationale des Géomètres
 International Vereinigung der Vermessungsingenieure

FIG Task Force on: Property and Housing



Chryssy Potsiou, Assist Prof, FIG Vice President
chryssyp@survey.ntua.gr
National Technical University of Athens, Greece

- Chair
 Chryssy Potsiou, *FIG Vice President*
- Members:
 Raymond Chan, *Hong Kong SAR, China*
 Steven Nystrom, *USA*
 Bozena Lipej, *Slovenia*
 Winrich Voss, *Germany*
 Junping Liao (Patrick), *China P.R.*
 Collins Kowuor, *Kenya*
- Contributors

TF established in Morocco 2011

- TS in Rome 2012
- TS Uruguay 2012
- Workshop in Athens 2012
- TS Nigeria 2013
- Workshop in Skopje Nov 2013

Methodology

- Internet research
- Existing literature
- Case studies
- Technical Sessions
- Workshops

Information collected so far:

- Germany
- Hong Kong SAR China
- Kenya
- Greece
- Italy
- Uruguay
- Nigeria

background

In many countries **Surveyors** are expected to identify **land tools and good governance practices** that will facilitate:

- privatization of land and property registration,
- secure access to land and property rights,
- secure mortgage rights and real estate markets,
- formalization of informal development, and upgrading of slums and/or inner city decay,
- sustainable housing and housing rights,
- zoning, planning and building code revisions,
- redevelopment and urban regeneration,
- environmental sustainability, energy efficiency and green housing,
- integration of minorities, dealing with immigration and free population movement

within an unpredictable economic and social environment



background

characterized by certain fundamental factors affecting the **housing sector**:

- recession, unemployment, difficulty of finding jobs,
- significant decrease in access to financing, tougher lending standards: no more liar loans, bigger down payments, closer look at incomes
- tougher appraisal standards,
- growing affordability problems even for those who do have a job due to wage and benefit cuts,
- rising taxes,
- overleveraged consumers,
- a change in consumer attitudes regarding housing as an investment,
- a new frugality in consumer attitudes towards debt in general,
- corruption and confusion in land and housing regulatory framework

Objectives

The FIG Task Force investigates challenges and major threats and tries to identify a **new role for the land surveyor.**

It develops awareness, vision and key strategies as well as investigates tools and techniques around:

- institutional development, legislation,
- improvement of coordination of various stakeholders; adoption of effective policies,
- land tool development for affordable housing,
- Examples of good practice



Objectives

- **Perspectives on the real estate economy**
- **Sustainable real estate markets**
- **Sustainable housing and housing rights**
- **Planning for affordable housing**



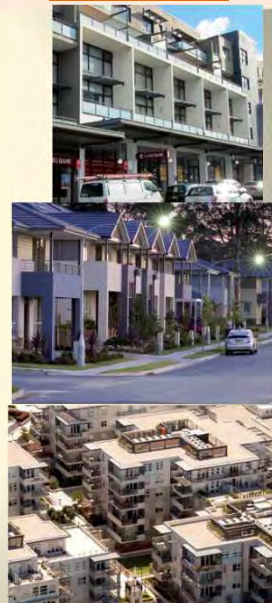
Affordable Housing refers to housing for **very low-income**, **low income**, **moderate-income** households. (30% standard: own or rent a housing for an amount up to 30% of the household income), size of family? It means different things to different people and it has different implications in different places

Affordable housing: encompasses a wide spectrum of housing types, prices and occupants

- Rental housing
- For-sale housing
- Government-subsidized housing
- Public housing ?

Public Policies usually speak of affordability as:

- Low-income rental housing : Subsidies either for production or for occupants (object grant/subject grant) or both to make it affordable to low- (50-80%) and very-low-income (50% of median income) households
- Affordable ownership housing: market-rate unsubsidized housing for moderate-income (80-95%) households, first-time buyers, and subsidized ownership housing for low- and moderate-income buyers



Funding mechanisms

Financial aid can be granted as:

- extra payment (without refunding) or
- it can be granted as credits, e. g. loans with low interest or loans with public securities.



Supply of dwellings:

- **New apartments**
- **the modernization of housing stock**
- **offering state-owned land for affordable housing to reduced prices; the investors are obliged to reflect the reduced land price in reduced rents for target group households**



Report

Joint FIG Task Force on Property & Housing & FIG Com3 /UN ECE WPLA Workshop on Informal development, property & housing 10-14 Dec 2012, Athens

107 participants from 28 countries & WB, UNECE
73 papers in total (67 presented), 16 sessions
48 papers on Property and Housing:

16 on informal development

15 on housing & property markets

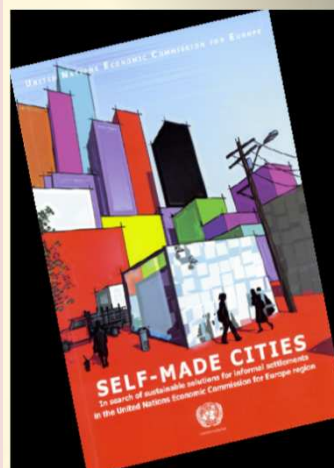
(17 about Greece)



Joint FIG / UNECE WPLA publication

Purpose: update the 2009 research on
"Self-made cities" (UNECE
publication)

- progress of legalization and integration of ID in UNECE;
 - procedures and policies; examples of good practice;
 - pro-poor the solutions; remaining obstacles;
 - new weaknesses;
 - tools in order to eliminate the phenomenon in future:
- protection of environmentally sensitive areas
adoption of pro-growth planning
planning for affordable housing and social inclusion



Joint FIG / UNECE WPLA publication

Structure

1. General aspects on current informal development, causes, types, statistics, impacts, past experience, current legalization projects
2. Case studies in selected countries (Albania, Cyprus, Greece, FYRoMacedonia, Montenegro, Georgia, Azerbaijan, Kyrgyzstan) : **in-depth research** ,
3. Discussion-lessons learnt
4. **Tools & Policies** to avoid the phenomenon
5. conclusions, proposals

Time schedule:

- First draft by August 2013
- first draft version by autumn-September 2013, to be presented at the Ministerial Meeting and submitted to the UN ECE CHLM for approval
- editing by the end of 2013
published beginning of 2014 **Sponsors needed for publishing**
- the publication will be in English, its size will be < 200 pages

Thank you!



**THE BOUNDARY
STONES OF
TUTANKHAMUN'S
FATHER:
AKHENATEN'S
CITY OF THE SUN !**



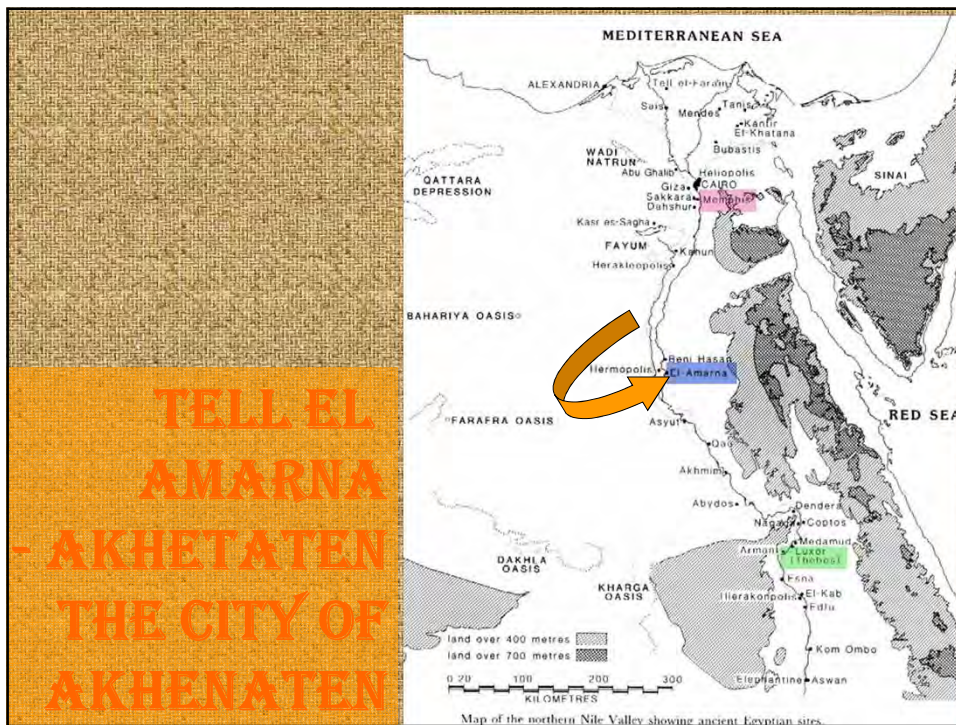
AMENHOTEP II



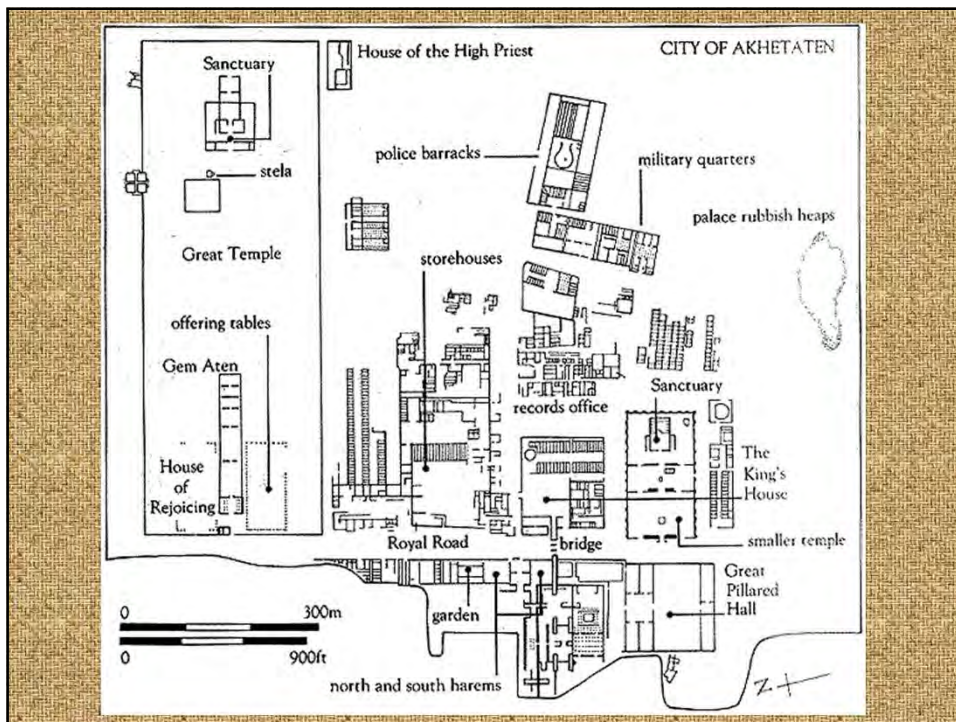
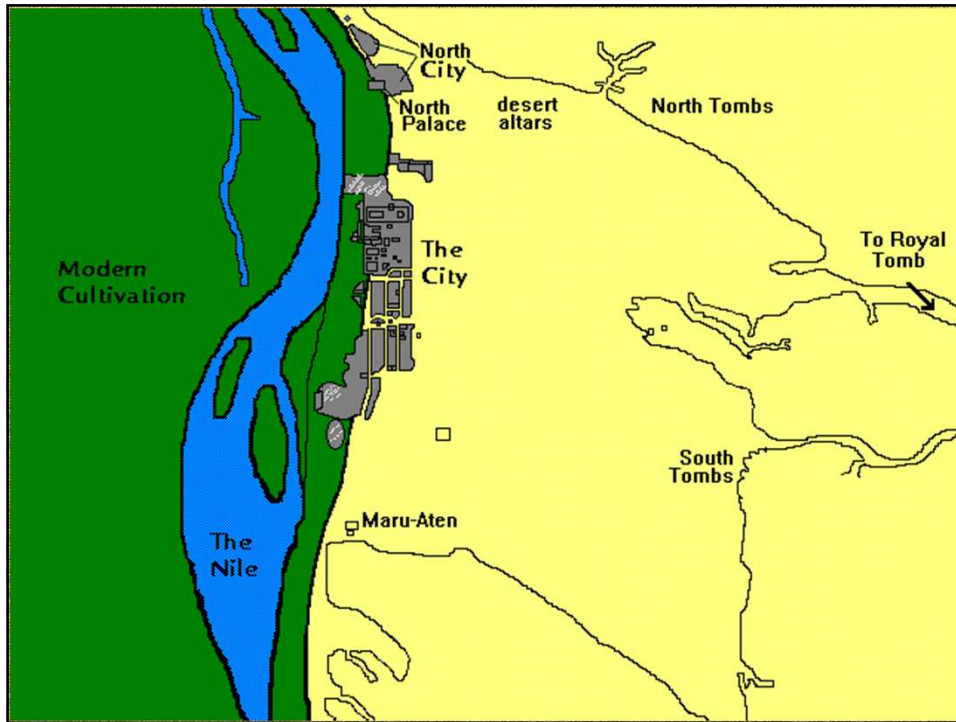
THUTMOSE IV

