Mission
The Gyeongbuk Sea Grant Institute was established to carry out R&D, training and promotional programs aimed at developing Gyeongbuk regional marine ecology and environment. It aims to solve the current challenges in the Gyeongbuk region including Pohang, Gyeongju, Uijin-gun, Yeongdeok-gun, Ulleung-gun and Dok-do, as well as to build infrastructure and support for the marine industry in the Gyeongbuk region.

Activities
- Identifying and solving the Gyeongbuk regional problem
- Marine ecology conservation of Ulleung-do and Dok-do
- Utilizing deep sea water of the East Sea
- Research on marine environment and marine resources reuse

Organization

Research
The Gyeongbuk Sea Grant Institute is developing marine technologies to build infrastructure for advanced marine industry in the Gyeongbuk area, with Pohang University of Science and Technology (POSTECH) leading the efforts in establishing corporation with the Yeungnam University, Handong Global University, Dongguk University, and Kyungpook National University.
- Analyzing DNA of microorganisms in Ulleung-do and Dok-do
- Analyzing protein structure of enzymes that are related to marine algae in Ulleung-do and Dok-do regions
- Research on converting microorganisms into resources utilizing deep sea water of the East Sea and its industrialization
- Improving marine environment of the Gyeongbuk East Sea area and developing microorganisms using purifying material
- Production of chitin and chitosan nanofiber from by-product of east coastal crustaceans
- Development of high organic acid production system from marine waste
- Development of anaerobic technology treating organic wastes for ocean disposal in the East sea

Outreach
In order to identify and solve the current challenges in the region covering Pohang city, Gyeongju city, Uijin-gun, Yeongdeok-gun, Ulleung-gun and Dok-do in Gyeongbuk, a council consisting of experts from the academia, businesses, research institute, and the government is organized and provide appropriate directions through a council of experts.
- Demand research on the current regional problem
- Organization of director-advisory committee
- Programs for marine ecology experience in Ulleung-do and Dok-do
- Marine ecology conservation activities
- Program for the prevention of marine pollution
- GSGI symposiums with experts from various fields and the local residents

Education
The aims are to develop educational programs that shall build the marine infrastructure and train skilled workers and to educate students and local residents by organizing a number of related events.
- Network with local marine infrastructure
- Program for training marine bio human resources
- A scholarship program for excellent local undergraduates and graduate students
- Designation of the Day of the Sea and organization of related events
- Promotion on the projects of Gyeongbuk Sea Grant Institute
- Publishing the Gyeongbuk Sea Grant Institute newsletter

Annual GSGI symposium

2nd GSGI symposium
Date: Nov 12
Venue: POSCO International Center Auditorium
2010 Research
- Microbial diversity in Ulleung-do and Dok-do regions
- Analyzing DNA of microorganisms in Ulleung-do and Dok-do
- Analyzing protein structure of enzymes that are related to marine algae in Ulleung-do and Dok-do regions
- Research on converting microorganisms into resources utilizing deep sea water of the East Sea and its industrialization
- Improving marine environment of the Gyeongbuk East Sea area and developing microorganisms using purifying material
- Production of chitin and chitosan nanofiber from by-product of east coastal crustaceans
- Development of high organic acid production system from marine waste
- Development of anaerobic technology treating organic wastes for ocean disposal in the East sea
- Development of microorganism-based materials that are friendly to the marine environment

Survey on current regional problem

Program for marine environment experience in Ulleung- and Dok-do ‘yeowolyeowoo2010’

15th Day of Ocean “The road to the sea”
Date : May 27 ~ Jun 1
Venue : Pohang City Hall

Memorandum of Understanding (MOU) with
Field trip to related deep sea water industry
Date : Aug 15
Venue : GIMB

Field trip to related institutes "KORDI East Sea Research Institute"
Date : Aug 26
Venue : GIMB

Program for the prevention of marine pollution (Ulleung-do)

Field trip to the road along seaside “The road on the eight famous spots in Eastern KOREA”
Date : Aug 11
Venue : Glasses