



Al Songcuan

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Profile

Over 10 years of work experience with academe, government, private companies, non-government organizations and other stakeholders on research projects and consultancies.

Well-rounded environmental research scientist with diverse set of skills in marine science, fisheries, climate change, environmental impact assessment, ecology, management, GIS and remote sensing.

Skills

General

- Leadership and team management
- Scientific and technical writing
- GIS mapping and remote sensing
- Database management
- Environmental Impact Assessment

Software

- QGIS and ArcGIS
- ENVI and eCognition
- R statistics
- Photoshop
- CPCe Image Analysis

Qualifications

- PADI Divemaster
- PADI specialty wreck and enriched air diver
- Environmental Research Scientist VETASSESS Assessment
- QLD Recreational Boat Driving License
- Reef Check Ecodiver and Surveyor

Experience

Environmental Research Scientist/ GIS Specialist • Reef Ecologic • 2019 *Townsville, Queensland, Australia*

Analyse and visualize spatial information and integrate ecological and field data to assess environmental impacts on coral reefs of the Great Barrier Reef. Conduct marine research, surveys and monitoring, citizen science, GIS, project development and database management.

Science Research Specialist II • UPDGE-TCAGP • 2015 - 2018

University of the Philippines Diliman Geodetic Engineering – Training Center for Applied Geodesy and Photogrammetry

Blue carbon and blue carbon ecosystems research to develop a decision support system and enhance the capacity of Local Government Units (LGUs) and communities in mapping, monitoring and planning for the conservation of blue carbon ecosystems and marine protected areas. Manage a team of researchers in developing a methodology to extract mangrove resources from satellite images and provide baseline information and management inputs for National Integrated Protected Areas System (NIPAS) sites in the Philippines.

Research Assistant • MERF-UPD • 2013 – 2015

Marine Environment and Resource Foundation – University of the Philippines Diliman

Collect biophysical and socioeconomic data important in establishing baseline information to monitor fisheries resources and assess community vulnerability to climate change. Identify key issues and threats to coastal marine resources to promote management and threat reduction. Integrate biophysical, socioeconomic, and geospatial data to identify high value fishing grounds, and map out resources, vulnerable fisheries and gear use

Research Assistant • NFRDI-BFAR • 2011 – 2012

National Fisheries Research and Development Institute – Bureau of Fisheries and Aquatic Resources

Climate and fisheries research to determine the status of national stock and vulnerabilities of communities dependent on fisheries resources.

Education

Master of Science in Marine Biology (Professional) with Distinction

James Cook University, Townsville, Australia • 2019 – 2020

Master of Science in Marine Science (25 units)

Marine Science Institute, University of the Philippines Diliman • 2012 – 2015

Bachelor of Science in Biology

University of the Philippines, Los Baños, Laguna, Philippines • 2006 – 2010



Reef Ecologic
For a better planet