



# EUREF National Report of Germany 2010

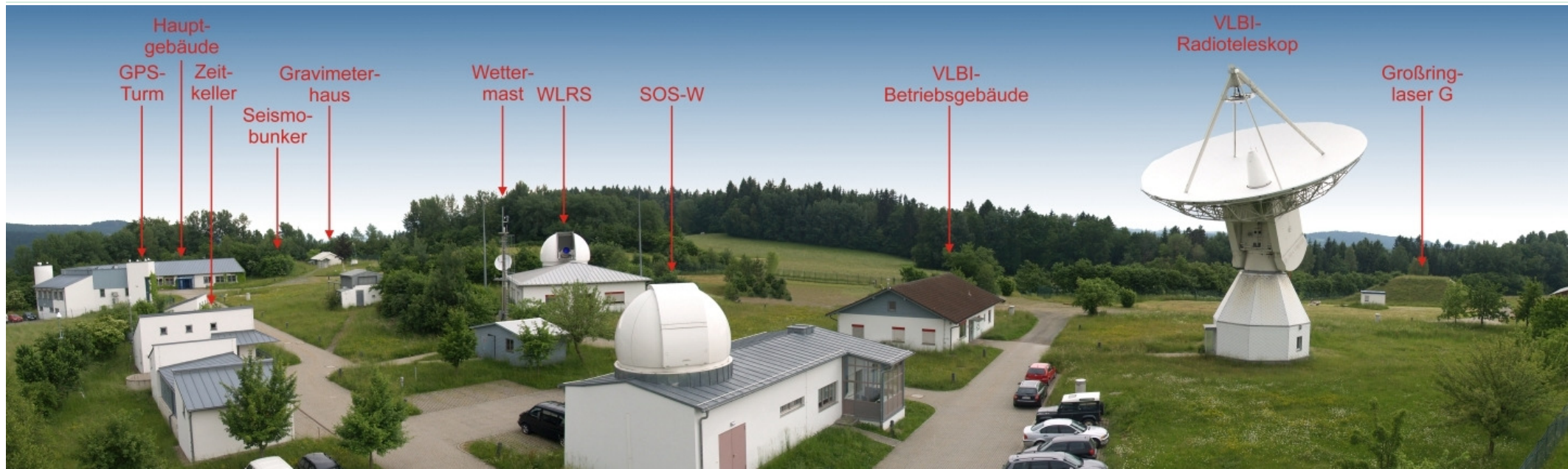
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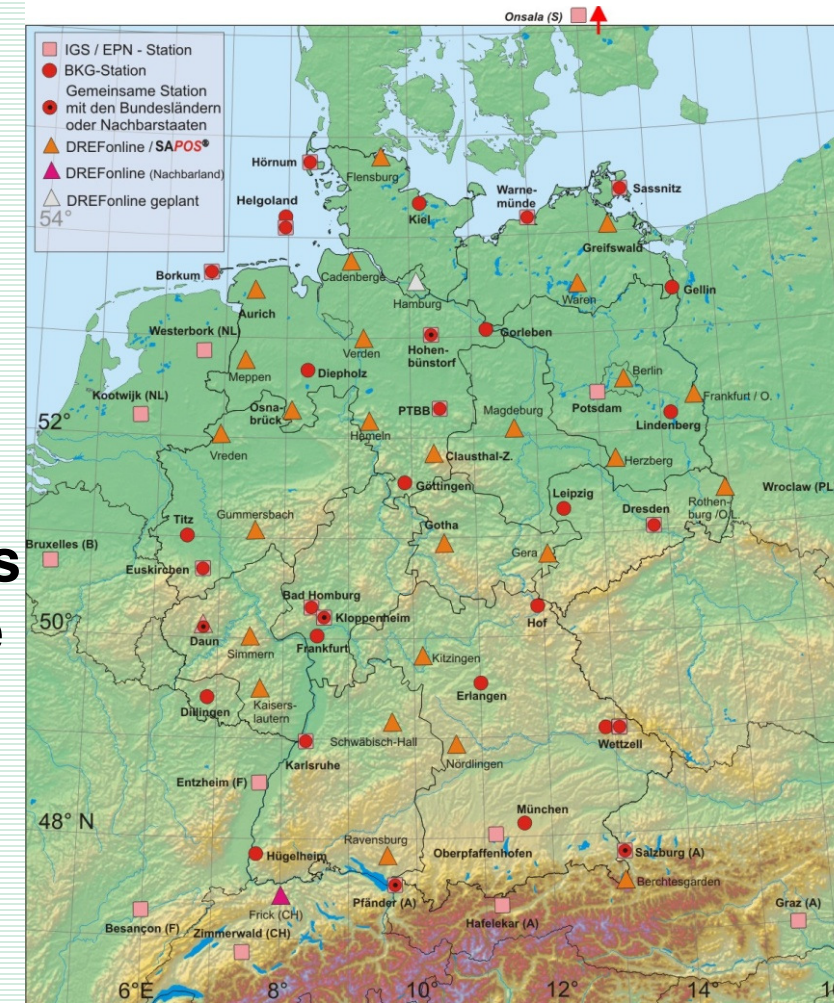
**EUREF Symposium 2010  
Gävle, June 2 - 4**

