

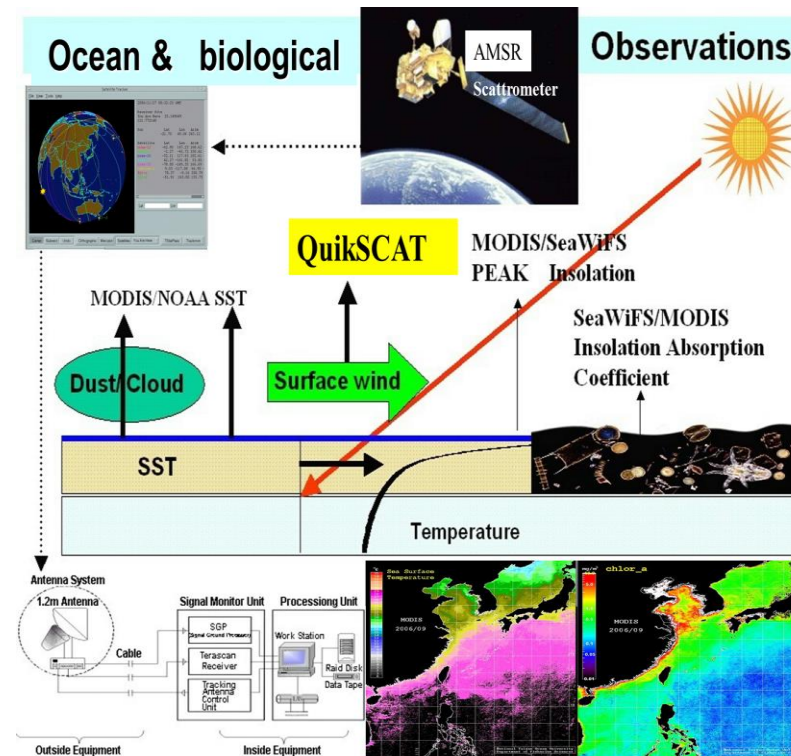
Remote sensing and ecological sustainable development laboratory

The research topics include the remote sensing application, global ocean ecosystem dynamics and its association with fishery vulnerability and sustainable development strategy. The former one is focus on the remote sensing technique development with the observation on extreme environment, and its application on the ichthyoplankton community, pelagic species habitat suitability and microhabitat ecosystem associated with the hydrological condition possibly influenced by climate variability.

The latter one tried to investigate the marine/coastal ecosystems and fisheries resources as well as coastal communities that depend on these systems for food and livelihoods. The integrated social-ecological vulnerability and consensus on the development of community were adopted to promote and deliver the knowledge of climate change associated with the utility, protection, and adaption technology strategy, and then providing information to policy-makers for sustainability and adaptation governance of fishery community resilience in the marine/coastal ecosystem.



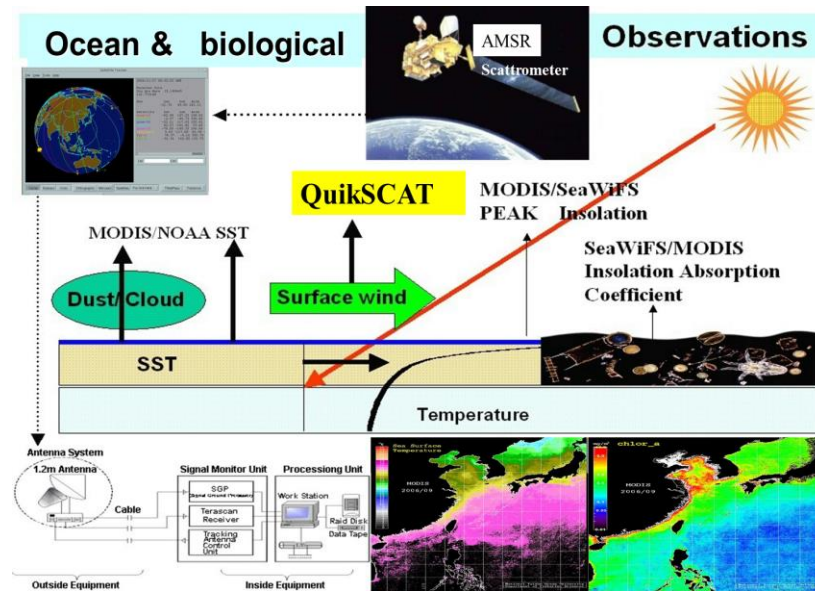
Name: Ming-An LEE
Affiliation: Distinguished professor, Dep. Of Environmental biology and Fisheries Science (EBFS) & President of Taiwan Group Earth Observation & Vice president of PORSEC, Editor-in-chief of Journal of Fisheries Society, Taiwan (JFST)
Education: PhD, EBFS, NTOU
Relevant experience:
2014/09 to now: Distinguished professor
2008~2014/8: professor & Dear of College of Ocean Science and Resource (COSAR)
2005~2007: professor & Chairman of EBFS
2004/7~10: Visitor professor of SWFSC, NOAA
2001~2004: professor & Chairman of EBFS
2000/7~10: Visitor professor of Scripps Institute, UCSD
1996~2000: Professor
1991~1995: Associate Professor



李明安教授—衛星遙測及環境生態永續發展研究室

本研究室主題包括海洋衛星遙測、海洋生態動力 (Global Ocean Ecosystem Dynamics) 及環境變遷對漁業調適與永續發展之研究。近年來全球氣候變遷對於海洋環境及生態變動的影響倍受注目，如何迅速、大範圍並且持續進行海洋環境的監測為海洋生態研究的重要課題。由於科技日益精進，透過衛星遙測技術已可即時探測大範海洋表面溫度、葉綠素濃度及水位高度資料。本研究室在科技部經費長期支助下，在衛星遙測資料建構及人員技術之培訓方面已趨於完善，可應用暨解明許多重要水產資源海洋學與重要經濟物種(鮪、烏魚、燈火漁業等)漁況預報之可行性，並逐漸發展成為本校重點研究室之一。

前項技術能力也擴展應用在環境生態永續發展方面，除協助掌握基礎浮游性橈腳類及仔稚魚組成及其與水文環境變動關係之生態系動力特性(如台灣淺灘)外，亦嘗試以Future Earth Coast思惟結合社會-生態系統模式，透過不同層級的共有資源永續利用與互動溝通之思維，整合公民與資源、人類生命財產、共同學習、公平與正義、參與者管理與治理、韌性與調適等面向，建立跨層級之調適治理與永續發展模式的示範案例。



姓名: 李明安

現職: 海洋大學環境生物與漁業科學系特聘教授

台灣地球觀測學會理事長

國際泛洋遙測學會副會長

台灣水產學會刊總編輯

經歷:

2014/09: 海洋大學環境生物與漁業科學系特聘教授

2008~2014/8: 海洋大學環境生物與漁業科學系教授, 兼海資院院長

2005~2007: 海洋大學環境生物與漁業科學系教授兼主任

2004/7~10: 美國商業部海洋大氣管理總局西南漁業中心訪問學者

2000/7~10: 美國聖地牙哥大學Scripps Institute訪問學者

1996~2000: 海洋大學漁業科學系教授

1991~1995: 海洋大學漁業科學系副教授