



Sharing of experience from Indonesia and Thailand

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The project is being implemented by the Asian Development Bank through the technical assistance (TA 8359-REG) financed by the Japan Fund for Poverty Reduction.



ADB Technical Assistance

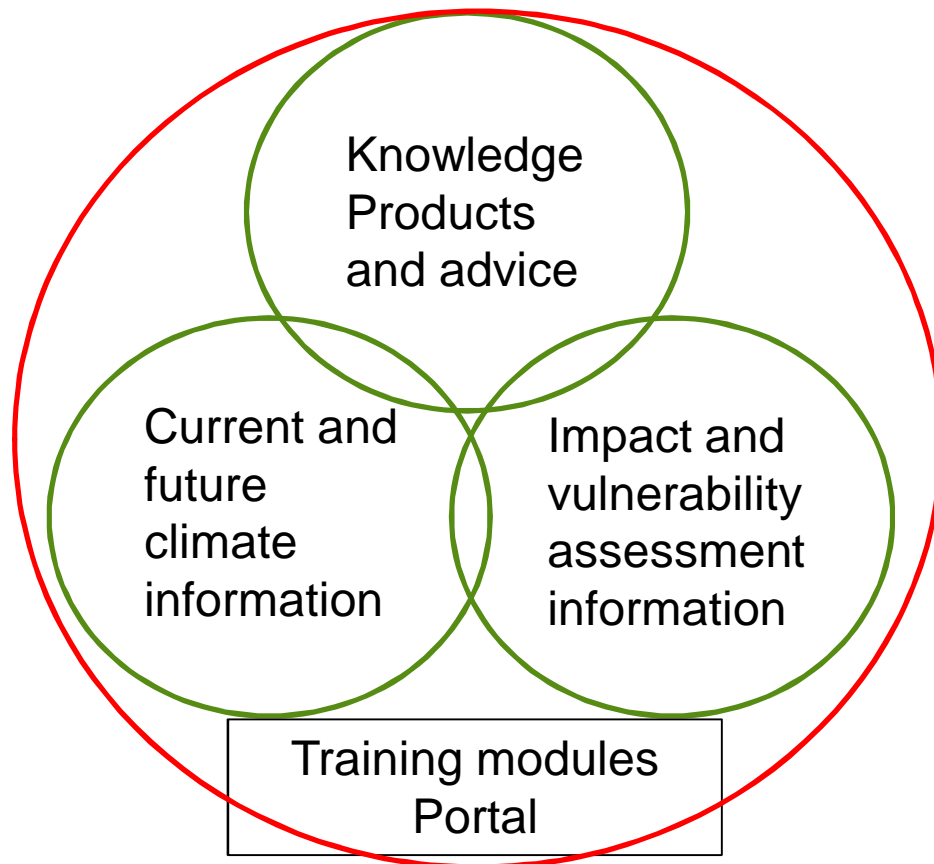
Develop a transition and business plan for the operations and long-term sustainability of the consortium

The three key goals of the Consortium are:

1. Strengthening of partnerships and organizational arrangements between government agencies, the private sector, civil society, the community and other stakeholders
2. Promoting joint planning, implementation and delivery of country-focused outcomes
3. Harmonization, effective coordination and strengthening of existing and emerging international partnerships for the Asia and the Pacific region on climate change and related issues

Vision statement

The Regional Climate Consortium will be the main provider of climate information for impact assessment in the Asia-Pacific Region



The **Consortium** will work with the **implementing agencies and others** to:

1. Adopt best practises
2. Increase capacity
3. Implement and support portal
4. Learn by doing
5. Collaborate across the region
6. Make the consortium sustainable

Indonesia Case Study

East Java Province Study Area



Assessment types:

- Climate projection assessment:
 - Statistical downscaling
 - Dynamical downscaling from six Global Climate Models (ACCESS1-0, CCSM4, CNRM-CM5, GFDL-CM3, MPI-ESM-LR, and NorESM1-M)
- Drought hazard assessment:
 - Develop Drought Hazard Index (DHI) by using indicators of Standardized Precipitation Index (SPI) of 3 and 6 month-durations, as well as Dry Spell

Time frame:

- Baseline period: 1981 – 2010 (refer to the merged TRMM-APHRODITE and TRMM dataset availabilities)
- Projection period: 2011 – 2040 (refer to the time frames of the Local Spatial and Development Plannings to which the adaptation would be mainstreamed)
- Both periods also refer to the recent study JICA-ATR 2015

Indonesia

- Computation of drought hazard for planning
- Used both dynamical and statistical downscaling approaches
- Multi-agency approach

- Key aspect at workshop was the need to share information between various agencies