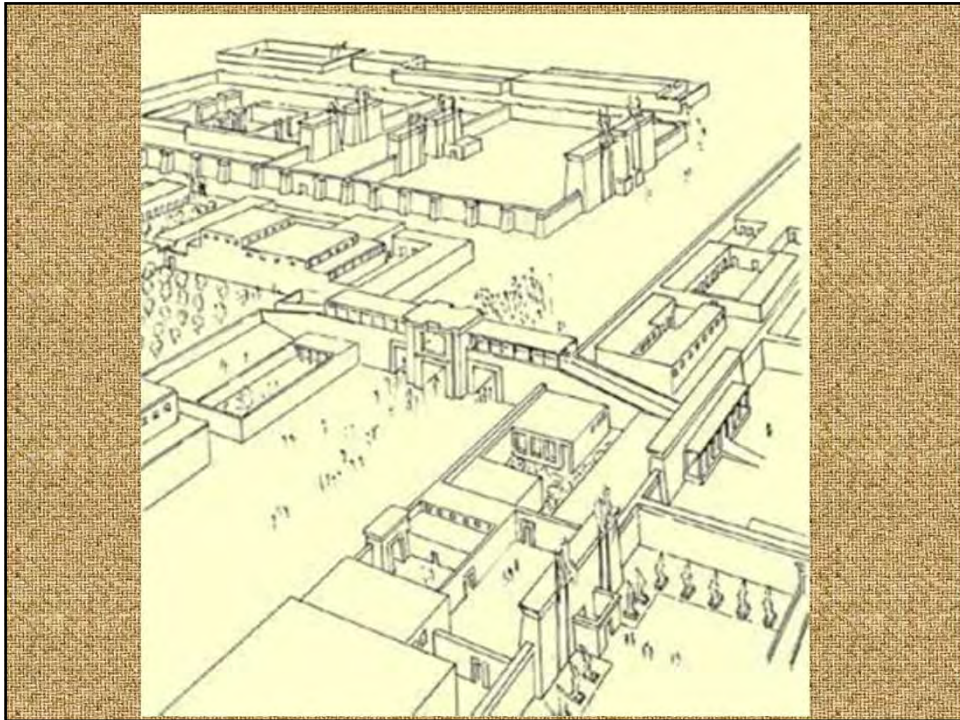


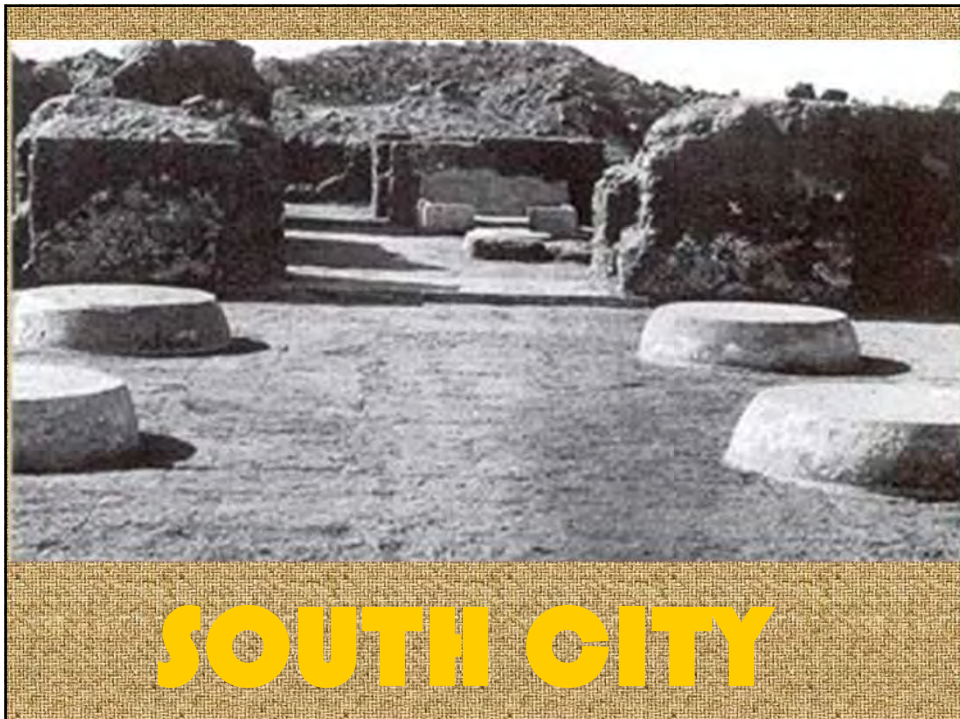
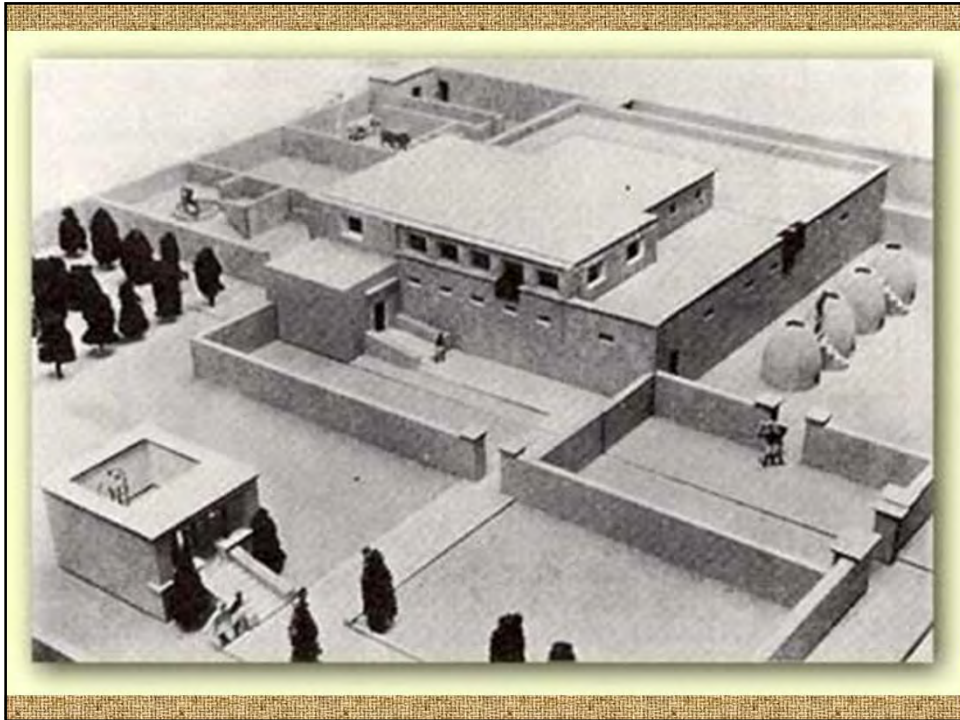
AMENHOTEP III











SOUTH CITY



A RULER OF GILDED WOOD BEARING THE NAME OF PHARAOH AMENHOTEP III ON IT PLUS A FOLDING WOODEN FIELD MEASURING ROD WITH LEATHER CARRYING POUCH



BASALT STATUE OF THE SCRIBE PENUNHURET HOLDING THE ROYAL SURVEYING CORD IN ITS CACHE OF THE RAMS HEAD OF THE SUN GOD AMUN

