

A decorative graphic on the left side of the slide, consisting of a grid of squares in various shades of blue and white, arranged in a stepped pattern.

Activities of the Ukrainian Scientific Centre of Ecology of the Sea (UkrSCES)

Odessa National Maritime Academy

15 October 2014

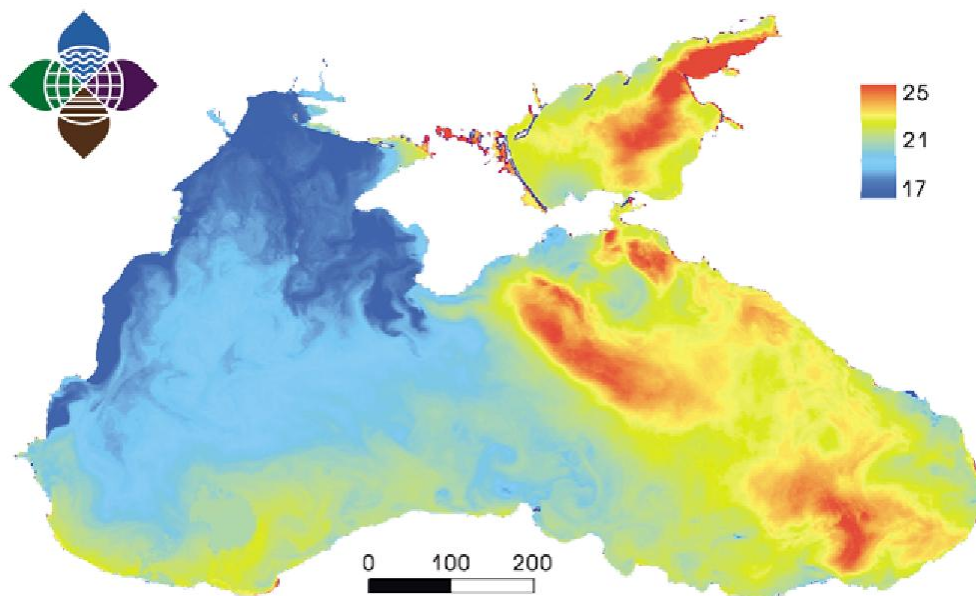
V. Komorin

Main goals



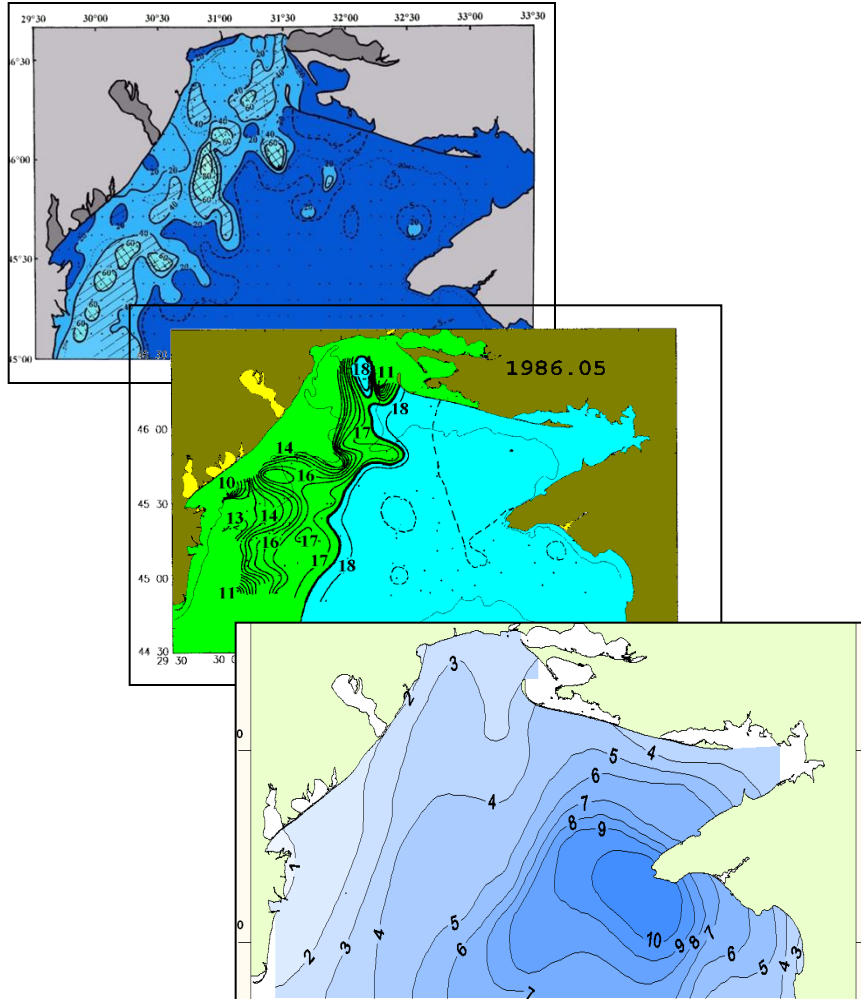
- Scientific and technical activity for protection and rehabilitation of the Black Sea
- Regional Activity Centre on Pollution Monitoring and Assessment
- Information support of Monitoring System
- Educational activities