- The Geodetic Observatory Wettzell of the BKG is a principal cornerstone for the service of the International Association for Geodesy (IAG) and therefore also for the global, European and German reference systems for position, height and gravity.
- BKG is contributing with observations and solutions to the International VLBI Service (IVS) and the International Laser Ranging Service (ILRS)
- Since February 2009 BKG has been responsible for the development and implementation of the Global Geodetic Observing System (GGOS) portal.



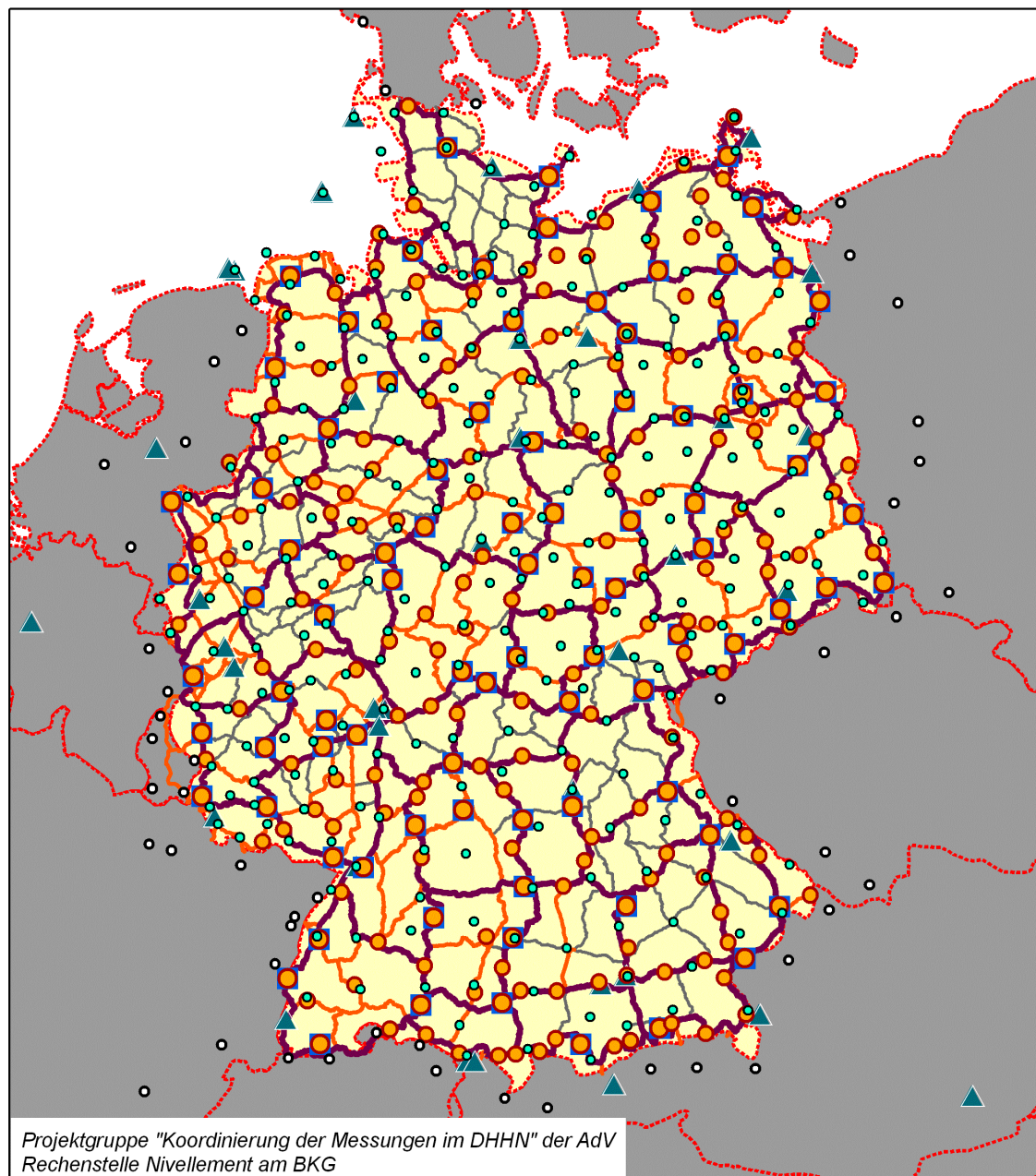
- At the 17<sup>th</sup> Meeting of the “Spatial Reference” Working Group 2009 the decision was taken to introduce DREF-Online as reference frame for the SAPOS<sup>®</sup>
- For the monitoring and determination of coordinates of the SAPOS<sup>®</sup> reference stations DREF-Online is recommended
- Daily network solutions are computed in the post-processing mode and provided as weekly combinations including coordinate time series
- BKG's GNSS Data Centre constitutes the principal focus of technical cooperation between BKG and the Länder,

