

Isabel Ramos Parado

Meteorological Engineer
Specialist in Forecasting and Disaster Risk Management



Meteorological Engineer specializing in short- and very-short-range forecasting, the analysis of extreme hydrometeorological events, and Disaster Risk Management (DRM). I possess extensive experience providing technical advice for strategic and operational decision-making at the National Emergency Operations Center (COEN); this involves analyzing, interpreting, and communicating timely meteorological information to relevant authorities, thereby contributing to hazard anticipation and emergency response. Additionally, I have experience developing risk scenarios at the National Center for Disaster Risk Estimation, Prevention, and Reduction (CENEPRED), integrating technical-scientific data to support risk prevention and reduction processes.

Personal information

Birthdate : 17/08/1992
Birthplace : Lima, Peru.
E-mail : isabelrmsprd@gmail.com
Telephone: +51989947609

Academic

National Agrarian University 2010-2014
BSc Meteorology (upper third in the science faculty, 14.16)

National Agrarian University (Degree candidate) 2021-2023
Master in water resources

Career history

National Center for Disaster Risk Estimation, Prevention, and Reduction - CENEPRED
SPECIALIST IN MODELING AND METEOROLOGY SPECIALIST
August 2026 –Present

- Contributed to the development of geospatial hydrometeorological models and risk scenarios through the integration of meteorological, climatological, and hydrological data using GIS.
- Assessed hazards associated with extreme rainfall, temperature, and climate variability (El Niño and La Niña), identifying potentially affected areas and critical infrastructure.

National Institute of Civil Defense - INDECI
METEOROLOGIST ANALIST January 2020 – July 2026

- Management of technical-scientific information (meteorological, climatic, hydrological, geological, among others) to identify hazards and support evidence-based planning for reactive management.
- Inter-institutional technical coordination in the face of hazard scenarios and imminent threats.
- Design and formulation of regulatory guidelines for plans and protocols to ensure operational implementation in response to various events.

National Weather Service and Hydrology of Peru - SENAMHI

METEOROLOGIST SPECIALIST

May 2015 – December 2020

- Responsible for weather forecasting and identifying of severe weather, in different time scales, since a very short range forecast to 10 days range.
- Take part in technical workgroups or projects relates to the early warning system, High Mountain and cryosphere, impact-based forecast, and so on.
- Research on extreme weather and mountain meteorology. Moreover, participation in national and international conferences as expositor and presenter of scientific posters.

Publications

- **I. Ramos.** V. Aliaga. A. Castro., “Heavy snowfalls in Peru: the wettest winter of the last 19 years”, Bull. Amer. Meteor. Soc. (2019)
<http://bit.ly/39a2vla>
- **I. Ramos.** K. Takahashi. G. De la Cruz., “Spatial and temporal analysis of daily precipitation during the coastal El Niño 2017 in Peru”, Conference Handbook of IV International Conference on El Niño Southern Oscillation: ENSO in a warmer Climate, Session 1. ENSO Observations (2018).
<http://bit.ly/2S004Sl>

Conferences/ Schools

Summer Advanced School and Workshop on American Monsoons: progress and future plans in Brazil 19 – 24 August 2019

Organized by ICTP-SAIIR

Research: Assessing precipitation events in the Peruvian Amazon associated with the South American Monsoon. <http://bit.ly/390KPP4>

I Tropical Glaciers Symposium in Lima 16 - 17 August 2019

Organized by University of Engineering and Technology.

Research: Influence of cloudiness on the incident shortwave radiation of Nevado Coropuna. . <http://bit.ly/2GW3Ypf>

IV International Conference on El Niño Southern Oscillation: ENSO in a warmer Climate in Ecuador 16 -18 October 2018

Organized by CLIVAR and CIIFEN.

Research: Spatial and temporal analysis of daily precipitation during the coastal El Niño 2017 in Peru. <http://bit.ly/2RZRR0F>

Areas of expertise

Climate Analysis
Disaster Risk Management
Weather forecast
Risk Scenarios

Tropical glaciers
Satellite meteorology
Mountain Meteorology
Remote sensing

Extreme events
QGIS/ArcGIS
Grads
Phyton

Languages

Spanish (Native Language)
English (Intermediate - Advance)