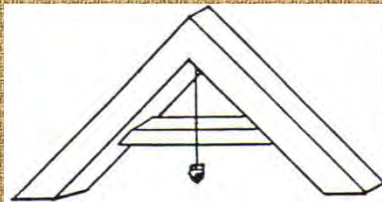


Figure 2. EGYPTIAN PLUMB-BOB LEVEL

P. & A. of surveying instrument (3) [Ludl, pl 6, 265, abb. 111](#)

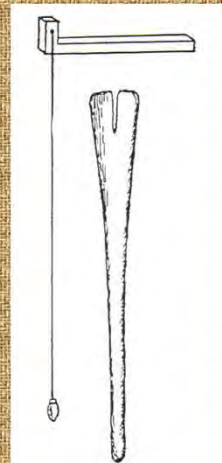
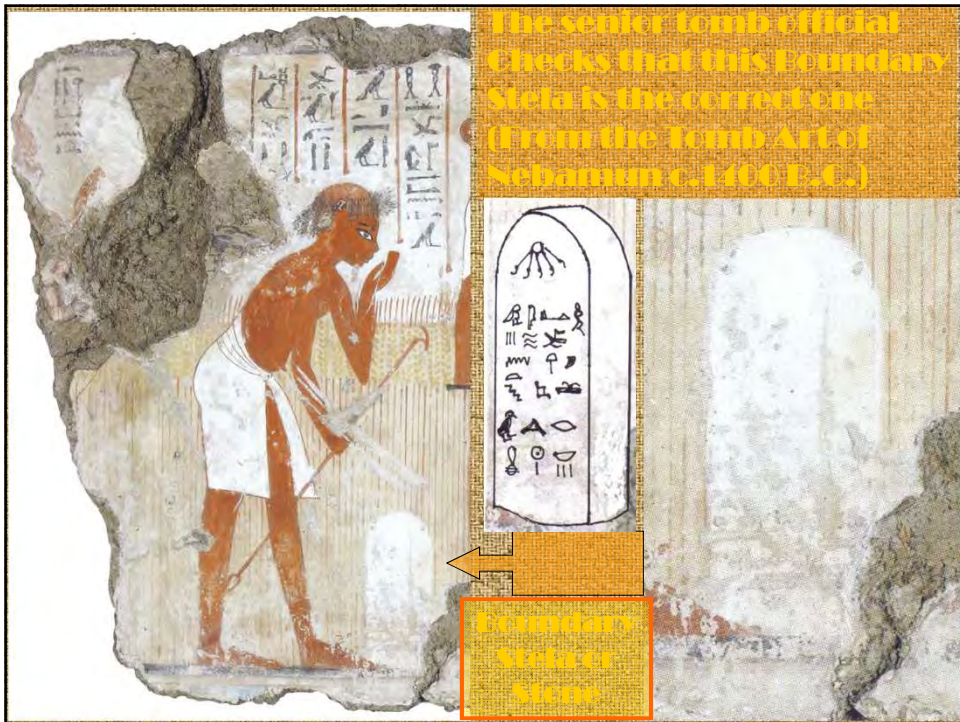
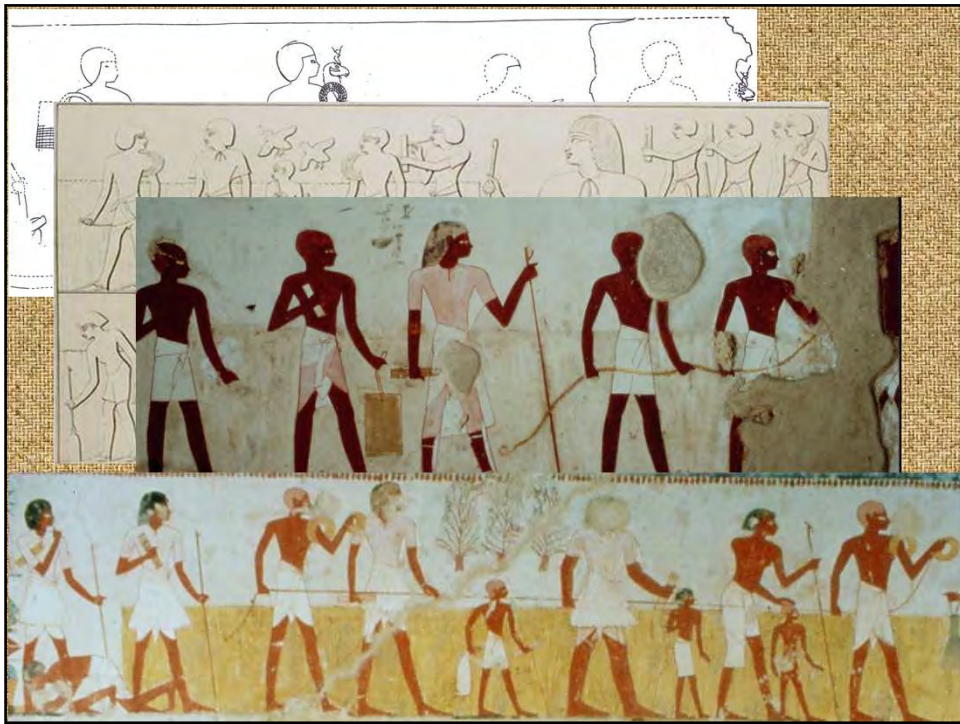
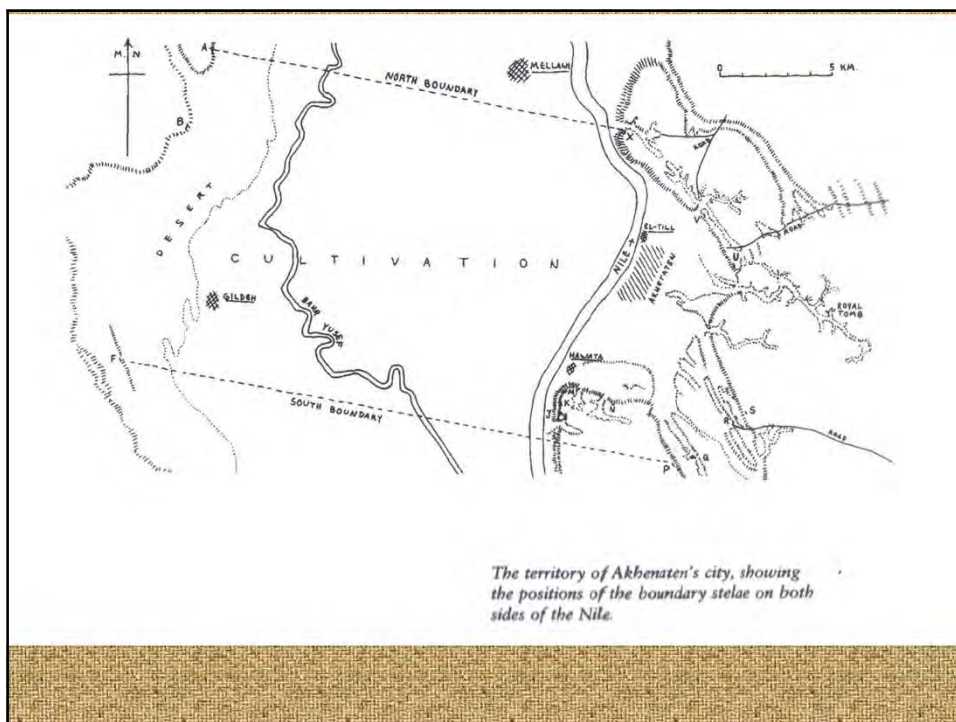
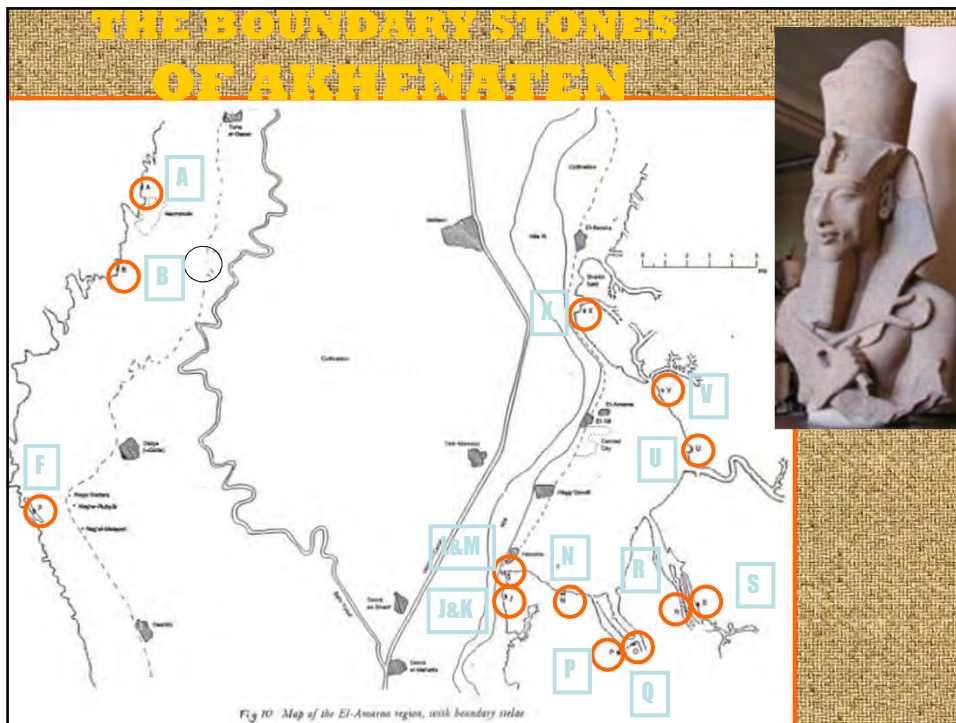
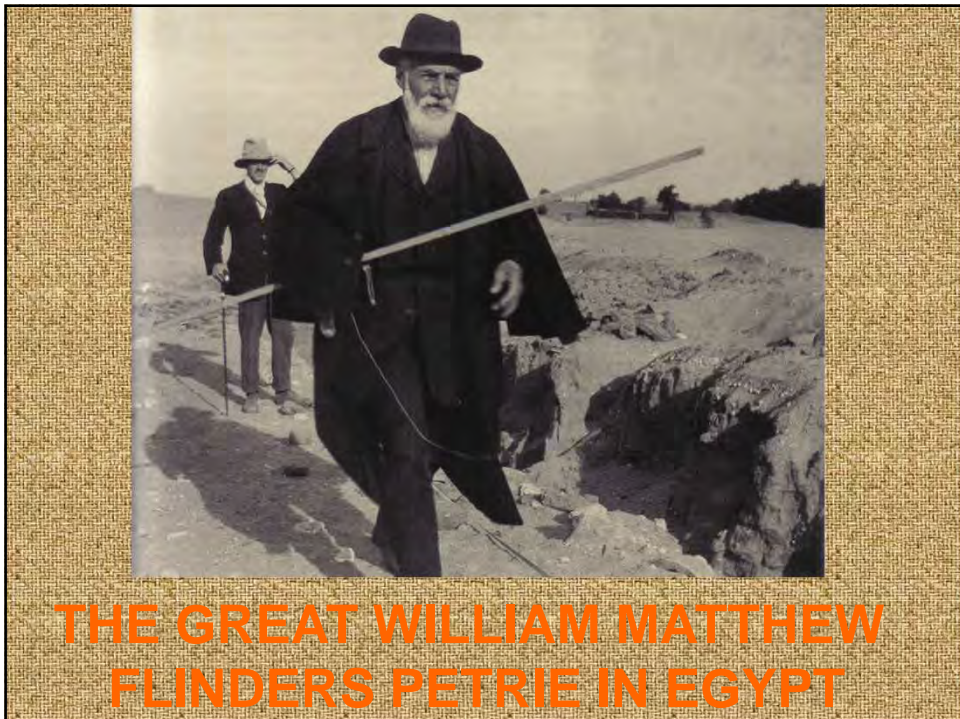
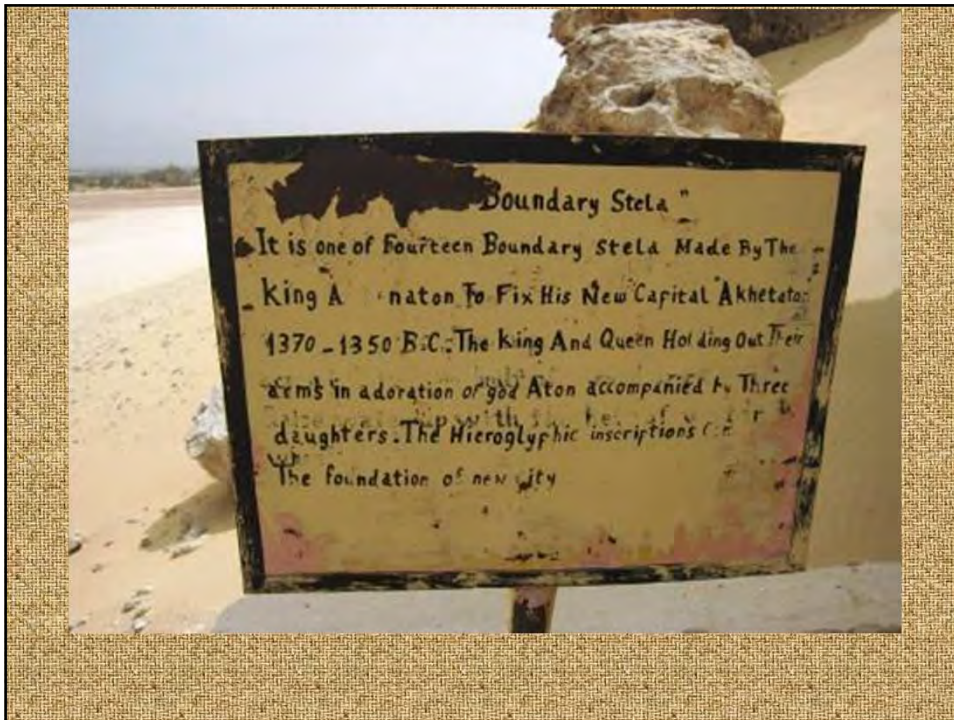


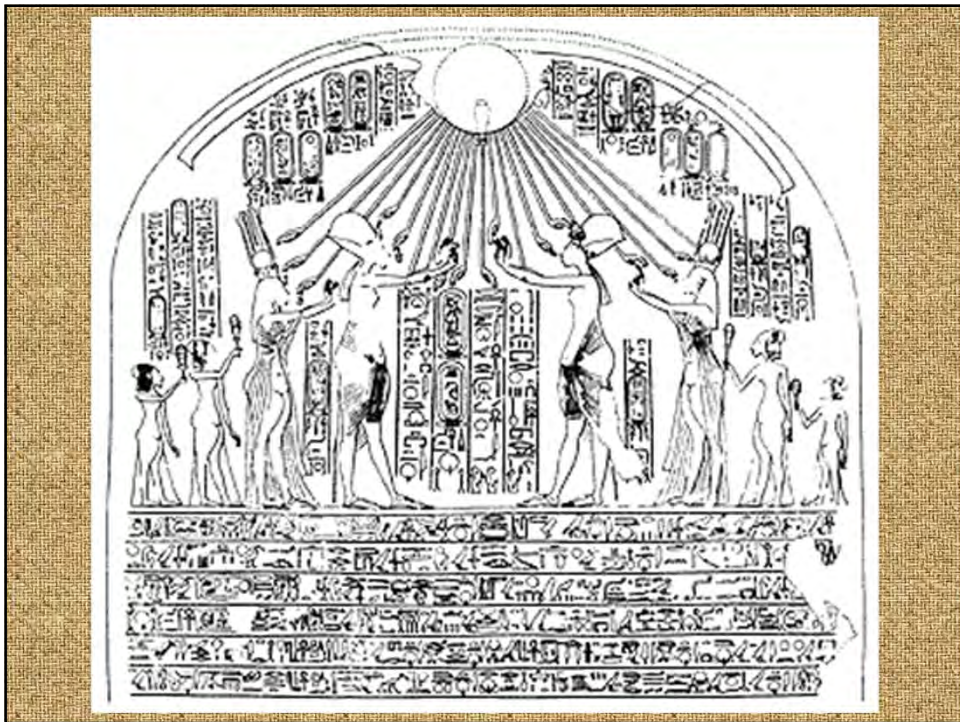
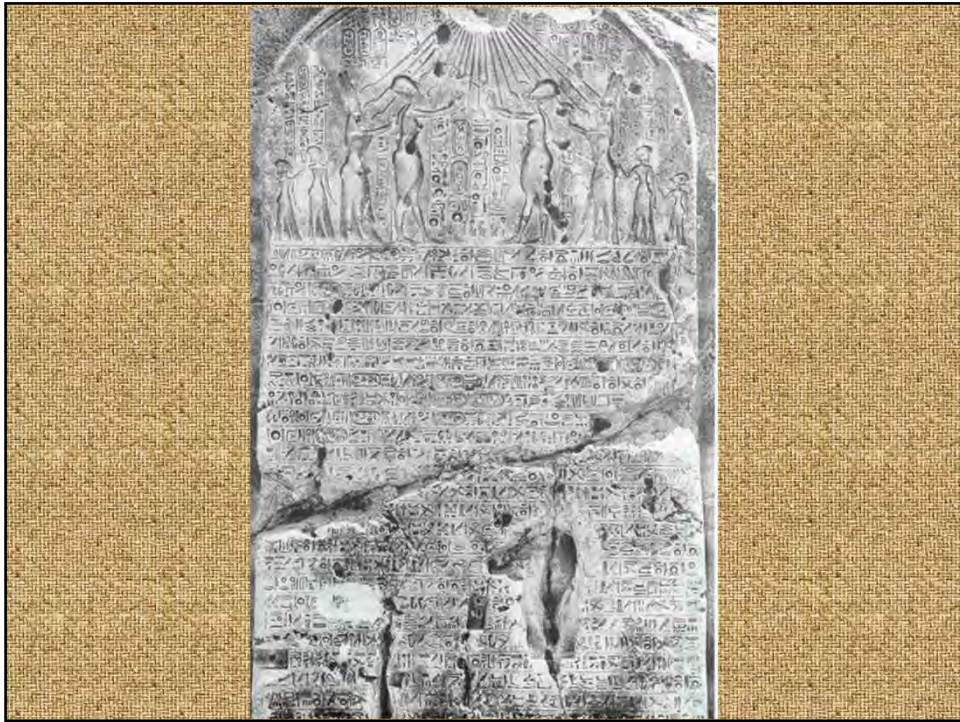
Figure 3. EGYPTIAN SIGHTING INSTRUMENT, THE MERCHET. After Borchardt.







