

**FIG COMMISSION 10 - Construction Economics and Management**




  **8th FIG REGIONAL CONFERENCE 2012** 


*"Surveying towards Sustainable Development"*





**FIG COMMISSION 10  
MONTEVIDEO, URUGUAY, NOVEMBER 24<sup>TH</sup>, 2012  
ROBERT ŠINKNER, CZECH REPUBLIC**




The 8<sup>th</sup> FIG Regional Conference  
Montevideo, Uruguay, 26- 29 November 2012 

**FIG COMMISSION 10 - Construction Economics and Management**

  **8th FIG REGIONAL CONFERENCE 2012** 

**Chair: Robert ŠINKNER, Czech Republic** 

-  ✓ **FIG Commission 10 Chair**
-  ✓ **CUSC – Czech Union of Surveyors and Cartographers, 1<sup>st</sup> 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**

  **8th FIG REGIONAL CONFERENCE 2012** 

## 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

## 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

### And is added:

- ✓ BIM – Building Information Modelling

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BIM Definition:  
(acc. McGraw-Hill Construction, 2009):

The process of creating and using digital models for design, construction and/or operations of projects.

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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

## 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** – Chair: Mr. Hock Hai Kwan, Malaysia
  - ✓ Vice Chair of Administration – Mr. Tomas Beran, Canada
- + great support from Italy and Nigeria ☺

## FIG COMMISSION 10 - Construction Economics and Management



### YEAR 2011 - I

- ✓ **FIG Commission 10 Work Plan** was introduced in Marrakech, Morocco at the 2nd ACCO Meeting on 17th May, 2011 and at the 34th General Assembly on 18th May, 2011

Working Week, Morocco, Marrakech, 18th - 20th May, 2011.

- ✓ The Technical Programme for the Working Week was prepared with the great support from FIG Director Markku Villikka and from the FIG Office.
- ✓ Annual Meeting was held on 18th May, 2011 in Palais des Congress, room Reda2. The Work Plan was introduced to the supporters of Commission 10. The introduction was followed by the interesting discussion about Project management, Green Management and Sustainable Development. The annual meeting was visited by the Vice President Rudolf Staiger.
- ✓ The Commission Dinner took part in the LIBZAR Restaurant and it was co-organised with the help of two Moroccan surveyors

## FIG COMMISSION 10 - Construction Economics and Management



YEAR 2011 - II

- ✓ The 15th PAQS Congress and Board meeting was successfully held in Sri Lanka from 22 to 27 July 2011. The venue was at the Cinnamon Grand Colombo, Sri Lanka and the hosts are the Institute of Quantity Surveyors Sri Lanka (IQSSL) with the congress theme, Cost Management in a World Emerging from Adversity. Kindly view the website <http://www.paqs2011.lk>.
- ✓ 11th South East Asian Survey Congress and 13th International Surveyors' Congress, Kuala Lumpur, Malaysia, from 22th – 24th June, 2011 - The Chair of Commission 10 was a member of the FIG delegation to these Congresses. The members were Mr. CheeHai Teo, President of FIG, and Mr. Michael Sutherland, Chair of FIG Com 4 (see [http://www.fig.net/news/news\\_2011/malaysia\\_june\\_2011.htm](http://www.fig.net/news/news_2011/malaysia_june_2011.htm)). Robert Sinkner was invited as an Invited Speaker for the Plenary Session 2

## FIG COMMISSION 10 - Construction Economics and Management




YEAR 2011 - III

### 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.


The 5th General Assembly of AAQS was held on 26th August, 2011 in Mombasa, Kenya, and **Mr. Michael K. Frimpong**, the Chair of Working Group 10.3, was elected as a **President** of this Association. This will help the cooperation between AAQS and Com 10 and the FIG as a whole... ☺

But (!) ... Michael has not so much time to work as a Chair of WG10.3 as he would like to do... ☹

<p><b>FIG COMMISSION 9 - Quality and Management</b></p> <ul style="list-style-type: none"> <li>✓ <u>Map skills and knowledge of Surveyors</u></li> </ul> <p>This work is on-going project managers across Australia. Dr Peter Smith, also a surveyor, will map skills and knowledge to expand to other global regions.</p> <ul style="list-style-type: none"> <li>✓ <u>Research current practice to develop generic guidelines</u></li> </ul> <p>Dr Sara Wilkinson is leading a project to retrofit commercial buildings for sustainability with a focus on energy efficiency. She is working with practitioners and Chartered Institute of Building (CIOB) to achieve an outcome in 2012/3.</p> <ul style="list-style-type: none"> <li>✓ Another research project (SURE) Project funded by the Department of Environment and Heritage to monitor and, if necessary, report on the progress of projects being carried out.</li> </ul>		<p><b>Sara Wilkinson</b> Surveyors and Building</p> <p>Dr Sara Wilkinson is leading a PhD study into how to map QS and BS skills and knowledge across Australia, and then to develop and publish generic guidelines for retrofitting commercial buildings. She is a Sydney based building practitioner and Chartered Institute of Building (CIOB) member. She expects that there will be an outcome in 2012/3.</p> <p><u>Research current practice to develop generic guidelines</u></p> <p><u>Another research project (SURE) Project funded by the Department of Environment and Heritage to monitor and, if necessary, report on the progress of projects being carried out.</u></p> <p>8th FIG REGIONAL CONFERENCE 2012 FIG</p>
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<p><b>FIG COMMISSION 10 - Construction Economics and Management</b></p>		
<p>8th FIG REGIONAL CONFERENCE 2012 FIG</p> <ul style="list-style-type: none"> <li>✓ To study, develop and test models and practice".</li> </ul> <p><u>Specific project</u></p> <p>To work with practitioners to support their work on the procurement of affordable housing in developing and emerging economies.</p> <p><u>Publications</u></p> <ul style="list-style-type: none"> <li>✓ Report at the end of the project.</li> </ul>		<p><b>Ms Tzena Wong</b></p> <p>Dr Tzena Wong is leading a project to study, develop and test models and practice". She is a practitioner and Chartered Institute of Building (CIOB) member. She expects that there will be an outcome in 2012/3.</p> <p><u>Specific project</u></p> <p>To work with practitioners to support their work on the procurement of affordable housing in developing and emerging economies.</p> <p><u>Publications</u></p> <ul style="list-style-type: none"> <li>✓ Report at the end of the project.</li> </ul>

