

Programme

May 20, 2009

***Istituto Geografico Militare
Via Cesare Battisti, 10/12
50122 - Firenze***

All presentations and posters will be available from the [EUREF web site](#).

All presentations will be held in [Sala De' Vecchi](#), at IGM

Tuesday May 26, 2009

Morning

- 09:00 - 12:30 EUREF TWG Meeting - [Sala Schmiedt](#)
- 12:30 - 13:30 Lunch - [Sala Riunioni](#)

Afternoon

- 13:30 - 17:30 EUREF TWG Meeting - [Sala Schmiedt](#)
- 14:00 - 17:00 Registration - Sala De' Vecchi

Wednesday May 27, 2009

Morning

- 08:30 - 09:50 Registration - Sala De' Vecchi
- 10:00 - 10:30 Welcome Session
- 10:30 - 11:00 Opening Session - **Chairperson:** A. Caporali
 - Welcome by Z. Altamimi (President IAG Commission 1 "Reference Frames"), J. Torres (President IAG sub-commission 1.3 "Regional Reference Frames") and J. Ihde (President of EUREF)
- 11:00 - 11:30 Coffee Break - Limonaia
- 11:30 - 12:30 [Session 1: Activities of the TWG](#) - **Chairperson:** J. Ihde
 - Main Activities and New Initiatives of the EUREF Technical Working Group, C. Bruyninx
 - The European Reference Systems in INSPIRE, J.A. Torres, V. Bitenc, A. Caporali, P. Cruddace, L. Engberg, B. Garayt, H. Habrich

- EUREF WG on the Development of the ETRS89: Objectives and First Steps, M. Lidberg, C. Bruyninx, Z. Altamimi, L. Biagi, C. Boucher, A. Caporali, R. Fernandes, P. Häkli, J. Ihde, J. Legrand, J. Torres
- Maintenance of the ETRS89 coordinates at the EPN stations, A. Kenyeres
- 12:30 - 12:45 Group Photo
- 12:45 - 14:15 Lunch - Limonaia

Afternoon

- 14:15 - 15:15 [Continuation of session 1](#)
 - Guidelines for EUREF Densifications, C. Bruyninx, Z. Altamimi, A. Caporali, A. Kenyeres, M. Lidberg, G. Stangl and J.A. Torres
 - EPN Analysis Coordinator Report, H. Habrich
 - Status of ITRF2008 development, Z. Altamimi
 - EUREF-TWG Project: Monitoring of official national ETRF coordinates on EPN web, E. Brockmann
- 15:15 - 15:45 [Session 2: New developments in GNSS networks](#) - **Chairperson:** H. Habrich
 - EPN Status and Network Management, C. Bruyninx, J. Legrand, F. Roosbeek
 - EPN Reprocessing - a new EPN Project: Current Status, **C. Voelksen**
- 15:45 - 16:15 Coffee Break - Limonaia
- 16:15 - 17:30 [Continuation of session 2](#)
 - GNSS Real-time Activities on a global and regional scale, W. Soehne, **L. Agrotis**
 - Rapid Static Positioning Using GPS and GLONASS, S. C. Schaer, E. Brockmann, M. Meindl
 - GNSS Real time data flow : some economic aspects, F. Duquenne, E. R. Mathis
 - Real-time Positioning in ETRS89 using the Hellenic Positioning System, M. Gianniou, K. Katsampalos, C. Kotsakis

Evening

- 19:30 - 21:30 Welcome Reception at Palazzo Vecchio, *Salone dei Cinquecento*

Thursday May 28, 2009

Morning

- 09:00 - 10:30 [Session 3: Mitigation of GNSS error sources](#) - **Chairperson:** E. Brockmann
 - Results and Comparisons of a Local and a Regional Reprocessed GNSS Network, J. Legrand, C. Bruyninx, N. Bergeot
 - A new mapping function based on GPS Radio Occultation for the ZTD estimation, F. Vespe, P. Sacco, C. Benedetto, F. Tataranni, M. Amoroso
 - Close-RTK: An investigation of Network-RTK performance, M. Lidberg, R. Emardsson, P. Jarlemark, J. M Johansson
 - Zero, single and double difference analysis of GPS and GIOVE-A/B L1 and L5/E5a pseudo range and carrier phase measurements, H. van der Marel, P. de Bakker, C. Tiberius
 - Improved coordinate time series from reprocessing of permanent GPS stations in Central Europe, J. Hefty, B. Droscak, M. Igondova
 - Comparative study regarding the accuracy of RTK type GPS surveys in a classic geodesic network, S. Ovidiu
- 10:30 - 11:00 Coffee Break - Limonaia
- 11:00 - 12:45 [Session 4: Modelling the Earth with GNSS](#) - **Chairperson:** J. Dousa
 - Combination of GPS Near Real-Time tropospheric parameters, R. Pacione, B. Pace, F. Vespe
 - Present and future GNSS meteorology in Poland, Bosy J., Rohm W., Borkowski A., Sierny J., Figurski M., Kroszczynski K., Oruba A., Ryczywolski M., Dziewit Z.
 - Using the EUREF Permanent Network to Monitor the Ionosphere, N. Bergeot, C. Bruyninx, S. Pireaux, P. Defraigne, J. Legrand, Q. Baire, and E. Pottiaux
 - Deformation Integrity Monitoring for GNSS-Positioning Services including a Scalable Hazard Monitoring by the Karlsruhe Approach (MONIKA) - Concept, Realisation and Results, P. Spohn, R. Jäger
 - The Abruzzo earthquake: temporal and spatial analysis of the first geodetic results, L. Biagi, S. Caldera, D. Dominici, F. Sansó
 - Time series of coordinates of CGPS stations near the epicenter of the Abruzzo 2009 earthquake, A. Caporali
 - Surface Kinematics in the Alpine-Carpathian-Dinaric and Balkan region inferred from a new Multi-Network GPS combination solution, A. Caporali, C. Aichhorn,

