

Time & location:

Part I: Wed, Feb 12, 2025, 1300-1500 CET (online)

Excused for Part I : Rolf Dach, Tomasz Liwosz, Benjamin Männel, Martina Sacher

Part II: Fri, Feb 28, 2025, 0900-1100 CET (online)

Excused for Part II : Ambrus Kenyeres, Juliette Legrand, Martina Sacher, Joao Torres

MINUTES**1. Opening (Söhne)****2. Approval of minutes of 96th GB meeting (Kollo)**

GB96 was a two-part meeting, with first part online in Oct 15, 2024 1400-1530 (online) and second part in Nov 12, 2024, 0930-1220 CET (online). The latest version of the minutes of GB96 has been sent to the GB on January 25, 2025.

3. Review of Action Items from previous GB meetings (Söhne)

- From GB96:
 - Remind the IGS Infrastructure Committee about the INSAR topic.
 - Members for ETRS89 study group
 - Ask both EPN data sets if there is restriction access to the medium results of REPRO3-> difficult because all files (operational and repro) are in the same directory -> in progress
 - EUREF-EPOS collaboration
 - EUREF-EPOS discussion next time, GB members to provide information what they would like to discuss, what is open questions
 - Distribute the letter from Jeffrey Verbeugt to EUREF partners
 - Contributions for the 2024 newsletter were timely, and it was published before Christmas. Thanks to Andrzej.

4. EUREF Governance**a. EUREF Symposium 2025 (Fernandes, Ribeiro)**

RF gives a short presentation on the dates, venue, travel conditions and a draft schedule. EUREF Symposium will be held 25-26 June in Covilhã, Portugal, venue is located in University of Beria Interior. Tutorial/AC workshop to be held on 24th of June.

Discussion:

- The auditorium has a capacity of 140 people, poster area in atrium/corridor. Coffee breaks/lunch in atrium and corridor, possible to stage additional tables, outdoor area available
- Accommodation options and transportation, including possibility for the shuttle bus from the main hotels to the meeting place.
- Traveling to/from Covilhã – bus and train connections from Lisbon and Porto, shuttle bus back to the airport in Lisbon highly recommended
- One day workshop versus tutorial – GB is in favour of AC workshop. The workshop will cover operational analysis of REPRO3 and other topics
- In person/hybrid symposium? Preference for an on-site symposium, but hybrid is feasible if requested. Registration fees would be the same for both online and on-site participation. AC workshop shall be hybrid. One common fee for symposium and workshop.
- Workshop as EUREF AC workshop with EPOS GNSS TC invited. Carine will write email to EPOS GNSS TC to inform EPOS GNSS TC about the forthcoming workshop

- Proposal: Close symposium on Thursday evening and use Friday for traveling home? – GB is in favour, there are at least three full days (Tuesday to Thursday)
- RF presented the draft version of the Symposium's webpage <https://euref2025.segal.ubi.pt>. It contains the home page, the registration page, the hotel & travel information. GB is in favour of having only bank transfer for payment rather than various options, which make things too complicated. GB welcomes the bus shuttle. It will need additional information on the web page and the option for the participants to register for this transport.
- CB asks for some changes on the home page where the AC Workshop is not visible. WS and CB will propose some new text.
- ML presents the wish of the GGCE chair on a remote keynote. GB not in favour, a keynote should be in presence.
- GB is in favour of having the dinner shifted to Wednesday, i.e. before the last symposium's day. MP reminds to the Closing Session and proposes to shorten the poster session.
- Post meeting note: use the email euref2025@segal.ubi.pt for communications.

Action Item to CB and WS: propose the changes on the home page distinguishing between the symposium and the workshop.

Action Item to KK and WS: organize, whenever necessary, the next videoconference between local organizers and GB members on the EUREF 2025 symposium on a short note.

b. EUREF GB membership (Söhne, Lidberg)

Overview of the status of current GB membership, outlined the tasks to be executed during the symposium. Several options to be discussed, among them call for positions elected by the Plenary – one or two open positions – GB is in favour of two. Appointment of members in charge of specific tasks, i.e. ETRS89 study group was formed in November 2024 and first kick-off meeting held in January 2025. Question of replacements for some positions.

