



**PICES Summer School on
Ocean Observing Systems and
Ecosystem Monitoring**

August 19-23rd 2014

Outline

Argo was asked by PICES to make a contribution to a Summer School aimed at senior PhD students and post Docs. We did not have money to offer, instead we offered a speaker, guess who?



Students were mainly from the PICES nations, Canada, China, Korea, Japan, Russia & USA, but a few from other countries Australia, Argentina, India and the Philippines.

Topics

Topics covered were based around how to measure stuff and interpret it and the course was interdisciplinary.

Students were divided into groups carefully chosen so that every group had at least one physics student, one chemist one fisheries student, one plankton biologist etc.

They spent a lot of time at sea, did sampling nearby, computed mixing diagrams, analysed fishing catches, analysed chemical data I didn't understand.

Students were all very pleased with the course and the leader (Jack Barth) but all wished it had been 2 weeks as the dump of information in such a short time was very high.

I occupied them for one morning talking in general about how Argo works, then after a break, how to use Argo data.

Topics

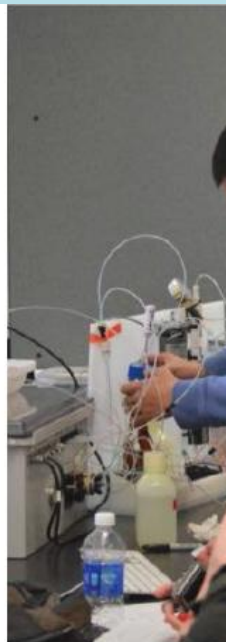


Photo 2 PICES supervises PICES Liu (China), Elle Funamoto (Japan, pCO₂/TCO₂ analysis from various stations in order to better understand the carbon cycle. Photo by Steve Ruess.



Photo 5 PICES Summer School instructor Waldo Wakefield (NOAA) assists students, from left to right, Ellen Tyler (USA), Chuning Wang (China), Tetsuichiro Funamoto (Japan), Jianbo Luo (China) and Christina Friederichs (USA) sort a beam trawl sample onboard the R/V Elakha. This particular sample taken from Yaquina Bay included a number of juvenile Dungeness crab. Photo by David Reinert (OSU).



Photo 6 PICES Summer School instructor Waldo Wakefield (NOAA) adds chemical oxygen demand to the rosette with the help of students, from left to right, Anna Malek (USA) and Christina Friederichs (USA).

One tool they really liked....

I got a very strong reaction from the students demonstrating one tool that they really liked a lot. Megan's Global Argo Marine Atlas. They also liked a demonstration of how to get Argo multi-profile files into Ocean DataView.

