



International Association  
of Geodesy

# JWG 2.1.1: Development of the International Terrestrial Gravity Reference Frame

Web-Meeting, 16.07.2026

Chair: Hartmut Wziontek, BKG (Germany)

Vice-chair: Sylvain Bonvalot, BGI (France)

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# Agenda

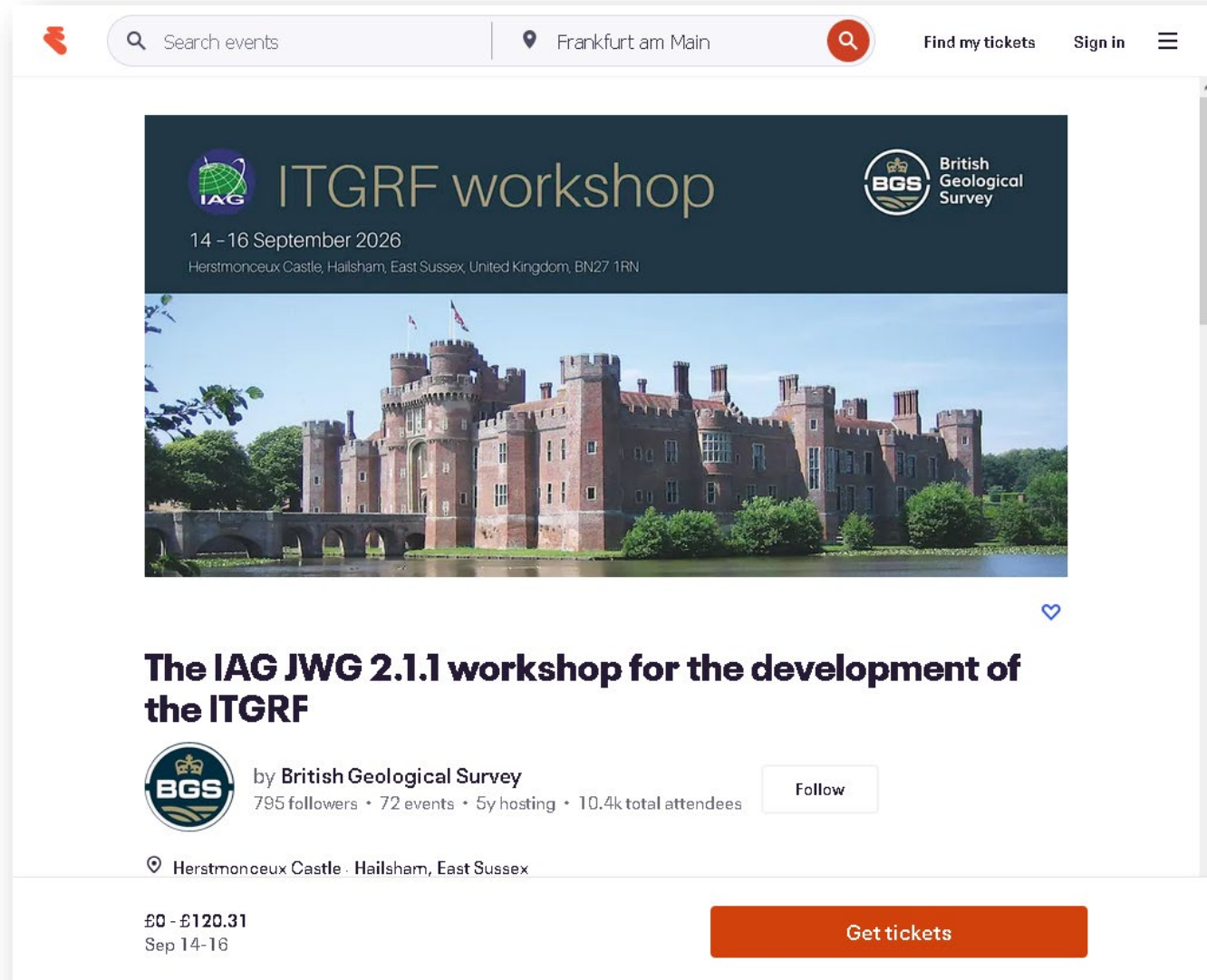
1. ITGRF Workshop Registration
2. ITGRF Workshop Program
3. ITGRF Wiki at BKG

# Registration and Accommodation

Page on Eventbrite

- <https://www.eventbrite.co.uk/e/the-iag-jwg-211-workshop-for-the-development-of-the-itgrf-tickets-1986065996860>

