



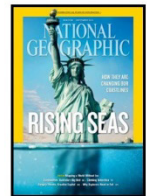
Summary report for the Association of Early Career Scientists (APECS): INSTANT kick-off workshop

The new Scientific Committee on Antarctic Research (SCAR) Scientific Research Programme INSTabilities & Thresholds in ANTArctica (INSTANT) had its kick-off workshop between 15 and 17 February 2021. The workshop was online, based on zoom. For three days, about 150 participants from over 41 countries kept a very active discussion on the future development of this multidisciplinary program. Ambitious as it is, the main aim of INSTANT is to address the question of *Antarctica's uncertain contribution to sea-level change*. The multidisciplinary approach of INSTANT combine geoscience, physical sciences and biological sciences to improve understanding of the interactions between the ocean, atmosphere, solid Earth and the Antarctic ice sheets. INSTANT targets the poorly understood processes and feedback that influenced ice-sheets in the past, are influencing observed ice sheet changes, and will influence Antarctica's contribution to future global sea-level change. The key outcomes will be reconstructions of past and projections of future ice mass changes, with reduced uncertainties due to an improved knowledge of instabilities and thresholds (INSTANT science and implementation plan: <https://www.scar.org/science/instant/about/>). Such a large programme is structured in four themes:

- Atmosphere-Ice Interactions
- Ocean-Ice Interactions
- Earth-Ice Interactions
- Integration Theme - Antarctica's contribution to sea-level change



INSTABILITIES & THRESHOLDS IN ANTARCTICA (INSTANT)



The Antarctic Contribution to Sea-Level Change

INSTANT kick-off workshop: 15-17 February 2021

Each theme was well represented in the kick-off workshop. The theme leadership is still to-be-determined, but the community made clear that early career researchers (ECRs) should be part of the themes leadership. In addition, INSTANT has an APECS representative in the steering committee. A large group of ECRs attended the workshop and expressed their willing to form a network to discuss further opportunities of leadership, mentorship, training, conference attendance, etc. The INSTANT-ECRs network, as well as the program sub-committees are currently under-construction. Stay tuned for news and opportunities on the INSTANT-ECRs network and the full INSTANT programme!

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