



CALL FOR APPLICATIONS

PICES Virtual Summer School – Ocean Big Data 8-19 August 2022

The PICES Advisory Panel on North Pacific Coastal Ocean Observing Systems (AP-NPCOOS) invites applications for the 2022 **PICES Virtual Summer School on Ocean Big Data**. This training activity is aimed at early career ocean professionals, from advanced graduate students to researchers in their first professional appointments. Participants will learn skills and gain hands-on experience in the identification of trends, events and features in large oceanographic time-series datasets, including hydrographic, HF Radar and fisheries acoustics data. These datasets are increasingly recognized for their value in establishing baselines for detecting climate change and other anthropogenic impacts on oceanographic conditions and marine resources. Participants will be provided with online access to time-series datasets provided by instructors from Japan, Korea, Canada and the USA, in a Jupyter Notebooks environment, together with appropriate statistical tools for identifying trends and events in the data. The Ocean Big Data Virtual Summer School will be hosted by Ocean Networks Canada, host of the successful 2018 PICES Summer School. Enrolment will be limited to 30 participants.

Virtual Summer School activities will include:

- Pre-recorded lectures introducing datasets and their oceanographic context
- Data analysis assignments and online access to datasets and statistical tools
- Virtual tutorial and Q&A access to instructors
- Presentations by participants on the results of their analyses

Application Procedure

Forward the following documents to PICES2022@oceannetworks.ca

- Curriculum Vitae (2 pages maximum)
- Letter of Motivation (1 page maximum)

Deadline for receipt of applications – 29 April 2022

Successful applicants notified – 13 May 2022

Deadline for confirming participation – 20 May 2022