



**Asia-Pacific
Economic Cooperation**

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Agenda Item: VII B

Practice on Eco-aquaculture - Development of Circulating Aquaculture Model

Purpose: Information
Submitted by: China



APEC
PHILIPPINES
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5th Oceans and Fisheries Working Group Meeting
Boracay, Philippines
10-12 May 2015

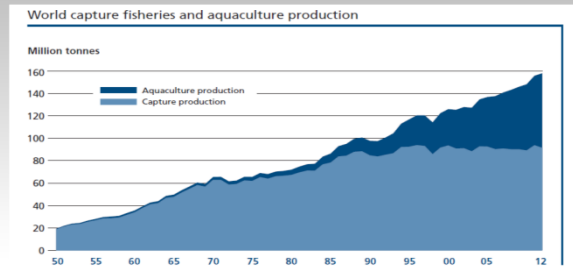
Practice on Coastal Eco-aquaculture — Development of Circulating Aquaculture Model

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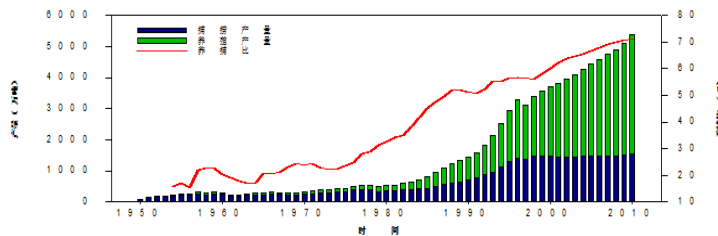
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Zhejiang Mariculture Research Institute
(ZMRI)

Marine fish products are making a big proportion in the food supply



58% capture,
42%
aquaculture



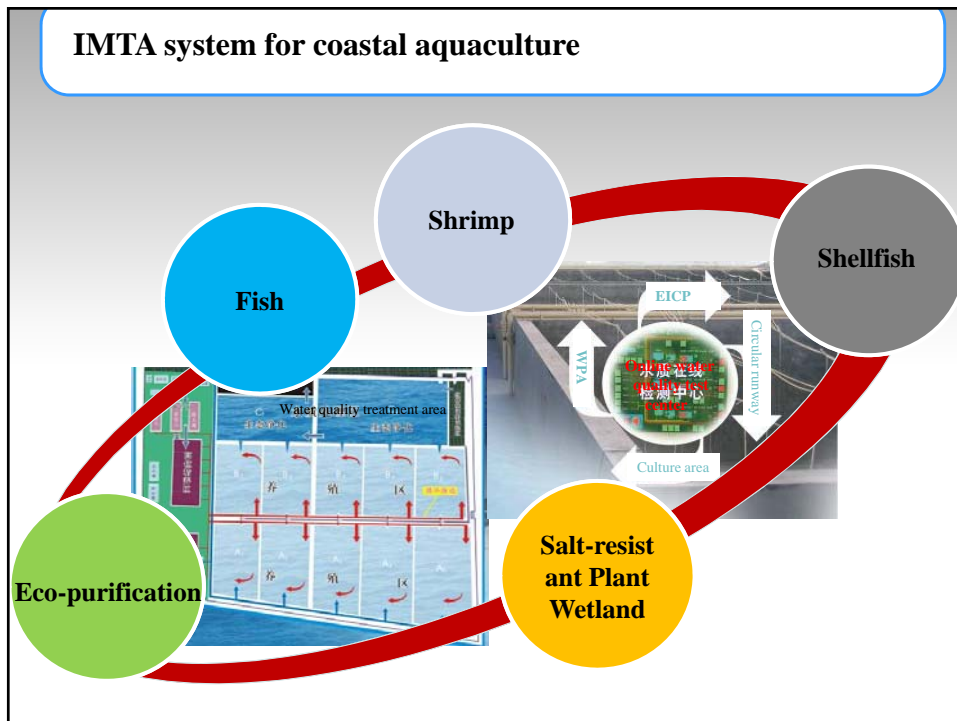
In China,
aquaculture
73%,
capture
27%

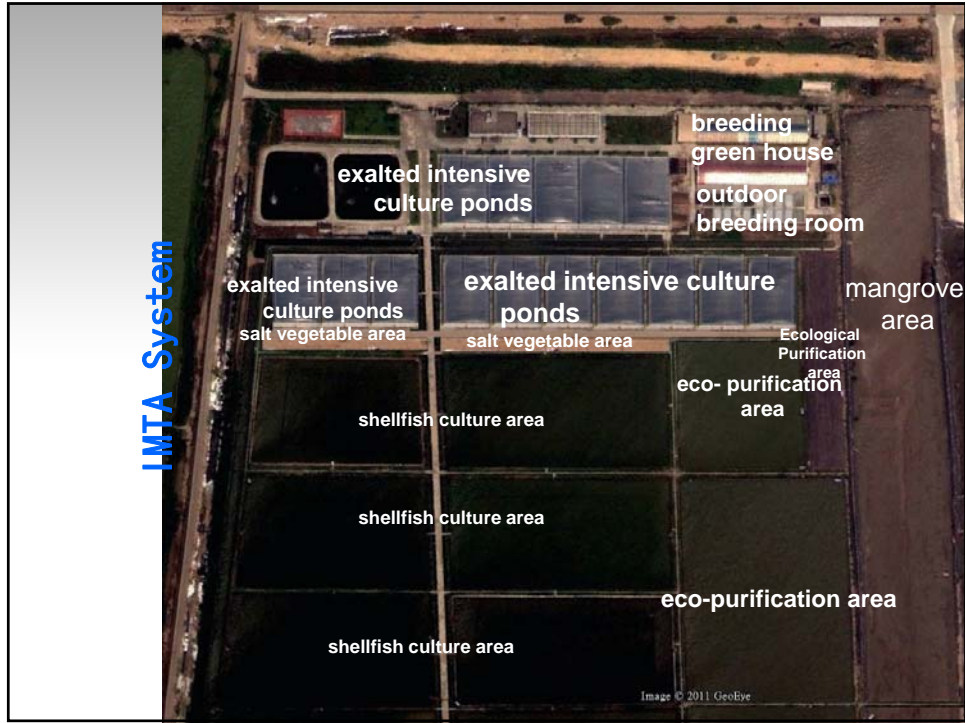
Problems in aquaculture

1. The worsening of water environment
2. Aggravates the seawater eutrophication
3. Aquatic diseases
4. Lost of coastal wetlands
5. Lack of offshore aquaculture space

How to improve it ?

Land-based Integrated Multi-trophic Aquaculture System(IMTA)





Benefits of the circulating model

1. Energy conservation
2. Low emission - comparing to the intensive cultivation mode, it reduces the aquaculture sewage more than 80%
3. Safety - avoiding marine pollution, reducing the spread of pathogens
4. High yield - doubling the net income of traditional cultivation

•IMTA System can make contribution in sustainable fisheries, eco-friendly aquaculture, and play an important role in blue economy, which is an eco-approach in guaranteeing food security.

Thank you for your attention !