Action Item for WS: formulate the call for Nominations for EUREF GB membership for two open positions. Strengthen the task description for NMAs.

5. ETRS89 (Collilieux)

After the meeting, XC distributes some slides on the status of the Study Group.

6. EPN (Bruyninx)

- Request for coordinates certification for ROMPOS reference stations (Bruyninx)**
CB received e-mail concerning the ROMPOS. GB has some questions, e.g. certification vs validation, EPN Repro3 vs EPND etc. GB proposes to set up a videoconference with ROMPOS where they could explain the network, the processing, the goals, etc. CB emphasizes that the GB should have a consolidated view on the questions ROMPOS asked before sitting together.

Action Item to CB: write an answer to the ROMPOS mail with some explanation and the proposal of a videoconference.

Action Item to KK: set up a doodle for a videoconference of GB members with ROMPOS providers.

7. Coordinators

a. Report of the Analysis Centre Coordinator (Liwosz)

TL gives the status of the operational processing and the combination and on the status of the EPN Repro3 processing and combination. BKG has some years left, which should be available the next 2 or 3 weeks. UPA has delivered so far three years only. CV proposes to provide the overview of the status of the ACs to the EPN Repro3 ACs.

Action Item to TL: prepare a pdf with the overview of the status of each AC's contribution to EPN Repro3 and distribute to the ACs.

8. Working Groups

a. European Unified Height Reference (Schwabe)

JS picks up a comment from ML concerning gravity data in Europe and gives a status on this topic. Gravity data has been collected in Europe by Heiner Denker from University of Hanover over decades. After retiring of Denker, JS has been proposed by the ICGM centre to take this role. The available gravity data is one the one hand private to Denker and on the other hand to large extent outdated, so a new collection from scratch seems to be necessary. So far, data from different countries in Central and Northern Europe are already available or shouldn't be a problem. Some countries, e.g. Italy or Hungary, and South-East Europe could be more an issue. JS suggests a possible resolution on gravity data at the next symposium.

9. EUREF collaboration / external interfaces

a. GGCE workshop 2025 (Lidberg, Söhne)

ZA, KK, ML, WS were attending the workshop in Bonn. There was no request for dedicated presentations from EUREF side but contributions with slides (e.g. ZA and ML) were gratefully acknowledged and widely used by the organisers.

b. EUREF-EPOS collaboration (Bruyninx)

CB presents a detailed overview on EPOS with emphasis on the TCS on GNSS and a summary of potential advantages of EPOS for EUREF (visibility of EUREF in EPOS platform, modernised site-log system, EU projects and common services/activities etc), as well ideas how to proceed with the collaboration. MoU with EPOS ERIC signed in 2022. Joining EPOS to be able to provide our services in long perspective - shared objectives, analysis and capacity building, as well harmonization of GNSS analysis and EPND and EPOS velocity product alignment in the future. CB proposes to create a small task force of GB members to discuss the topics in more detail.

Action Item to AA, CB, AK, ML, RP, WS, CV: set up a task force to discuss in more detail the topics for EUREF-EPOS collaboration, EUREF needs and the Working Plan for the next years.

10. AOB

a. Workshop on "Georeferencing in the digital era" in May/June in Oslo (Lidberg)

b. IAG Assembly in Rimini – possible EUREF contributions (Lidberg)

Deadline for abstracts is March 15. EUREF should be visible "somehow", but who is going to Rimini? Height? Gravity? Maybe one poster? Or two? ML indicates willingness to submit an abstract on EUREF's status, but for a poster rather than a talk. Maybe a poster on Repro3 status?

Action Item to TL and CV: prepare and submit an abstract to the IAG Assembly in Rimini on the status of EPN Repro3 as a poster presentation

c. Next GB meeting(s) (Kollo)

- i. Summer 2025 meeting in several parts (1st digital, 2nd digital, possibly a short 3rd in-person during the symposium)
- ii. Fall 2025 meeting in-person?
- iii. Spring 2026 meeting in-person?! (100th GB meeting!)
- iv. Summer 2026 meeting in person during symposium?