

# Necessary Information to Maintain Sustainable Development of surimi Industry and Its Raw Materials for SEA Region



# Topics

- Potential (new) species the unexploited fishing areas/grounds could be further determined (low-valued fish, white/dark-meat, utilization of trash fish?, deep-sea resources ?)
- Role of Major Players
  - National Government? (update data, negotiation, technology support, etc.);
  - Private sector (plants, port)
  - Buyers
- Information sharing among stakeholders
- Enhance/strengthen coordination and collaboration among key stakeholders
- How to obtain up-to-date information
- How to ensure sustainability on the use of raw materials of surimi
- How to promote information collection (i.e. national statistic)
- National needs for processing/capture
- Offshore fisheries management issue

# Topics

1. How to ensure the sustainability for the use of raw materials
2. Potential alternative species
3. Main players (who?, their role?)
4. How to enhance/strengthen coordination and collaboration among the key stakeholders
5. How to improve national information collection on the issue related to fish stock or fishery resources
6. Offshore fisheries management

# How to ensure the sustainability for the use of raw materials

1. Existing fishery resources
  1. Sustainable offshore fisheries management (referred to the outcomes from the SEAFDEC-FAO workshop held in 2008, established fishing season, reduce no of trawlers)
  2. Sustainable coastal fishery management
2. Information on stock status + catch landing + spawning + migration = national fishery policy
3. Application of CCRF and other management tools
4. Improved trawl fishing gear and techniques
5. Strengthen enforcement
6. Strengthen/promotion of CBFM
7. Business-based fisheries management

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# Potential Alternative Species for Surimi raw materials

Countries	Alternative Species	MSY/MEY
Malaysia	Pike Conger Big-eye Snapper	(from long-line fishing, and inshore)
Myanmar	(using only 5 major species will be enough for the 5 plants)	(data from trawl)
Thailand	Barracuda Pike Conger (central GoT) Hair-tail Moray eel (Andaman sea)	
Vietnam	Threadfin Porgy (Euvynnus Cardinalis) Hair-tail Spinfoot (siganidae) Barracuda Hagfish	(stock of Barracuda...)
Peru	Flying Squid	RAC also paid attention

# Role of the National Main Players in Surimi Industries in Your Countries

Agency	Function/Responsible
Government and semi-government	<ul style="list-style-type: none"> <li>-Cooperation, annual meeting among key stakeholder (information from industries → national policy)</li> <li>-Take appropriate action to ensure raw materials supply to the surimi plants</li> <li>-Carry out research on the new species for surimi raw materials</li> <li>-Quality and food safety standard</li> <li>-National fishery statistics</li> <li>-Fishery resources survey</li> </ul>
Department responsible for export/import (i.e. Ministry of Industries, Ministry of Agriculture - Department of Fisheries in Malaysia)	Marketing
Fisheries Association related to frozen or seafood products	Marketing and processing techniques (technology transferred)
Academic	Research and development

# Information Sharing among Key Stakeholders in Your Countries

Agency	Type of Information
Department of fisheries	Fish stock, quality control, standard and seafood safety, no of fishing boat (trawlers), annual fishery statistics, fishing ground, fishing gear, fish species, no of surimi plants, average price of fish species,
Department responsible for import/export	Marketing (countries, demand, etc)
Academy	Results of the research
National fishery association	No of surimi plants, marketing,
National research institute	Fishing ground, fish stock assessment, fish biological information
Regional fishery agency (SEAFDEC)	Regional fishery statistics



# How to Enhance/Strengthen Coordination and Collaboration among Key Players

- Inter-agency coordination (inland and marine, aquaculture, inland and marine capture, processing) through “**Industry Cooperation Council**” (lead by Department of Fisheries) (in Malaysia, states 2 times/y, national 1 time/y)
- **Establishment of National Fishery Association** lead by Department of Fishery (members include all associations and department responsible)
- **Regional/National Surimi Forum** (encourage by Academy or Ministry)

# How to Obtain Up-to-Date Information related to Surimi

- Improved national statistics
- Government incentive to data collector (i.e. Fund for Food – Malaysia)
- Established national legislation