Scientific and technical activity for protection and rehabilitation of the Black Sea



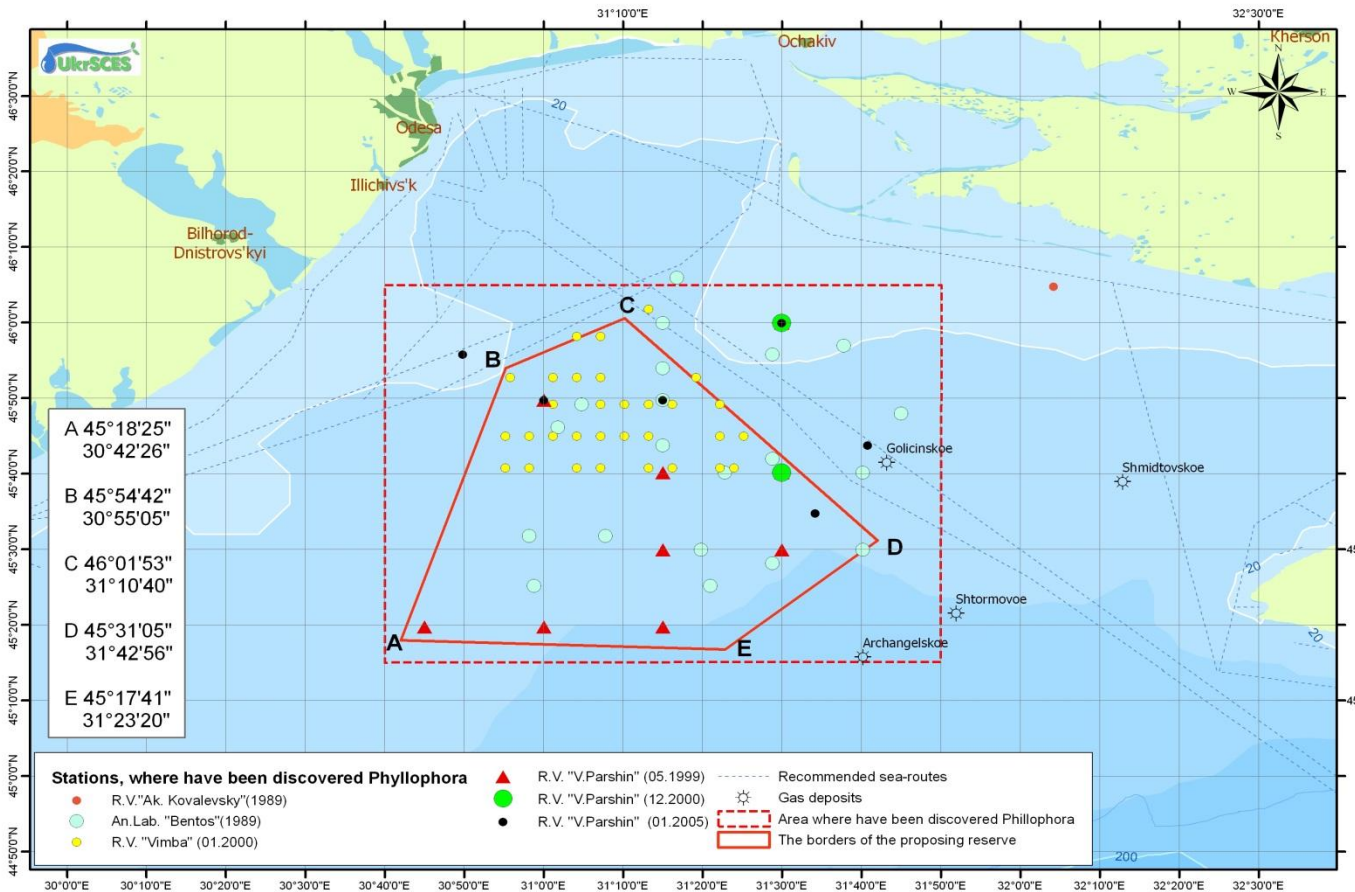
The sea surface temperature, typical for mid-summer

