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Title: Re-submit (OA12) Variability of Hydrologic Environment and Its Relationship with Fishing Production in the East China Sea

Abstract:

Supported by the Chinese Academy of Sciences (CAS), the research on Land-Ocean Interactions in the Coastal Zone (LOICZ) was initiated in 1997. Two CAS projects, ◆Land-Ocean Interactions in the China Sea: Their Environmental Impacts◆ (1997-2000) and ◆Study on Land-Ocean Interactions in the Chinese Main Estuaries and Adjacent Continental Shelf (2000-2003), were successively carried out. The projects focused on important issues in the Chinese coastal seas involved with the LOICZ. The East China Sea (ECS) is the one of the largest marginal seas in the western Pacific, with many fishing grounds. Both the Kuroshio and the Yangtze runoff are the major circulation elements affecting the distributions of temperature and salinity as well as nutrients, hence fishery production in the ECS. The present study attempts to search for the variability of hydrologic environment responding the global climate change and its relationship with fishery production in the ECS, and to discuss the effect of Kuroshio and Yangtze River discharge anomalies on the annual catch of hairtail with historic data.

Presentation Mode: Oral

Keywords: variability, hydrologic environment, fishing production, the East China Sea, Land-Ocean Interactions

Status: Pending.

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