

Educational Study of Acoustic Surveys in Coastal Shallow Area at Southeast Asia

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ABSTRACT

It is important to know the distribution of fisheries resources in the shallow sea area of the coast of Southeast Asia. However, adequate research equipment and methods of survey have not been established. Presently survey methods are including by trawl net and acoustic survey. Acoustic survey is an effective way to efficiently investigate a wide range of cover survey area. However, survey equipment is expensive and requires skill and know-how.

The objectives of project component 5 are 1) construction of small and inexpensive acoustic survey data collection, 2) establishment of coastal acoustic research methods for fish distribution rather than the estimated amount of resources, create distribution pattern of fish, 3) establishment of a data analysis technique and 4) educational and enlightenment of acoustic surveys.

The RIHN project achievement during 5 year program are developed the new data collection equipment and analysis systems of acoustic survey at coastal area successfully. Field test of the developed equipment and

system are conducted in Rayong and Japan. On-site-training on operation of developed new acoustic survey equipment and systems for young scientists are carried out in Thailand. Research protocol guidelines for acoustic survey in coastal area are developed and published.

Unfortunately, with time and budget constrain, the project could not completed an appropriate education and enlightenment of fishery acoustics. In the future, we will continue to promote the educational and enlighten the effectiveness of acoustic survey method by seeking cooperation with others academic societies (AFAS etc.).