

Climate Activities and Services in Beijing Climate Center

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1. China Framework for Climate Service (CFCS)

CFCS is a user-oriented service platform acting on government's and customers' demand. It provides climate services based on five pillars, in terms of observation, prediction, climate service information system, user interface platform, and capacity development (Fig. 1). Extend climate services for priority areas on multi-timescale with relevant and high-quality climate information to support disaster risk reduction and adaptation (Fig. 2). BCC has established the East Asia Monsoon Monitoring System (Fig. 3), the Climate Model system (Fig. 4), to underpin the implementation of CFCS.

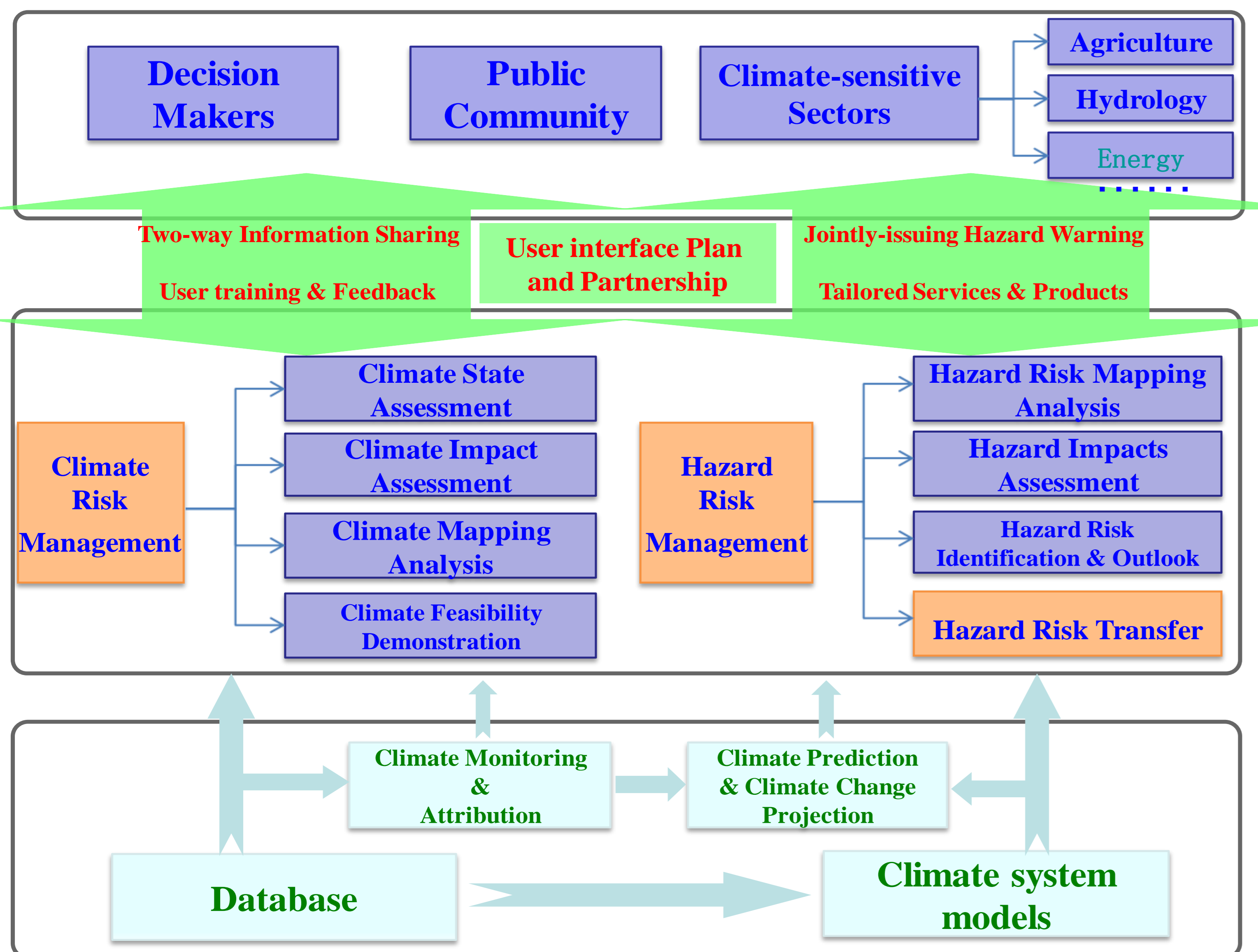


Fig. 1 China Framework of Climate Services

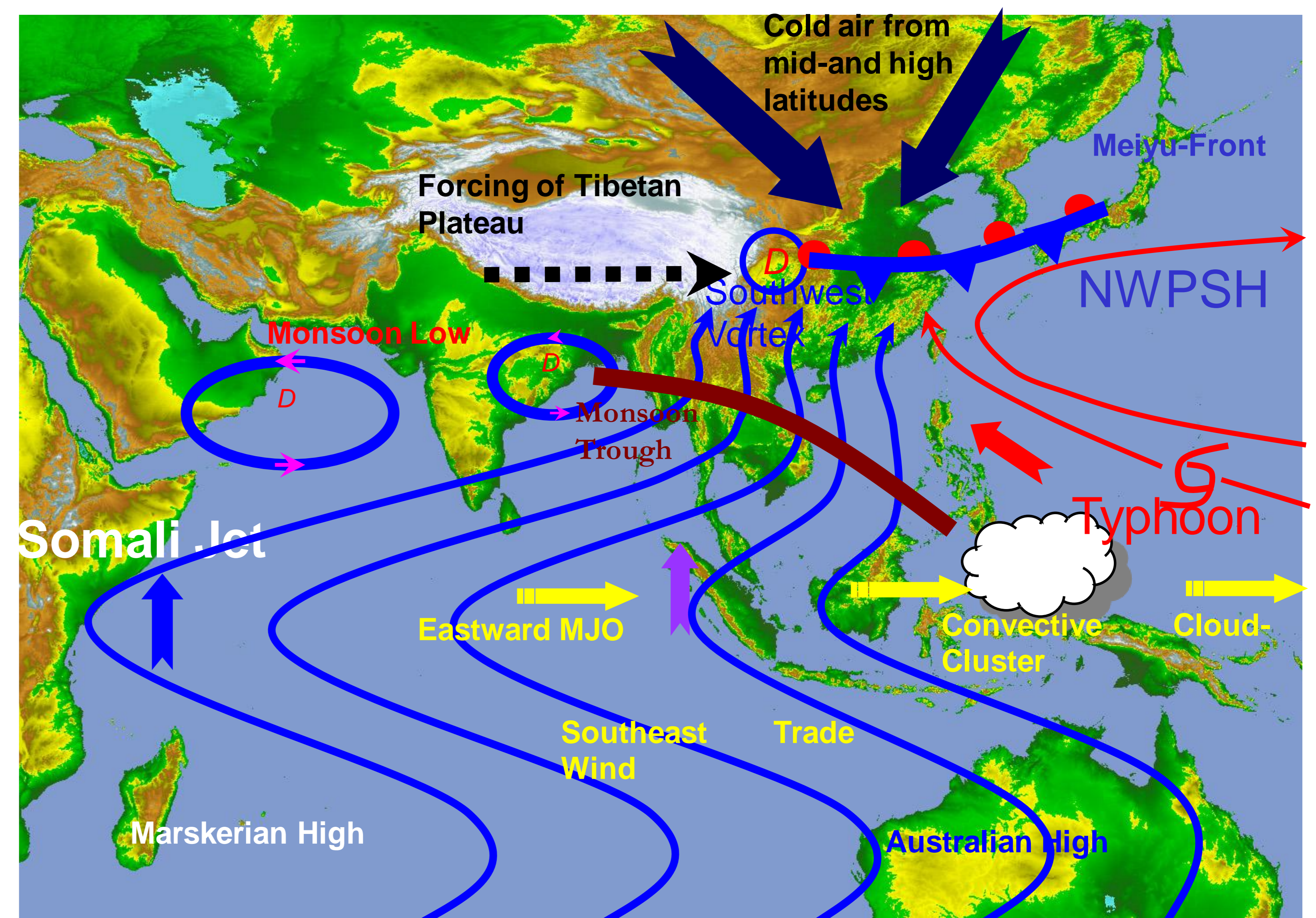


Fig. 3 East Asia Monsoon Monitoring System

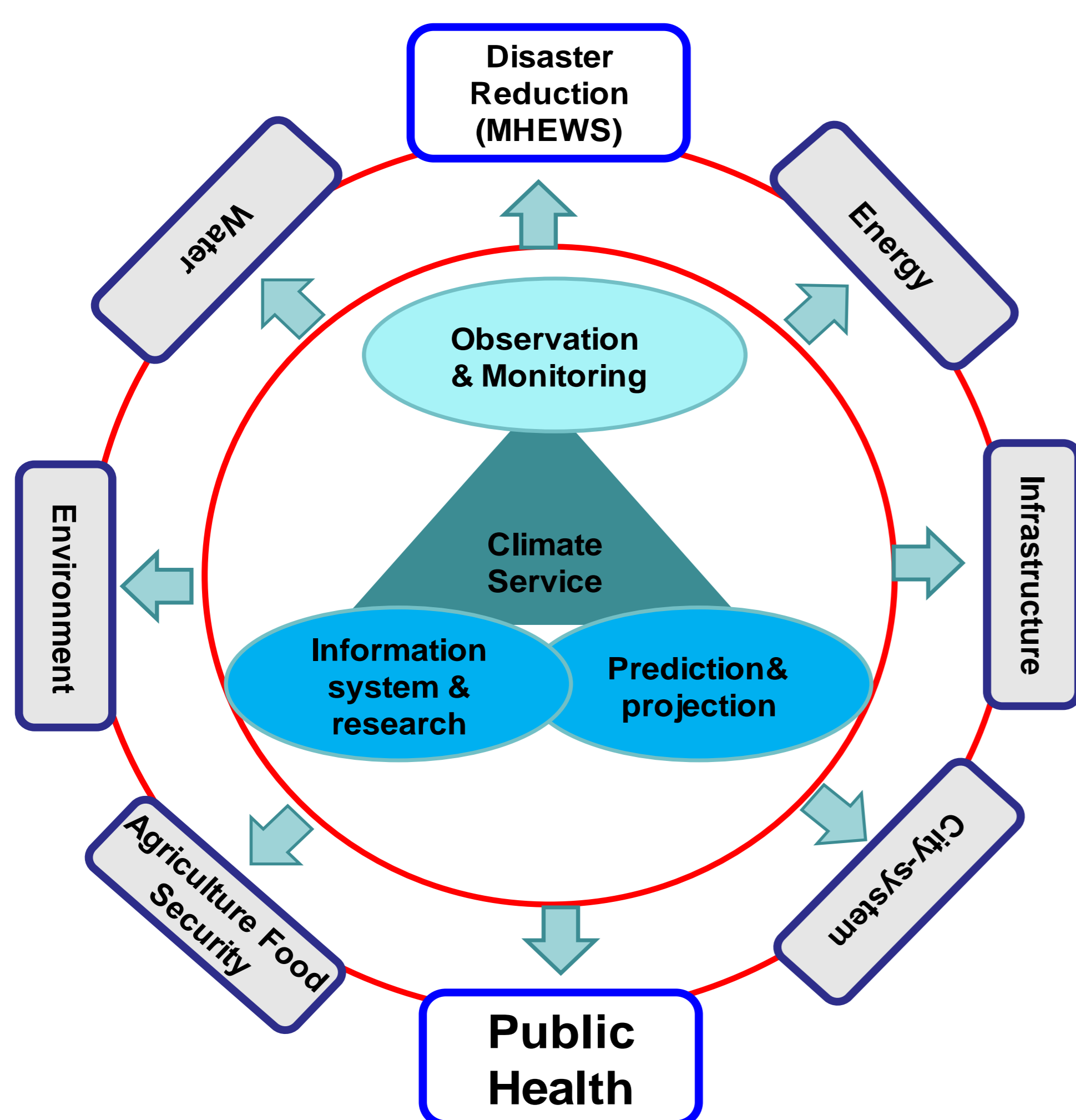


Fig. 2 Priority of CFCS