## GNSS Analysis DREF-Online



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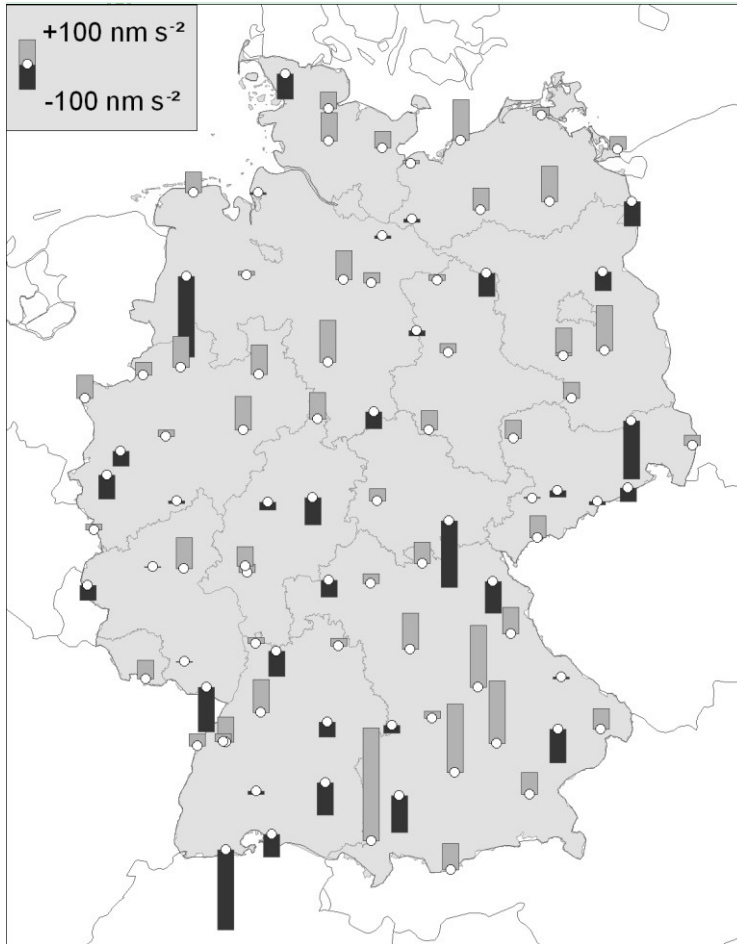


## German 1st Order Levelling Network

**Relevelling 2006 - 2011**  
**GNSS campaign 2x24h**  
**May/June 2008**  
**Absolut Gravity 2009 - 2010**

September 2008

●	GNSS-Station	<b>250</b>
■	GNSS+Absolutschwere	<b>100</b>
●	SAPOS-Station	<b>271</b>
○	Station benachbarter Positionierungsdienste	<b>50</b>
▲	IGS/EPN/GREF-Station	<b>40</b>
—	Pflichtlinien	
—	optionale Linien	
—	restliche Linien des DHHN92	



- **Distribution of the differences of the reprocessed A10 measurements referring to the values of the DHSN96**
- **The differences contain both the A10 measuring errors and errors occurred with the setup of the DHSN96 as well as temporal gravity changes**

**Survey of A10 observations 2009 within the frame of the renewal of the DHHN and additional measurements for individual Länder. The measurements planned for 2010 are also represented.**