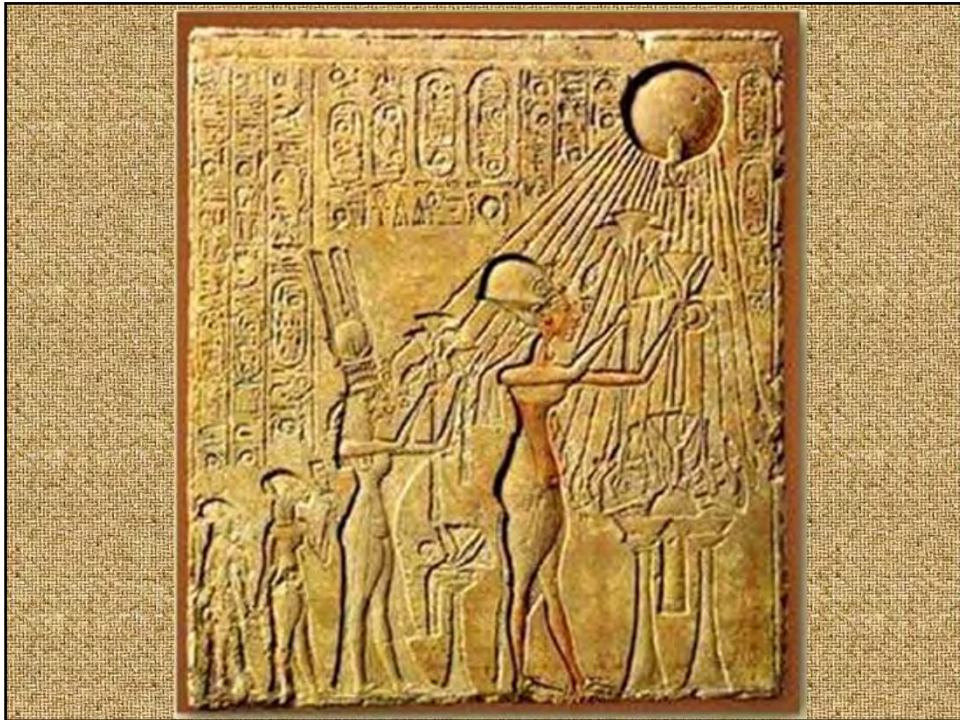






**TYPICAL AMARNA STYLE
CARVINGS WITH THE
KING & HIS FAMILY ARMS
OUTSTRETCHED TO THE
RAYS FROM THE SUN DISK**



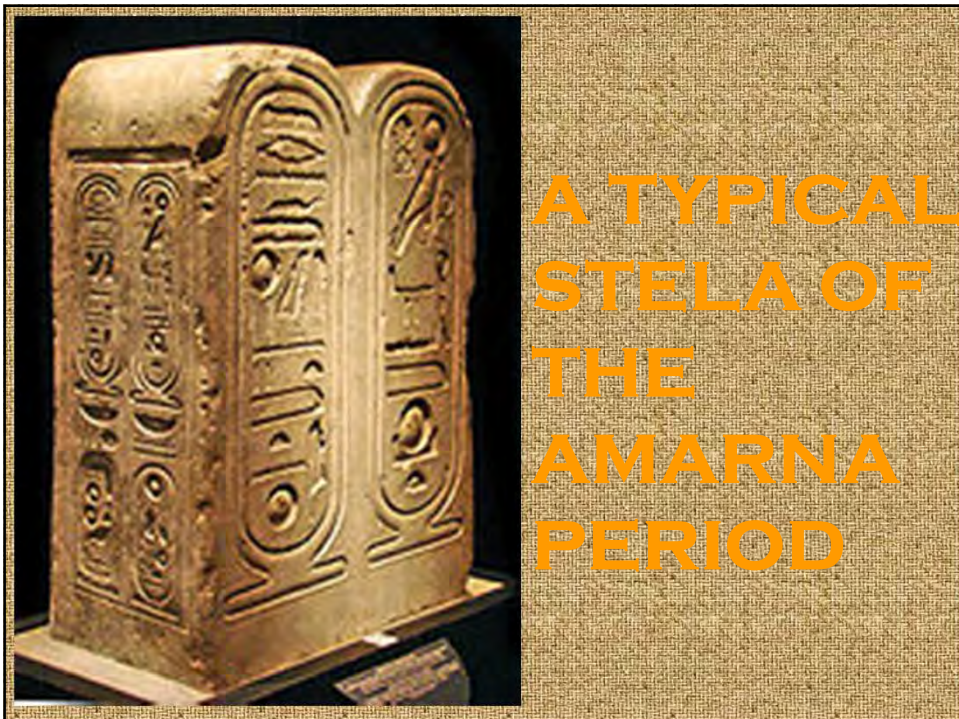


STELA A

Northern boundary stele











International Federation of Surveyors
Fédération Internationale des Géomètres
International Vereinigung der Vermessungsingenieure

Finance Report

Rudolf Staiger, Vice President
(on behalf of Bruno Razza)

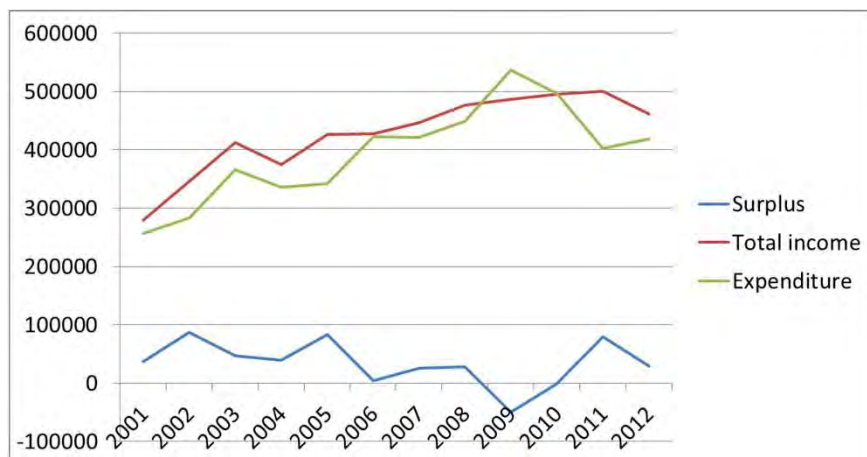
FIG General Assembly
6 May 2013, Abuja Nigeria

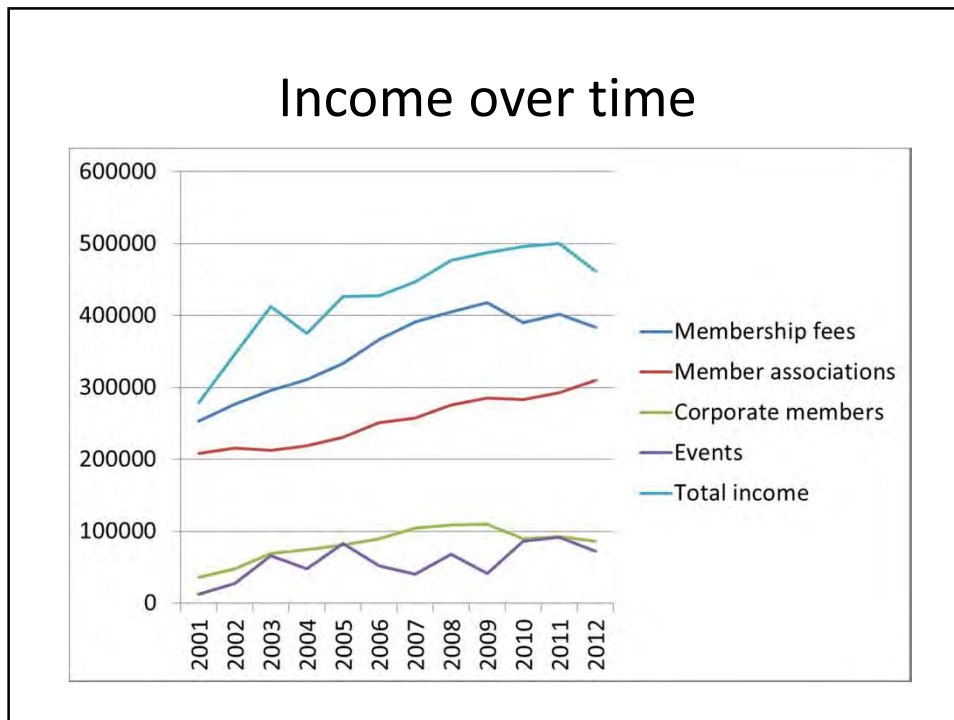
This presentation

- Overall financial situation in 2012
 - Adopt audited accounts (14 A)
- Member Association subscriptions 2015 (15)
- Budgets for 2013-16 (14 C)

Overall situation and trends

FIG financial overview 2001-2012





Financial performance 2012 (1)

- Subs income lower than budget:
 - Increased fee from MA and AF members
 - Decrease in corporate members
 - increased write offs (expulsions/ resignations)
 - New: accounting provision for doubtful debt from subscriptions
- Lower income from conferences (regional conference changed concept)
- Less developmental activities

Financial performance 2012 (2)

- Admin costs lower than budget –in line with 2011 costs
- Council costs also tightly controlled, travels carefully controlled – higher activity than 2011 but lower salaries
- Result on regular activity exactly as budgeted
- [Annex B to GA finance paper - summary 2011 and 2012 results.xls](#)

2012 Accounts

Annex A - [FIG 2012.pdf](#)

2012 accounts

- Annex 14A
- Auditors' opinion – true and fair view
- Surplus for the year on ordinary activity of €29,921
- Subscription arrears at year end of € 153.710 (2011 - €98,185) – much too high – although many reminders - members can help
- **Motion: that the GA adopts the audited accounts for 2012**

Subscriptions – item 15

Subscriptions

- Maximum level from 2010 – 5,500 members
- Minimum level from 2010 – the greater of 20 members and €50
- 2015 – no change proposed

