

EXPERT'S PROFILE

Name of Grantee : Charina Lyn A. Repollo, PhD

Area of Expertise : Physical Oceanography, Marine Science

Inclusive Date of Contract as BSP Awardee : October 2019 – February 2021
(Long-Term engagement)

Host Institution : Marine Science Institute
University of the Philippines



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EDUCATIONAL BACKGROUND

- PhD in Oceanography, University of Hawai'i, Manoa, Honolulu, Hawai'i, 2016
- M. Sc. Marine Science, University of the Philippines Diliman, Philippines, 2005
- B. Sc. Fisheries, university of the Philippines Visayas, Miag-ao, Iloilo Philippines, 1998

PROFESSIONAL EXPERIENCES

University Researcher IV (2018-present)

Marine Science Institute, University of the Philippines, Diliman Quezon City

Project: Kuroshio Current Observing System in the Philippines: Remote observations of the interactions of the Kuroshio with Internal Tides and Mesoscale Currents by High Frequency Doppler Radio Scatterometer (HFDRS) in the Philippine

University Researcher IV (2017-2018)

Marine Science Institute, University of the Philippines, Diliman Quezon City

Project: Securing the Eastern Corridor: Understanding the Resiliency of Reef Environments in the Philippine Rise region (SECURE Philippine Rise)

University Researcher IV Sep2016-Dec2017

Marine Science Institute, University of the Philippines, Diliman Quezon City

Project: National Assessment of Coral Reef Environment

Project Staff (Jan2017-Dec2017)

Marine Science Institute, University of the Philippines, Diliman Quezon City

Project 1a and 1b. Coral Reef Assessments in the West Philippine Sea, Benham Rise and Pacific Seaboard

Teaching Assistant (Aug2015-July2016)

Department of Oceanography, University of Hawai'i at Manoa

Graduate Assistant (Aug2014–Apr2015)

Department of Oceanography, University of Hawai'i at Manoa. Project: High Frequency Radar component of the Pacific Island Ocean Observing System (PacIOOS) .

Teaching Assistant (Aug2013-Jul2014)

Department of Oceanography, University of Hawai'i at Manoa

To Be Accomplished as a BSP Awardee (Deliverables):

- Satellite data gathering, processing and analysis (magnitude and timing of sea surface temperatures (SST) anomalies, timing of SST anomalies versus wind anomalies)
- Investigate implications of SST and wind anomalies to upwelling regions
- Interpretation of research results, presentation of outputs to meetings and conferences
- Conduct of seminars
 - a) Low-frequency Surface currents and generation of an Island Lee Eddy in Panay Island, Philippines
 - b) Marine Heat Wave and its Implications to Upwelling in the Philippines
- Assist research and development projects
 - a) Kurushio Current Observing System in the Philippines
 - b) Luzon Strait and Philippine Rise Observation System in the Philippines
 - c) Philippine Rise Integrated Marine Environment Research (PRIMER)
- Mentor graduate students
- Develop graduate course (Operational Oceanography)
- Establish networks and linkages with PAGASA and Global High Frequency Network