Integrated Marine Research Center

Information

The CCU “Integrated Marine Research Center” is operated at the premises of the Federal State Educational Institution of Higher Education “Southern Federal University”
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The CCU “Integrated Marine Research Center” was established by the order of the head of the Institute of Technology (SFEDU) on January 22, 2009. The center was established at the premises of the scientific and educational center for integrated research and mathematical modeling of man-made and ecological systems of the Federal State Educational Institution of Higher Professional Education "Southern Federal University".
On March 31, 2009, the Center was renamed to the Federal State Educational Institution of Higher Education “Southern Federal University” “Integrated Marine Research Center” by the order of the Southern Federal University №69-OD.
On August 18, 2015, by the order of the Southern Federal University N 340-OD, the CCU “Integrated Marine Research Center” was included into the structure of the Marine Research Resource Center of the Southern Federal University.
The “Integrated Marine Research Center” possesses the unique research equipment and hardware and software computer complexes.

The center includes:

- Ocean research laboratory, situated on a research vessel “Platov”
- Hydrographic and hydrophysical data processing laboratory

The main areas of the Center’s activity are: conducting research using the existing equipment and providing the researchers and research teams of the Southern Federal University, as well as the other interested users, with needed services.

Areas of scientific activity:

- Development and application of the new monitoring technologies for marine and freshwater natural and man-made systems in order to ensure geo-environmental security and prevent environmental disasters or any emergency.
- Constructing of the marine ecosystem functioning mathematic models including the ones that are used for exploration and development of the underwater hydrocarbon deposits, as well as development, implementation and application of the high-tech scientific equipment.
- Development and application of monitoring computer complexes used for aquatic environment observation and for tracing the shelf infrastructure technical objects.
- Research and development of the wave methods and remote sensing of the marine environment facilities.

- Expeditions to the Azov-Black Sea basin and forming long-term observation databases of hydrochemical, hydrophysical and hydrobiological information.

Scientific, technical and other activities:

- Professional state assessment, issuing recommendations for the safe operation of the marine man-made objects.
- Monitoring of dredging and other construction works performed in the sea shelf.
- Internships and all kinds of educational practices for the SFedU students studying the marine area.
- Advanced training courses organization and marine specialists' retraining.
- Organisation of workshops following the scientific interest of the center.
- New educational resources development, including for the international scientific and educational centers.

The Center's page on the website "Modern research infrastructure of the Russian Federation"