

Germany

Integrated Geodetic Spatial Reference

Professional understanding of official geodetic spatial reference in Germany has evolved consistently over past decades, with the “Repeated measurements in the German main height network (DHHN)” in particular contributing to new approaches.

Today Germany has established the integrated geodetic spatial reference as a holistic approach to the geometrically and physically defined components. AdV has placed this at the centre of its product view and definition for geodetic spatial reference. Special attention was also given to the quality assurance of the reference framework, which is realised by the unified field of geodetic control points.

The improvement in accuracy is an important step in the application of GNSS technology provided by the German satellite positioning service, SAPOS. Today SAPOS, which integrates ‘cm geoid GCG2016’, can be also used to determine normal height. The integrated geodetic spatial reference is considered a basic infrastructure and part of AdV’s legal remit.

