

Working Group D The Africa Reference Frame Project – AFREF

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International Committee on GNSS
Pasadena, California
10 December 2008

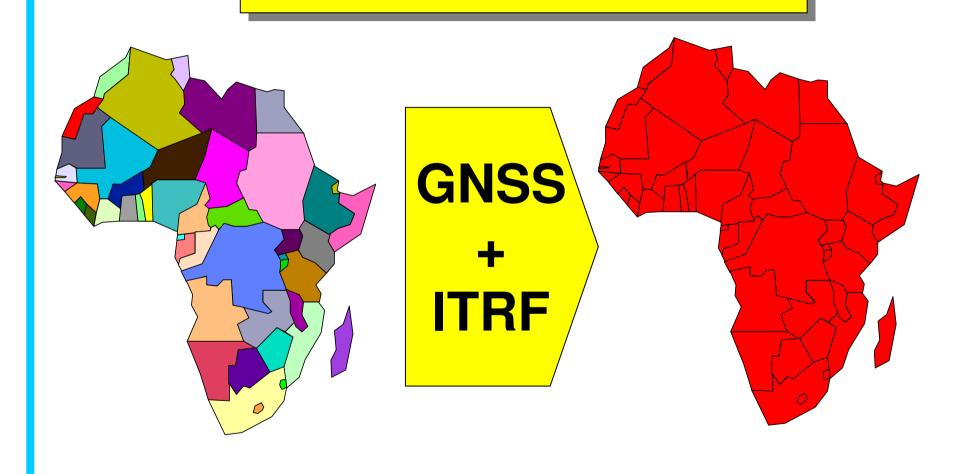


Background

- Over 50 countries in Africa each with their own geodetic reference system and frame and some with 2 or more systems.
- Two of the objectives of AFREF are
 - To determine a continental reference system for Africa consistent and homogeneous with the global reference frame of the ITRF as a basis for national 3-d reference networks.
 - To establish continuous, permanent GNSS base stations at a spacing such that the users will be within 1000km of a base station and that data is freely available to all nations.

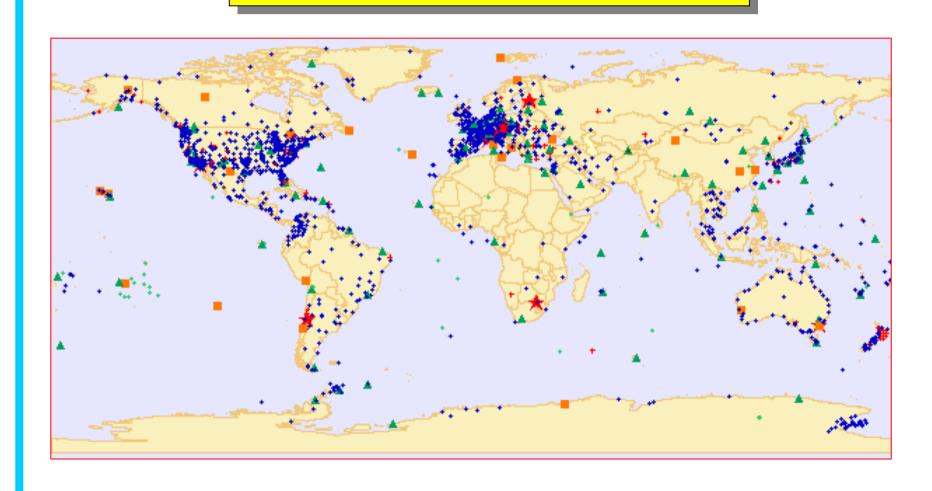


Unification Through GNSS & ITRF





Global Distribution of IGS Stations





Situation in Africa

GPS, GLONASS, SLR, VLBI, AND DORIS SITES IN AFRICA

