

Activities of Yeongnam Sea Grant College in Korea

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ABSTRACT

Yeongnam Sea Grant (YSG) can help solving the local and regional problems related to coastal environment though research, education and outreach activities, although YSG is too immature program which was born a little over a year ago. YSG works on strategic topics vital to local public and environmental health-topics such as 1) Coastal marine tourism & leisure 2) Coastal front & disaster countermeasure 3) Coastal management & environment restoration 4) Marine bio-industry

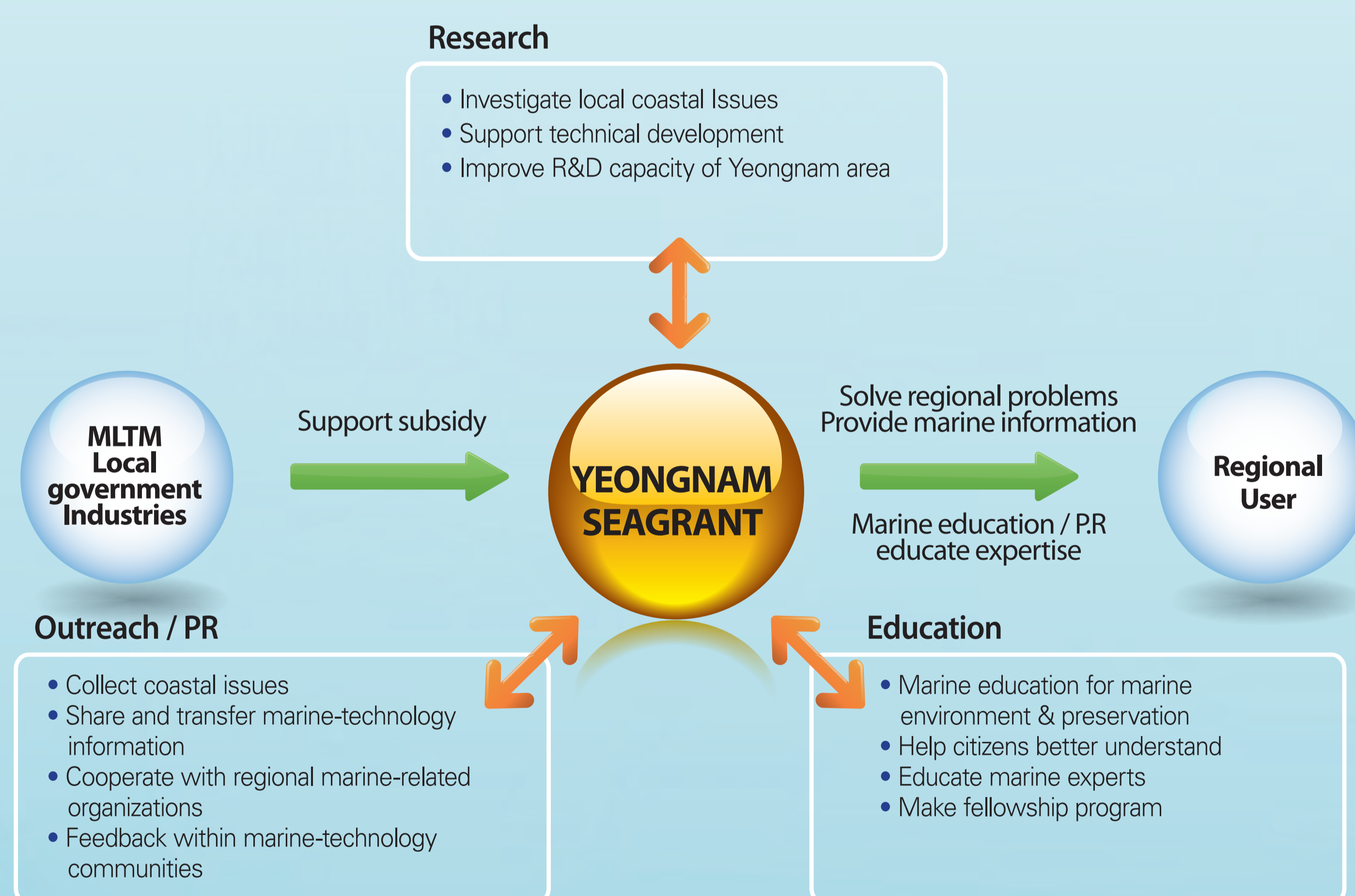
INTRODUCTION

Korea is surrounded by Sea and its population in coastal areas is about 60% and getting increased up to 75% by 2020. Therefore, Korea has been compelled to the need for