# タイ国ラヨーン県における
# システムダイナミックスを用いた沿岸域管理政策の提言

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2005年3月22日受付，2005年8月5日採録

## Abstract

This article describes the integrated dynamics model for suggestion of the regional management toward various social issues such as environmental issue coming up to the surface with the development of the society. The coastal area of Rayong province, Thailand is primarily based on tourism and fishery and has some problems such as the increment of the beach garbage and the coral reef destruction. For modeling, four scenarios were developed as the regional management policy which was the provision of alternative employment opportunity. Non-scenario simulation showed the fishery was broken down and the increment of the beach garbage and the coral reef destruction lead the tourism decline in this area. On the other hand, the scenario simulations indicated four scenarios had a good impact on all dynamics model factors, especially aquatic resources. Additionally, dynamics simulations implied fishery and the fishing households played the important role in terms of the sustainable development in the coastal area of Rayong province.