

## Indonesia Regional Training Centre (Ina-RTC) of World Meteorological Organization (WMO): Empowering Capacity of NMHSs in WMO Regional Association V (Southwest Pacific)

Section 1: General Information	
Summary	<p>The World Meteorological Organization's (WMO) Indonesia Regional Training Centre (Ina-RTC) for Regional Association V (RA-V), hosted by the Agency for Meteorology Climatology and Geophysics of the Republic of Indonesia (BMKG) and the Ministry of Public Works and Public Housing of the Republic of Indonesia (PUPR), has become a key institution in promoting capacity development programmes in meteorology, climatology, and hydrology, and related disciplines. Since its recognition in 2012, Ina-RTC has played a significant role in promoting expertise both nationally and globally.</p> <p>In 2020, Ina-RTC reached a milestone by hosting the Ocean Teacher Global Academy (OTGA) as a Specialized Training Center (STC) for Marine Meteorology and Tsunami. This development further solidifies its position as a hub for capacity building in the region. By providing specialized training and technical assistance, Ina-RTC has enabled National Meteorological and Hydrological Services (NMHSs) to address challenges related to marine meteorology and tsunami forecasting, thereby enhancing regional resilience to natural disasters.</p> <p>Ina-RTC expanded its role in 2022 as the Indonesia Virtual Laboratory for Education and Training in Satellite Meteorology Center of Excellence (VLab CoE) in WMO RA-V. This mandate focuses on leveraging virtual laboratory technologies to enhance research and training efforts in satellite meteorology. Through the use of cutting-edge technology, the Ina-RTC aims to bridge the gaps in knowledge sharing and capacity development, ensuring that NMHSs in the region are equipped with the latest tools and techniques to address emerging hydrometeorological challenges. Through a combination of training, technical assistance and knowledge sharing, Ina-RTC continues to empower NMHSs in the Southwest Pacific Region to anticipate hydrometeorological disasters.</p>
Proponent Name(s)	Indonesia, BMKG, PUPR, WMO, OTGA
Proponent Type	National Governments
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Region	Asia Pacific

Section 2: Commitment	
Target	Improved NMHSs' services on meteorology, climatology and hydrology through capacity development in water related efforts through water and climate within disaster risk reduction.

Section 3: Actions and Outcomes to Achieve Targets		
Relevant Sub-Theme	Disaster Risk Reduction and Management, Knowledge and Innovation	
Actions and Outcomes	<p>1. Water Balance Analysis for River Basin Planning Training Outcomes: The purpose of this training is to acquaint the participants with the knowledge of analyzing water demand and water availability as well as implementing the result as recommendations for river basin planning.</p> <p>2. Hydrology Data Interpretation (Rating Curve, Sediment Rating Curve, Discharge and Sediment Data Analysis) Training Outcomes: The aim of this training is for the participants to gain an understanding of how to identify the required data, analyze discharge and sediment data, and interpret the data into informative information.</p> <p>3. Hydrological Network to Support Water Resources Management Outcomes: to provide knowledge transfer related to the hydrological network and to gain an understanding of the planning, development, operation, and maintenance of hydrological networks; installation of instruments and hydrological parameters measurement; as well as monitoring and measurement errors so that they can carry out quality control of the existing hydrological data obtained and evaluate the hydrological network in their respective areas of duty.</p> <p>4. Flood Early Warning System (FEWS) Training Outcomes: to gain an understanding of the concept, theory, development, and implementation of FEWS in flood control. Additionally, participants will be able to actively engage in flood control efforts in accordance with their respective roles.</p>	
Implementation Period	Start Period	5/1/2024
	End Period	12/31/2028
Financial Commitment	USD 100.000	