

# IMBeR West Pacific Symposium

CHANGING WEST PACIFIC  
OCEAN: SCIENCE AND  
SUSTAINABILITY

2021 Online  
Event  
11/22-25

# Dried Small Fish

Ecology, Value Chains  
and Nutrition



futurearth  
research for global sustainability

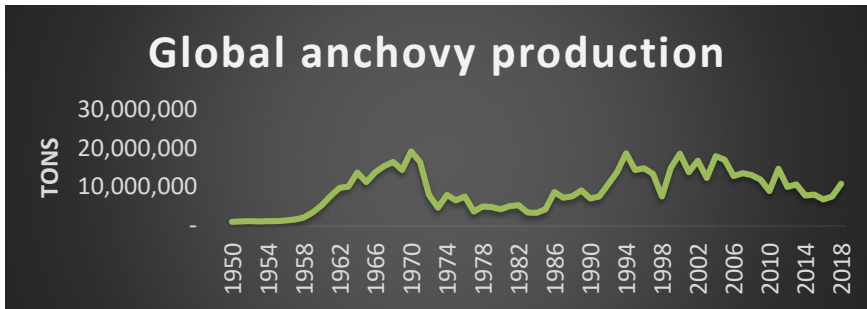


IMBeR West Pacific Symposium  
November 25, 2021

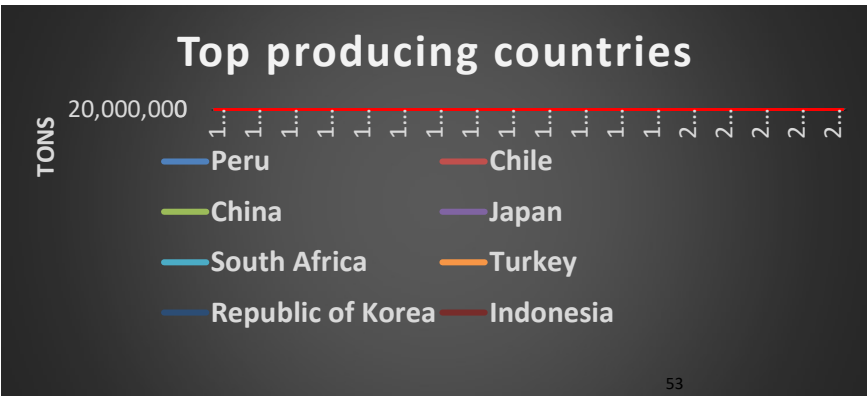
# Contribution, challenges, and opportunities of the small-scale anchovy fisheries in Thailand

