

## **CGU\_G\_04: North American Reference Frame Workshop**

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### **Workshop Description**

The Geodesy Section of the Canadian Geophysical Union is hosting a half-day workshop of the IAG Regional Subcommittee 1.3c: Regional Reference Frames for North America. The Canadian Geodetic Survey of Natural Resources Canada and the US National Geodetic Survey of the National Oceanic and Atmospheric Administration will co-chair the meeting. SC 1.3c provides international focus and cooperation for issues involving the geodetic reference frames of North America, including the Caribbean and Greenland (Denmark). There are three working groups within SC 1.3c: WG1 – North American Reference Frame Densification (NAREF); WG2 – Plate-Fixed North American Reference Frame; and WG3 – Reference Frame Transformations in North America. Representatives from governments in North America, Central America and the Caribbean regions, as well as academic institutions and private industry are invited to contribute their expertise and feedback or simply listen to current progress with respect to the realization, implementation and maintenance of current and future North American reference frames. The workshop will focus mainly on the collaborative development of new regional reference frames for North America, the Caribbean and United States territories in the Pacific. These frames are expected to be based on a densification of the ITRF and fixed to the different tectonic plates in each region. The United States plans to replace NAD83 with the new reference frames in 2022. Although Canada has no current plans to replace NAD83, it will make coordinates of Canadian stations available in the new North American reference frame along with those in NAD83 and ITRF. The intent of this collaborative effort is to ensure consistency in the reference frames for all countries throughout the region. If interested in participating, please submit an abstract that simply states you intend to participate in the Workshop.

**Primary Affiliation:** CGU, Geodesy

**Joint Session Submission:** none