Research progress of China Jellyfish Project II - Formation mechanism, monitoring, prediction, and control technology of jellyfish disaster in offshore waters of China

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Key words: Nemopilema nomurai, Jellyfish bloom, China Jellyfish Project

As one of specific projects of national key research & development (R&D) plan, the forming mechanism, monitoring, prediction, evaluation and control technology of Jellyfish Bloom in China coastal waters led by Prof. Chaolun Li, from the Institute of Oceanology, Chinese Academy of Sciences, Qingdao, China, named as “China Jellyfish Project II” was endorsed in July 2017. The project will focus on the key processes and controlling factors, which affect the population dynamics of bloom forming jellyfish species in China coastal sea, to clarify the relationship between blooming forming mechanism and the changing marine ecosystem, and to know the trend of jellyfish amount in the future. Besides, this project will aiming to establish the comprehensive prevention and control system for monitoring, early warning and deal with, serve for government general management, control and emergency decision, by studying the early warning criteria for classifying disaster, by developing monitoring method and early warning model for jellyfish bloom, and develop the technology and instrument for preventing and controlling jellyfish disaster. These will provide scientific and technology support for eco-environmental safety and great industrial facility in the coast. This presentation will introduce the research progress of this China Jellyfish Project.