In this presentation we discuss future, need and structure of the European Combined Geodetic Network ECGN. It combines the integration of time series of spatial/geometric observations with GNSS technique, and physical quantities with gravity field related observations and parameters including precise levelling, tide gauge records, gravity observations, and earth and ocean tides. The objective of ECGN as an integrated European Reference System for Spatial Reference and Gravity is the maintenance of the terrestrial reference system with long-term stability for European continent.

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