Nova Almine, Ratana Chuenpagdee, and Suvaluck Satumanatpan



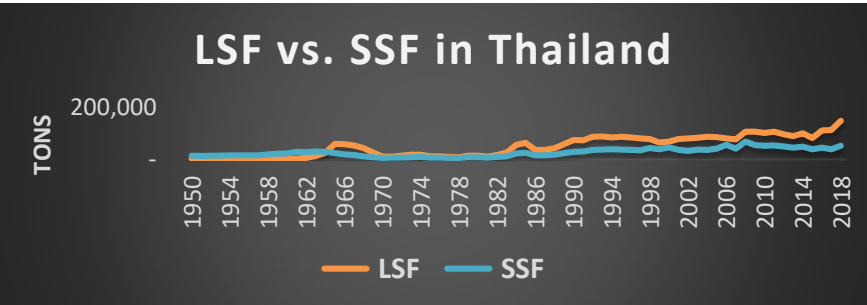


- targeted by large-scale and small-scale
- catch is fluctuating



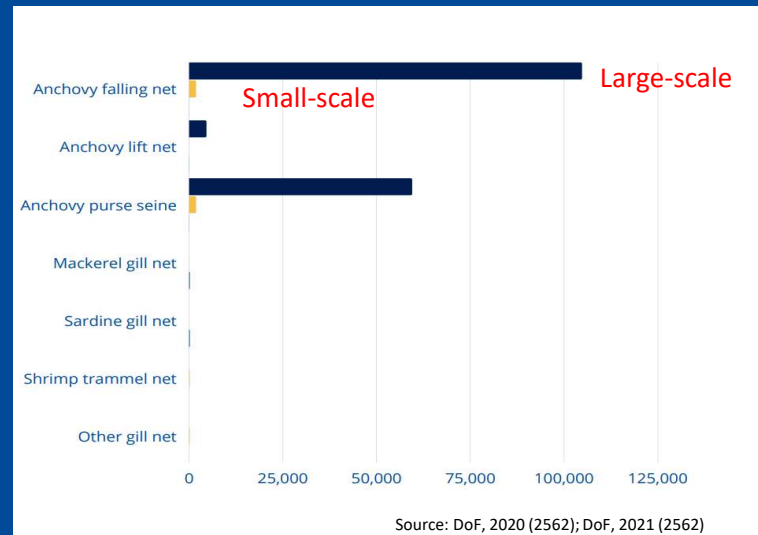
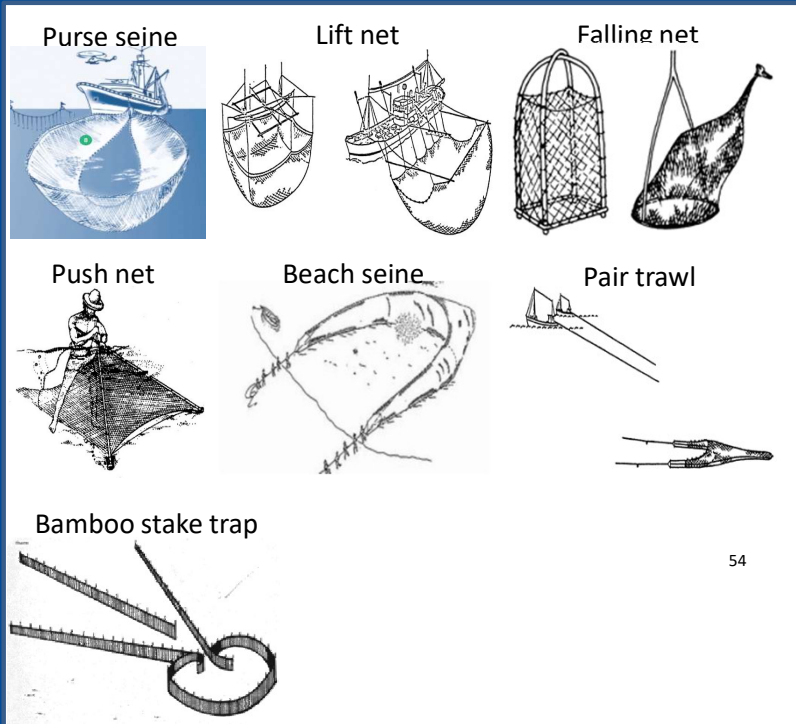
153,700 tons in 2003 to 120,809 tons in 2017 and 143,000 tons in 2019

90% of production is in the Gulf of Thailand



90% from large-scale

# Gears, catches, and regulations

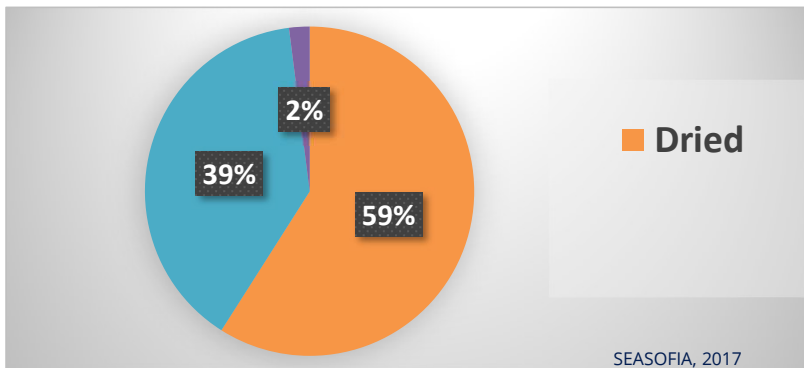


Light luring device is prohibited

Source: Supongpan et al., 2000

Illustrations:  
 Purse seine (Morgan and Chuenpagdee, 2003)  
 Beach seine (Yingyuad and Chanrachkij, 2010)  
 Lift net, Falling net, pair trawl, push net (FAO)  
 Bamboo stake trap (Eyo and Akpati, 1995)

