

GYEONGBUK SEA GRANT INSTITUTE

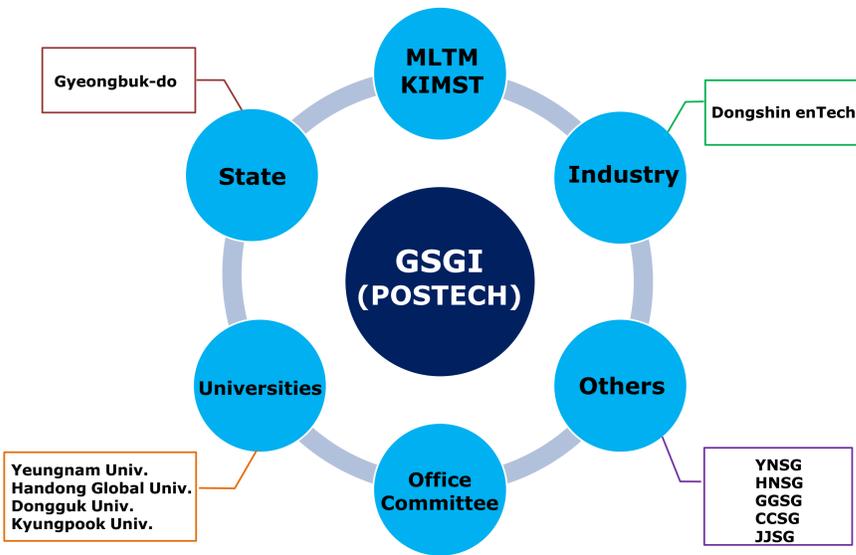
Mission

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, Uljin-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, Uljin-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

Homepage (http://www.gsgi.or.kr)



Annual GSGI symposium



Newspaper



2nd GSGI symposium
Date : Nov 12
Venue : POSCO International Center Auditorium



GYEONGBUK SEA GRANT INSTITUTE

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



바다의 소중한 일깨운 '여울여우 2010'
 씨그랜트 사업단, 울릉도 해양체험-포항지역 남녀 중학생 20명 선발

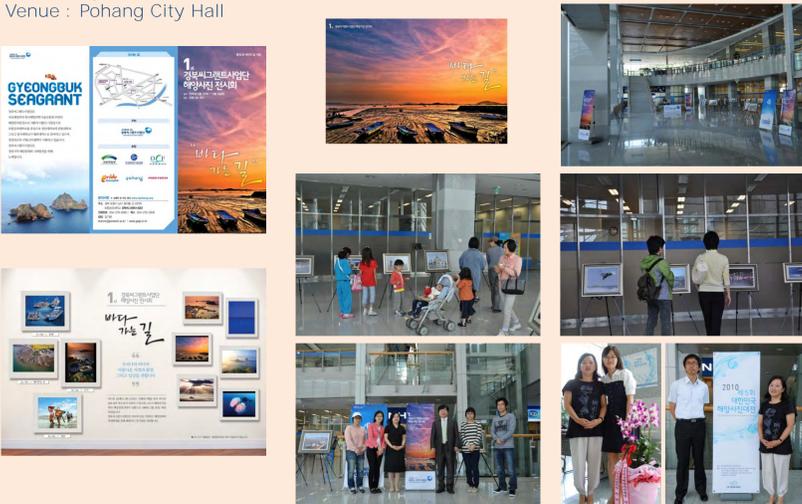
바다의 소중함을 일깨워 주고, 해양환경을 지키고, 해양생태계를 보전하는 데 기여할 수 있도록 하는 '여울여우 2010' 사업단이 울릉도 해양체험-포항지역 남녀 중학생 20명 선발했다. 이번 사업은 씨그랜트 사업단과 울릉도 해양체험-포항지역 남녀 중학생 20명 선발했다. 이번 사업은 씨그랜트 사업단과 울릉도 해양체험-포항지역 남녀 중학생 20명 선발했다.

21세기 해양시대 우리가 주역
 포항지역 중학생 20명 울릉도-독도시 체험활동

씨그랜트 사업단 주관 '여울여우 2010' 사업단이 울릉도 해양체험-포항지역 남녀 중학생 20명 선발했다. 이번 사업은 씨그랜트 사업단과 울릉도 해양체험-포항지역 남녀 중학생 20명 선발했다.

15th Day of Ocean "The road to the sea"

Date : May 27 ~ Jun 1
 Venue : Pohang City Hall



Memorandum of Understanding (MOU) with Gyeongbuk Ocean Forum (GOMB)



경북해양포럼 GOMB (Gyeongbuk Institute for Marine Bio-history)

경북씨그랜트사업단 우수 대학원생 초청 "관동팔경길" 탐방

Date : Aug 26
 Venue : GOMB

Date : Aug 11
 Venue : Panablu

Field trip to related deep sea water industry



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



Field trip to related institutes "KORDI East Sea Research Institute"



Field trip to the road along seaside "The road of the eight famous spots in Eastern Korea"



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