**FIG COMMISSION 10 - Construction Economics and Management**

 8th FIG REGIONAL CONFERENCE 2012 FIG


**Work**

**Michael K. Frimpong**  
Project Management

Policy Issues:


- ✓ To describe a methods and practice”
- ✓ To describe a successful ma both developed

Project Management lines as to “best” model for the project programmes in es.



☺ **Acting President of AAQS** ☺

**FIG COMMISSION 10 - Construction Economics and Management**

 8th FIG REGIONAL CONFERENCE 2012 FIG

**Working Group 10.4 – Mr. Hock Hai Kwan**

✓ **Green management:**

- ✓ A comparison and analysis of the classical and “green” methods of design, procurement and construction of buildings, building towns
- ✓ Compilation of data for whole life cycle assessment
- ✓ Cooperation with PAQS (Pacific Association of Quantity Surveyors)

Publications:

- ✓ Report at each FIG working week outlining activity and progress.
- ✓ “Green” practice notes for construction economists

## FIG COMMISSION 10 - Construction Economics and Management

### Year 2012:

- ✓ ICEC 8th World Congress, Durban, KwaZulu-Natal Province, South Africa, 23th – 27th June 2012. The congress is hosted by the Association of South African Quantity Surveyors (ASAQS) on behalf of the International Cost Engineering Council (ICEC) and is endorsed by the Africa Association of Quantity Surveyors (AAQS)
- ✓ 16th PAQS International Congress, Brunei Darussalam, 7th – 10th July, 2012 (The theme of the congress is Innovation and Sustainability: Challenges and Opportunities)
- ✓ International BIM Day, 12th, September, Prague, Czech Republic
- ✓ International BIM<sup>2</sup>Day, 29th, November, Prague, Czech Republic
- ✓ 8th FIG Regional Conference in Montevideo, Uruguay (26th – 29th November, 2012)
- ✓ FIG Workshop Com3: Informal Development, Property and Housing: Legalisation and Progress, 10.4. Task Force on Property and Housing with Com 9 & 10, Athens, Greece, 10th – 14th December, 2012

## FIG COMMISSION 10 - Construction Economics and Management



### Plans for 2013 - 2014:

- ✓ **Meeting of FIG Commission 10:**  
**Prague, Czech Republic, 2013**  
with BIM International Conference
- ✓ Full participation at FIG Working Week a FIG Congress:  
**2013 Abuja, Nigeria,**  
**2014 Kuala Lumpur, Malaysia**
- ✓ Participation on the Sister Organisations Meetings:  
**ICEC + AAQS + PAQS**
- ✓ Participation at Meetings of FIG Commissions &YS:  
**Com 3, Com 5, Com 6, Com 8, Young Surveyors**



## FIG COMMISSION 10 - Construction Economics and Management



**Technical Session at 8<sup>th</sup> FIG RC in Montevideo:**

**Tuesday, 27 November, 14:30–16:00**

**Renoir, Radisson Hotel TS05C - Construction Economics and Management**

**Chair & Rapporteur: Mr. Robert Sinkner, Chair, FIG Commission 10**

- **Robert Šinkner (Czech Republic):**  
Presentation of FIG Commission 10 (6483)
- **Marc Vanderschueren (Belgium):**  
The European Measurement Code for The Floor Area of Buildings (6311)
- **Olufemi Oyedele (United Kingdom):**  
Construction Project Finance for Sustainable Development of Nigerian Cities (6284)
- **Nicola Fiotti, Mazza Barbara, Ferreri Alida, Rossetti Vita and Ferrotti Valentina (Italy):**  
Awareness on Building-related Health damage among general Italian population and surveyors. (6321)

## FIG COMMISSION 10 - Construction Economics and Management



### Conclusion

- ✓ **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 broaden the knowledge of BIM among FIG members**
- ✓ **To get support from Latin America a East Europa and Asia, to return British support for the Com10, to build the tradition**
- ✓ **To get the support from the FIG members, FIG Foundation, to sustian **FIG Com 10** for next many years**
- ✓ **To find and prepare a Chair Elect for 2013 and 2014 to be Chair of FIG Com10 for 2015 - 2019**

**FIG COMMISSION 10 - Construction Economics and Management**



"Surveying towards Sustainable Development"



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😊 **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**

