



생명의 바다! 과학의 바다! 행복의 바다!
Sea of Life! Sea of Science! Sea of Happiness!
Honam Sea Grant Program

1. Honam Sea Grant Program

Ethymology of Honam area is Jeolla-do, i.e., southwestern region of Korea.

Fig. Boundary of Honam sea grant program
Sea Grant means continually develop and conserve of our marine resources using government fund.



Fig. Boundary of Honam sea grant program

Honam Sea Grant has been supported by M(Ministry of Land, Transport and Maritime) on March 2006 for development of marine business and conserving of marine resources in Honam area. We have specialist who are professors and researchers from universities in Honam area to find, research and apply the results to actual pending problem in Honam area.

Honam Sea Grant uses Jeonju form(2%), each local authorities in Honam(Chollanam, Jeollabukdo) and consortium universities (Jeonju Maritime Univ, Chosun National Univ, Kyeon National Univ.)



Fig. Consortium of Honam sea grant program

2. Program and activities of Honam Sea Grant

Environmental stewardship, long-term economic development and responsible use of Korea's coastal zone and inland resources are at the heart of Sea Grant's mission. Korea Sea Grant is a voluntary, citizen-administered program through the Ministry of Land, Transport and Maritime Affairs(MOLTA), and a university-based program that work with coastal communities. Honam Sea Grant Program engages this network of the nation's top universities in conducting scientific, research, education, training, and extension projects designed to foster science-based decisions about the use and conservation of our marine resources. Research, Outreach and Education activities of Honam Sea Grant (HSG) are integrally connected to each other.



Fig. 4 Main activities of Honam sea grant

Our research and outreach programs try to promote better understanding, conservation and use of Korea southwestern coastal resources.
Honam Sea Grant Program's "science serving for southwestern coastal area of Korea"

2-1. Joint Research (Joint Program/Outreach)

According to long-term strategic plan activities of Honam sea grant program were divided into three kinds of core challenges.
Research, Outreach and education activities are performed simultaneously in the eco-friendly theme group.
1) Maritime business development through scientific approach
2) Fostering eco-friendly marine science
3) Problem solving regional issues & Activation marine tourism

2-2. Research and local industries R&D

1) Maritime business development through scientific approach
marine specialist training
- Marine science talent competition for under-graduation students
- Marine science competition for graduate school students
- Fellowship program for faculty
Equipping Equipment Exhibition on Marine Science
International cooperation program
- International seminar (Joint Sea Grant Honam Sea Grant [R&D])
Development of rehabilitation technology for small boats
Collaborate management transfer of ocean projects, planning, marine management and marine resources management (Integrated marine safety and security system)



Fig. 5 Research activities of Honam business development programs



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Fig. 5 Executed activities related to eco-friendly marine tourism program



Fig. 6 Executed activities of regional industries

1) Fostering eco-friendly marine science

- Open Lab program - Marine biology and vessel landing education
- Coastal waste reduction program
- Soft cost basic ecological research for Marine Protected Area
- Coastal Camp
- Marine Education for Jeollabid province [R&D]
- Development of mercury species analysis technique and estimation of mercury input to coastal sediments
- Simulation of long term low and coastal environmental changes according to low development of the development
- Study on intertidal sediments of the tundra (changes and the temporal behavior of shore origin of the phenomena)
- Development of eco-friendly artificial reefs applied geo-polymer concrete

2) Problem solving regional issues & Activation marine tourism

- Maritime Safety Training
- Development mud power-vehicle boat for diverse marine tourism resources
- Join Sea Grant Week 2010 in USA
- Field survey/Investigate regional issues
- Route discovery and investigation around honam coastal area for yacht [R&D]
- Development Technology of submerged breakwaters considering the tide control, erosion permeability

3) Strategic plan of Honam Sea Grant

- Research & Development
- Research on local issue & Scientific approach
- Development research project
- Collaborating marine specialists through R&D
- To strengthen the R&D based on the eco-friendly idea
- Outreach Program
- Development of outreach program for activation marine tourism
- Considering a program for local marine ecology to cope with environmental change
- Coastline protection program based on eco-friendly idea
- Creating a program for marine safety by outreach program continuously
- Setting a plan to increase income of a residents in HONAM area
- Education & PRs Program
- Marine R&D for activation marine tourism in HONAM
- Prevention program development of coastal hazards
- Developing and support for Ocean specialist
- Education program for marine ecology
- Feedback on R&D results by PRs
- Publicity of HONAM Sea Grant Program continuously



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