Reservation deadline for accommodation: July 29th



The screenshot shows the Eventbrite page for the "ITGRF workshop". The header includes the IAG logo, the event title "ITGRF workshop", the dates "14 - 16 September 2026", and the location "Herstmonceux Castle, Hailsham, East Sussex, United Kingdom, BN27 1RN". The main image is a photograph of Herstmonceux Castle. Below the image, the title "The IAG JWG 2.1.1 workshop for the development of the ITGRF" is displayed, followed by the BGS logo and the text "by British Geological Survey". The page also shows the number of followers (795), events (72), hosting (5y), and total attendees (10.4k). A "Follow" button is present. The location "Herstmonceux Castle · Hailsham, East Sussex" is listed. The price is shown as "£0 - £120.31" for "Sep 14-16". A large orange "Get tickets" button is at the bottom right.



14 – 16 September 2026

In-person meeting with hybrid option

## Program Outline

Inventory of existing and proposed infrastructure

Results from the IGRF 2022 Workshop

Overall status of ITGRF

Focus on concepts

- Realization of the ITGRF reference, comparison and core stations;
- Representation (implementation) of ITGRF with absolute gravity stations and gravity networks
- Operability, coordination and maintenance of the ITGRF by establishing a committee / analysis centers
- Work plan / Milestones: next activities

Outcome:

- ITGRF Concept and Guidelines  
→ Outline Publication, IUGG Resolution 2027

## Programme Overview

**Monday 14 September (12:00–17:00)**

Welcome, Inventory/Status Reports

**Monday evening (optional)**

Tour of the Space Geodesy Facility

**Tuesday 15 September (09:00–17:00)**

Morning – Concepts: Establishment of the ITGRF

Afternoon – Concepts: Infrastructure ITGRF, Database, Stakeholders

**Tuesday evening (optional)**

Evening Banquet in the Elizabethan Room, Herstmonceux Castle

**Wednesday 16 September (09:00–13:00)**

Morning – Discussion and Summary: Concepts/Guidelines,

Outline Publication and Future Plan/Milestones

# Session Overview

|                      | Monday                                                  | Tuesday                                                           | Wednesday              |
|----------------------|---------------------------------------------------------|-------------------------------------------------------------------|------------------------|
| <b>9:00 - 10:30</b>  |                                                         | Session 2: Realization of the ITGRF                               | Discussion and Summary |
| <b>11:00 - 12:00</b> |                                                         | Session 3. ITGRF Representation with Gravity Networks             | Future Activities      |
| <b>12:00 - 13:00</b> | Lunch                                                   | Lunch                                                             |                        |
| <b>13:00 - 17:00</b> | Welcome and Status ITGRF<br>Session 1: Review / Reports | Session 4. Operability, Coordination and Maintenance of the ITGRF |                        |
| <b>Evening</b>       | Tour Observatory                                        | Banquet                                                           |                        |

# Session Planning

Erstellt von Hartmut Wziontek, zuletzt aktualisiert vor 12 Minuten • Lesedauer: 1 Minute(n)