Proposed 2015 subscriptions

<u>Year</u>	<u>Per capita fee</u>	<u>Minimum fee</u>	<u>Maximum fee</u>
2014	4.48 € per member up to a maximum of 5,500 members. Member associations from countries listed by the World Bank as low-income economies or lower-middle-income economies shall pay 2.15 € per member up to a maximum of 5,500 members.	20 members or 50 € (whichever is greater)	5,500 members (24,640 €)
2015	4.48 € per member up to a maximum of 5,500 members Member associations from countries listed by the World Bank as low-income economies or lower-middle-income economies shall pay 2.24 € member up to a maximum of 5,500 members.	20 members or 50 € (whichever is greater)	5,500 members (24,640 €)

**Motion: that the GA approves the
member association subscription
rates for 2015**

FIG budget 2013-16

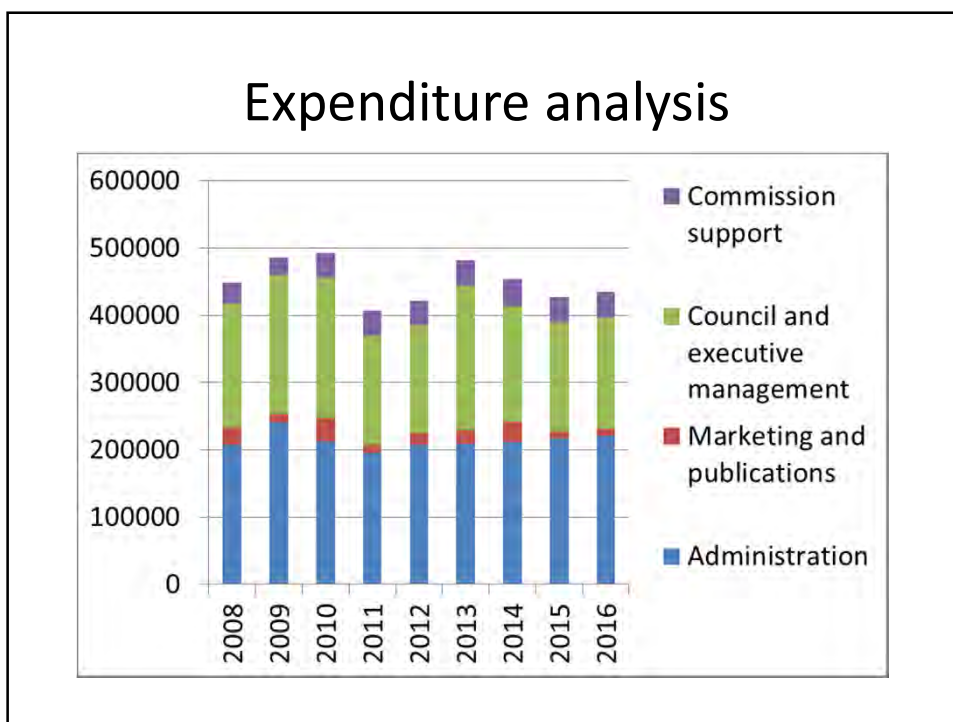
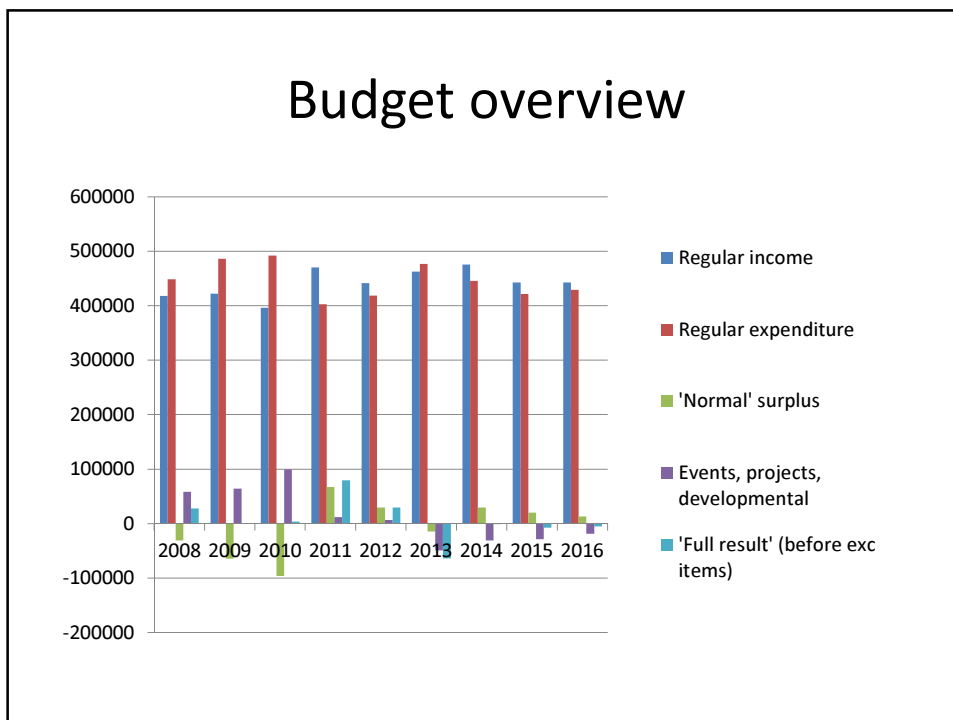
[Annex C to GA finance paper -
summary 2013-16 budgets.xls](#)

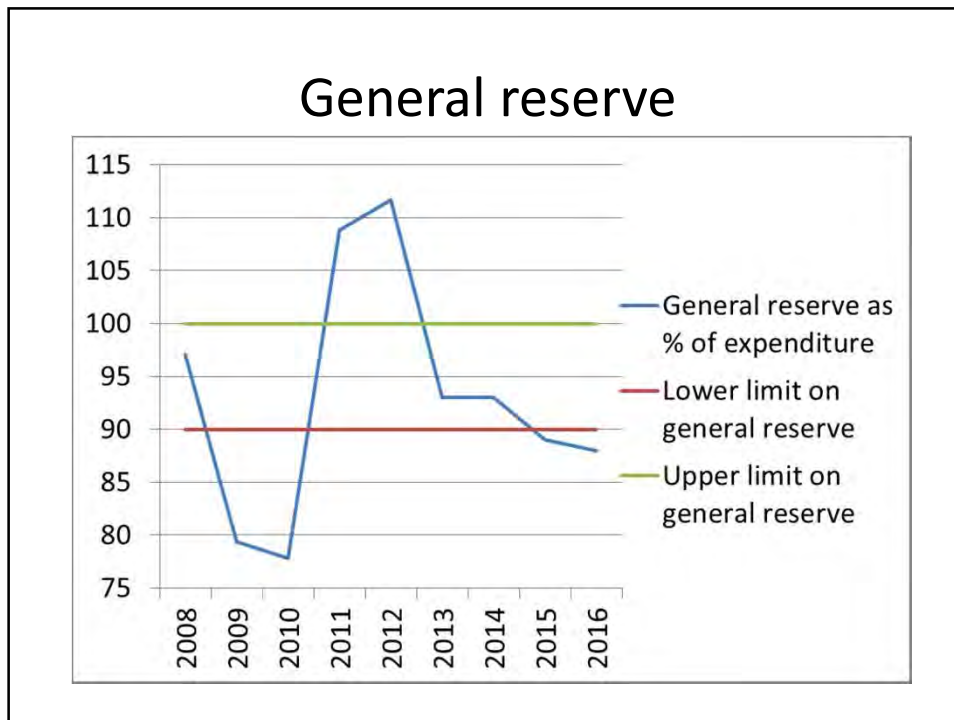
Key measures

- Regular income exceeds regular expenditure each year
- An overall surplus is returned over the 4-year period
- General reserve is 90-100% of regular annual expenditure [using 4-year averaging of expenditure]

Key issues 2013-16

- Membership assumed declining (mainly MA and Corporate membership)
- Activities remaining stable
- Office staffing changed – impact on 2013 budget
- Developmental expenditure increased – web/IT development planned for 2013 and 2014
- All income from events moved to regular income – change in income to fixed fee
- Collection of subscription arrears/ write offs





Key points

- Prudent budgeting and very tight financial controls in 2012
- Returned a surplus despite global financial situation
- Held the reserves above the agreed range
- The forward budget
 - Is realistic
 - Maintains reserves back into the approved range
 - 2013 – a challenging year
 - Still enabling developmental expenditure
 - Financial situation in the world impacts the subscriptions

**Motion: that the GA endorses
the FIG budget for 2013-2016**

Opportunities from Disaster - Surveying the Challenges

16-24 April 2016

NEW ZEALAND INSTITUTE
OF SURVEYORS
Te Rōpu Kairiri o Aotearoa



FIG WW

2016
CHRISTCHURCH
NEW ZEALAND

The Not So Good News

- * The Central Business District of Christchurch was virtually destroyed by the 2010/11 earthquakes;
- * A proposed new convention centre in central Christchurch is planned;
- * The new convention centre will not be opened until **May 2017** (according to present predictions).

NEW ZEALAND INSTITUTE
OF SURVEYORS
Te Rōpu Kairiri o Aotearoa



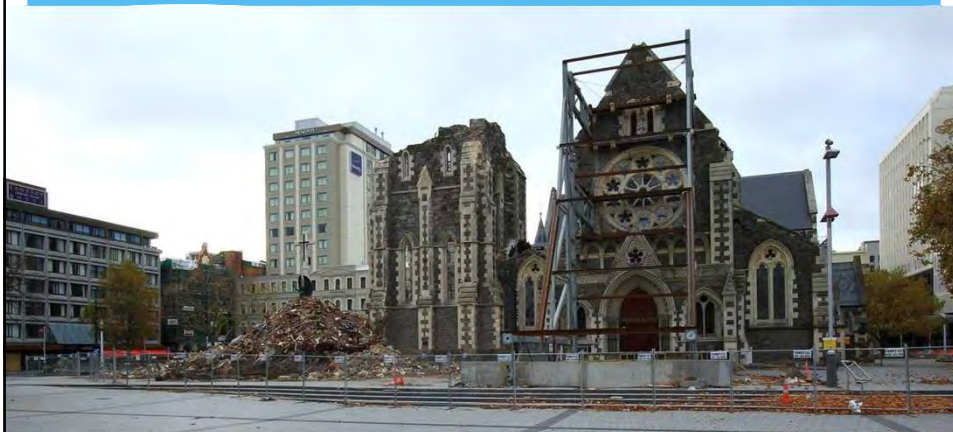
The Good News

- * The “red zone” in Christchurch was reduced from over 300 ha to 35 ha earlier this year;
- * Re-building central Christchurch is underway;
- * There are other options within Christchurch that can accommodate the FIG WW 2016;
- * The Organising Committee is determined to run the WW in Christchurch to exemplify the surveyor’s role in disaster recovery.

NEW ZEALAND INSTITUTE
OF SURVEYORS
Te Rōpū Kaitiaki o Aotearoa



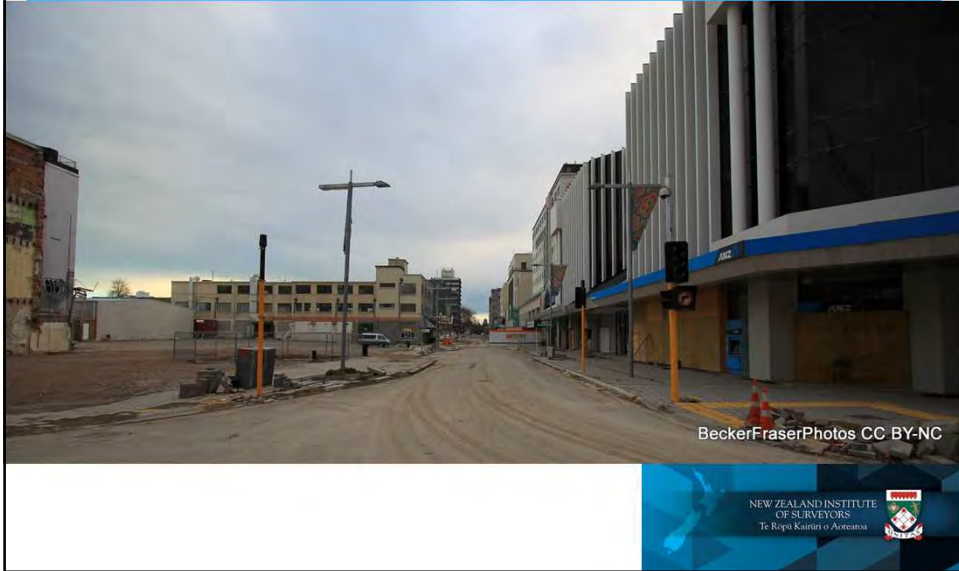
Christchurch’s iconic cathedral



NEW ZEALAND INSTITUTE
OF SURVEYORS
Te Rōpū Kaitiaki o Aotearoa



The city centre



The skyline



A residential area



The CBS conference facility



The CBS conference facility



NEW ZEALAND INSTITUTE
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Te Rōpū Kaitiaki o Aotearoa



The CBS conference facility



<http://www.youtube.com/watch?v=7IT6JE-uVOM>

NEW ZEALAND INSTITUTE
OF SURVEYORS
Te Rōpū Kaitiaki o Aotearoa







CHAMBER OF GRADUATED SURVEYORS

FIG WORKING WEEK Sofia 2015

Bulgaria

Preferred event dates:
8 - 15 May 2015 or
17 - 24 April 2015



CHAMBER OF GRADUATED SURVEYORS



Map of Europe showing national flags and sea names. Bulgaria is highlighted in blue with a blue arrow pointing to it.





