

International Association of Geodesy - Sub-Commission 3.4: Cryospheric Deformation (joint with IACS)

IAG co-Chair: Jeff Freymueller (USA)

IACS co-chair: Bert Wouters (Netherlands)

Vice-Chair: Natalya Gomez (Canada)

Annual Report for 2020 to IACS

Thus far, most of our activities have been carried out in cooperation with other groups having similar goals. In addition, the pandemic has hampered many of our plans, including the organization of workshops. As a result, the main activity completed so far is the organization of a virtual seminar series jointly with colleagues representing the World Climate Research Program (WCRP) and measurements of Paleo Sea-level (PALSEA). This monthly seminar series has drawn over 100 participants worldwide to each seminar so far, with two more set to run this summer. The series is designed to lead up to an upcoming PALSEA workshop in September (<https://palseagroup.weebly.com/2021-meeting.html>), which aims to bring empiricists and modelers from the sea level and ice sheet communities together in order to unify solid Earth deformation and ice sheet evolution across time and spatial scales. The interest in the seminar series has been strong enough that we plan to resume it in the fall/winter.

Other activities in 2021:

- IAG Scientific Assembly 2021:
 - Sessions 3.2: Observations and modeling of deformation related to changing ice
Session conveners: Jeff Freymueller, Natalya Gomez, Rebekka Steffen, Erik Ivins, Bert Wouters and Hansheng Wang
Abstracts submitted: 12
This session was organized together with JSG3-1.
 - Session 2b.3: Cryospheric changes from gravity data
Session Conveners: Andreas Groh, Isabella Velicogna, Bert Wouters, Jiangjun Ran
Abstracts submitted: 16
This session was organized together with the IAG Inter-Commission Committee on "Geodesy for Climate Research" (ICCC)

- EGU General Assembly 2021 (vEGU21):
 - Session 3.1: Geodesy for Climate Change
Session conveners: Roelof Rietbroek, Carmen Boening, Henryk Dobslaw, Anna Klos, Bert Wouters
Abstracts submitted: 16
This session was organized together with the IAG Inter-Commission Committee on "Geodesy for Climate Research" (ICCC)