



JWG 2.1.1: Development of the International Terrestrial Gravity Reference Frame

Web-Meeting, 17.02.2026

Chair: Hartmut Wziontek, BKG (Germany)

Vice-chair: Sylvain Bonvalot, BGI (France)

Agenda

1. Minutes Meeting Rimini
2. ITGRF Workshop Program
3. ITGRF Wiki at BKG
4. Other business



ITGRF workshop



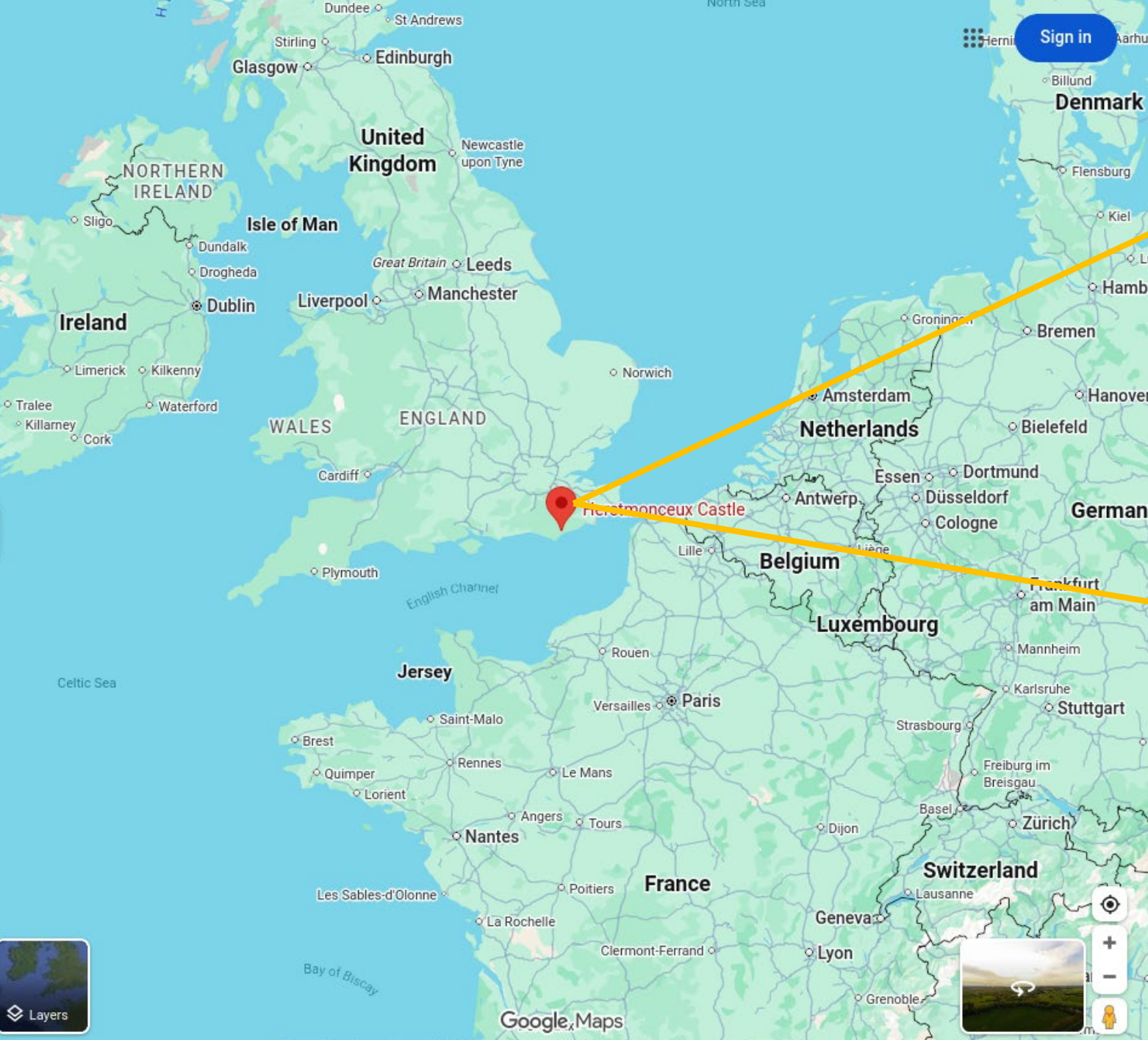
British
Geological
Survey

14 – 16 September 2026

Herstmonceux Castle, Hailsham, East Sussex, United Kingdom, BN27 1RN



- Local Organizing Committee: Victoria Smith (BGS)



Sign in



ITGRF workshop



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NERC Space Geodesy Facility



Providing Geodetic Measurements for 40 years:

