

Scientific Exploration of the Arctic and North Pacific (SEA-NorP) – IODP Workshop

AGENDA – updated SEPTEMBER 18

Sept 24 - Pre-Workshop Session: The Ins and Outs of Ocean Drilling for New Investigators

6:30-8:00 pm	Evening Session: Demystifying the IODP proposal process for early career investigators and those new to IODP – <i>Lindsay Worthington, Bernie Coakley, Kristen St. John, Harold Tobin, Sean Gulick</i>
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Sept 25 - Burning Questions and the Past, Present and Future of Drilling in the Region

7:00-8:00 am	Registration, Talk Preparation, Coffee
8:15-8:30 am	Plenary: Introduction to the Workshop <ul style="list-style-type: none"> Why now? Background/History/Goals/Outcomes – <i>Lindsay Worthington</i>
8:30-10:00 am	Plenary: Burning Questions Across the Science Themes in the Region I (<i>Lindsay Worthington</i>) <ul style="list-style-type: none"> Understanding Arctic Amplification: the need for Paleoclimatology over all timescales – <i>Tom Cronin</i> Burning questions about arc volcanism in the North Pacific that can be addressed by drilling - <i>Jess Larsen</i> Drilling Faults To Figure Out Earthquakes – <i>Heather Savage</i> New Paleomagnetic Observations and Stratigraphic Opportunities for the NE Pacific - <i>Joe Stoner</i>
10:00-10:30 am	Coffee Break
10:30-10:50 am	Plenary: Burning Questions Across Science Themes in the Region II <ul style="list-style-type: none"> Summary of scientific objectives and hypotheses provided by workshop applicants and white papers – <i>Kristen St. John</i>
11:00-12:30 pm	Thematic Breakout Session - 3 groups based on science themes: (Climate (ice, ocean), Volcanoes/Earth Connections, Hazards/Earth in Motion)
12:30-1:30 pm	Lunch
1:30-2:30 pm	Plenary: Scientific Ocean Drilling in NPac/Arctic - Past/Present/Future I (<i>Kristen St. John</i>) <ul style="list-style-type: none"> Bering Sea - <i>Christina Ravelo</i> Western Arctic paleoceanography: scientific drilling prospects and challenges - <i>Leonid Polyak</i> North Pacific – <i>Maureen Walczak</i>
2:30-3:30 pm	Regional Breakout Session I - 3 groups based on subregions (North Pacific; Arctic; Bering)
3:30-4:00 pm	Coffee Break
4:00-4:30 pm	Plenary: Breakout group reports and discussion - <i>Science Steering Committee</i>

4:30-5:30 pm	<p>Plenary: Scientific Ocean Drilling in NPac/Arctic - Past/Present/Future II (<i>Jule Mueller</i>)</p> <ul style="list-style-type: none"> • Early diagenesis in (sub-) Arctic sediments – Curse or blessing? - <i>Christian Maerz</i> • The Subarctic Pacific and its marginal seas: connecting polar and lower latitudes by circulation, land-ocean links and the carbon cycle - <i>Lester Lembke-Jene</i> • A North Pacific Treasure Map: Sea Ice Leaves Its Mark - <i>Beth Caissie</i> • Plio-Pleistocene Stability of the Bering Strait Gateway and Interhemispheric polar teleconnections - <i>Julie Brigham-Grette</i> • Future scientific challenges from borehole core and cuttings to advance understanding of seismogenic subduction zone: an example from NantroSEIZE project - <i>Rina Fukuchi</i>
5:30-8:30 pm	Ice Breaker and Dinner

Sept 26 – Drilling, Instrumentation and Regional Priorities

8:00-8:15 am	Plenary: Welcome and brief summary from previous day – <i>Bernie Coakley</i>
8:15 - 9:00 am	<p>Plenary: IODP Drilling and Instrumentation (<i>Bernie Coakley</i>)</p> <ul style="list-style-type: none"> • JOIDES Resolution capabilities and plans – <i>Laurel Childress</i> • Review of IODP proposal system and site selection criteria – <i>Sean Gulick</i>
9:00 – 9:45 am	<p>Plenary: New opportunities, long term initiatives, existing site data (<i>Bernie Coakley</i>)</p> <ul style="list-style-type: none"> • Canada Basin north of Alaska: Frontier Scientific Opportunities - <i>Debbie Hutchinson</i> • Understanding megathrust earthquake hazards along the southern Alaska margin through scientific drilling - <i>Peter Haeussler</i> • Exploring the Interplay Between Tectonics, Fluids, and Sedimentary Processes Along The Queen Charlotte Transform Boundary - <i>Danny Brothers</i>
9:45 - 10:15 am	Coffee break
10:15 – 11:30 am	<p>Plenary: Key hypotheses and new directions (<i>Matthias Forwick</i>)</p> <ul style="list-style-type: none"> • Drilling locked and creeping subduction segments offshore Alaska - <i>Anne Becel</i> • Pleistocene–Holocene sediment routing to the Beringian Margin - <i>Matt Malkowski</i> • Sediment microbial geochemical cycling and biosignatures - <i>Jesse Colangelo</i> • Arctic Ocean glaciation during the late Pleistocene: what can we learn from combining terrestrial and off-shore sediment records? - <i>Louise Farquharson</i>

	<ul style="list-style-type: none"> ● Volatile cycling the Alaskan Peninsula across variations of the incoming plate - <i>Philipp Ruprecht</i> ● Aleutian arc initiation, migration, and evolution - <i>Brian Jicha</i> ● Subducting Sediments and Ice Sheet Inception: Application of Cosmogenic Isotopes to Marine and Terrestrial Records - <i>Shaun Marcott</i>
11:30 - 12:30 pm	Lunch
12:30 - 2:00 pm	Regional Breakout Session II - 4 groups based on subregions (e.g., NE Pac; Arctic/Bering)
2:00 - 2:30 pm	Coffee Break
2:30 - 3:00 pm	Plenary: Breakout group reports highlighting top priorities – <i>Regional Breakout Leaders</i>
3:00 - 5:30 pm	Project Breakout Session I - Nurturing new and existing proposals - groups based on subregions (logical follow on from previous breakout)
5:30 - 7:00 pm	Dinner
7:00 - 8:30 pm	Project Breakout Session II - Nurturing new and existing proposals

Sept 27 - Summary and the Charge Ahead

8:00 - 8:15 am	Welcome and brief summary from previous day – <i>Jule Mueller</i>
8:15 - 9:15 am	Project Breakout Session III – Nurturing new and existing proposals
9:15 - 9:30 am	Coffee Break
9:30 - 10:15 am	Plenary: Final community discussion on proposal priority, submission timeline, identifying proposal leads, new data needs – <i>Conveners</i>
10:15 - 10:30 am	Plenary: Closing of workshop and farewell to participants – <i>Lindsay Worthington</i>