Bulgaria is situated in Southeastern Europe, on the Balkan Peninsula. Due to its cross-road location it has witnessed many ancient civilizations and remembers a lot of great people that marked its turbulent history.



The famous Bulgarian hospitality combined with the professional attitude of all people engaged in the sphere of services made Bulgaria a preferred destination for many international congresses and events.





STRONG GOVERNMENTAL SUPPORT

Under the Patronage of the President of the Republic of Bulgaria

Supported by the Government

Supported by the Mayor of the Capital

Institutions
NGOs



HOW TO GET HERE?



Sofia Airport
Sofia

Plovdiv Airport

Varna Airport

Bourgas Airport



TRAVEL TO SOFIA, BULGARIA



Every day direct flights from and to many European airports are being held...



BULGARIA AIR
Described by AIRLINEROUTE MAPS.COM

... such as

London	Rome
Paris	Milan
Munich	Athens
Frankfurt	Bucharest
Brussels	Istanbul
Madrid	Amsterdam
Moscow	Copenhagen
Warsaw	Stockholm
Prague	Berlin
Budapest	Barcelona
Vienna	Lisbon
Zurich	Brussels etc.



BULGARIA IN DETAILS



Climate

The climate in Bulgaria is determined by four clear seasons. In the northern part of the country in moderate continental, while in Southern Bulgaria it is intermediate continental tending to Mediterranean. The climate of the seaside regions is milder in the winter and cooler in the summer than in the interior of the country. The average temperature in Bulgaria in October is 15-20 °C.

Visa

On 1st January 2007 Bulgaria adhered to the European Union. EU Nationals do not need a short- or long-term visa. They may enter and stay in Bulgaria with a valid passport or national identity card without any formality.
For further visa information and entry requirements you can also visit the Bulgarian Ministry of Foreign Affairs web site at:
<http://www.mfa.government.bg>

Transport

Sofia has a very well developed public transport infrastructure which helps easily to go to the desired direction from the city airport. For maximum comfort of the participants in the conference there will be organized transportation from the airport to the hotel of accommodation and back with modern vehicles and professional drivers, who will provide assistance if needed.



VENUE



CHAMBER OF GRADUATED SURVEYORS

- ✓ The World's Best Congress Center for 2005
- ✓ 25 years ICCA/AIPC Member
- ✓ 13 Halls
- ✓ 55 Meeting Rooms
- ✓ Exposition Area exceeding 17 000 m²



National Palace of Culture



VENUE



CHAMBER OF GRADUATED SURVEYORS

- ✓ The National Palace of Culture – Congress Centre Sofia is the largest multifunctional complex in South-Eastern Europe.
- ✓ The Centre combines professional services and modern technology with an exclusive atmosphere and provides excellent conditions for holding a variety of events – congresses, symposia, seminars, presentations, product launches, exhibitions, business meetings and functions.
- ✓ Located in the city centre, the Congress Centre is surrounded by a number of 4 & 5 star hotels just minutes away. Only 15 minute drive from Sofia International Airport, the Congress Centre is easily accessible via public transport.



National Palace of Culture





*It will be an honor
for us to welcome
you in Bulgaria!*





Joint UN-Habitat GLTN/FIG Surveyor Generals Roundtable/ Director Generals Forum

Abuja, Nigeria
May 10th 2013



Goals

- Learning an interaction on emerging trends
- Approaches and tools to safeguard, secure, support and sustain land rights for all
- About 30 participants
- 4 discussion sessions



1. Africa and Land Policy Initiative: Way forward for National Agencies

- Policy is a missing link in land reform
- Participation/inclusiveness is CSF
- Institutional issues
- Weak capacity to manage change
- Tendency not to involve surveyors
- Surveyors involvement: development & implementation, document customary, innovations in data acquisition



2. Costing and Financing Land Administration Services

- Cost effective, efficient, sustainable and affordable approaches
- Definitions of services, costs, revenues not so easy
- Costs and extra costs
- Delivery of pro poor services – self financed is possible
- Land Administration has low priority
- Resources smaller and smaller



3. LADM/STDM: Implementation and Approaches

- ISO Standard
- Implementation of Continuum of land rights
- Implementations in EU, Country profiles
- Software development
- STDM: pro poor approaches
- Available as software
- Pilot in Uganda



4. GLTNs suite of pro poor and gender appropriate Land tools Transparency in LA Tool kit

- Training tool kit and a trainers guide
- Target of the training process: change agents in government
- Requires changing people's mind set
- Establish entirely new ways of working, at a number of levels
- DGs have a key leadership role to play



- FIG is happy to offer such highly ranked senior officials a platform
- Successful and intensive meeting
- Next meeting in Kuala Lumpur



Thank you!





FIG - Organization

- Remains strong
- Ongoing impacts due to worldwide economy

Sponsorship



Attendance



Membership

(Thanks to Abuja!)

YSN – Young Surveyors Network



Great attendance



Hungry for information and knowledge



Interested in new technologies

Challenged with access to new tools



Conference Content

Very good program, good variety



Several no-shows



Attendees liked the technology



Very good exhibits



Conference Mechanics

Africa is improving



Local staff exceptional



Internet spotty



Good security

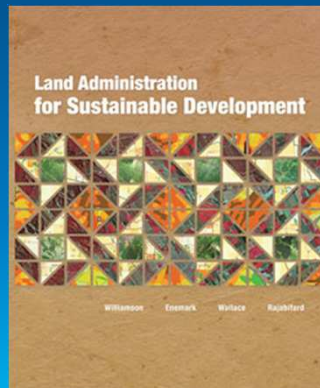


Land Administration for Sustainable Development

Free eBook Download

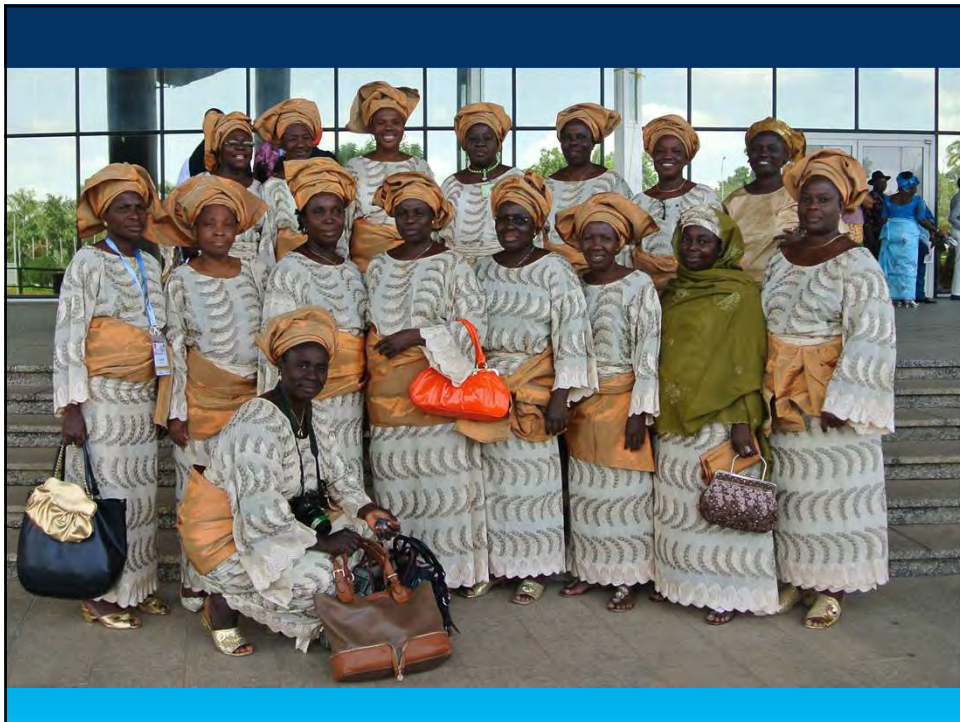
French and Spanish coming

www.esri.com/landing-pages/industries/land-administration/e-book



The Surveyor's Bosses.....







Safe Travels!

See You in Malaysia!



**KUALA LUMPUR
2014**

XXV FIG Congress

"Engaging the Challenges, Enhancing the Relevance"
16 - 21 JUNE 2014, MALAYSIA





FIG **KUALA LUMPUR 2014** **XXV FIG Congress**
Kuala Lumpur has modern, convenient & affordable transport infrastructure: "Engaging the Challenges, Enhancing the Balance"
 16-21 JUNE 2014, MALAYSIA

- Mainstream and low cost airlines



- Modern and Award Winning international airport



World's Best Airport 2008
 (15-20m passengers)
 Airports Council International

klia 2

FIG **KUALA LUMPUR 2014** **XXV FIG Congress**
Kuala Lumpur has modern, convenient & affordable transport infrastructure: "Engaging the Challenges, Enhancing the Balance"
 16-21 JUNE 2014, MALAYSIA

- 28mins from airport to KL Sentral by KLIA Express Rail Link



- taxis and trains



XXV FIG Congress
KUALA LUMPUR 2014 - Centre, Transportations, Enhancing the Relevance"
 16-21 JUNE 2014, MALAYSIA

The image features a central graphic with the FIG logo and a stylized skyline of Kuala Lumpur. Below this, a detailed map of the Rapid KL rail network is shown, including lines for Sentul, Ampang, Kelana Jaya, Port Klang, and Petaling. Surrounding the map are several photographs: a modern high-speed train, a train at a station platform, a light rail train, and a train with a colorful livery. The text 'rapidKL' is prominently displayed at the bottom center of the graphic.



XXV FIG Congress
Around Kuala Lumpur 2014, MALAYSIA - Challenges, Enhancing the Relevance"

This graphic includes the FIG logo and a skyline. It is composed of several photographs of key locations in Kuala Lumpur: Dataran Merdeka, the Kuala Lumpur Tower, Central Market (Pasar Seni), the Parliament of Malaysia, the KL Pavilion Shopping Haven, and the New National Palace (Istana Negara). The text 'Around Kuala Lumpur' is written in a stylized font across the top left, and 'Challenges, Enhancing the Relevance' is on the top right.





