



# COUNTRY REPORT OF VIETNAM



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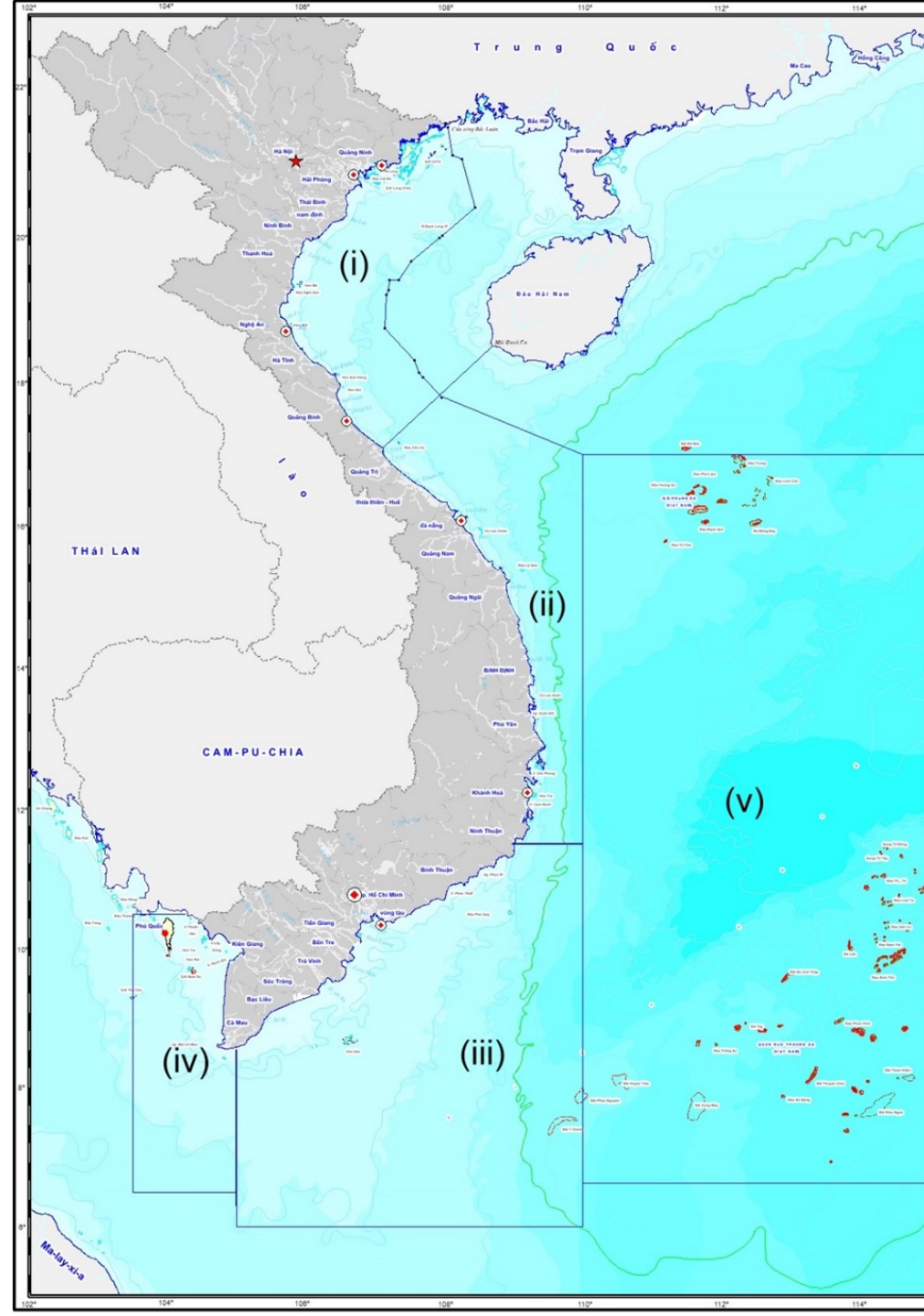
# Overview

- Vietnam (331,210 km<sup>2</sup>) has a long coastline of 3,260 km and a large Exclusive Economic Zone (EEZ) more than 1 million km<sup>2</sup>

- The marine waters are divided into 5 management areas, including: Tonkin Gulf, Central, Southeast, Southwest and Eastern Central water regions. Fishing activities have the various features of the structure of fishing gears, customs for each water region

- Small scale fisheries, large and diverse number of fishing boats and multiple types of fishery

