

## Open Day at IMS stations PS19 (GERES) and IS26 in the Bavarian Forest

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P5.3-655



POSTER





The Primary Seismic Array PS19 GERES and the Infrasound Array IS26 are located in the Bavarian Forest and are operated by the Federal Institute for Geosciences and Natural Resources (BGR).

From 2017 to 2019 extensive GERES refurbishment and recapitalization construction works were performed in the area which also had an impact for local population and tourists as cabling exchange disrupted hiking trails. After completion BGR organized an Open Day for the local population and tourists on 25 August 2019.

Besides the chance to see the station elements, a comprehensive exhibition with information kiosks about CTBT monitoring, seismicity, infrasound sources and many other topics BGR is engaged with was provided.

In front of the facility building a little folk festival with regional food and drinks as well as traditional brass music took place. During the day around 600 people visited the site at a remote place which seems kind of mysterious for the normal population. But after the open day they knew more about the purpose of the facility and the whole IMS and how monitoring works.

Parts of the exhibition were also shown several weeks later when Vienna based diplomats were invited to visit the station site and facilities.





Shuttle bus from the next village for those who did not hike or cycle up to the mountain

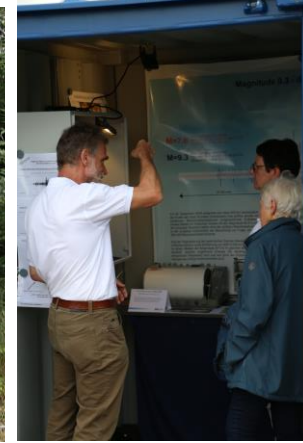


Food, beverages and tents were provided by the local grocery store.

After completion of the construction works during the basic modernization of the IMS stations PS19 / IS26 (see P4.4-134) the public was invited to an open day on August 25th, 2019

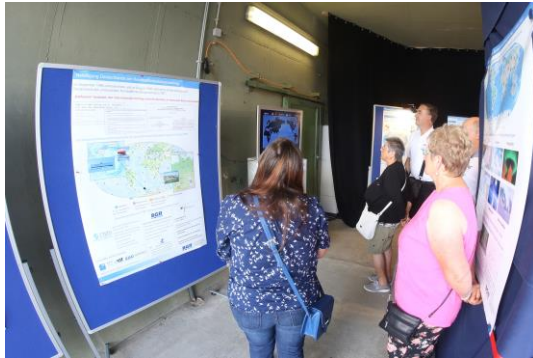


Central facility for IMS stations PS19/IS26 on the Sulzberg mountain peak (1146m a.s.l.) in the Bavarian Forest, Germany



Boxes of the temporary mobile station elements (see O4.4-135) were used as topical exhibition kiosks at the Open Day

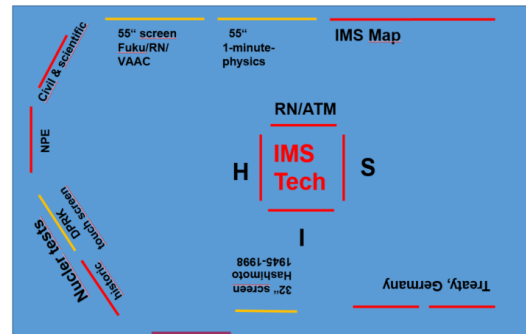




The whole garage of the central facility was dedicated to the CTBT and the IMS.

10 posters and 4 big screens have shown:

- The treaty and its implementation
- Historic testing  
(poster + video artwork 1945-1998 by Hashimoto)
- IMS network and monitoring principles  
(Huge IMS map + poster for each technology)
- DPRK nuclear tests, multi-technology analyses  
(interactive touch screen)
- NDC Preparedness Exercises (NPE)
- Civil & Scientific applications of IMS data





OSI



**Information about OSI and model inspection area on the ground**

Infrasound



**Atmospheric phenomena and sources**



**Exhibition with meteorites**

Station Elements



**Vaults to visit and central building**

Seismology/Earthquakes



Other BGR topics



**Aerogeophysics**



**Polar research**



**General information**



**Geology**





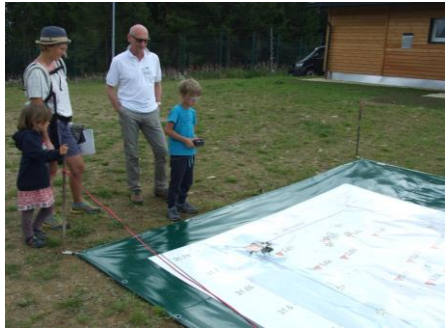
**Foggy pressure curl to microbarometer**



**Weight drop besides seismometer**



**Polar suit dress challenge**



**OSI initial overflight with RC helicopter**



**Seismic slip model**



**Geo quiz and station rallye**



**VR flight and 3D models**



**Sound of waves (explosions/earthquakes)**



**Sound of local Bavarian brass music**





**On Oct. 23rd 2019 Vienna based diplomats and PTS staff visited the station on invitation by the Permanent Mission of Germany.**

**After a short hike visiting an I26 station element a Bavarian lunch buffet was served at the station and CTBT relevant parts of the Open Day exhibition were presented.**

**After dinner and stay at a hotel they returned to Vienna in the morning next day.**





Around 700 visitors experienced a tour of a site and facilities that normally are closed to the public. Two months later ~40 diplomats and PTS representatives got an direct insight into an IMS facility.

The enormous effort to prepare and perform the open day logistics and exhibits also led to a positive internal team-building effect and improved exchange between BGR departments.

The successful 2019 open day and diplomatic visit encouraged the pursuit of additional outreach activities.

However, the size and extent of the 2019 PS19/IS26 open day will not be achieved again in the foreseeable future due to required resources.



**Very positive feedback from the visitors of the open day – most found it „interesting“**