



## Regional Integrated Multi-Hazard Early Warning System

2nd Fl. Outreach Bldg., 58 Moo 9 AIT Campus, Klong Nung, Klong Luang, Pathumthani 12120, Thailand  
Tel: +662 516 0120 Fax: +662 516 5762 Email: rimes@rimes.int Website: <http://www.rimes.int>

# Job Posting

Issue date: 1 June 2026

**Position Title:** Meteorologist

**Open Period:** 1 June – 30 June 2026

**Background:** The Regional Integrated Multi-Hazard Early Warning System for Africa and Asia (RIMES) is an international and intergovernmental institution, owned and governed by its Member States, for the generation, application, and communication of multi-hazard early warning information. RIMES was formed in the aftermath of the 2004 Indian Ocean tsunami, as a collective response by countries in Africa and Asia to establish a regional early warning system within a multi-hazard framework, to strengthen preparedness and response to trans-boundary hazards.

RIMES was formally established on 30 April 2009 and registered with the United Nations on 1 July 2009. It operates from its regional early warning center located at the Asian Institute of Technology (AIT) campus in Pathumthani, Thailand.

**Position Description:** The Meteorologist involves providing technical expertise in Impact-Based Forecasting (IBF) within the domains of hydrology and meteorology, while also supporting project-specific assignments. Key responsibilities include the design, development, and operationalization of hydro meteorological impact forecasting tools; co-production of user-centered services in collaboration with clients, scientific research institutions, and partner agencies; advancement of scientific and modelling methodologies; and active engagement in capacity-building initiatives for stakeholders.

The position will report to the Project Manager and technical leadership, and will coordinate closely with modeling, data science, and system development teams.

**Duty station:** RIMES Regional Facility, AIT Campus, Pathumthani, Thailand.

**Type of Contract:** Full time, project based Contract

## **Minimum Qualifications:**

### **Education:**

- Master's or higher degree in Atmospheric Science, Meteorology, Oceanic Science, Environmental Science, or similar disciplines.

### **Knowledge Skills and Abilities:**

- Demonstrated expertise in dynamic model or AI/ML-based predictive modeling tools and platforms, and geospatial analysis tools including NWP, GG-Earth engine, GIS software (ArcGIS, QGIS).
- Strong knowledge of disaster risk modeling, including integration of forecast products with hazard, exposure, and vulnerability data to support impact-based decision-making.
- Proficiency in programming languages and tools such as Python, R, or similar platforms used for meteorological data analysis, automation, and visualization.
- Experience with WMO-compliant forecasting systems and working knowledge of climate service frameworks is highly desirable.
- Excellent communication and coordination skills, with proven experience engaging diverse stakeholders across multi-agency, regional, or international contexts.
- Demonstrated ability to manage tasks and deliver results under tight timelines, with a solution-oriented and collaborative work ethic.

### **Experience:**

- **Minimum of 3 years of relevant experience** in meteorology, hydrology, disaster risk modeling, or related fields. Demonstrated expertise in numerical weather prediction (NWP) models, ensemble forecasting, and now casting techniques.
- **At least 2 years of hands-on experience** in operational forecasting, with preference for work involving multi-hazard early warning systems (MHEWS).
- **Proven track record** in analyzing meteorological and hydrological patterns, designing impact-based forecasting systems, and integrating multi-disciplinary datasets to support decision-making.
- **Experience in managing multi-stakeholder projects** and facilitating training or capacity-building programs, particularly in collaboration with government agencies, research institutions, and community-based organizations.

### **Personal Qualities**

- Strategic thinker with strong analytical and solution-oriented capabilities in applied climate science.
- Self-driven and capable of working independently while maintaining accountability and initiative.
- Effective collaborator with the ability to work in multicultural, interdisciplinary teams and manage cross-sectoral engagement.
- Detail-oriented and results-focused, with adaptability in dynamic and evolving operational environments.
- Professional, respectful, and proactive in both independent and team-based work settings.

## **Major Duties and Responsibilities**

### **Core Technical Functions**

- Downscale and customize meteorological and climate forecasts to specific geographic locations of interest.
- Analyze and interpret high-resolution weather and climate forecast products in probabilistic terms (e.g., IMD, INCOIS, NCMRWF, ECMWF, WRF, etc), with a focus on high-impact extreme events such as cyclones, storm surges, tsunamis, floods (urban & riverine), extreme rainfall, lightning and heatwaves.
- Integrate forecast uncertainty, risk, and consequence factors to transform meteorological data into actionable hazard forecasts.
- Collaborate with AI/ML experts, GIS analysts, and disaster risk professionals for model integration, automation, and performance enhancement.
- Co-design and validate disaster risk models in collaboration with the RIMES IT team to improve model accuracy and operational reliability.
- Co-design and implement sector-specific early warning protocols for national and state disaster management authorities.
- Support the development of decision-support tools and interactive dashboards for communicating forecast-based risk insights to emergency planners and end-users.
- Deliver capacity-building workshops and training programs to strengthen the technical skills of national meteorological and disaster risk management institutions on IBF methodologies.
- Contribute to the preparation of localized impact outlooks and early warning bulletins and develop the sector-specific hazard risk maps and forecast-based early warning templates.
- Contribute to the generation of impact forecast bulletins and the development of technical documentation, including SOPs and IBF guidance notes for disaster management stakeholders.

### **Capacity Building and Stakeholder Engagement and Documentation**

- Facilitate training programs for internal teams and external stakeholders, covering RIMES policies, operational procedures, and the use of forecasting tools and systems.
- Lead training and implementation of IBF models for IT and disaster management teams.
- Prepare comprehensive technical reports, progress updates, and outreach materials for stakeholders, including senior officials and executives
- Maintain detailed project documentation including strategies, workflows, milestones, outcomes, and impact assessments.
- Prepare and maintain Standard Operating Procedures (SOPs) for project-based services and ensure continuity of critical operations, including data management, forecasting workflows, system maintenance, and other essential functions. These SOPs will serve as reference documents to standardize practices, minimize disruptions, and ensure accountability across all activities.
- Compile capacity-building workshop content, training materials, and post-event reports.

### **Other Responsibilities**

- Provide technical inputs to support system implementation and development of decision-support systems (DSS) for early warning and risk reduction.
- Support operational readiness for client early warning systems, including participation in 24/7 support rotations, with backup from RIMES Headquarters.
- Undertake additional responsibilities as assigned by the immediate supervisor or HR manager, based on organizational needs and recommendations from RIMES technical teams.
- Perform any other tasks relevant to the role as may be required from time to time.

### **How to Apply:**

Interested candidates should send your application letter, resume and 2 referees to [rimeshra@rimes.int](mailto:rimeshra@rimes.int) by midnight of **30 June 2026**, Bangkok time. Please state “**Meteorologist : Your Name** ” the Subject line of the email. Only short-listed applicants will be contacted.

Ms. Dusadee Padungkul  
Head of Operations and Programs  
Regional Integrated Multi-Hazard Early Warning System  
AIT Campus, 58 Moo 9 Paholyothin Rd., Klong 1,  
Klong Luang, Pathumthani 12120 Thailand.

RIMES promotes diversity and inclusion in the workplace. Well-qualified applicants particularly women are encouraged to apply.