M. Barlik, M. Becker, R. Drescher, I. Fejes, L. Gerhatova, G. Grenerczy, J. Hefty, D. Kogoj, S. Krauss, D. Medak, G. Milev, M. Mojzes, M. Mulic, P. Pesec, T. Rus, J. Simek, J. Sledzinski, M. Solaric, G. Stangl, B. Stopar, F. Vespe, G. Virag

- 12:45 - 14:15 Lunch - Limonaia

Afternoon

- 14:15 - 15:15 [Session 5: Height, Gravity, Geoid and Combination of Techniques](#) - **Chairperson:** M. Poutanen
 - EUVN_DA: Completion of the European GPS/leveling network, A. Kenyeres, M. Sacher, J. Ihde, H. Denker, U. Marti
 - ECGN - European Combined Geodetic Network, M. Poutanen, J. Ihde
 - The GEOID 2008 - a New Geoid for Austria, N. Hoeggerl, C. Ullrich
 - Heights and scale variation in their inherent reference frames, C. Kotsakis, K. Katsampalos, M. Gianniou
- 15:15 - 15:45 [Session 6: Improvements and densification of ETRS89](#) - **Chairperson:** J. Torres
 - Final results of the Italian "Rete Dinamica Nazionale" (RDN), G. Farolfi, L. Baroni, F. Cauli, R. Maseroli
 - Final Results with the Computation of the new Italian Permanent Network RDN of GPS Stations: the Contribution of the University of Padova, A. Caporali, F. Turturici
- 15:45 - 16:15 Coffee Break - Limonaia
- 16:15 - 17:30 [Continuation of session 6](#)
 - Independent strategies for GPS data processing applied to the New Italian Geodetic Reference Network (RDN), S. Gandolfi, M. Barbarella, Ricucci Luciano, Zanutta Antonio
 - Densification squared: embedding the GNSS network of the Veneto Region into the RDN densification of ETRF2000, A. Caporali, F. Turturici, M. De Gennaro, Aldo Marolla, A. Zampieri, A. Menin and V. Achilli
 - Adjustment and transformation strategies of ItalPoS Permanent GNSS Network, A. Capra, C. Castagnetti, G. Casula, M. Dubbini
 - Hellenic Terrestrial Reference System 2007 (HTRS07): a regional densification of ETRS89 over Greece in support of HEPOS, K. Katsampalos, C. Kotsakis, M. Gianniou
 - CROPOS - Croatian Positioning System, M. Marjanovic, M. Bosiljevac, Z. Bacic

Evening

- 19:30 - 22:30 Symposium Dinner, Villa Viviani
Meeting point 19:30, via della Dogana

Friday May 29, 2009

Morning

- 09:00 - 10:30 [Session 7: National reports](#) - **Chairperson:** J. Krynski
 - Turkish National Continuously Operating RTK Network (CORS-TR), A. Kilicoglu, A. Cingoz, B. Aktug, O. Lenk
 - National Report of Great Britain, M. Greaves, C. Fane, P. Cruddace
 - National Report of Finland, P. Hakli
 - National Report of France, B. Garayt, F. Duquenne, T. Duquesnoy, A. Harmel, P. Rebischung
 - National Report of Switzerland, E. Brockmann, D. Ineichen, M. Kistler, U. Marti, S. Schaer, A. Schlatter, B. Vogel, A. Wiget, U. Wild
 - National Report of Italy, F. Cauli, R. Maseroli
 - National Report of Poland, J. Krynski, J.B. Rogowski
 - National Report of Austria, G. Stangl, N. Hoeggerl, C. Aichhorn, E. Imrek, D. Ruess, H. Titz, C. Ullrich, E. Zahn
 - National Report of Croatia, M. Premuzic, M. Marjanovic, M. Bosiljevac
 - National Report of Hungary, A. Kenyeres, T. Horvath, G. Virag
 - National Report of Belgium, P. Voet
 - National Report of Germany, J. Ihde, C.H. Jahn, G. Liebsch, B. Richter, M. Sacher, H. Habrich, H. Wilmes
 - Status of the geodetic control of Lithuania and further movements, E. Parseliunas, A. Buga, A. Kalantaite, R. Kolosovskis, B. Krikstaponis, R. Obuchovski, P. Petroskevicius, R. Putrimas, E. Sleiteris, S. Urbanas
- 10:30 - 11:00 Coffee Break - Limonaia
- 11:00 - 12:00 [Continuation of session 7](#)
 - National Report of Moldova, V. Chiriac, M. Ovdii
 - National Report of Portugal, M. Vasconcelos, H. Botelho, G. Crisostomo, C. Martins