research and extension for the management of coastal resources. Sea Grant Program serves as the core of a dynamic, national university-based network involving scientists, engineers, educators, students and outreach experts. Korea Sea Grant Program was established in 2000 by the Ministry of Maritime Affairs and Fisheries (MOMAF into MLTM) as a part of Korea's comprehensive plan to improve management of coastal resources.

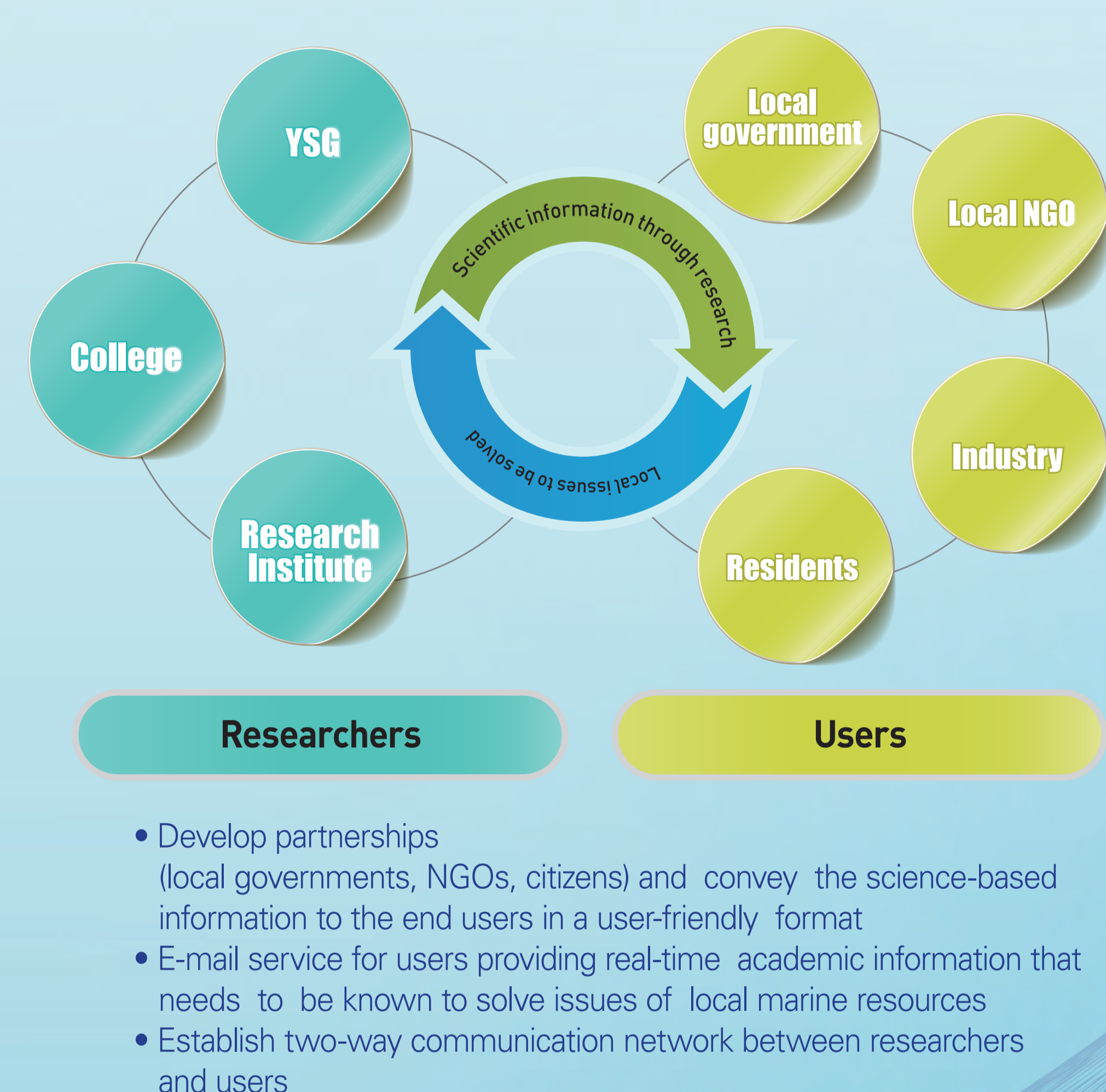
In 2005, the Yeongnam Sea Grant (YSG) Consortium was established as the first regional center of excellence to support the implementation of the Sea Grant Program in Korea. YSG's Projects have been transited from MLTM 's R&D focused grant program (2000-'03) to more practical application by the components of extension / outreach and education (2005).

