



**United Nations  
Environment  
Programme**



Distr. Restricted

UNEP/NOWPAP/CEARAC/WG3&4/4/5  
14 August 2008

Original: ENGLISH

---

Northwest Pacific Action Plan  
Special Monitoring and Coastal Environmental Assessment  
Regional Activity Centre

The Fourth NOWPAP Working Group 3 and 4 Joint Meeting  
Toyama, Japan, 10-12 September 2008

**Report of the NOWPAP Working Group 4 (Remote Sensing)  
for the 2006-2007 biennium**

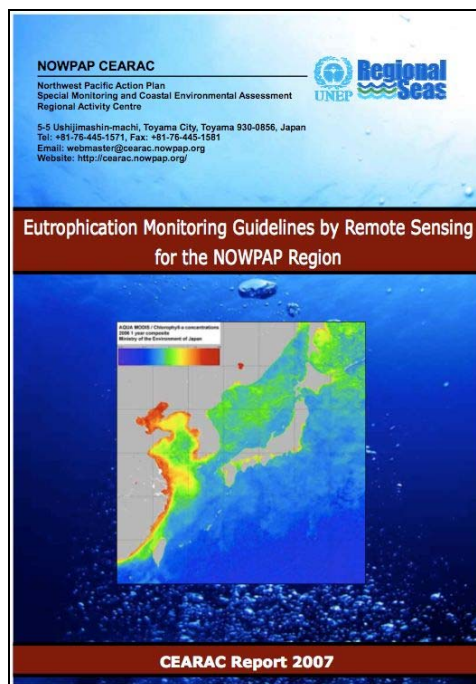
## 1. Overview of Working Group 4 (WG4) activities

In accordance with the approved workplan at the 4<sup>th</sup> CEARAC FPM, NOWPAP WG4 conducted the following activities for the 2006-2007 biennium.

### Eutrophication Monitoring Guidelines by RS for the NOWPAP Region

In accordance with the agreement at the 3rd NOWPAP WG4 Meeting, “NPEC Eutrophication Monitoring Guideline by Remote Sensing” was reviewed and refined by the experts of the NOWPAP member states. With the comments and suggestions from the experts, CEARAC revised this NPEC guideline with a national consultant and compiled “Draft Eutrophication Monitoring Guidelines by Remote Sensing for the NOWPAP Region”. This draft was reviewed and refined by experts of WG3 and WG4 in each NOWPAP Member State.

These Guidelines were published and circulated through WG4 experts to related persons and agencies in December 2007.



Eutrophication Monitoring Guidelines by Remote Sensing for the NOWPAP Region

### **The first NEAR-GOOS – NOWPAP Joint Training Course on Remote Sensing Data Analysis**

CEARAC organized the first NEAR-GOOS - NOWPAP Joint Training Course on Remote Sensing Data Analysis at Nagasaki University, Nagasaki, Japan from 3-7 September 2007 jointly with IOC/WESTPAC.

The training course was targeted at postgraduate students, professional researchers and local government officers working in the fields of marine sciences and coastal-zone management in North-East Asian Regional GOOS (NEAR-GOOS) and NOWPAP area. 10 lecturers composed of experts from China, Japan, Korea, Russian and USA, were invited and gave the lectures and practices to the participants in the training course.

23 participants from 8 countries: China, India, Indonesia, Japan, Korea, Russia, Thailand and Vietnam, were chosen as trainees, based on their demonstrated ability to be able to transfer the knowledge and skills gained in the course back to their respective schools and institutions, and successfully completed the course.



A photo taken at the opening of the first NEAR-GOOS – NOWPAP Joint Training Course on Remote Sensing Data Analysis

**Development of RS information network****Website on oil spill monitoring by remote sensing**

Website on oil spill monitoring by remote sensing was updated in 2006 based on the proposal from Pacific Oceanological Institute of the Far Eastern Branch of Russian Academy of Sciences. More synthetic aperture radar images of oil spills were added to the website.

**Marine Environmental Watch Project**

Several areas in the NOWPAP region were added to marine calendar of Marine Environmental Watch Project website for wider use of the system.

The website has also been registered as one of the databases of NEAR-GOOS, which is one of the regional GOOSs (Global Ocean Observing System) sponsored by Intergovernmental Oceanographic Commission of UNESCO (IOC).

**2. Related activity****The 4<sup>th</sup> International Workshop on Remote Sensing of the Marine Environment in the Northwest Pacific Region**

The 4<sup>th</sup> International Workshop on Remote Sensing of the Marine Environment in the Northwest Pacific Region was co-organized by NPEC and Pukyong National University on 1-2 August 2006 in Busan, Korea, aiming at providing an opportunity for experts to present their latest research results and to exchange information on ocean remote sensing applications.