

❖ **Project title: “The solutions for improving the effect on marine resources protection of coastal trawl fishery in Khanh Hoa province”**

❖ **Objectives:**

- To find the status of the inshore trawl in Khanh Hoa
- To find the status of fishing production, including by catch, commercial fish and income of anglers
- To put forward some solutions to improve the effective of inshore marine resources conservation
- To design and manufacture the suitable selectivity instrument of trawl

❖ **Contents:**

- The status of fishing boats, fishing instruments, fishing gear of inshore trawl in Khanh Hoa.
- The status of fishing production and species of the trawl.
- The status of fishing management and marine resources conservation in Khanh Hoa.
- The potential of applying the selectivity instrument for the trawl.
- To design and manufacture the suitable selectivity instrument of trawl.

❖ **Research group:** includes staffs of Fishing – Navigation Faculty, Nha Trang University:

- + Dr Tran Duc Phu;
- + MSc Phan Xuân Quang;
- + PhD student Nguyen Phong Hai;
- + MSc Nguyen Trong Luong;
- + MSc Pham Quang Tuyen;
- + BE Nguyen Van Nhuan;
- + BE Nguyen Y Vang;
- + BE Vu Nhu Tan.

❖ **Results:**

- Component 4 has implemented one research project with satisfactory results, including solutions for marine resources conservation in Khanh Hoa province.
- Supply the data for one PhD student (Nguyen Phong Hai) to write papers and one MSc student (Pham Quang Tuyen - Faculty of Fishing technology and Navigation, Nha Trang University) to do the master thesis.
- Component 4 organized one academic conference at Faculty level. In January 2012, the Component has successfully organized a conference to disseminate the findings of the research project to 40 officers of the Department of Agriculture and Rural Development, managers of the Nha Trang bay Marine Protected Areas, branch of capture fisheries and resources protection, center of encourage agricultural expansion in Khanh Hoa Province.

- The results of the research project are scientific basis for managers who make plans for the fisheries policies, fisheries management methods; help the lecturers in teaching, especially in the field of fishing and protecting the marine resources, scientific basis of fishing gear selectivity. Besides, the research project helped local fishermen improve their understanding about the importance of fisheries protection because they are key partners to protect marine fisheries resources. However, since the specific characteristic of fishing in Vietnam as well as in Khanh Hoa province, most fishermen are poor, lack of capital and subsistence fisheries, they meet difficulties in applying the results of the research.
- In addition, through the research project, the research capacity and skill of young staff have been improved. This is a good chance for the lecturers to do research and approach the real production from anglers in Khanh Hoa.

❖ ***Papers published:***

- 1 paper published in international journal
- 1 paper accepted by international journal
- 2 papers published in national journals
- 4 papers presented at a national conference
- 2 papers submitted to international journals

❖ ***Technology transfer:***

Component 4 organized one training course for fishermen at Vinh Truong, Nha Trang city and staffs of organizations as Department of Agriculture and Rural Development, branch of capture fisheries and resources protection, center of encourage agricultural expansion in Khanh Hoa Province about the solutions for marine resources protection by using the mesh size, square mesh, sorting grid, exit windows.