



## 学术报告 ( No.24 )

### Assessing and improving condition and management effectiveness for China's coral reefs

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#### 报告摘要:

Over the last 5-10 years, the Australian research and Government management communities have had a very strong focus on developing the scientific foundation for assessing and responding to changes in the condition and management effectiveness of the Great Barrier Reef Marine Park and World Heritage Area. This work has considerably advanced theoretical and operational aspects of the internationally accepted “DPSR” (Drivers; Pressures; State; Response) and IUCN Management Effectiveness frameworks. In this project we will use the Great Barrier Reef Outlook Report (2009; 2014) and Strategic Assessment (2014) as templates for similar assessments of condition, pressures, management approaches, resilience and recommendations for future management planning, using the Sanya area of southern China as a pilot study. Critically however, we will first review the approach for suitability to Chinese circumstances (Governance, cultural context, etc).

#### 专家简介:

Prof. Laurence McCook works in science-based management of marine ecosystems, especially coral reefs. He has a one year President's International Visiting Professorial Fellowship from the Chinese Academy of Sciences, to work here at the South China Sea Institute of Oceanology.

Prof. McCook has more than 30 years' experience, including coral reefs in Australia, Indonesia and the “Coral Triangle”, the Pacific and the Caribbean, as well as in temperate ecosystems; he has worked with government, academic, non-government and industry sectors.

Laurence worked for the Great Barrier Reef Marine Park Authority from 2003 to 2014, where he was responsible for the scientific basis of management, including assessing management effectiveness. Before that, he spent 12 years at the Australian Institute of Marine Science, researching the ecology of coral reef resilience and degradation, the effects of water pollution, climate change and over-fishing. He is also and a Partner Investigator in the Australian Research Council Centre of Excellence for Coral Reef Studies. In 2005, Laurence was awarded an international Pew Fellowship in Marine Conservation. His Fellowship focused on management and policy to protect coral reefs under climate change, and included a series of capacity building workshops on coral reef management across Indonesia, and in Malaysia.

Laurence's work at SCSIO aims to strengthen connections between science and management for China's threatened coral reefs. His work will include:

Assessing i. the condition of coral reefs and ii. the effectiveness of reef management.

Ecological processes of degradation of coastal coral reefs.

Understanding the historical changes in condition of Chinese coral reefs.

Mentoring early career scientists in an international context.

Foster stronger engagement between Chinese science/research agencies and Government (and community) management agencies.

**欢迎大家参加!**