**PICES WG-40 - CLIVAR Pacific Region Panel joint meeting**

**Upper Pavilion, Victoria Conference Center, Victoria, BC**

**Sunday, October 20, 2019**

**09:00 – 17:00**

**Aim**

*The aim of this meeting is to synthetize our current state of knowledge on the sources of predictability arising from the large-scale climate for marine ecosystems, or their physical drivers, along the coasts of the North Pacific rim. During the meeting we aim to compare and contrast the sources of predictability on the two sides of the Pacific, identify the most effective mechanisms leading to predictability, and gain insights from research in other parts of the World Ocean.*

**Agenda**

09:00-10:20 WG-40 Business Meeting

* Update from ICES WGS2D and collaboration possibilities
* Update on WG40 intersessional meeting and special issue
* Planning for sessions/workshops at PICES 2020

10:20-10:30 Welcome and Introduction of participants

10:30-10:50 Motivation and development of WG-40 (Emanuele Di Lorenzo)

10:50-11:10 Mechanisms of predictability in the eastern North Pacific (Mike Jacox)

11:10-11:30 Mechanisms of predictability in the western North Pacific (Shoshiro Minobe)

11:30-11:50 Forecasting with Empirical Models: How important is ENSO for US West Coast warming? (Antonietta Capotondi)

11:50-12:10 Forecasting with Empirical Models: Toward a unified platform for assessing predictability along the eastern and western Pacific coastlines (Tongtong Xu)

12:10-12:30 Discussion

12:30-14:00 Lunch

14:00-14:20 Forecasting with Numerical Models: Ocean and Climate prediction efforts in the eastern Pacific (Fangli Qiao)

14:20-14:40 Predicting interannual anomalies in biogeochemical conditions in the California Current (Ryan Rykaczewski)

14:40-15:00 AMO Induced Multidecadal Variability in the Western Pacific Ocean (Xiaopei Lin)

15:00-15:20 Use of Machine Learning techniques in forecasting applications: Successes in ENSO predictions (Jing-Jia Luo)

15:20-15:35 Coffee Break

15:35-15:55 The North Pacific pacemaker effect on ENSO and its Mechanisms (Yu Kosaka)

15:55-16:15 Mechanisms of Marine Heat Waves in the Tasman Sea in the Presence of Global Warming (Xuebin Zhang)

16:15-16:35 Mechanisms driving the projected weakening of summer primary productivity of the Arabian Sea under climate change: New insights from CMIP5 (Matthieu Lengaigne)

16:35-17:00 Discussion