FIG **KUALA LUMPUR 2014** **CONFERENCE HOTELS** **XXV FIG Congress**
 "Engaging the Challenges, Enhancing the Relevance"
 16 - 21 JUNE 2014, MALAYSIA

Grand Hyatt Kuala Lumpur
 (kualalumpur.grand@hyatt.com)

Traders Hotel Kuala Lumpur
 (thkl@shangrila)

GRAND HYATT KUALA LUMPUR

TRADERS HOTEL
 By Shangri-La

FIG **KUALA LUMPUR 2014** **GALA DINNER** **XXV FIG Congress**
 "Engaging the Challenges, Enhancing the Relevance"
 16 - 21 JUNE 2014, MALAYSIA

Hotel Novotel Kuala Lumpur City Centre
 (novotelklcitycentre.com)

Mandarin Oriental Kuala Lumpur
 (mandarinoriental.com)

NOVOTEL HOTELS

MANDARIN ORIENTAL KUALA LUMPUR

XXV FIG Congress
 "Engaging the Challenges, Enhancing the Relevance"

Location of hotels and properties around the KL Convention Centre

HOTELS, MEDICAL CENTRES, HOSPITALS AND ATTRACTIONS AROUND KUALA LUMPUR

HOTELS

- Concierge Hotels**
 - Impiana KLCC Hotel Kuala Lumpur
 - Mandarin Oriental Kuala Lumpur
 - Traders Hotel Kuala Lumpur
 - Royal Regent Kuala Lumpur
- Medical Concierge Hotels**
 - Amari Kuala Lumpur
 - Conrad Hotel Kuala Lumpur
 - Hotel Maya Kuala Lumpur
 - Revelon by the Malacca Kuala Lumpur
 - PKS Surby Park Executive Suites
- Medical Concierge Hotels**
 - Conrad Hotel Kuala Lumpur
 - Traders Hotel Kuala Lumpur
 - Hotel Istana Kuala Lumpur
 - Brickfields Hotel Kuala Lumpur
 - Priya Hotel & Residence Kuala Lumpur
 - Shangri-La Hotel Kuala Lumpur
 - The Royale Chulan Kuala Lumpur
- Medical Concierge Hotels**
 - Swire Hotels by Hilton
 - Royal Meridien Kuala Lumpur
 - JW Marriott Hotel Kuala Lumpur
 - Walia Kuala Lumpur
 - Raffles International Hotel Kuala Lumpur
 - Revelon Kuala Lumpur Hotel
 - The City Club Hotel
 - The Wynn Kuala Lumpur
 - The JW Marriott Residence on the Park
- Medical Concierge Hotels**
 - Burj Al Arab Jumeirah Kuala Lumpur
 - Pullman Kuala Lumpur
 - Quality Hotel City Centre
 - Shangri-La Hotel Kuala Lumpur Hotel
 - The Concorde Hotel Kuala Lumpur
 - The Federal Kuala Lumpur
 - The Istana Kuala Lumpur
 - The Royale Bintang Kuala Lumpur
- Medical Concierge Hotels**
 - Hilton Kuala Lumpur
 - Le Meridien Kuala Lumpur
 - Heritage Suites Hotel (Old Railway Station)
- UPCOMING HOTELS**
 - Asian Capital Hotel (Year 2012)
 - First Seasons Hotel (Year 2012)

LEGEND

- Hotel
- Medical Centre
- Hospital
- Attraction
- Public Transport
- KL Convention Centre
- KLCC
- KLCC Convention Centre
- KLCC Exhibition Centre
- KLCC Auditorium
- KLCC Theatre
- KLCC Library
- KLCC Museum
- KLCC Gallery
- KLCC Park
- KLCC Plaza
- KLCC Tower
- KLCC Skybridge
- KLCC Skyline
- KLCC Skyline
- KLCC Skyline

XXV FIG Congress
 "Engaging the Challenges, Enhancing the Relevance"

KUALA LUMPUR CITY AT NIGHT

Hotels in the vicinity of the Kuala Lumpur Convention Centre

Impiana KLCC Hotel & Spa
 (impiana.com.my)

JW Marriot Kuala Lumpur
 (marriot.com.my)

hotel maya
 KUALA LUMPUR
 (hotelmaya.com.my)

XXV FIG Congress
 Hotels in the vicinity of the Kuala Lumpur Convention Centre
 "Facing the Challenges, Enhancing the Deliverables"

Concorde Kuala Lumpur
 (concordemalaysiaresorts.com)

Hotel Istana Kuala Lumpur
 (hotelistana.com.my)

Corus Hotel Kuala Lumpur
 (corus-hotels.com)

The Westin Kuala Lumpur
 (thewestinkualalumpur.com)

Renaissance Kuala Lumpur Hotel
 (krenaissance.com)

Dorsett Regency Kuala Lumpur
 (dorsettregency-kl.com)

Proposed Technical Visits
XXV FIG
PUTRAJAYA CORPORATION
DEPARTMENT OF SURVEY AND MAPPING

MaCGDI
 Model for Geospatial Data Interchange

NATIONAL HYDROGRAPHIC CENTRE

MALAYSIA FRIM

LAND OFFICE KUALA LUMPUR

TUNNEL

2000	3350	3350	150
Emergency Lane	Traffic Lane	Traffic Lane	Marginal Lane







XXV FIG Congress
WHO SHOULD ATTEND?
 "Engaging the Challenges, Enhancing the Balance"
 16-21 JUNE 2014, MALAYSIA

- Home Buyers
- Hydrographers
- Investors
- Knowledge Managers
- Land Economists/ Administrators
- Local Authorities
- Management Consultants
- Property Valuers
- Property Managers
- Real Estate Appraisers
- Real Estate Agents
- Project Managers
- Quantity Surveyors
- Town Planners

Academics
 Architects
 Accountants
 Bankers
 Builders
 Building Surveyors
 Building suppliers
 Contractors
 Developers
 Engineers
 Financial Consultants
 Financial Officers
 Government Officers
 Geomatic and Land Surveyors



XXV FIG Congress
 "Engaging the Challenges, Enhancing the Balance"
 The 2014 Congress in Malaysia has the support nationally of.....

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 ROYAL INSTITUTION OF SURVEYORS MALAYSIA
 PEPS Association of Valuers, Property Managers, Estate Agents and Property Consultants in the private sector of Malaysia
 UNIVERSITY OF MALAYA The Leader in Research & Innovation
 malaysia airlines



FIG KUALA LUMPUR 2014 **XXV FIG Congress** **PEJUTA CEMERLANG**
"Engaging the Challenges, Enhancing the Relevance" 16 - 21 JUNE 2014, MALAYSIA

PROPOSED REGISTRATION FEES

- *Early Bird Registration, on or before 24 March 2014* € 630/-
- *Normal Registration, from 25 March to 22 April 2014* € 700/-
- *Late Registration, from 23 April 2014* € 790/-
- *Daily Registration* € 300/-
- *Accompanying Person Registration* € 150/-
- *Young Surveyors Conference* € 170/-



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Kuala Lumpur, Malaysia
READY: 16 - 21 June 2014

FIG 2014 Congress TEAM is ready & waiting to welcome you ...

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PEJUTA
CEKAP DAN LEBAYAR

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Website: www.fg.net/hg2014

Organized by:

 INTERNATIONAL FEDERATION OF SURVEYORS

 NIGERIAN INSTITUTION OF SURVEYORS

Welcome

ENVIRONMENT FOR SUSTAINABILITY

FIG Working Week 2013

Abuja, Nigeria 6–10 May

Platinum sponsors:      

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SUMMARY PRESENTATION

ENVIRONMENT FOR SUSTAINABILITY

FIG Working Week 2013

Abuja, Nigeria 6–10 May

Platinum sponsors:      

Gold sponsors:



Thanks for your attendance



Photo courtesy of Peter Laarakker

Thanks for Participating



(FIG/GLTN Surveyor Generals/Director Generals Roundtable)



Thanks for the support



Thanks for entertaining



The AU Declaration on land: a call to use the F&G (cont.)

- **RECs**
 - Convene periodic regional land policy platforms for experience sharing
 - Capture/address land issues within their respective common agricultural policy frameworks
- **Member states**
 - Review their land sector with a view to develop comprehensive policies
 - Build adequate capacity (human, technical, financial capacity for land policy)
 - Make use of the F&G as a valid tool to guide their national land policy process
- **CSOs**
 - Participation
- **(Land surveyors?)**

Dr Hubert Quedrigo, UNECA, AU LPI

(d) Frameworks and practices: role of surveying community?

1. Land Policy Initiative in Africa: Frameworks and guidelines for land policy: AUC/AUC/UNECA
2. Voluntary Guidelines (on the Responsible Governance of Tenure of Land, Fisheries and Forests in the Context of Food Security): CFS/FAO)
3. LADM (ISO 19152 Standard with STDM as subset)
4. LGAF (land Governance Assessment Framework) WB in over 12 countries
5. Upcoming land reform and land administration reform in sub-Saharan Africa (WB/ Frack Byamugisha)

Surveyors cannot longer afford to ignore....Needs to engage



FIG Working Week 2013
Abuja, Nigeria 6-10 May 2013



Dr Remy Seitchiping, GLTN, UN-Habitat

Concluding Remark (Cont'd)

POA137

- There is equally a need for attitudinal change by the political leadership and land sector professions.
 - How can those benefiting from the very weak system of land administration allow a change in the system?
- Strong need for resource mobilization
- Development of a National Mapping Policy (NMP) is imperative
- Development of Geospatial Information (GI) Policy is equally imperative
- However, governance by itself is nothing, approaches to governance is everything.

□ *Thank you for your attention.*

Prof Peter Adeniyi, PTCLR Nigeria

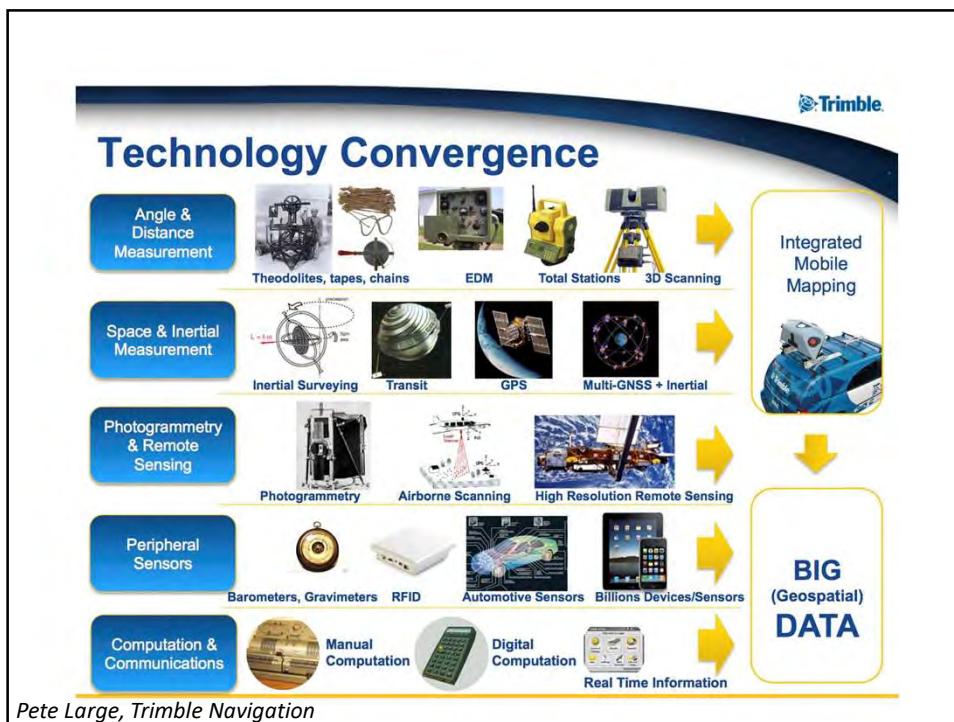
The continuum of land rights

A CENTRAL CONCEPT IN THE PARADIGM SHIFT

- Rights to land are regarded as lying *on a continuum*
- Tenure can take a variety of forms along this continuum
- In reality, the rights do not lie on a single line, and they may overlap with one another
- Registered freehold (at the formal end of the continuum) should not be seen as the preferred or ultimate form – it is one of a number of appropriate and legitimate forms (customary, leasehold, group tenure...)
- The most appropriate form depends on context



Jean du Plessis, GLTN, UN-Habitat



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Geoinformation for Societal Benefit

Land Management, Agriculture, Biodiversity, Climate,

Disasters, Ecosystem, Energy, Health, Water, Transportation, Infrastructure etc

FIG KUALA LUMPUR 2014

Dr Hussein Omar Farah, RCMRD

TECHNOLOGICAL INNOVATIONS AND SYSTEMS

In Lagos State for example, the area mapped measures approximately 4000 sq. km. covering both land areas and water bodies, creeks, lagoon and coastline of Lagos State.

- The Lagos State project designed, created and implemented a Database which meets ISO/Federal Geographic Data Committee (FGDC) standards.
- Mapping and GIS Projects have revolutionised the practice by Surveyors, town planners, GIS practitioners and Engineers in the States that have mapped in a way never imagined.
- The Lagos state mapping has made land management more effective and efficient.
- GIS practitioners execute their projects faster and better since the base data for their practice is available.

