



WORLD METEOROLOGICAL ORGANIZATION
Regional Training Center - Indonesia



Online Training on Ocean Forecast System

16–20 December 2024

The Ocean model represents ocean dynamics and their interactions with the atmosphere, particularly in the Maritime Continent. Regional ocean modeling involves defining domains, selecting equations, parameterizing processes, and using atmospheric data. The three-dimensional numerical model simulates physical processes over time, with BMKG Ocean Forecast System (BMKG-OFS) predicting waves, currents, salinity, and sea temperature for sectors like sea transportation and fisheries. BMKG-OFS consists of three components: the Ocean Wave Model (Ina-Waves), the Ocean Circulation Model (Ina-Flows), and the Drifting Model, which analyze object trajectories and coastal flooding. A training session will focus on marine forecasts and data visualization using BMKG-OFS.

Learning Outcomes

- Understanding the basic concept of Ocean Observation Systems in the Maritime Continent
- Understanding the numerical ocean model and its configuration
- Understanding the ocean model configuration utilization
- Understanding visualization and utilization of ocean forecast system model

Course content

Introduction Lesson :

Overview of Online Training on OFS
Building Learning Commitment

- **Lesson 1:** The Concept of the Ocean Observation System in Maritime Continent
- **Lesson 2:** Numerical Ocean Model and the Configuration for Marine Forecast and Warning
- **Lesson 3:** Ocean Model Configuration
- **Lesson 4:** Visualization and Utilization of Ocean Forecast System Model

Target Audience



Meteorologist



Oceanographers



Researchers



Marine Data Analysts



Marine Forecasters

Course Duration and Format

Format

- Lectures
- Discussion (synchronous and asynchronous via forum)
- Practice Exercises
- Case studies
- Manuals and Tutorials
- Games and Quizzes
- Demonstrations
- Project presentations
- Coaching

Learning Assessment

- Pre-Test and Post-Test
- Quizzes
- Learning Journal

Application Process



Apply before
2 December 2024
23:59 CET

Contact Us:

Rantifa Eka Agustira
rantifa.agustira@bmgk.go.id
+6282123038856

Madona
madona@bmgk.go.id
+628872577787

Please **complete the online application form** available on
<https://otga.wufoo.com/forms/zaf496q0sh8eth/>.