

MISSPAD helps achieve sustainable development goals in B&R countries

Weather and climate forecasting lie at the heart of disaster prevention and mitigation, which is associated with many key Sustainable Development Goals (SDGs) of the United Nations. Countries along the Belt and Road (B&R), due to their unique geographic locations, climatic environments, and poor economic conditions, are susceptible to meteorological and climatic disasters such as typhoons, torrential rains, droughts, sandstorms, heatwaves, and cold waves. Therefore, strengthening the capacity building of meteorological forecasting and disaster prevention services in these countries is the key to responding to natural disasters and achieving UN SDGs. The Multi-model-Integrated Subseasonal-to-Seasonal Prediction and Application in Disaster Risk Reduction (short for MISSPAD) is organized by the Institute of Atmospheric Physics of the Chinese Academy of Sciences (IAP), and jointly participated by the National Climate Center (NCC), the Beijing Normal University and Aerospace Information Research Institute, based on the prediction system of FGOALS-f2 from IAP and The China Multi-Model Ensemble Prediction System (CMME) from NCC. This demonstration project will explore new pathways for sustainable development by sharing and applying the sub-seasonal to seasonal weather and climate forecasts in the Belt and Road regions. With our partners in Nepal, Sri Lanka, Thailand and Kyrgyzstan, we will help to improve the ability of weather disaster prevention in related countries, safeguard food security, ecological environment, and socio-economic development.