The Mapping Exercises have specifically addressed the following areas

- Land Registration and Management
- Increased Income Generation
- Tourism
- Agriculture
- Transportation
- Physical Planning
- Security
- Environmental Monitoring and Control
- Mineral Resources Development
- Population Census

 Office of the Surveyor-General of the Federation

Prof Peter Nwilo, OSFOG Nigeria

 **Social Tenure Domain Model
Training the Trainers Workshop**
Abuja, Nigeria, May 4th – 6th 2013

The FIG Foundation

 2013 FIG Working Week
"Environment for Sustainability"
Abuja, Nigeria, 4th – 11th 2013

Organized by:



Social Tenure Domain Model
Training the Trainers Workshop
 Abuja, Nigeria, May 4th – 6th 2013

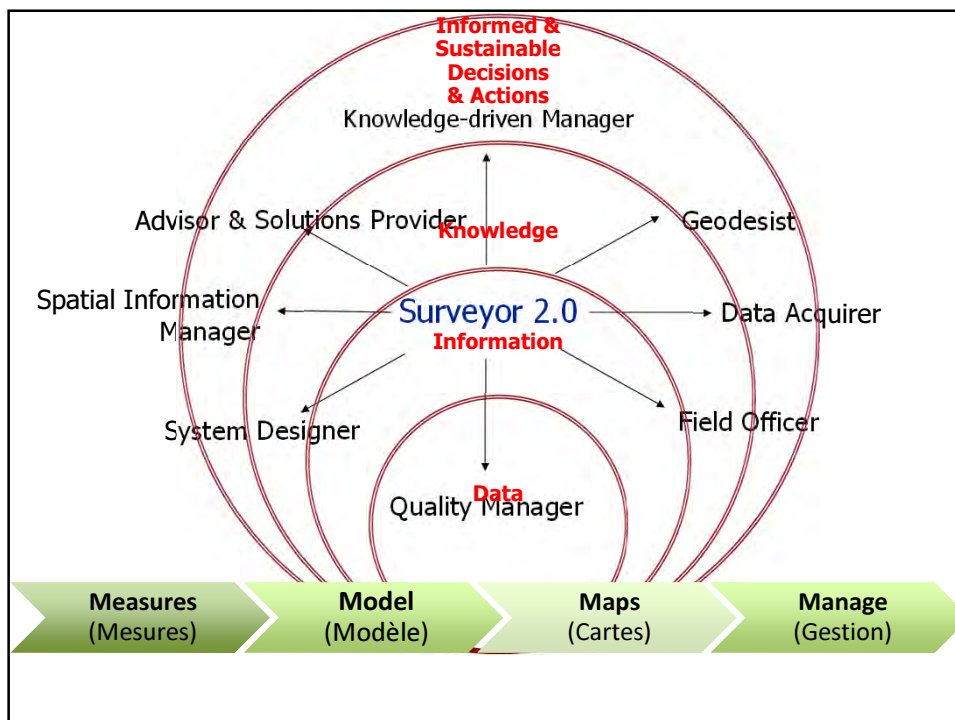


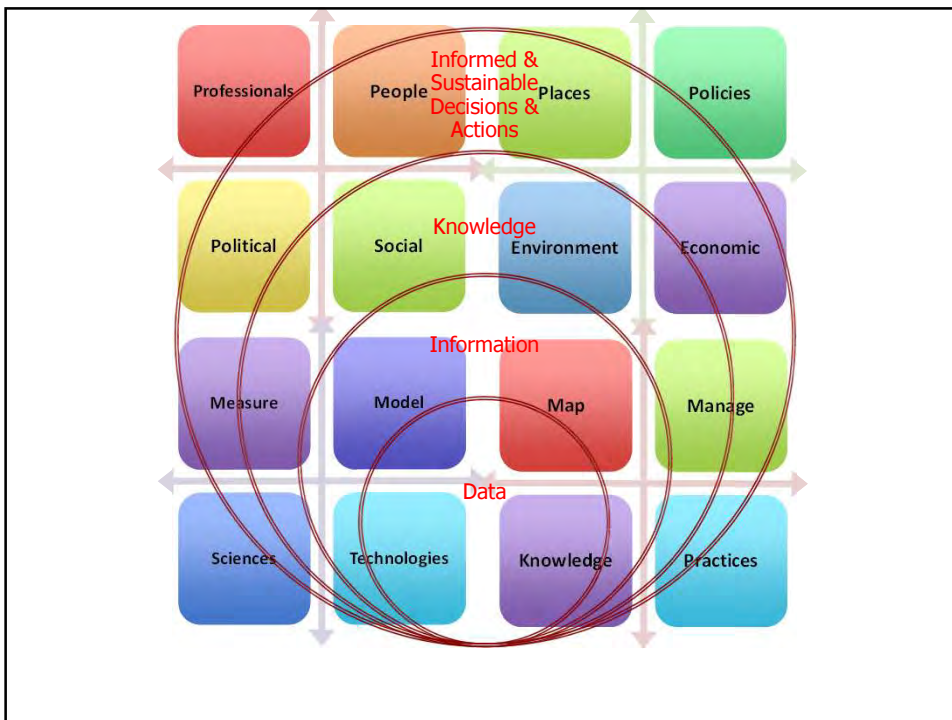
Roles of younger surveying professionals, communities and institutions

ENVIRONMENT FOR "Fit-for" purposes" people/land Relationships
FIG World
 Abuja, Niger



Platinum sponsors:



2011 - 2014 Work Plan:
Engaging the Challenge: Enhancing the Relevance

Member associations
Affiliates
Corporate members
Correspondents
Academic members

Engaging the Membership

- Communications
- Commissions
- Conference Structures

Engaging Global Challenges


- Collaborating
- Contributing
- Cascading

Enhancing the Significance and Relevance towards the betterment

- Society
- Environment
- Economy

Vision

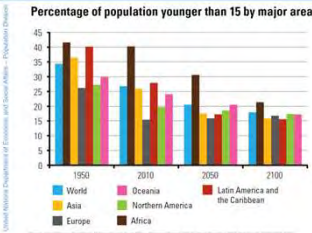
A Profession, armed with knowledge and best practices, extending the usefulness of surveying for the benefit of society, environment and economy, increasingly positioned in significance and relevance, next door to everywhere.



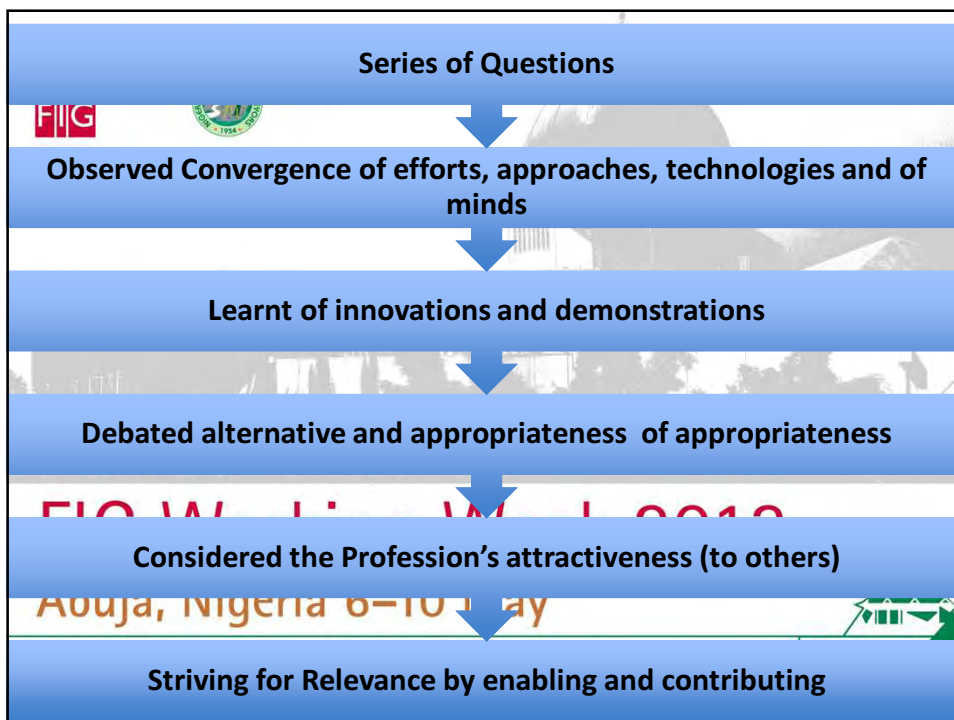
Median Age in Years	1950	1980	2010	2050	2100
Latin America and Caribbean	20.1	20.1	27.9	41.0	46.6
Africa	19.2	17.5	19.8	26.4	35.9
World	23.9	23.1	29.4	37.9	41.9

(United Nations Department of Economic and Social Affairs)

addressing the needs of Youth as a broad category within Society and Economy.



Percentage of population younger than 15 by major area



Organized by:

RELEVANCE
INTERNATIONAL SURVEYORS
FIG

INTERNATIONAL ASSOCIATION OF GEODESY AND GEOMATICS ENGINEERS

NIGERIAN INSTITUTION OF SURVEYORS

a : relation to the matter at hand
b : practical and especially social applicability :
2
a: the ability (as of an information retrieval system) to retrieve material that satisfies the needs of the user
(merriam-webster online dictionary)

to underpin efficiency, good governance (responsiveness, accountability and transparency) and public safety and public good

ENVIRONMENT FOR SUSTAINABILITY

FIG Working Week 2013

Abuja, Nigeria 6–10 May

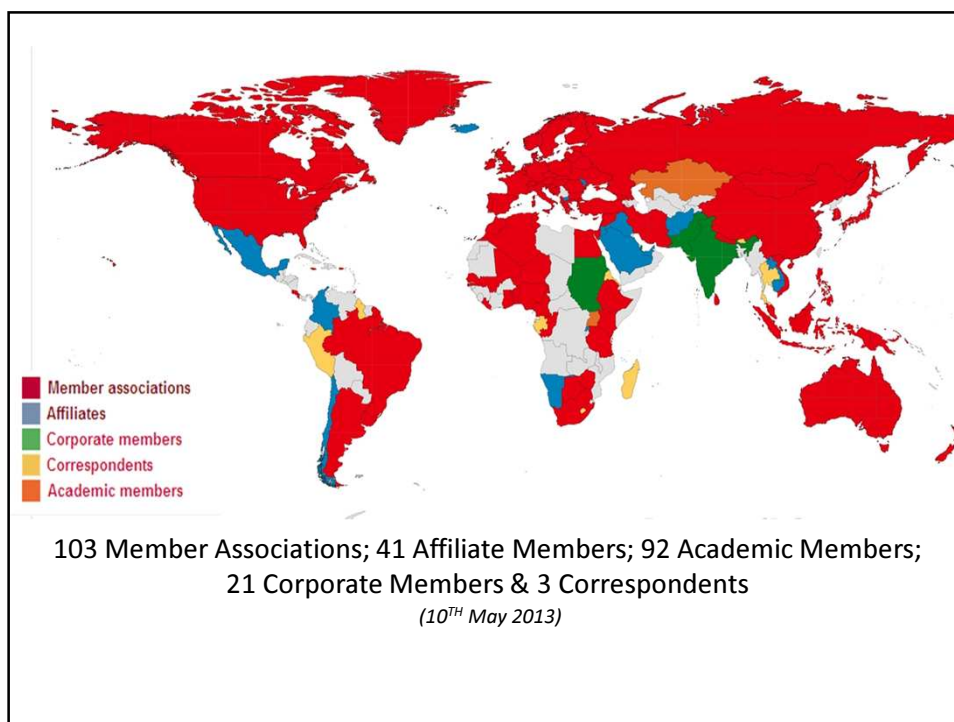
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Supporting Professional and Capacity Development

- Locally initiated and driven capacity development initiatives.
- Directly supported by FIG's member associations, affiliates and academic members.
- FIG global membership should contribute
- FIG coordinate support and collaborate with regional and linguistics structures within FIG, sister organizations and partners
- Medium term work plan with partnering agencies.

After McLaren, Lemmen, Steudler & Teo, 2013



37th GA (2014) is expected to be-

- lengthy, to take two full days
- have end of term reports by Commissions, Networks, Task Forces, Permanent Institution, Foundation and Council;
- usual consideration and decision on the business of the Federation;
- proposed amendments of FIG Statutes to be voted upon as well as selections for vacant FIG Council positions
- select the venue for 2017 Working Week and 2018 Congress.
- select two VPs and the President for 2015 - 2018 term of office.



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XXV FIG 2014 Congress-

YSC will be held during the Congress week at a venue that is within walking distance to the Congress venue

The proposed surveying students/undergraduate conference is not certain (the last semester examination week at our Partner University as it was meant to be a residential program for these students)



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