



Investigating subduction processes at the Hikurangi margin, New Zealand

Kimpton Hotel Monaco | 700 F Street NW, Washington, DC 20004 | Athens Room
Sunday December 9, 2018, 1:00 PM – 5:30 PM

Conveners

Laura Wallace (GNS Science, New Zealand, Univ. Texas Institute for Geophysics), Dan Bassett (GNS Science, New Zealand), Heather Savage (Lamont Doherty Earth Observatory, Columbia University), Samer Naif (Lamont Doherty Earth Observatory, Columbia University), Shuo Shuo Han (Univ. Texas Institute for Geophysics), Patrick Fulton (Texas A&M University)

Agenda

1:15 PM | Welcome & Introductory Remarks – *GeoPRISMS Chair Demian Saffer*

Session 1 – Integrating observations from an unprecedented summer research at Hikurangi

1:20 – 1:35 | Paleoseismic constraints on past earthquake behaviour – *Jamie Howarth*

1:35 – 1:50 | Summary of IODP Exp 372/375 – *Demian Saffer*

1:50 – 2:05 | Summary of NZ3D – *Nathan Bangs (MCS) and Ryuta Arai and Becky Bell (wide-angle)*

2:05 – 2:20 | Summary of SHIRE – *Harm van Avendonk (offshore) and Stuart Henrys (onshore)*

2:20 – 2:35 | Parallels between Alaska and the Hikurangi margin, and synergies with activities at the Alaska Primary Site – *Donna Shillington*

2:35 – 3:15 | Discussion of implications for the physical controls on subduction processes – Structure around SCD key questions, processes or domains (e:g: incoming plate, forearc, megathrust)

3:15 – 3:30 | Coffee break

Session 2 – Future plans

3:30 – 3:45 | Seafloor Observatory installation and plans for ongoing seafloor geodesy and seismology – *Laura Wallace*

3:45 – 4:00 | SAFFRONZ project and the interplay between hydrogeology and slow slip – *Evan Solomon*

4:00 – 4:15 | CSEM and MT as a window into hydrogeology – *Samer Naif (offshore) and Wiebke Heise (onshore)*

4:15 – 4:35 | Space for 2 minute (1 slide) pop-up talks summarizing other synergistic activities

4:35 – 5:15 | Open Discussion

– What gaps in data/knowledge remain? What additional work needs to be done?