Task 1: Reduction of the pollution level and anthropogenic loading at the Black Sea



- Reinvent of toxic substances contents in the coastal pollution sources of the sea
- Development of the Program reduction of the most dangerous anthropogenous sources influenced to the sea
- Development of the Plan of measures on prevention of marine water pollution
- Creation of the software of the forecast of the oil spills
- Development of Recommendations on optimization of damping areas

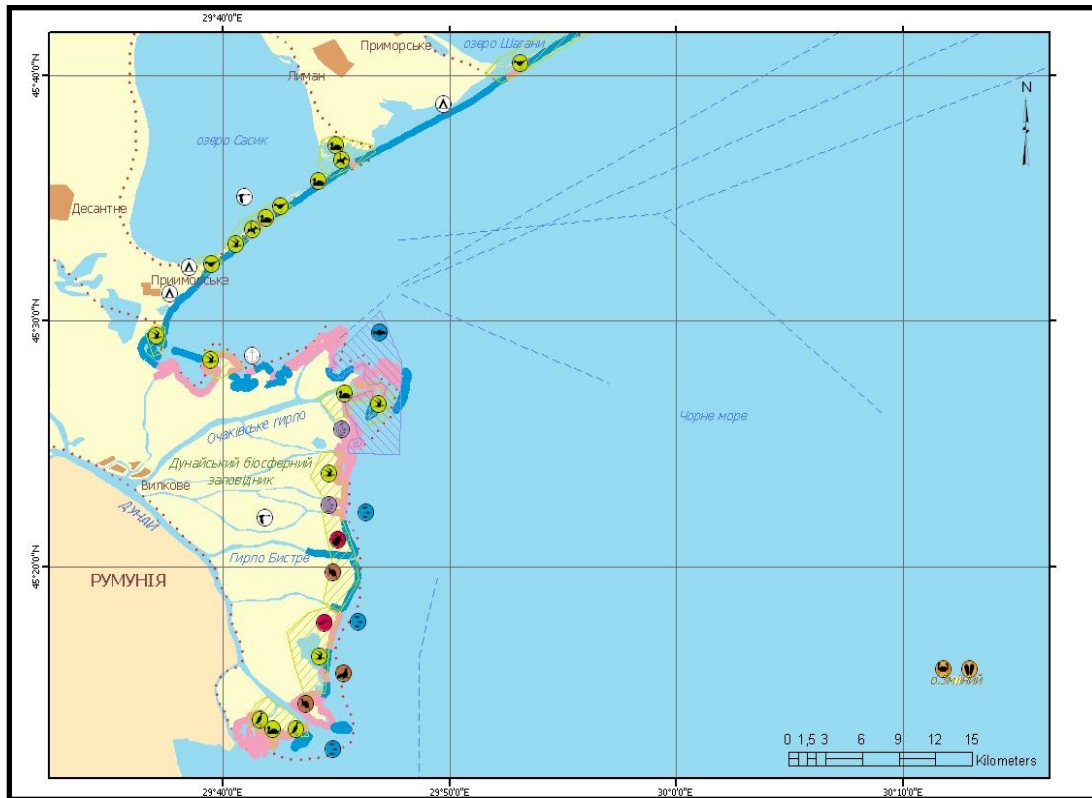
Task 2: Preservation and reproduction of the biodiversity and natural landscapes of the shelf