- National Report of Sweden, L. Engberg, L. Jivall, M. Lidberg, A. Engfeldt, P. Eriksson, B. Jonsson, M. Lilje, T. Lithen, J. Agren
- National Report of Netherlands, J. Van Buren, H. van der Marel, A. Kusters
- National Report of Slovenia, B. Stopar
- National report of Slovakia, J. Hefty, D. Ferianc
- National of Denmark ,C. Jepsen
- National Report of Greece ,M. Gianniou
- National Report of Spain, M. Valdes
- 12:00 - 13:00 Closing Session - **Chairperson:** Mark Greaves

Afternoon

- 15:00 - 18:00 (timetable depending on the number of participants) [Galileo Exhibition](#)

Saturday May 30, 2009

- [8:30 - 18:00 Technical Tour of Pisa](#)
Meeting point 8:30 via della Dogana

Posters

- Vertical Crustal Movements on the Croatian Territory, N. Rozic, I. Razumovic

Session 2

- The Hermes GNSS NtripCaster of AUTH, C. Pikridas, A. Foiou, D. Rossikopoulos, S. Spatalas, V. Tsioukas, S. Katsougiannopoulos
- Initial analysis of the accuracy of position determination using ASG-EUPOS NAVGEO (RTK VRS) service, M. Uradzinski, A. Dorskocz
- Data quality and coordinates monitoring for a permanent network: an experience based on BSW5.0, S. Caldera , L. Biagi
- Re-design of the IGS/EPN station Kootwijk (KOSG), H.van der Marel, L. Huisman
- GNSS carrier phase processing using Modified Ambiguity Function Approach, S. Cellmer, P. Wielgosz
- Extended GNSS products/services from Geodetic Observatory Pecny, J. Dousa, V. Filler
- The New RTCM 3.1 Transformation Messages - Declaration, Generation from ReferenceTransformations and Implementation as a Server-Client-Concept for GNSS Services, G. Younis, R. Jäger , S. Kälber

- Permanent Stations Network Reference GNSS Private as an Alternative to the Network ROMPOS, G. Badescu, Ovidiu Stefan, M. G. Radulescu, C. Spatar

Session 3

- Progress of the IAG SC1.3 Working Group in Providing a Dense Global Velocity Field Based on GNSS Observations, C. Bruyninx, Z. Altamimi, M. Becker, M. Craymer, L. Combrinck, A. Combrink, J. Dawson, R. Dietrich, R. Fernandes, R. Govind
- Comparison of strain fields in Italy calculated using new GPS and historical seismicity data, C. Ferraro, F. Visini, B. Pace, F. Vespe
- Homogeneous Zenith Total Delay Parameter Estimation from European Permanent GNSS Sites, W. Soehne, M. Figurski, K. Szafranek
- Tropospheric delay for close stations (Warsaw area) - properties and verification, T. Liwosz, M. Kruczyk

Session 4

- Diurnal and sub-diurnal oscillation in GPS coordinates, A. Araszkiewicz, J. Bogusz, M. Figurski
- Precise Point Positioning with Atomium using IGS Orbit and Clock Products : First Results, C. Bruyninx, Q. Baire, P. Defraigne, J. Legrand
- Detection of the multipath effect in the ING2 GPS station with a new developed software, A. Graziani, R. Bertacin, P. Tortora
- Tropospheric delay EPN products - some statistics in relation to COSMO NWP model, M. Kruczyk

Session 5

- Preliminary work on Creation of the New Croatian Geoid Model HRG2009, I. Grgic, M. Lucic, M. Repanic, O. Bjelotomic, M. Liker, T. Basic
- A-10 absolute gravimeter for geodesy and geodynamics, J. Krynski, P. Roguski
- Vertical shifts of LVDs by EGM08 and Wo - preliminary result, V. Vatr, Z. Sima, M. Vojtiskova
- The New International Absolute Gravity Database of BGI and BKG, J. Ihde, H. Wziontek, H. Wilmes, R. Falk, S. Bonvalot, A. Briais

Session 6

- ASG-EUPOS monitoring with reference to EPN, K. Szafranek, M. Figurski, P. Kaminski, K. Kroszczynski
- Implementation of ASG-EUPOS within national control network, M. Leonczyk, W. Graszka, A. Oruba

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