

# Developing the Capacity of Coastal Areas to Adapt to Climate Change through Ecosystem-Based Approach

Quan WEN

National Marine Environmental Monitoring Center, China

Zhendong ZHANG

National Marine Environmental Monitoring Center, China

Jing LI

Third Institute of Oceanography, SOA, China

Lin MU

National Marine Data and Information Service, China

With the climate changing, the coastal communities face a lot of challenges, such as the more vulnerable ecosystems, more storm surges, sea level rising, abnormal water temperature and changing species compositions and distributions, etc. More socio-economic impacts were generated in coastal areas. In China, the central government has paid more attention to the impacts of climate change on socio-economic development and issued the Framework of Adaptation to Climate Change in China. It will proceed with eliminating the management gaps, and focus on reducing vulnerability and increasing adaptability of marine ecosystem to climate change. International concepts and management measure, such as ecosystem-based management, biodiversity conservation, adaptive management and marine spatial planning, will be applied to develop the capacity of coastal communities to adapt to climate change.



23-27 November • Manila, Philippines