In particular, Sea Grant program prefer events collaborated with Public at large, University Non-profit institution, Research Institute, Industry, Local government, Local college. These events can shape Sea Grant program and will continue to influence it for years to come. In true partnership fashion, YSG and the local government are working together to address the many needs of the state. Once again, the primary mission of YSG—to support research and education on our marine environment—has been increasingly relevant. Thus the research and outreach projects described in this directory can be greatly shaped by collaboration events. We YSG hope to support more new focused research to study the issues of marine protected areas through a special allocation of regional and local funds to YSG. In addition, YSG will try to develop outreach, education and research projects that cover a broad swath of issues of critical importance in Yeongnam area.

FUNCTION OF YEONGNAM SEA GRANT



TWO-WAY COMMUNICATION NETWORK



YEONGNAM SEA GRANT VISION

Transform Korea into a leading ocean through the reinforcement of regional capability

SEA GRANT AND MLTM

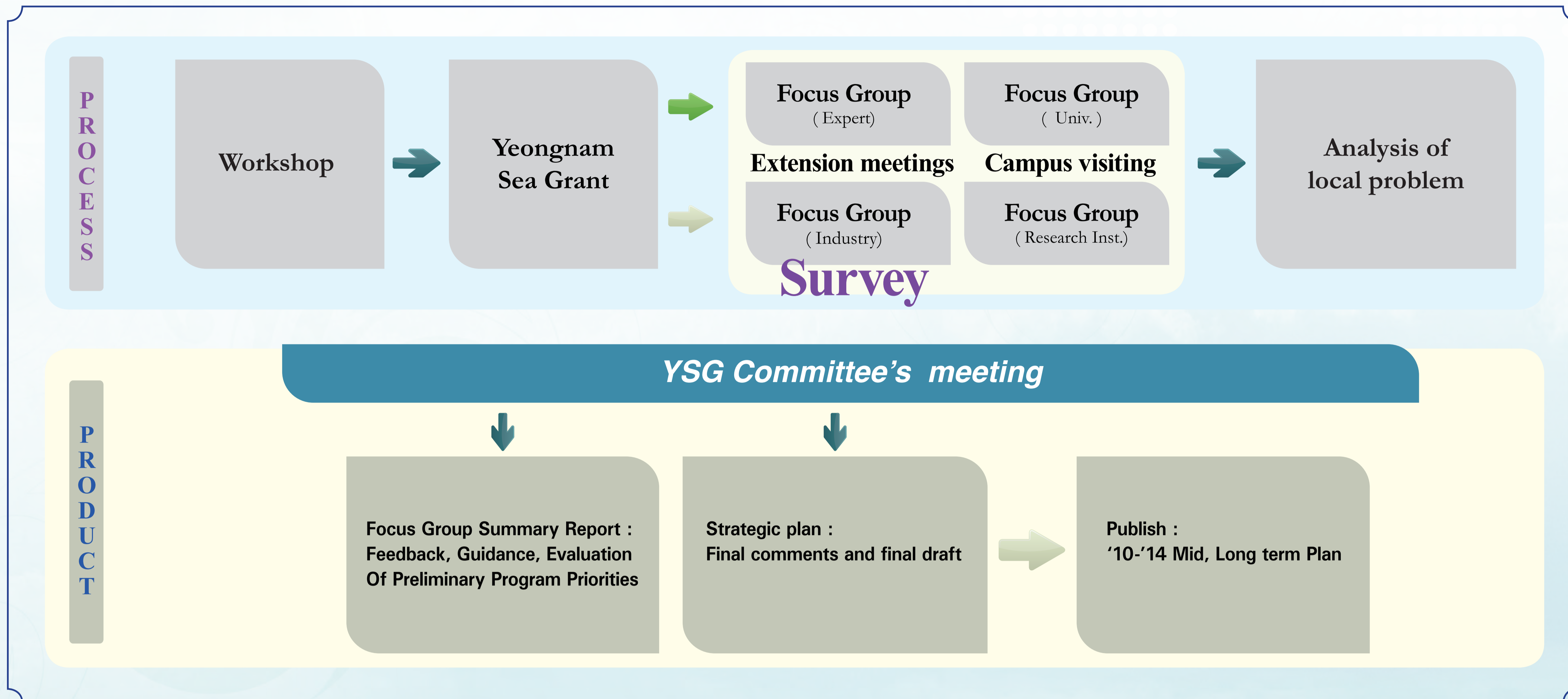
Sea Grant is a primary mechanism for MLTM to engage regional, local, and academic constituents. Successful engagement of universities is applied to oceans, coasts, and Great Lakes. Sea Grant's mission fits into MLTM's mission and strategic plan is based on MLTM's themes and goals



