

The project is jointly implemented by...



Toowoomba, Australia



Collaborating Partners:

Willis Towers Watson, London, United Kingdom;
Climate Change, Agriculture and Food Security (CCAFS);
International Institute of Rural Reconstruction (IIRR).

Supported by



Federal Ministry for the
Environment, Nature Conservation,
Building and Nuclear Safety

This project is part of the International Climate Initiative (IKI). The Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU) supports this initiative on the basis of a decision adopted by the German Bundestag.

Contact

Dr Pablo Imbach

*Climate and Ecosystems Scientist international
Centre for Tropical Agriculture (CIAT)*

Mobile +84 822 813 253

Email p.imbach@cgiar.org

Professor Roger Stone

Director

*Centre for Applied Climate Sciences
University of Southern Queensland, Australia*

Mobile +61 437 349 168

Email Roger.stone@usq.edu.au

usq.edu.au/research/institutes-centres/centre-for-applied-climate-sciences



Overall aim of the project is...

This project will develop climate risk management systems, best practices and insurance products that will shield smallholder farmers and businesses engaged in producing coffee, sugar, rice, cassava, rubber, dairy, and grazing across the agricultural value chain in key SE Asia countries from physical and financial disaster associated with climate change.

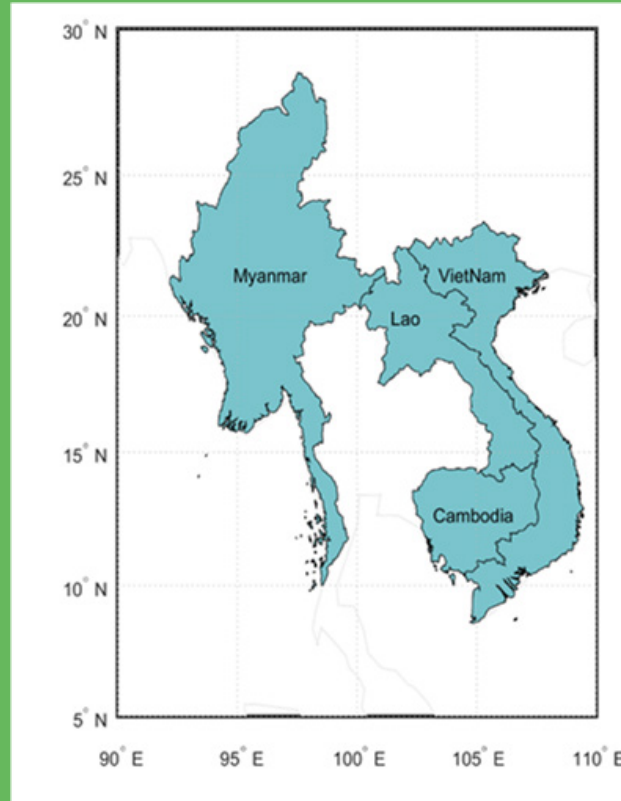


De-RISK South East Asia

Applying seasonal climate forecasting and innovative insurance solutions to climate risk management in the agriculture sector in SE Asia

Focus area

Cambodia, Lao PDR,
Myanmar (Burma), Vietnam



Background

Climate change is threatening the livelihoods and food security of millions of poor smallholder farmers and agribusinesses who depend on agriculture in the South East Asia region. Despite the fact that the El Nino/ Southern Oscillation system has such a major impact in the region and such impacts will likely be exacerbated under climate change, there is very little application of seasonal climate forecasting in managing the associated risks in the agriculture sector.

The ability to forecast extreme/unusual climate conditions months in advance is potentially one of the most important developments in the environmental sciences of current times and this project aims at improving seasonal climate forecasting capabilities in Southeast Asia countries to better prepare smallholders farmers for future climate extremes and to increase climate resilience.

Approach

The project goals will be achieved through six key comprehensive planned measures:

1. Identification of suitable seasonal forecast systems to assist farmer decision making.
2. Participatory workshops and socio-economic surveys to explore climate change risks, adaptation challenges, enabling factors and barriers.
3. Targeted seasonal to multi-year forecasts to assist with incremental climate change adaptation.
4. Financial risk management tools, including index-based insurance products.
5. Knowledge-driven national and regional adaptation and risk management strategies, and suitable incentive driven programs and measures.
6. Developing a comprehensive monitoring and reporting of adaptation and improvement strategy system (MRAI).

