

IAG / FIG / UNGGIM / UNICG / PhilGEGS

Reference Frame in Practice

Manila, Philippines 21-22 June 2013



WELCOME TO THE SECOND IAG/FIG/ICG TECHNICAL SEMINAR REFERENCE FRAME IN PRACTICE

Sponsors :



Reference Frame in Practice

Manila, Philippines 21-22 June 2013



Objectives and goals

- Technical knowledge on the operational aspects and practical issues relating to reference frames. More specifically – Facilitate a regional forum for geodetic agencies but focussed on the needs of Asia and the Pacific.
 - Build the geodetic capability of the Asia Pacific through technical agency-to-agency exchange.
 - Improved data sharing and international participation, including Asia Pacific Reference Frame (APREF) and International GNSS Service (IGS) participation.
- The tangible outcomes are -
- An improved and densified regional reference frame.
 - Improved data sharing arrangements (GNSS, levelling, tide gauge, gravity...)

Sponsors :



Reference Frame in Practice

Manila, Philippines 21-22 June 2013



FIG Commissions

- Commission 1 – Professional Standards and Practice
- Commission 2 – Professional Education
- Commission 3 – Spatial Information Management
- Commission 4 – Hydrography
- **Commission 5 – Positioning and Measurement**
- Commission 6 – Engineering Surveys
- Commission 7 – Cadastre and Land Management
- Commission 8 – Spatial Planning and Development
- Commission 9 – Valuation and the Management of Real Estate
- Commission 10 - Construction Economics and Management
- Young Surveyors Network

Sponsors :



Reference Frame in Practice

Manila, Philippines 21-22 June 2013



The Mission of FIG Commission 5

- Focus on modern and integrated positioning technologies.
- Facilitate and keep abreast of technical developments.
- Foster and support applied research
- Formulate and formalize collaboration with sister organizations, such as IAG/IGS
- Regular participation in FIG Events

Sponsors :



Reference Frame in Practice

Manila, Philippines 21-22 June 2013



- WG 5.1: Standards, Quality Assurance and Calibration (David Martin (France))
- WG 5.2: Reference Frames (Graeme Blick (New Zealand))
- WG 5.3: Geodetic and Positioning Infrastructure (Neil D Weston (USA))
- WG 5.4: Kinematic Measurements (Volker Schwieger (Germany))
- WG 5.5: Ubiquitous Positioning (Allison Kealy (Australia)). Joint with IAG

Sponsors :



IAG / FIG / IINGGIM / IUNICG / PhilGEGS

R in Practice

Manila, Philippines 21-22 June 2013



Sponsors :



Reference Frame in Practice

Manila, Philippines 21-22 June 2013



Friday 21st June 2013

0845 – 0900 Welcome and Opening Remarks – Mr *Mikael Lilje*

0900 – 1030 Session 1.1 Case Studies – The Status and Issues of Geodetic Infrastructure from Countries in the Region

Mr Mosese Tagicakibau (Fiji)

Mr . Gairo Wari (PNG)

Ms Charisma Victoria Cayapan (Philippines)

Mr. Aris Sunantyo (Indonesia)

1030 – 1100 Morning Tea

1100 – 1230 IGS Services and Other Initiatives – Prof *Chris Rizos*

1230 – 1330 Lunch

1330 – 1530 Session 1.3 APREF Status and Determination – Dr *John Dawson*

1530 – 1600 Afternoon Tea

1600 – 1730 Session 1.4 Reference Frame Infrastructure – Prof *Chris Rizos* and Mr *Tetsuro Imakiire*

Sponsors :



Reference Frame in Practice

Manila, Philippines 21-22 June 2013



1900 – 2200 Seminar Dinner

Restaurant : Cafe Amorsolo Location: PICC – 2nd Floor, Secretariat Building
Sponsored by ESRI, Trimble, Leica Geosystems

Sponsors :



Reference Frame in Practice

Manila, Philippines 21-22 June 2013



Saturday 22nd June 2013

0900 – 1030 Session 2.1 Gravity and WHS – *Mr Basara Miyahara and Prof Kwon Jayhyoun*

1030 – 1130 Morning Tea

1100 – 1230 Session 2.2 Multi-GNSS Environment – *Prof Chris Rizos, and Mr Tetsuro Imakiire*

1230 – 1330 Lunch

1330 – 1530 Session 2.3 Going GeoCentric – *Dr John Dawson and Mr Nic Donnelly*

1530 – 1600 Afternoon Tea

1600 – 1645 Session 2.4 Dynamic Datums – *Mr Nic Donnelly*

1645 – 1730 Session 2.5 The Role of Manufacturers in Geodetic Infrastructure

Presenters – *Mr Neil Ashcroft (Leica Geosystems), Mr Donny Sosa (ESRI), Mr Tan Siew Siong (Trimble), Mr Rod MacLeod (Novatel)*

1730 Closing Remarks – *FIG Commission 5 – Mr Mikael Lilje and Mr Rob Sarib*

Sponsors :



Reference Frame in Practice

Manila, Philippines 21-22 June 2013



Consider the following during the seminar

- Contribution to Data sharing
- Implementing applications using ITRF in your country
- AP-REF / IGS
- The ability in your country to do this (money, people, expertise, knowledge)

Sponsors :