Satellite Laser Ranging (SLR)

2 x GNSS Reference Sites

Absolute Gravimetry

Additional: Sun Photometer, Visiometer, Broadband Seismometer, Atmospheric Elastic LiDAR, SAR ground reflectors, Groundwater, Temperature, Pressure, Humidity, Soil moisture*, Rainfall*, Sun Flux*, anemometer*

Active Hydrogen MASER frequency

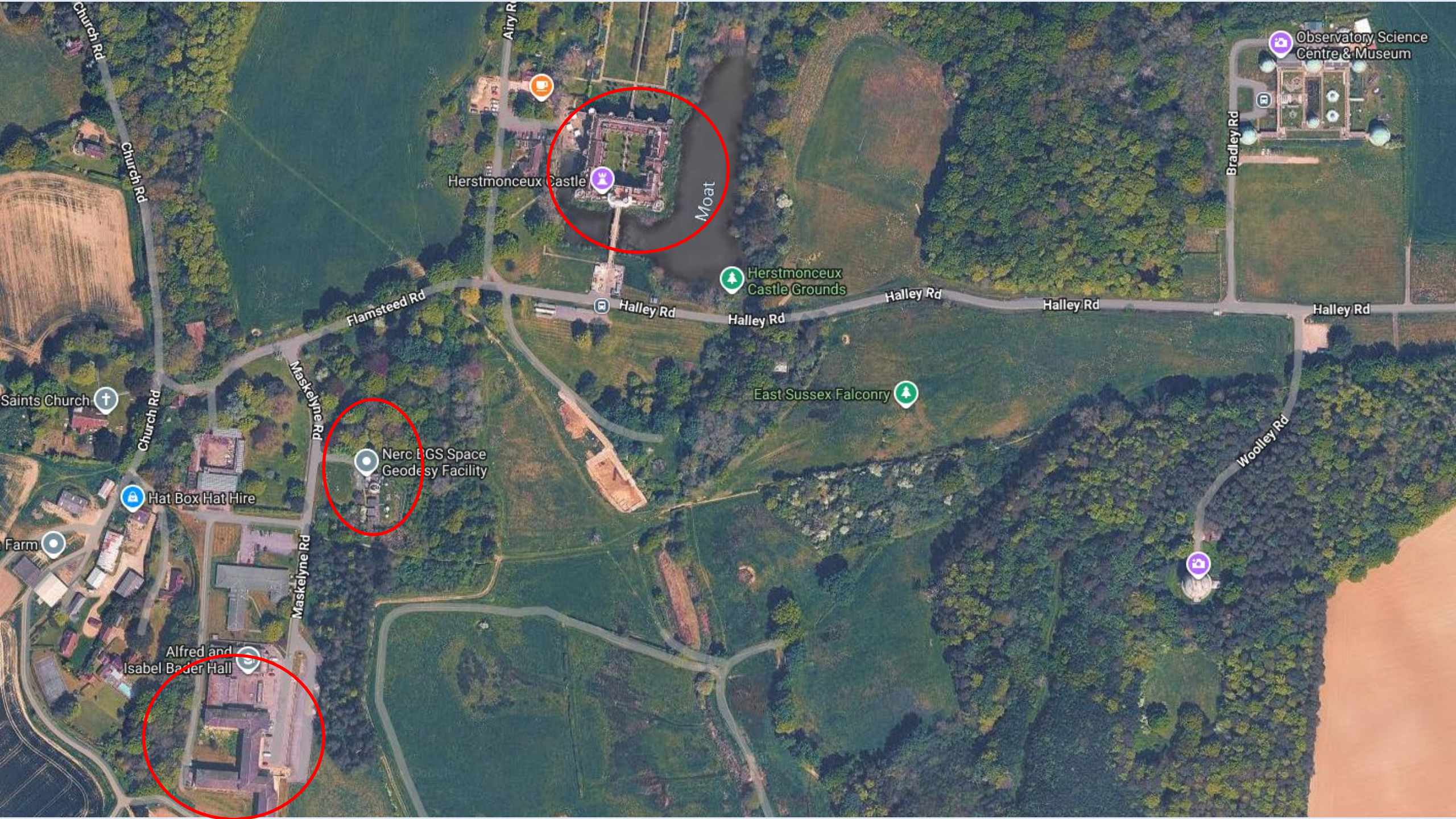
Hosts: UK GEONET GNSS Reference Station

Six Staff

* To be installed







Herstmonceux Castle

Moat

Herstmonceux
Castle Grounds

East Sussex Falconry

Nerc EGS Space
Geodesy Facility

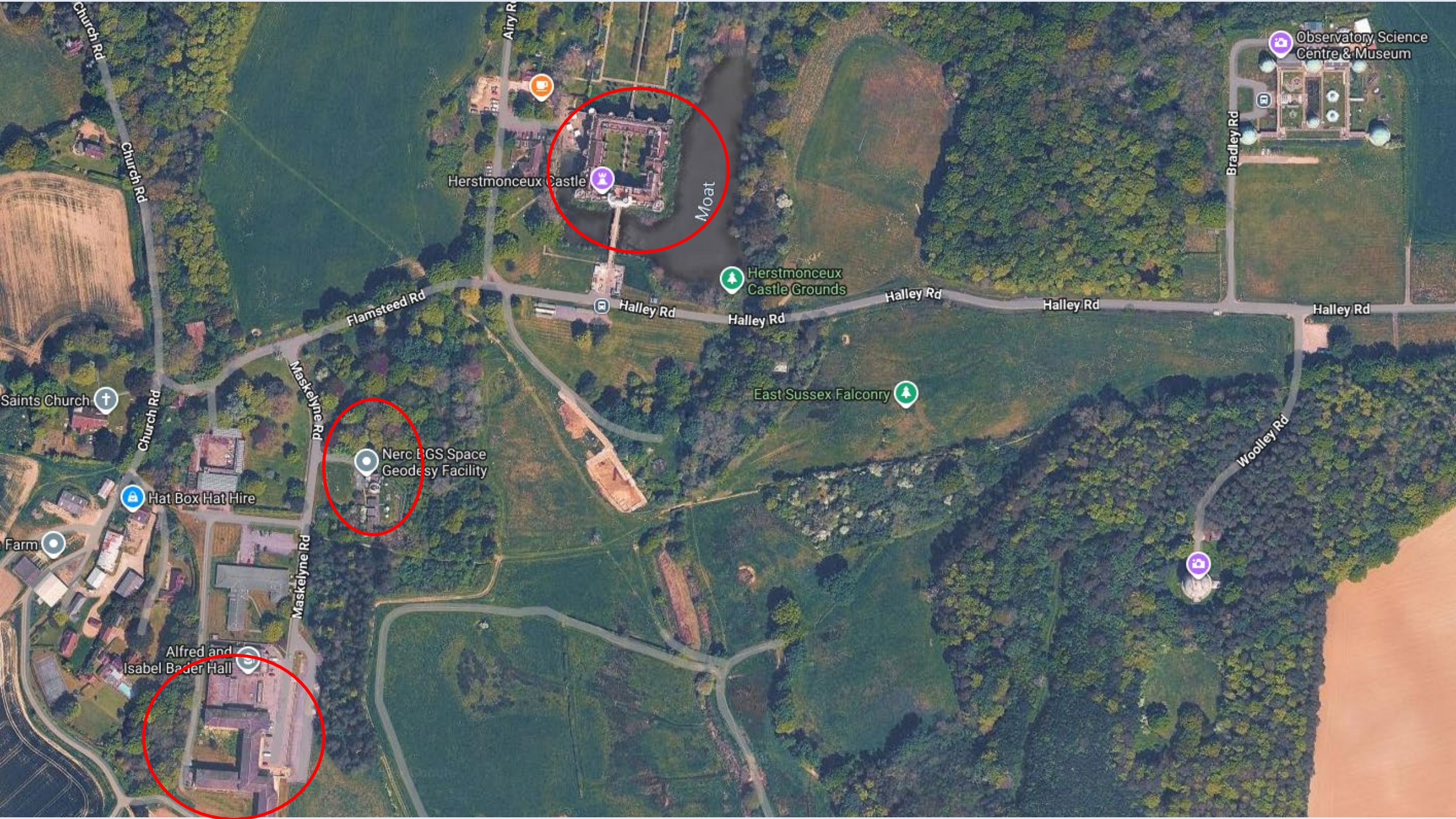
Observatory Science
Centre & Museum

Hat Box Hat Hire

Alfred and
Isabel Bader Hall

Saints Church

Farm



ITGRF workshop 2026

- A registration page will be opened by April.
 - A registration fee will:
 - guarantee accommodation availability (to be booked separately later)
 - cover catering costs (dinners excluded) Monday - Wednesday
- Accommodation on-site at Bader Hall
 - All rooms ensuite – options of single, double or suite
 - **Please DO NOT book a room yet!**
 - Hotels are available in Eastbourne but please be aware there is no public transport link to Herstmonceux Castle and a taxi cost ~£15 each way

Travel

- Directions on how to find the SGF/Herstmonceux Castle can be found
 - <http://sgf.rgo.ac.uk/directions.html>
 - Gatwick airport is closest and has a fast (for us!) train to POLEGATE railway station after which a taxi will be needed
 - Around 1.5 - 2 hours from the Le Shuttle (Folkestone)
 - Transport from Heathrow will require travel into London to either Polegate or Battle railway stations.



