



Technical Seminar on Reference Frames in Practice:

Progress and Challenges in the Americas Region

02 December 2021

1800-2000 UTC

Concept Note

Introduction

1. The International Federation of Surveyors (FIG) is the premier international organization representing the interests of surveyors worldwide. It is a federation of the national member associations and covers the whole range of professional fields within the global surveying, geomatics, geodesy and geo-information community. It provides an international forum for discussion and development aiming to promote professional practice and standards.
2. SIRGAS is the Geodetic Reference System for the Americas. Its definition corresponds to the International Terrestrial Reference System (ITRS) and it is realized by a regional densification of the International Terrestrial Reference Frame (ITRF) in the Americas. Besides the geometrical reference system, SIRGAS includes the definition and realization of a vertical reference system, based on ellipsoidal heights as geometrical component and geopotential numbers (referred to a global conventional W_0 value) as physical component.
3. The RFIP Seminars are intended as a means to educate surveyors and other affiliated professions regarding the definition, maintenance and access to geometric and vertical reference frames, and their use and applications of GNSS for access. Additionally, appropriate standards, technology and tools are covered all as a part of education, training and capacity development.

Objective

4. While abbreviated in format, this seminar is intended to provide an overview of these topics in a virtual setting. To strengthen the advocacy and deliberation skills for geospatial experts and surveying professionals to effectively represent and communicate their positions

and requirements to SIRGAS as a scientific body, the FIG as a professional organization and other professional fora. The focus will be on the surveying/geodetic/mapping needs from perspective of surveyor/practioner

Target Audience

5. Surveyors, GIS professionals, and other technical and professional representatives of Americas region.

Format

6. This side event will be hosted via the GoToWebinar platform for a duration of two hours (1800-2000 UTC). It will comprise a series of presentations, a breakout groups exercise, panel discussion session, open discussion and closing remarks. The event will be conducted in English with Spanish translation on an ad hoc basis.

Convenors

FIG Commission 5:

Dr. Daniel Roman (Chair)

Dr. Kevin Ahlgren (Vice-Chair-Administration)

Mr. David Avalos (Vice-Chair Vertical Reference Frames)

SIRGAS:

Dr. Demian Gomez (President WG II)

Dr. Dana Caccamise (U.S. rep. To WG II)

Registration URL <https://attendee.gotowebinar.com/register/8207982263965818379>

Webinar ID 771-993-987

Times (UTC)	Discussion Area	Presenters
1800-1805	Welcome and Opening Remarks	Dr. Daniel Roman
1805-1820	FIG Overview	Dr. Daniel Roman Mr. David Avalos
1820-1830	SIRGAS Overview	Dr. Demian Gomez
	Participant Briefs	
1830-1840	Bolivia: National Perspective	Dr. Arturo Echalar
1840-1850	Canada: Canadian Institute of Geomatics	Dr. Mir Abolfazl Mostafavi
1850-1900	French Guiana: Ordre des Géomètres-Experts	M. Paul Chambon
1900-1910	Jamaica: Land Surveyors Association of Jamaica	Mr. Christopher Grant
1910-1920	Trinidad and Tobago: Institute of Surveyors of Trinidad and Tobago	Dr. Dexter Davis
1920-1940	Discussion	All Participants
1940-1950	Future Seminars	Dr. Daniel Roman
1950-2000	Closing Remarks	Dr. Demian Gomez Dr. Daniel Roman