

2013 NOWPAP-PICES Joint Training Course on Remote Sensing Data Analysis

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I'm a research scientist for NOWPAP MERRAC, which is responsible for regional co-operation in the field of marine pollution prevention and response in the Northwest Pacific region. My main objective to join the training course was to seek potential use of remote sensing data for my research and potential collaboration with other experts as well as to learn remote sensing data analysis. Overall, the NOWPAP-PICES Joint Training Course provided me with much more information, skills, and personal connections than my expectation.



The training course was composed with theory and hands-on practices. The lectures provided essential information on remote sensing data analysis, including uncertainties, correction algorithms, and calibration and validation. In hands-on session, my favorite part of the training, we could deal with real data using Window Image Manager, BEAM Earth Observation Toolbox and Development Platform. Although it was my first experience on remote sensing data, I could successfully apply these tools to analyze ocean color image, time series analysis, and calibration and validation by help of excellent guidance of the trainers.



I strongly believe that the information and technique that I acquired in the training course would be greatly helpful for my research related to water quality, numerical modeling, and management of marine pollution incidents. For example, we already started to discuss about the utilization of remote sensing data to monitor marine pollution incidents (e.g. oil

spill) as one of medium-term strategies of NOWPAP MERRAC. In the near future, we will have more discussions on collaborative projects with Dr. Leonid Mitnik (Pacific Oceanological Institute of Russian Academy of Science) and Genki Terauchi (NOWPAP CEARAC).

My experience as trainee clearly says that the training course plays an important role in recruiting young scientist who may use remote sensing data for their study and strengthening regional collaboration. I also believe that the training course with some modification would be also beneficial for managers, government officials, and/or NGOs who are involved in managing and decision making processes in the marine ecosystem. Therefore I strongly support to continue NOWPAP-PICES Joint Training Course in the NOWPAP region with broader audience.