Thailand Case Study

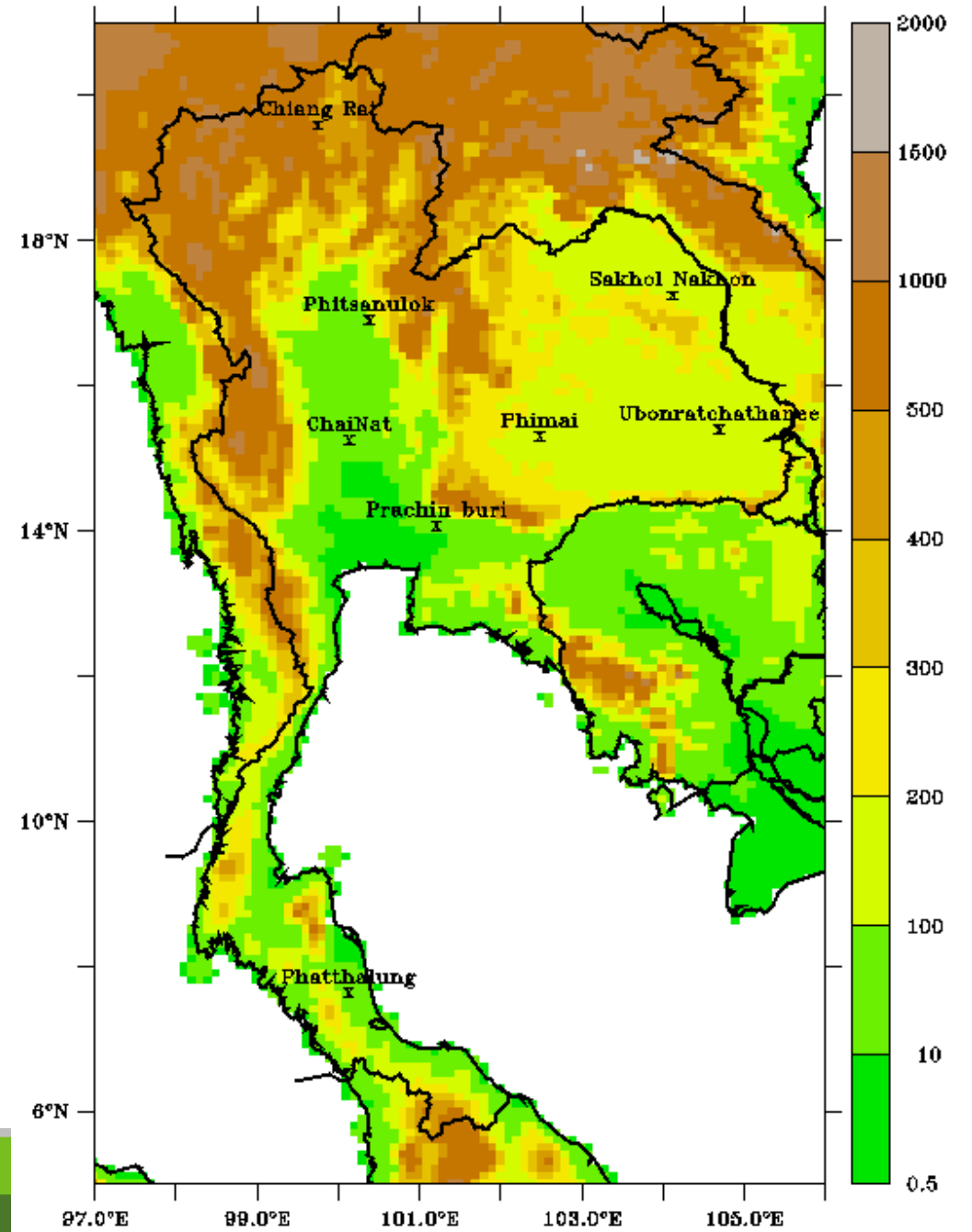
- Impact of Climate Change on rain fed rice
- Eight (8) sit selected across Thailand
- Primarily based upon high resolution dynamical downscaled projections

