

TRAINING PROGRAM (as of April 11, 2011)

The course will consist of lectures by specialists and hands-on practical sessions on the process and analysis of ocean remote sensing data. Topics will cover remote sensing of eutrophication, red tides, oil spills and coastal habitats. Syllabus for typical 5-days training course is shown in the following table. The following program is tentative version as of April 11, 2011 and it will be updated as necessary.

| Day | Time | Program |
|--------|-------------|--|
| Oct 8 | 9:00-9:20 | Welcome address |
| | 9:20-10:50 | Introduction to Satellite Oceanography (L) |
| | 11:00-12:30 | Introduction and recent progress in ocean color remote sensing (L) |
| | 13:30-17:00 | Availability of oceanological data in Northwest Pacific region (OC, SST, NPEC, JAXA, PICES etc.) Introduction of software (WIM and SeaDAS) (L) + (H) |
| | | Welcome party |
| Oct 9 | 9:00-10:30 | Detection of HAB and redtide (L) |
| | 10:45-12:15 | Introduction of GEO-HAB activities related to ocean color |
| | 13:30-17:00 | Imaging and verification of ocean colour satellite data (L) |
| Oct 10 | 9:00-10:30 | Primary production and preliminary assessment of eutrophication by remote sensing |
| | 10:45-12:15 | Validation of Ocean Colour (L) |
| | 13:30-17:00 | Time series analysis of ocean colour data and preliminary eutrophication assessment by remote sensing (H) |
| Oct 11 | 9:00-12:15 | Utilization of the Landsat archives and other high resolution optical sensors for coastal environment (L) |
| | 13:30-17:00 | Analysis of Landsat images (H) |
| Oct 12 | 9:00-10:30 | Oil spill monitoring by remote sensing (L) |
| | 10:50-12:15 | Habitat mapping by remote sensing (L) |
| | 13:00-17:30 | Assignment for all trainees (H) |
| | 17:00-17:30 | Closing |
| | | Farewell party |

(L) Lecture

(H) Hands-on computer exercise