



Federal Agency for
Cartography and Geodesy



Activities of the EUREF Governing Board

Wolfgang Söhne



- EUREF Governance
 - GB meetings
 - Cooperations
- EUREF Components
 - EPN / EPN CB
 - EPN Coordinators
 - EUREF Working Groups
 - Reference Frames

➤ GB meetings 2023/2024

- Fall 2023 meeting (GB93a+b): online 21.10.2023 + 04.11.2023
- Spring 2024 meeting (GB94): hybrid 06.+07.02.2024 (in-person in Brussels)
- Summer 2024 meeting (GB95a+b): online 13.05.2024 and hybrid 04.06.2024 (in-person in Barcelona)

➤ Cooperations

- United Nations Committee of Experts on Global Spatial Information System (UN-GGIM): Europe
 - One of six Working Groups is „Geodetic Reference Frames in Europe“ (GRF)
 - Chair of WG GRF, Jeffrey Verbeurgt (belgium), at GB95a meeting
 - Representation of GRFs on a political (and legal) level
 - 11th Plenary Meeting of UN-GGIM: Europe June 19-20 in Geneva, Switzerland
- Global Geodetic Center of Excellence (GGCE)
 - Head of GGCE is Nicholas Brown (Australia)
 - Digital meetings with many groups and organisations worldwide, e.g. EUREF

➤ Cooperations

- European Plate Observing System (EPOS)
 - MoU between EUREF and EPOS ERIC
 - Several relations between EUREF and EPOS Thematic Core Service (TCS) „GNSS Data and Products“
 - EUREF presentation by J. Legrand at EPOS Days in March 2024
 - Participation of M. Manunta of TCS „Satellite Data“ at GB95a
 - Mainly working with InSAR data from Copernicus satellites
 - Need geodetic reference – so far from outside EPOS
 - EUREF-EPOS Workplan 2024-2025 presented at GB94 meeting and signed by both partners
 - → presentation by C. Bruyninx on Thursday, 13:30

➤ Cooperations

▪ Copernicus Climate Change Service (C3S)

- Goal: increasing the number of datasets -> implementation of a global GNSS data repository for climate studies
- Request for „ your collaboration for negotiating the access of the GNSS RINEX files from EUREF archive for this Copernicus activity over long term“
- Similar request to the International GNSS Service (IGS)
- Meeting of EUREF GB members with C3S members on May, 14
- Aspects to consider
 - Usage of EPN data and products (e.g. EPN repro) is appreciated
 - Duplicating archives seems not to be the optimal way forward – use web services instead
 - Licensing aspects
 - Visibility and usage of EUREF components important for our justification
- → poster presentation by J. Jones

➤ Cooperations

- Central European GNSS Research Network (CEGRN)
 - CEGRN Consortium established in 2001
 - MoU between EUREF and CEGRN
 - New partners and new members (Bulgaria, Romania, Poland, Serbia)
 - Effort in „horizontal“ and „vertical“ cumulative solutions and time series analysis
 - → presentation by J. Zurutuza on Thursday, 13:45

- EPN / EPN CB
 - Resolution no. 1 of 2023
 - Delivering „old“ data **done**
 - Usage of M3G tool
 - → presentation by C. Bruyninx on Thursday, 09:55
 - Usage of and inconsistencies in using long product filenames
 - Ref.: „Guidelines for long product filenames in the IGS“, v2.1 (April 2024)
AAAVPPPTTT_YYYYDDDHMM_LEN_SMP_CNT.FMT
 - EUROOPEFIN -> EUROPSFIN
 - ???OOPSFIN -> ???0EPNFIN
 - Identical renaming by BEV and BKG RDCs end of May
 - How to use the long product filenames in case of different frame realizations?
 - → presentation of C. Bruyninx on Wednesday, 11:10

- EPN Coordinators
 - Analysis Center Coordinator
 - Intensive combination tests following GPSweek 2238
 - Contributions of all 17 ACs available soon
 - → presentation by T. Liwosz on Wednesday, 13:30
 - Troposphere Coordinator
 - Resuming combination after GPSweek 2238
 - Development of rapid combination
 - → presentation by R. Pacione on Wednesday, 14:10
 - Reference Frame Coordinator
 - First cumulative solution after GPSweek 2238 for testing
 - C2295 as „hybrid“ solution
 - → presentation by J. Legrand on Wednesday, 13:50

- EUREF Working Groups
 - EPN Reprocessing WG
 - Resolution no. 3 in 2023
 - EPN Repro3 is in delay, but ongoing
 - 16 of 17 Analysis Centres are actively contributing
 - Depending very much on processing power
 - Some ACs already finalized
 - Some re-reprocessing necessary
 - → presentation by T. Liwosz on Wednesday, 13:30
 - WG on EPN Densification
 - Most recent solution is D2200
 - Waiting for the finalization of EPN repro3
 - Benchmark test in between?
 - WG on Deformation Models

- EUREF Working Groups
 - WG on European Height Reference Surface
 - Several new data included
 - Working on a new CRS-EUv2 database
 - → presentation by J. Schwabe on Thursday, 09:00

➤ EVRS/UELN

- New data from Moldova, new border connections
- Investigations on the use of hydrodynamic leveling
- → presentation by M. Sacher on Thursday, 09:20

➤ ETRS89

- Derivation of ETRF2020
- Resolution no. 1 of 2023
 - → Update of EUREF Technical Note no. 1 **done**
- Resolution no. 2 of 2023
 - First online meeting for volunteers this spring
 - → presentation by M. Lidberg on Wednesday, 10:30
- Update of ITRF2020
 - → presentation by Z. Altamimi on Wednesday, 10:50



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Thank you for your kind attention!

Bundesamt für Kartographie und Geodäsie
Section G2
Richard-Strauss-Allee 11
60598 Frankfurt am Main

wolfgang.soehne@bkg.bund.de
www.bkg.bund.de
Phone +49 69 6333 – 263