

# Albania

## Albania implements National Geodetic Reference Frame

Albania is one step closer to a national vertical reference system based on a local gravimetric geoid solution.

The project, being delivered by the State Authority for Geospatial Information (ASIG), is the first time gravimetric measurements have been realised in this way for geodetic purposes.

A complex campaign of relative gravimetric measurements was carried out, initially for 42 points, followed by a further 38 point and then 133 points. These investigations were carried out in combination with the physical construction of the GNSS network of 42 active and passive points, which includes 21 stations in the ALBCORS project. Another key achievement for ASIG was the installation of two Tide Gauge stations which marked the accomplishment of Tide Gauge Network. As a result, the Albanian coast now has four tide gauges (Sarandë, Orikum, Durrës, Gjengjin) that enables the monitoring of Adriatic and Ionian Sea.

ASIG also conducted a campaign of measurements for the magnetic components of the Magnetic Network (Epoch 2017.5, 11 Repeat Stations) based on European standards.

### Widening access and use of authoritative geospatial information

In its role of administrator for the national geoportal – <https://geoportal.asig.gov.al> – ASIG has increased the number of web mapping services (WMS) available to the public. The 191 WMS now also feature urban planning, the 3-dimensional field model of 2015 and historical maps (1935-1990). In addition, the integration of the national Web-GIS systems enables the display of live data for cultural monuments and the immovable property registration system.

These developments fulfil ASIG's objective of widening access and use of geo-information, with the national geoportal receiving around 1,000 visits a day and the number of registered Government users reaching 600.

### Drafting standards

ASIG is responsible for drafting national standards for geoinformation. In 2018, themes for Land Cover, Natural Risk Zones, Population Distribution, Sea Regions, Statistical Units, Mineral Resources, Energy Resources; Utility and Government Services were drafted based on the standards of the INSPIRE Directive.

