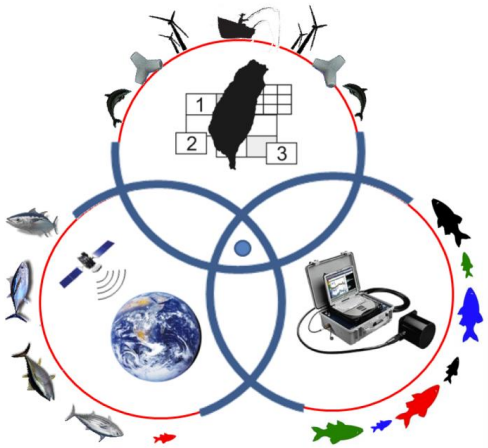
Lab of Fishing Ground Information



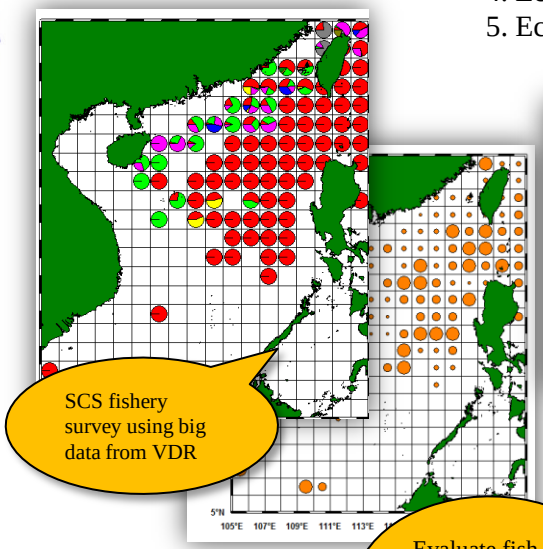
Prof. Hsueh-Jung

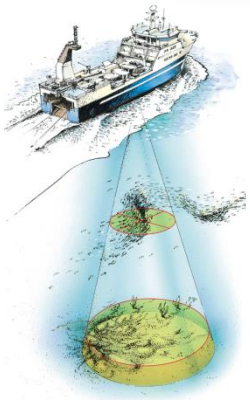
Specialty：Fishery Oceanography, Fishery Acoustic, Geographic Information

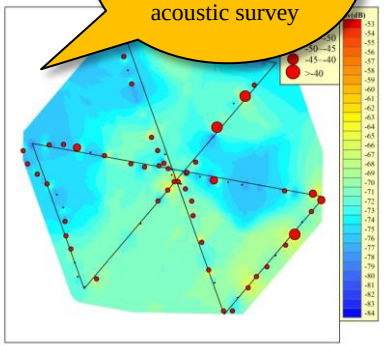
Research Projects：

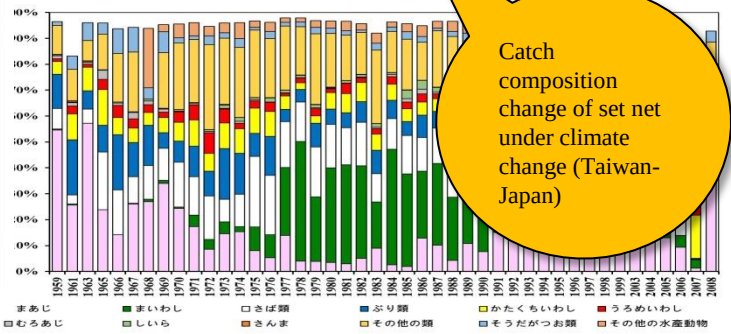
1. Mackerel resource assessment and management (Fishery Agency)
2. Fishery activity and resource survey in South China Sea (Fishery Agency)
3. Impact and adaptation of set net fishery (Ministry of Science and Technology)
4. Ecological survey in waters of Hoping Power Plant (Private Co.))
5. Ecological survey in offshore wind farm–acoustic survey (Private Co.)

Lab briefing： All research topics are related to fishery issues. As selected fishery issues are mostly complex in aspect of fishery resource, marine environment and human society, only use traditional techniques such as fishery data and biological sampling is not enough. We often additionally use objective spatial survey techniques such as scientific echosounder, satellite remote sensing and geographic information system to conduct assessment for fishery resources and environment. In recent years, the main topics of our researches are mackerel stock assessment in NE Taiwan, set net fisheries in Taiwan and Japan, South China Sea fishing activity, and offshore wind farm and artificial reefs surveys in western Taiwan.

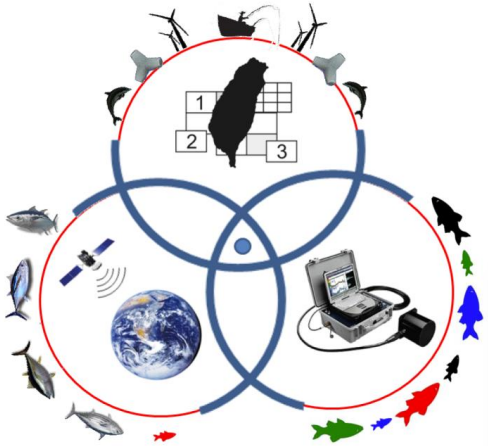








漁場資訊研究室



呂學榮教授

研究專長：漁場環境、水產音響學、地理資訊系統

研究計畫(執行中)：

1. 鯖鰺漁業資源評估與管理(漁業署/主持人)
2. 南海漁業活動與資源調查(漁業署/主持人)
3. 台、日定置網漁業氣候衝擊與調適(科技部/主持人)
4. 和平火力發電廠附近海域生態調查(產業界/主持人)
5. 離岸風電生態環境調查--科學魚探調查(產業界/主持人)

研究方向：從事之研究以解決漁業問題為主，鑒於漁業問題錯綜複雜，往往牽涉資源、環境、社會各層面，研究方法上，除傳統的漁業作業資料、生物採集調查外，特別善用科學魚探、衛星遙測及地理資訊系統三項海域空間調查技術，從事各種漁業資源與環境的調查評估研究，近年來主要研究主題有東北部鯖鰺漁業資源評估、台灣及日本定置網漁業、南中國海漁業調查、西部離岸風電與人工魚礁調查評估。