

7th United Nations Regional Cartographic Conference for the Americas
New York, 22-26 January, 2001

The Conference,

Recognizing the importance of high quality tri-dimensional position data referred to a unique global geodetic reference system for spatial data infrastructure;

Noting that there are large differences between existing national geodetic datums;

Considering the achievements obtained by the South American Geocentric Reference System (SIRGAS) Project with respect to a unified geodetic datum;

Bearing in mind that the SIRGAS reference frame is based on the International Terrestrial Reference Frame (ITRF), and noting that the World Geodetic System of 1984 (WGS84) is practically identical to ITRF;

Also bearing in mind that SIRGAS is supporting the participating countries in terms of knowledge transfer and training,

Recommends that the member countries of the Americas integrate their national geodetic reference systems into a reference system compatible with SIRGAS;

Also recommends that the member countries of the Americas provide to SIRGAS gravity data for computation of the geoid as the reference surface of the vertical (height) system;

Further recommends that the member countries of the Americas correct their leveling by gravimetric observations in order to compute geopotential numbers and connect the leveling networks with neighboring countries, making all these information available to SIRGAS.