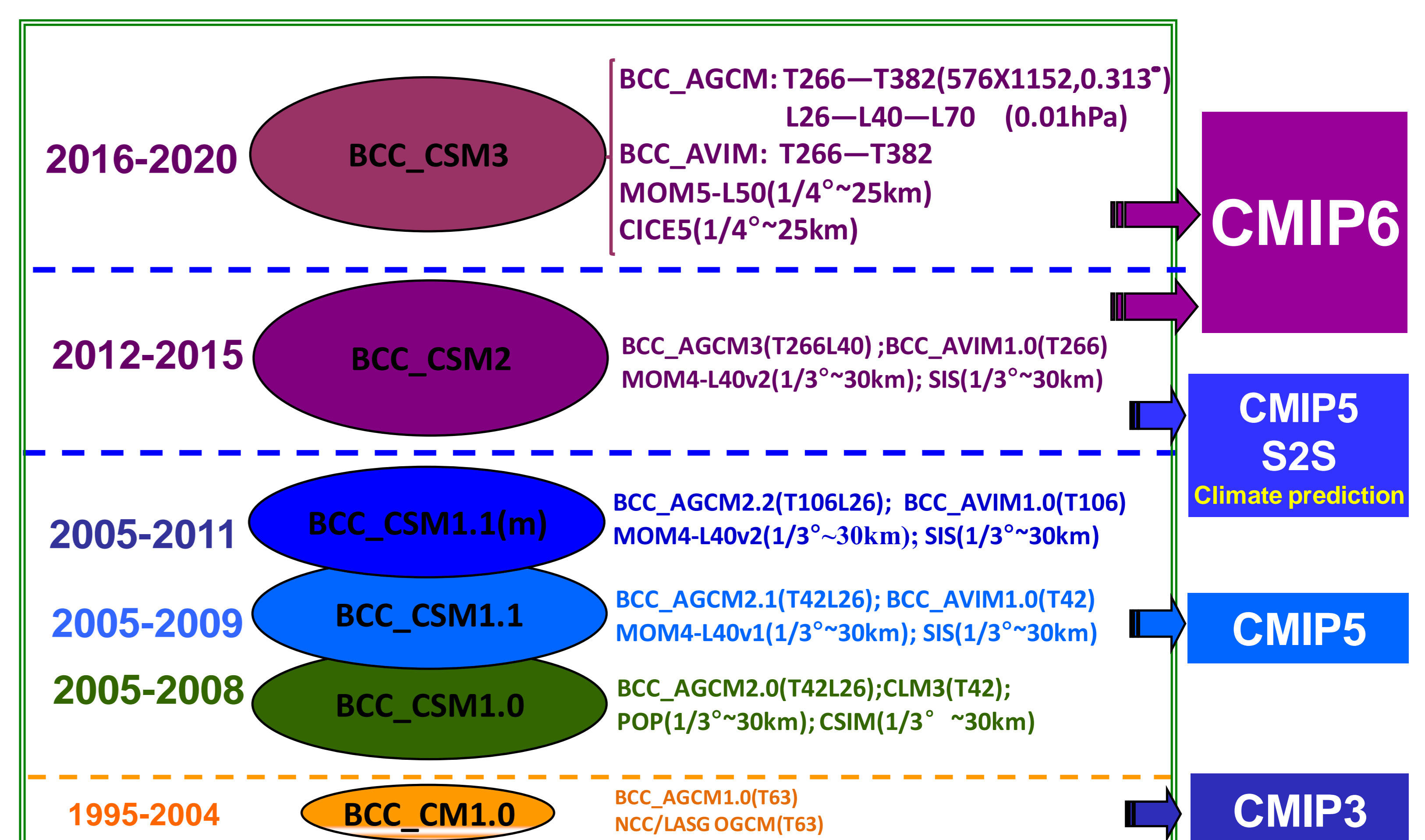


Fig. 4 BCC Climate Model System

2. Future China Framework of Climate Services

A series of pilot projects relevant to agriculture and food security, disaster risk management, water resources, energy and urban areas have been launched by BCC of China Meteorological Administration, which leads to an accumulation of experiences and lessons learned during the implementation processes. In order to improve the CFCS, BCC will keep working on, not limited to, monitoring global atmospheric and oceanic conditions, as well as extreme climate events, issuing global climate predictions and impact assessments at monthly, seasonal and inter-annual time scales, collecting different types of disasters datasets, making engagement with global RCCs, GPCs, NHMS on data sharing and technical support and collaboration.

The current gap for climate services in East Asia is the lack of a regional platform and scheme for collecting observation data, distributing outlook products, issuing warnings.