YSG 3R I

- **R**egion (region-based program)
- **R**esidents (research, outreach & education through residents participation)
- **R**elation (interface & network system among industries, colleges, research institutes, local government, and residents)

YEONGNAM SEA GRANT STRATEGIC PLANNING ROAD MAP



YEONGNAM SEA GRANT STRATEGIC PLAN AND RESEARCH

- 3-5 years strategic plan, 1-2 years implementation.
- Strategic investments :
 - 1) Coastal marine tourism & leisure
 - 2) Coastal front & disaster countermeasure
 - 3) Coastal management & environment restoration
 - 4) Marine bio-industry



ORGANIZATION OUTREACH COMMITTEE SYSTEM

- Build the capacity of human resources, Yeongnam Sea Grant participating universities, institutes of marine resources and activities and NGOs, and organize a taskforce team for each different field
- The Outreach Committee accepts civil issues related to marine resources and activities, and conveys the issues to target researchers
- Establishment of a problem-solving system for local pending issues



- **Outreach activity 1.**
Coastal management and Natural Hazard prevention Project for safety of coastal community folks
To Investigate the complex layouts, living space construction, water-resistance design.
- **Outreach activity 2.**
Management of Oryukdo & surrounding Water's MPA
Education & PR for local residents and visitors (PR & Brochure)



SEA GRANT OUTREACH APPROACH

Bottom-up approach: Citizen advisory structures
Non-advocacy (vigilantly guard against advocacy)
Present alternatives & provide all viewpoints
University-based educators, non-regulatory



SEA GRANT EDUCATION

Goal is to improve of marine technology knowledge and to voluntarily manage marine coast.
 The Sea Grant Educators Network promotes marine literacy through Curriculum development, After school programs, Teacher continuing education, Summer programs.
 YSG's education is focused on technical training education for scientifically and environmentally informed citizenry

- **Education activity 1**
Marine experience education of using region
we run marine experience education for residents as a way to encourage Maritime Awareness
- **Education activity 2**
Educate marine ecology leaders
Educate local residents to PR marine ecology & environment
- **Education activity 3**
Promotion Sea Grant club through region university student

