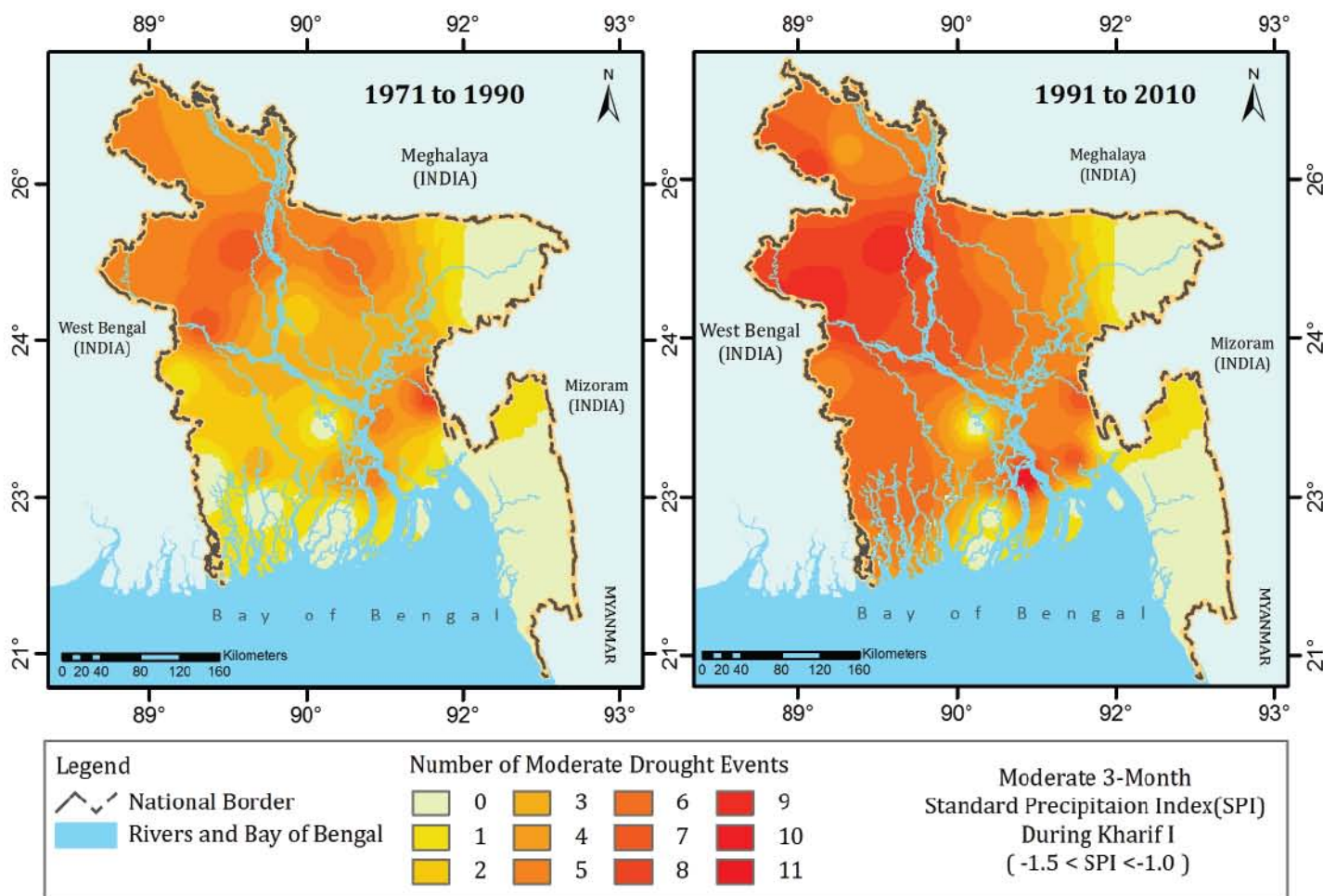


AGROMET

Production and Service of Agro-meteorological Information for the Adaptation to Climate Change

Agricultural production is largely depends on the weather and climate information. Being an agrarian country, the information derived from hydro-meteorological and satellite observations are not readily available or analyzed to produce fruitful information for crop growth. A number of statistical analysis based on the real time agro-meteorological data collected from the field and ground based observation stations can be performed. Based on this information, various types of risks indications (e.g. drought, flood etc.) can be derived. It is also possible to develop agro-climatic zoning of the country based on the historical risks according to the crop. Another challenge exists on the effective and rapid dissemination of these risks information the farmers. Using the internet technologies and mobile communications can provide viable low cost alternatives to the tradition communication system.





Goals & Objectives

The objectives of this project are:

- Collection of local agro-meteorological data such as air temperature, precipitation, and solar radiation, etc. in all collaborative countries
- Analysis of agro-meteorological variation and classification of agro-climatic zones according to crop.
- Changing agro-meteorological basic data into useful information such as drought index, GDD (growing degree day), crop period, etc.
- Maintenance and management service of agro-meteorological observation system (i.e., automatic weather system) to improve reliability of agro-meteorological data.

The goal of this project is to collect and analysis local agro-meteorological data, change data into useful information, disseminate information to end-users, and understand the maintenance and management service of agro-meteorological observation system to improve reliability of agro-meteorological data and reduce climate damage in the Asian region.

Project Partner

- Bangladesh Agricultural Research Council (BARC)

Research Team

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