Creation of the reserved area "Zernov's field" and maintenance of its functioning

Creation of the reserved area "Small phyllophora field in the Karkinitzky Bay" and maintenance of its functioning

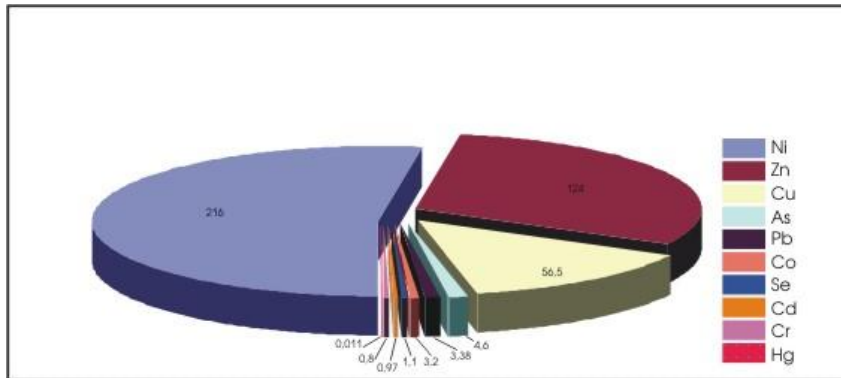
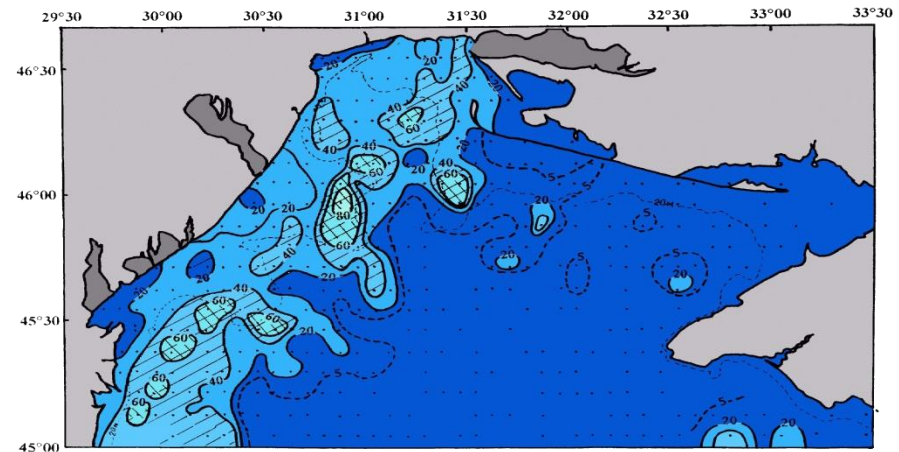
Task 3: Marine and coastal management



- Development of the Marine and coastal strategies according to the natural resources and anthropogenic loading
- Organization of the information-analytical center (IAC) of the ecological parameters and ecological knowledge about Black and Azov seas

