

Albania

Albania improves geodata with new GNSS network

Albania is improving geodata by launching a new Global Navigation Satellite System (GNSS) which provides the basis of its unique three-dimensional point coordinates.

With technical specifications developed by the State Authority for Geospatial Information (ASIG), the cutting-edge infrastructure of the ALBCORS network ensures the accuracy, integrity, continuity and availability of reliable positioning.

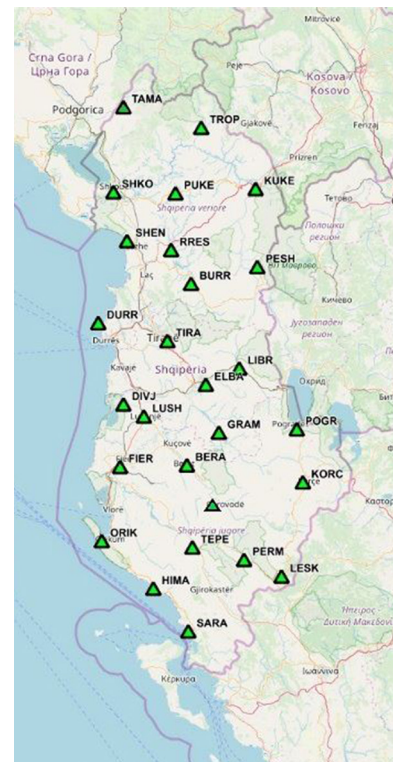
By enabling the implementation and maintenance of European Geodetic Reference according to the INSPIRE Directive, it provides the basis for improving the basic reference used by all public and private institutions to support geodetic works, topographic and cadastral maps, and scientific research in earth dynamics. It also offers an online service and enables GNSS data exchange collaboration with neighbouring countries.

The ALBCORS system consists of 27 active stations, six of which are integrated from the previous ALBPOS system. To guarantee network

sustainability and quality coverage throughout Albania, each station is positioned no more than 35 km apart. This facilitates the efficient and effective acquisition and distribution of GNSS data to meet the needs of users.

As a result, ALBCORS improves the coordinate assignment methodology using contemporary technologies and programs for coordinate measurements and calculations using differential and post-processed (or static measurements). High millimeter precision levels in plan and height are achieved through Real Time Kinematic (RTK) methods. For the management of the entire system and its operation, the software installed in the control center is GEO ++.

The network was built with Albanian Government funding according to European standards (Eupos).



ACTIVE GNSS NETWORK ALBCORS