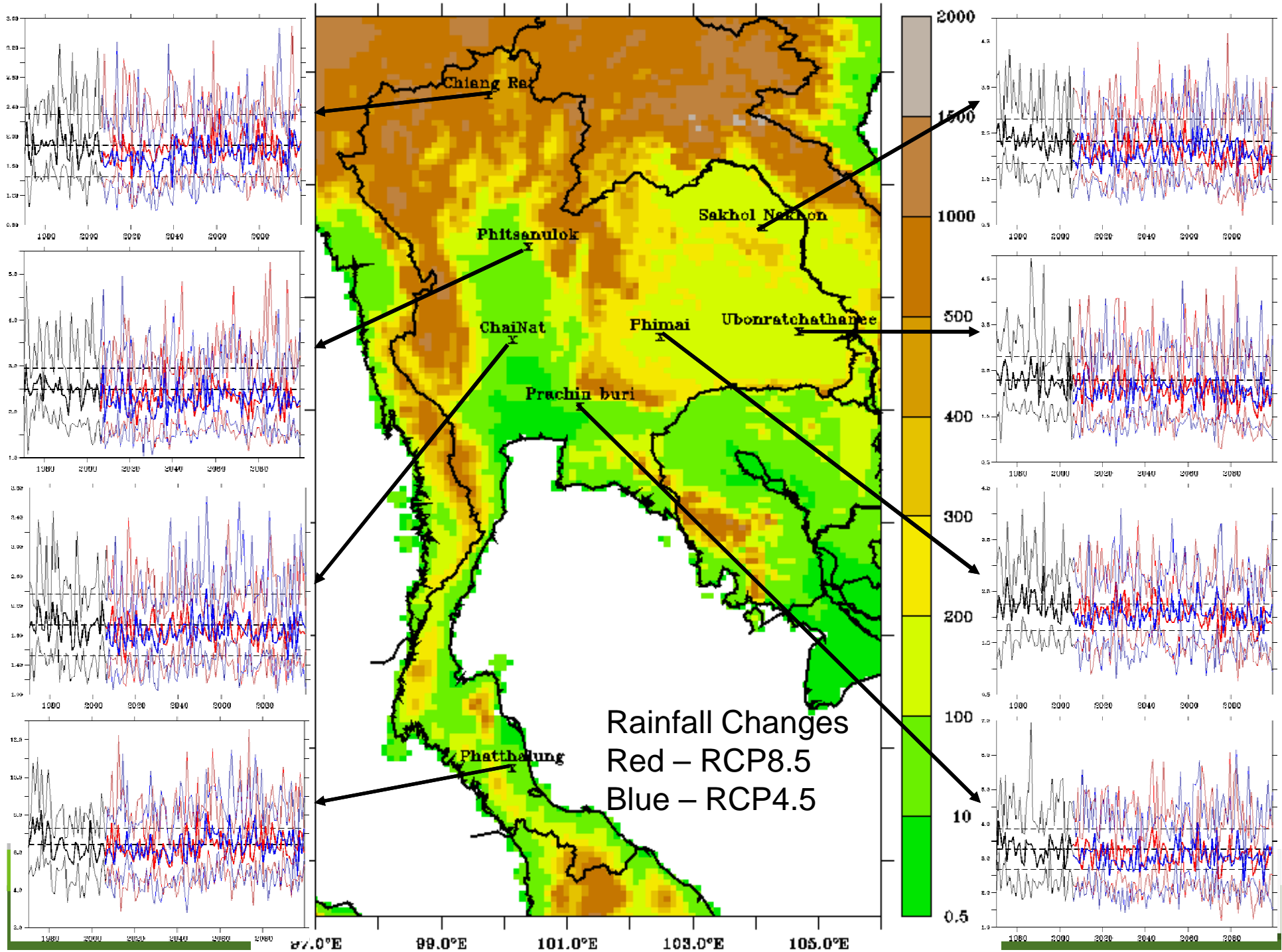
- Key findings
 - Importance of other factors

- Expressed need for National Consortoum

Requirements

- Rice Model needs daily:
 - Tmax,
 - Tmin,
 - Rainfall and
 - Solar Radiation





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Thank you! Questions?

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Regional Climate Projections Consortium and Data Facility for Asia and the Pacific

Use of climate services in Asia and the Pacific is challenged by limited reliable climate information, insufficient capacity to interpret and use climate information, and limited technical and financial resources.

The Regional Climate Projections Consortium and Data Facility (RCCDF) will develop a community of practice to provide this in a cost-effective and sustainable manner through capacity building. The RCCDF project¹ will address these challenges by providing:

1 Access to climate information.



2 Guidelines and examples for conducting impacts and vulnerability assessments.



3 Knowledge sharing and learning.



RCCDF GOALS:

- Adopt best practices for adaptation planning
- Support learning by doing
- Develop in-country capacity for using climate information in impacts and vulnerability assessments
- Implement and support the portal (an online resource with links to data and information)
- Increase collaboration on assessment of common regional climate impacts

THE RCCDF WILL PROVIDE ACCESS TO:

- Available current and future climate information
- Guidelines on how to develop, interpret and use climate information
- An online web interface (portal) to provide access to the guidelines, learning materials and other related services.

¹ The project is being implemented by the Asian Development Bank through the technical assistance for Regional Climate Projections Consortium and Data Facility in Asia and the Pacific (TA 8359-REG) financed by the Japan Fund for Poverty Reduction.