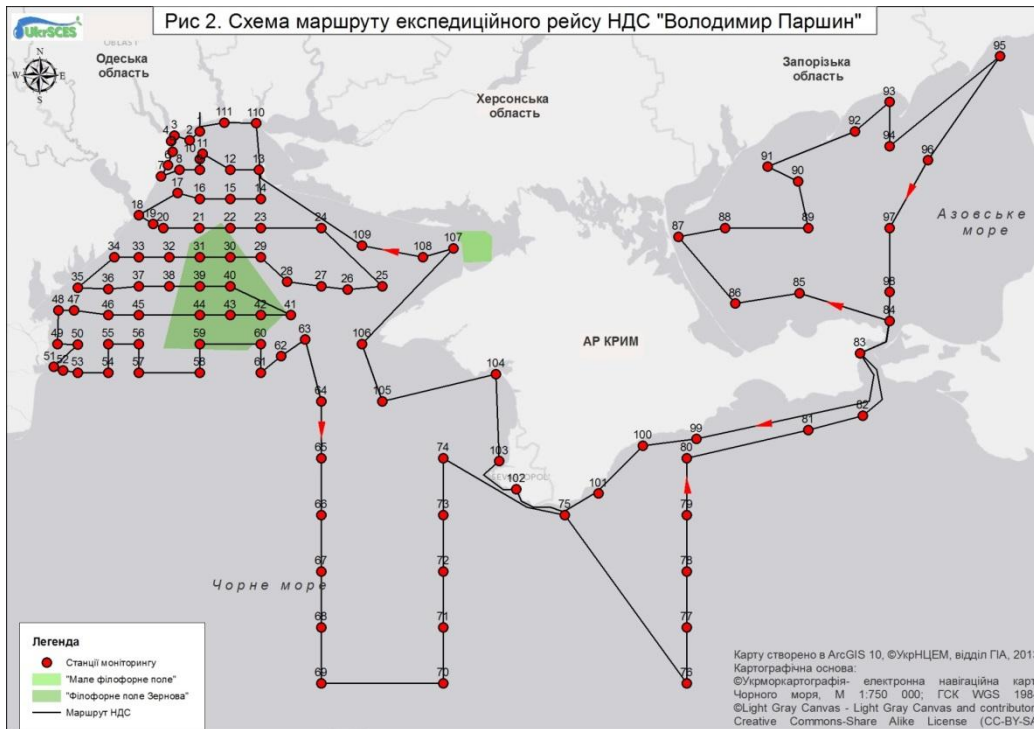
Task 4: The scientific researches focused on the main ecological problems of the Black Sea

1) Eutrophication of seawater and negative ecological effects of this phenomenon



2) Toxic and radioactive pollution of marine environment

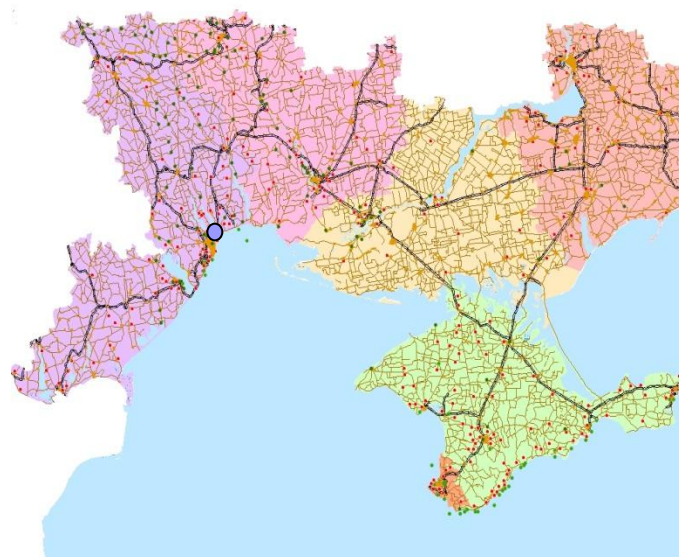
Task 5: Improvement of the monitoring system and assessment of Black Sea environment



- Organization and carrying out of the marine ecological monitoring
- Research of the marine ecosystem dynamic
- Research of biological effects of marine pollution
- Organization and carrying out of the special marine ecological monitoring in damping zones and in zones of gas and oil extraction