# Utilization of anchovies in Thailand



## Uncooked



## Cooked and flavored



- Dried anchovies are eaten whole
- rich in micronutrients

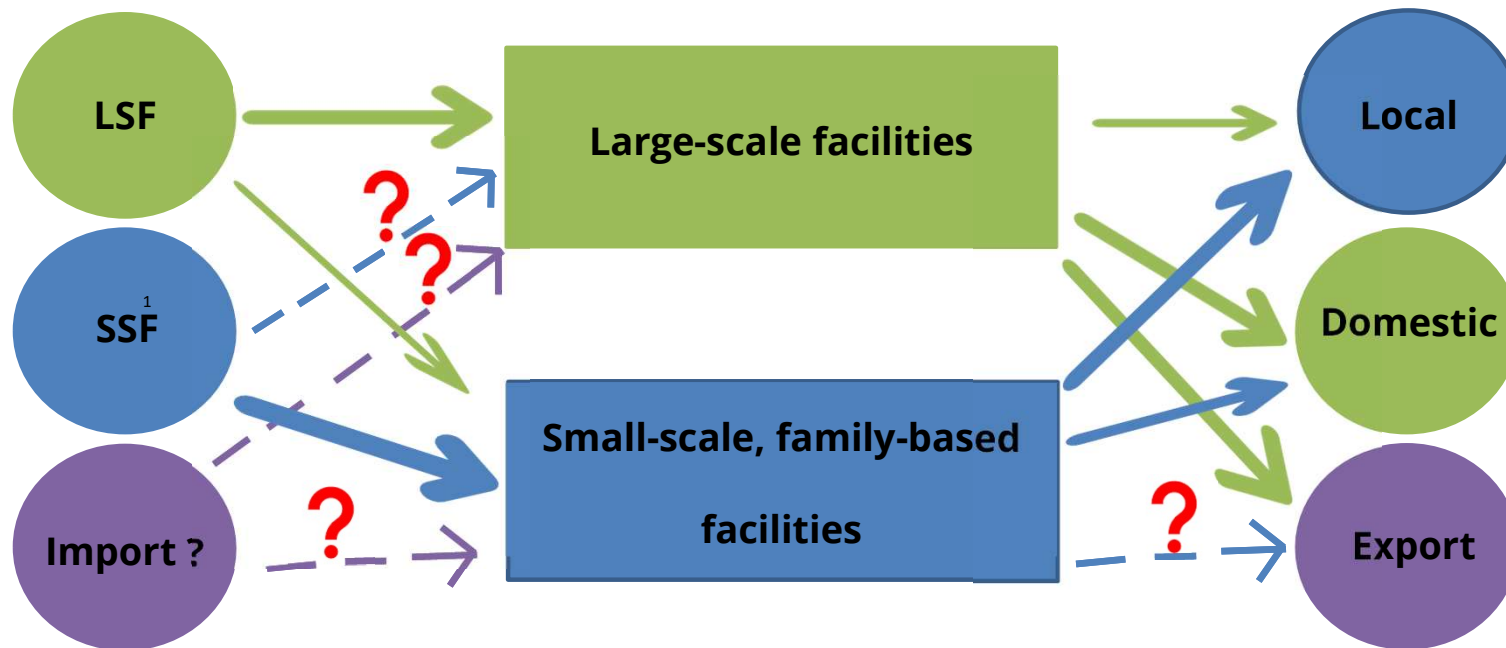
“healthy snacks”

# Dried anchovy value chain in Thailand

Sources of anchovies

Dried Anchovy Processing

Markets





## Future research directions

- Anchovy fisheries regulations
  - changes in the regulations and perceptions
- Dried anchovy production and value chains
  - Source of raw anchovies
  - flow of product distribution
  - Women's role
  - Online marketing
- Factors affecting small-scale dried fish value chain
  - Climatic variability and coping strategy

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# Thank you!

Online

[www.toobigtoignore.net](http://www.toobigtoignore.net)  
<https://driedfishmatters.org>

Email:  
[nmalmine@mun.ca](mailto:nmalmine@mun.ca)



## References

[www.seaaroundus.org](http://www.seaaroundus.org)

Thailand Department of Fisheries

SEASOFIA 2017

Rungruengrayup, K. 2019. Dried fish products appraisal in leading supermarkets, and selected retail stores in Thailand. Too Big To Ignore. Dried Fish Matters Project Report

Supongpan, M., C. Chongkolnee, S. Boongerd, and A. Laowapong. 2000. Technical report on the anchovy fisheries in the Gulf of Thailand [FAO Technical Report]