|               | Monday (14.)                                                                                                                                                                                                                                                                                                                                                   | Tuesday (15.)                                                                                                                                                                                                                                                                                                                                                                                                                          | Wednesday (16.)                                                                                                                             |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 9:00 - 10:30  |                                                                                                                                                                                                                                                                                                                                                                | <b>2. Realization of the ITGRF</b> <ul style="list-style-type: none"> <li>▪ Classification of stations</li> <li>▪ Reference, comparison and core stations</li> <li>▪ Periodic? regional comparisons</li> <li>▪ First realization!</li> </ul> <p>Talk: A. Engfeldt and E. Antokoletz<br/>Moderator: NN</p>                                                                                                                              | <b>Discussion and Summary</b> <ul style="list-style-type: none"> <li>▪ Outline Publication</li> </ul> <p>Moderator: NN</p>                  |
| 10:30 - 11:00 |                                                                                                                                                                                                                                                                                                                                                                | Coffee Break                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                             |
| 11:00 - 12:00 |                                                                                                                                                                                                                                                                                                                                                                | <b>3. Representation ITGRF with gravity networks</b> <ul style="list-style-type: none"> <li>▪ Field/lab Stations as replacement of IGSN71</li> <li>▪ Integration of existing national network</li> <li>▪ Examples --&gt; discussion and decision on HowTo.</li> </ul> <p>Talk: V. Pálinkas and M. Lederer<br/>Moderator: NN</p>                                                                                                        | <b>Future Activities:</b> <ul style="list-style-type: none"> <li>▪ IUGG 2027 Resolution!</li> <li>▪ Milestones (with deadlines!)</li> </ul> |
| 12:00 - 13:00 | Lunch                                                                                                                                                                                                                                                                                                                                                          | Lunch                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                             |
| 13:00 - 17:00 | <b>Welcome</b> (V. Smith and H. Wziontek)<br><br><b>Status ITGRF</b> (H. Wziontek)<br><br><b>1. Review / Reports</b> <ul style="list-style-type: none"> <li>▪ National gravity networks: absolute sites, monitoring, comparisons, data access<br/><b>max. 10(?) min/report</b></li> <li>▪ Status of projects: ERIgMEA, EQUIP-G</li> </ul> <p>Moderator: NN</p> | <b>4. Operability, coordination and maintenance of the ITGRF</b> <ul style="list-style-type: none"> <li>▪ Infrastructure of ITGRF, Database</li> <li>▪ AGrav database as inventory for AG observations</li> <li>▪ Traceability, Guidelines</li> <li>▪ Stakeholders</li> <li>▪ Establishment of Analysis Centres</li> <li>▪ Committee / Consortium</li> </ul> <p>Talk: S. Bonvalot (BGI), H. Wziontek, NN (IGFS?)<br/>Moderator: NN</p> |                                                                                                                                             |
| Evening       | Observatory Tour                                                                                                                                                                                                                                                                                                                                               | Banquet                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                             |

# ITGRF Wiki

## Documentation

- Meeting of JWG-2.1.1
- IGRF Workshop 2022 Leipzig/Germany
- Sessions ITGRF Workshop 2026

## Further development

- Site requirements / recommendations
- Site classifications / selections
- Document need to be developed:  
Concept, Guidelines, Best practice guides,...

Feedback?

Contributors?

- operated by BKG:  
<https://share.bkg.bund.de/x/tgDhAg>
- Open access, but limited write access to active collaborators!



### Meetings of IAG JWG 2.1.1

Erstellt von Hartmut Wziontek, zuletzt aktualisiert vor etwa 3 Stunden • Lesedauer: 1 Minute(n)

Webmeeting 17. Februar 2026: Präsentation

IAG 2025 Rimini, Italy, 2

GGHS 2024 Thessalonik

IUGG 2023 Berlin, Ger

Web-Meeting 11. May

Web-Meeting 22. Febru

Name and Acronym 25.

Web-Meeting 18. Janua

Web-Meeting 20. Octol

Web-Meeting 17. Marc

EGU General Assembly

GGHS 2, Copenhagen, I

EGU General Assembly

EGU General Assembly

GGHS Thessaloniki, Gre

Vienna, Austria, 14-15

St. Petersburg, Russia, 2

### IGRF Workshop 2022

Erstellt von Hartmut Wziontek, zuletzt aktualisiert am Juni 17, 2026 • Lesedauer: 1 Minute(n)



## IGRF Workshop 2022

Leipzig, Germany, April 11-13 2022



| Time  |       | Monday, April 11, 2022     | Tuesday, April 12, 2022   | Wednesday, April 13, 2022 |
|-------|-------|----------------------------|---------------------------|---------------------------|
| from  | to    |                            |                           |                           |
| 09:00 | 10:30 | Arrival                    | City Tour                 | Session 1: Introduction   |
| 10:30 | 11:00 |                            | Coffee Break              | Coffee Break              |
| 11:00 | 12:00 |                            | Session 5: Time variable  | Final Discussion          |
| 12:00 | 13:00 |                            |                           |                           |
| 13:00 | 13:30 | Welcome                    | Lunch                     |                           |
| 13:30 | 14:00 | Session 1a: Infrastructure |                           |                           |
| 14:00 | 15:00 | Session 3: Monitoring      |                           |                           |
| 15:00 | 15:30 |                            | Coffee Break              |                           |
| 15:30 | 16:00 | Session 1b: Infrastructure | Coffee Break              |                           |
| 16:00 | 16:20 |                            |                           |                           |
| 16:20 | 17:00 | Coffee Break               | Session 4: Best Practices |                           |
| 17:00 | 17:20 |                            |                           |                           |
| 18:00 | 19:00 | Session 1c: Infrastructure |                           |                           |

Program schedule

# See you all in Herstmonceux!