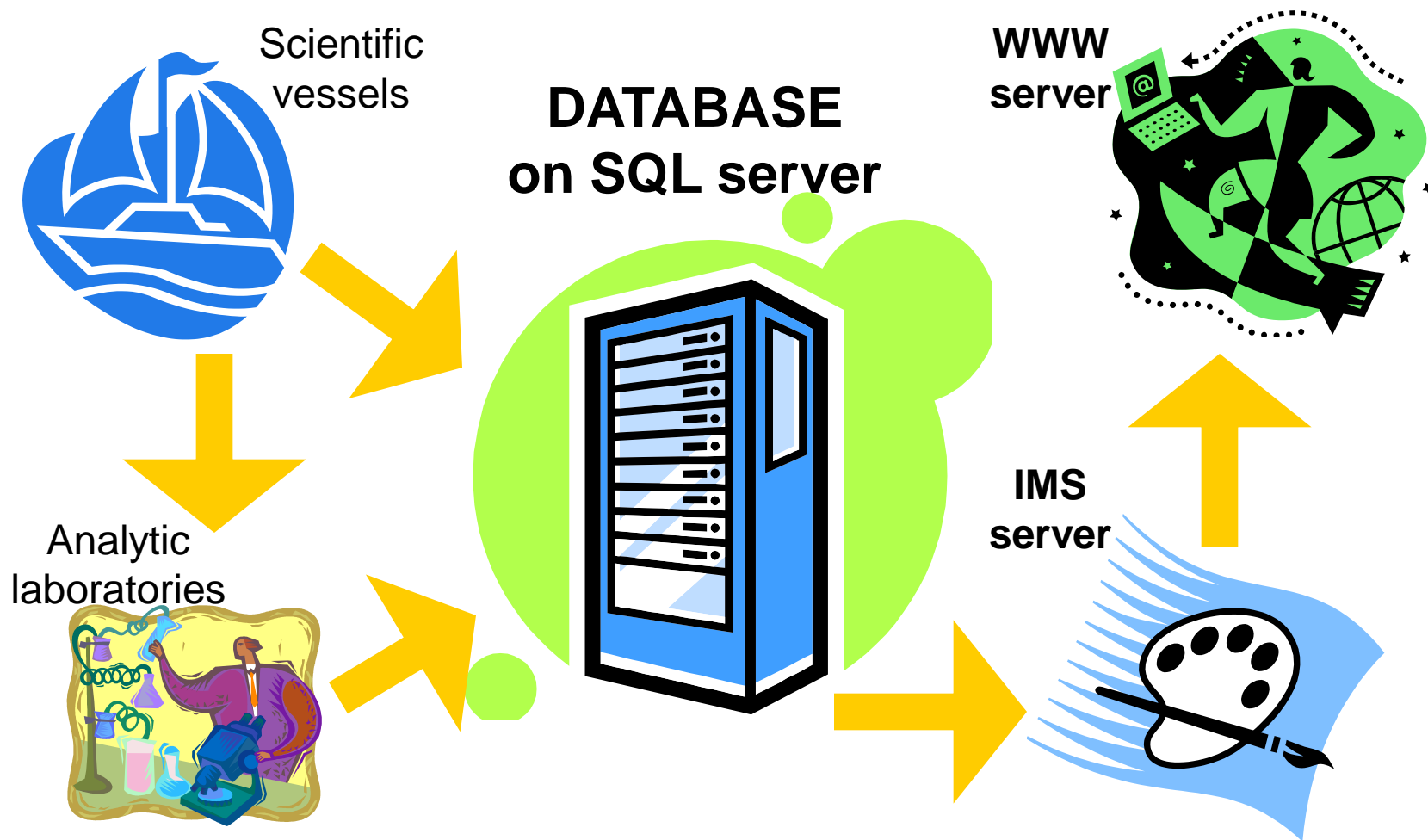
Regional Activity Centre on Pollution Monitoring and Assessment

- ◆ The *Ukrainian Scientific Centre of the Ecology of Sea* has been established on January 28, 1992 to provide scientific support of the state policy of Ukraine in the field of environmental protection, utilization and renewal of natural resources of the Black Sea and the Sea of Azov, and to ensure fulfilment of the international engagements of Ukraine that arise out of the signed conventions, treaties and agreements.



- ◆ In accordance to the Strategic Action Plan for Rehabilitation and Protection of the Black Sea the Centre has been accredited as the Regional Activity Centre on Pollution Monitoring and Assessment.

Information support



Educational activities



- ◆ Scientists of the UkrSCES give the lectures in OSENU and ONU
- ◆ Scientific employees support course papers and master works of students
- ◆ There are exercising, training and practices for students on the base of UkrSCES
- ◆ The informational materials about the methodology and research results of the ecological state of the marine environment have been prepared

Thank you very much for your attention!!!