ITGRF workshop



British
Geological
Survey



IUGG



International Association
of Geodesy

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

- Establishment of the ITGRF:
Expand Reference/Comparison/Core stations
Site Requirements, Guidelines
Traceability of AG
- Requirement for an ITGRF Infrastructure:
Compatible National Gravity Networks
Stakeholders
- AGrav as inventory:
Quality check / approval process?
- Work plan / Milestones: next
- Perspectives: Operational Service?

Outcome:

- ITGRF Concept and Guidelines → Outline Publication

Provisional Programme Overview

Monday 14 September (12:00–17:00) – Seminar Room 1

Welcome and Status Reports

Monday evening (optional)

Tour/visit to the Space Geodesy Facility

Tuesday 15 September (09:00–17:00) – Seminar Room 1

Tour of Herstmonceux Castle

ITGRF Concepts and Infrastructure

Tuesday evening (optional)

Banquet in the Elizabethan Room of Herstmonceux Castle

Wednesday 16 September (09:00–13:00) – Seminar Room 1

Discussion and final wrap up

Workshop Program

	Monday	Tuesday	Wednesday
Morning		Concepts: Establishment ITGRF	Discussion and Summary: Concepts / Guidelines Outline Publication Future Plan / Milestone
Afternoon	Welcome Inventory / Status reports	Concepts: Infrastructure ITGRF, Database, Stakeholders	
Evening		Banquet	

Local organizing committee
Victoria Smith & BGS
vism@bgs.ac.uk

Program committee
H. Wziontek (BKG)
S. Bonvalot (BGI)

ITGRF Wiki

ITGRF Site requirements / recommendations

Document need to be developed:
Concept, Guidelines, Best practice guides,...

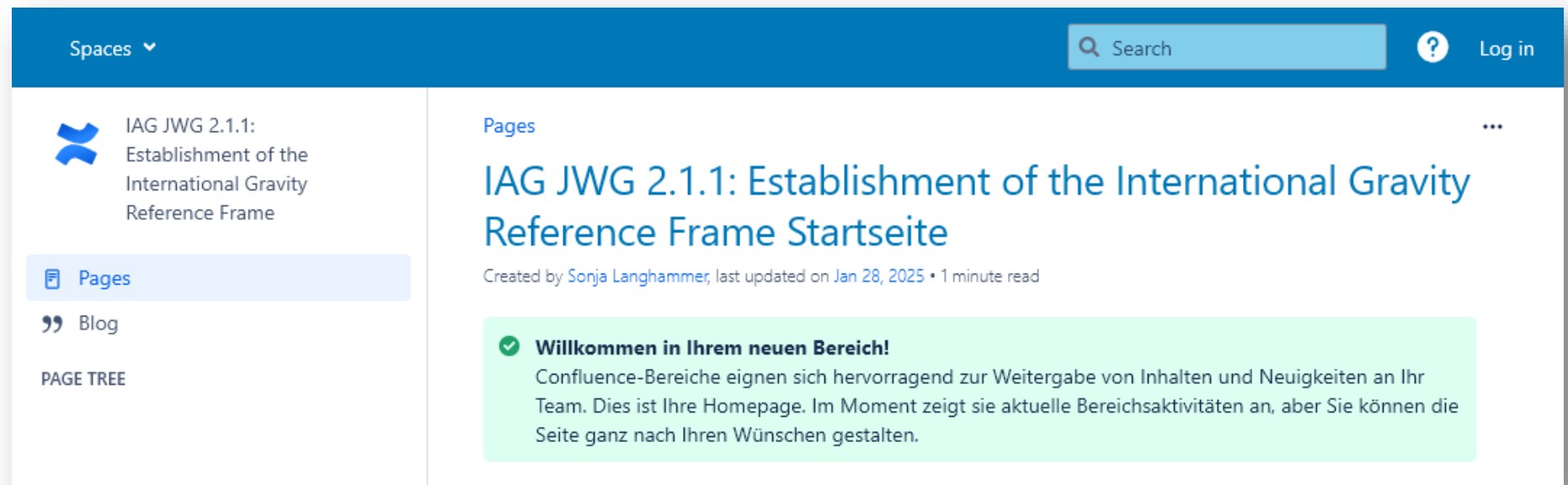
Feedback?

Contributors?

ITGRF Wiki



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



See you all in Herstmonceux!