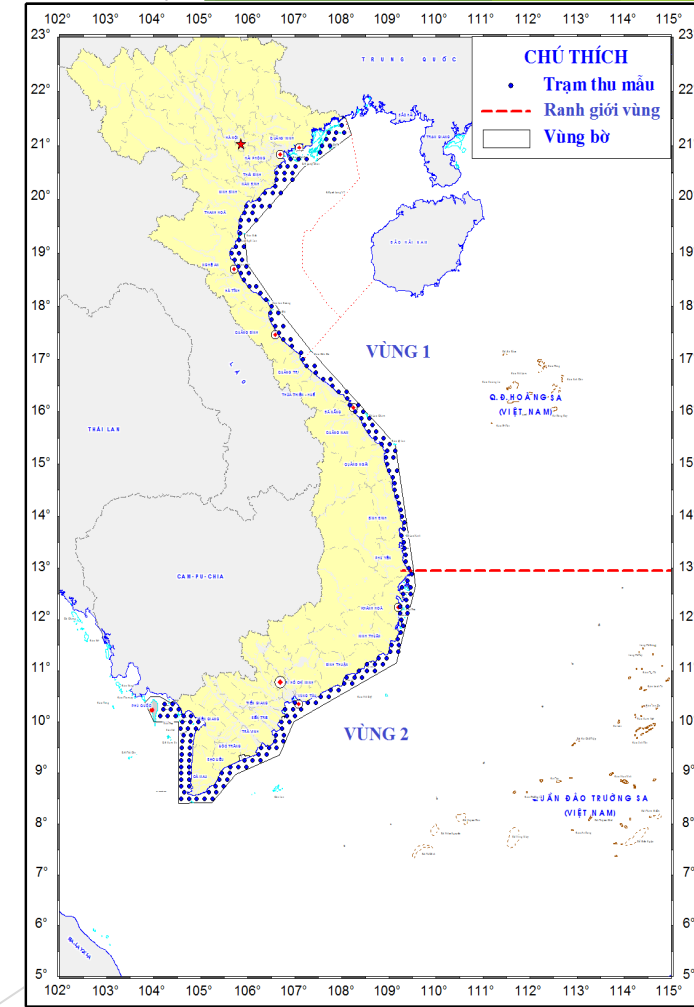
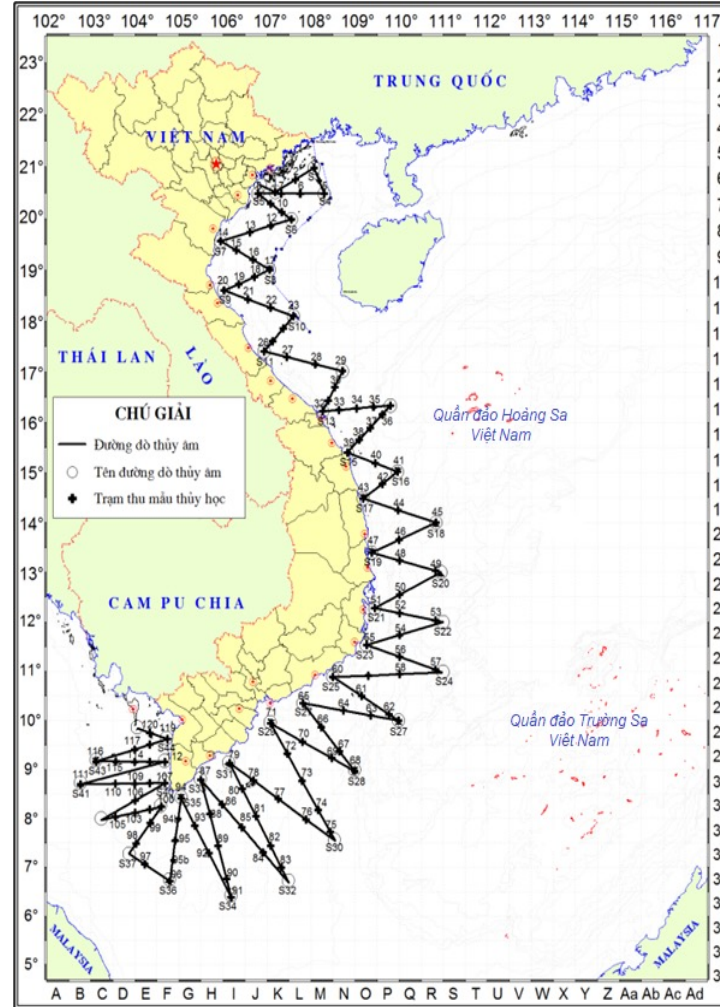
- Main fishing gears are Gillnet (35.5%), Trawl (18.1%), Hooks and Line (17%), Purse seine (7.6%), Others (21.85%), small scale, multispecies.





# DATA COLLECTION METHOD

- Detection routes are designed base on Descriptive research method of Johannesson & Mitson (1983) and Simmon (1992)
- Acoustic survey using SIMRAD EK60 operation system. 3 frequencies are used (38, 120, 200 kHz) for small pelagic surveys
- Used bottom trawl for demersal fish resources surveys
- Used driftnet and longline for large pelagic surveys





# FAMILIES AND MAIN FISHING GEARS

- **Engraulidae:** Include main species: *Encrasicholina heteroloba*, *E. punctifer*, *E. devisi*, *Stolephorus commersonii*, *S. dubiosus*, *S. tri*, *S. chinensis*, *S. indicus*. Distribution mainly in Southwest, Centre water of Vietnam

Anchovy purse seine, paired bottom trawl, falling net with light luring used for fishing anchovy

- **Scombridae:** Include main species: *Rastrelliger kanagurta*, *R. brachysoma*, *Scomberomorus commerson*, *S. guttatus*, *Scomber japonicus*, *Auxis thazard*, *A. rochei*, *Euthynus affinis*, *Sarda orientalis*, *Katsuwonus pelamis*, *Thunus tonggol*, *T. albacares*, *T. obesus*, *Acanthocybium solandri*. Distribution mainly in Central waters of Vietnam

Purse seine, pair trawl, falling net, gillnet, set net, bottom gill net, longline and handline (Large pelagic fish) are used for fishing markerel



# FAMILIES AND MAIN FISHING GEARS

- **Carangidae:** Include main species: *Decapterus maruadsi*, *D. macrosoma*, *D. kurroides*, *Trachurus japonicus*, *Atule mate*, *Selar crumenophthalmus*, *S. boops*, *Selaroides leptolepis*. Distribution: in all waters of Vietnam

Purse seine, paired trawl and falling net with luring used for fishing

- **Lutjanidae:** Include main species: *Lutjanus lutjanus*, *L. malabaricus*, *L. russelli*, *L. johnii*, *L. argentimaculatus*, *L. vitta*. Distribution: near Islands and reefs

Main fishing gear used to catch Lutjanidae: Bottom gill net, bottom trawl, bottom longline and diving

- **Siganidae:** Include main species: *Siganus canaliculatus*, *S. fuscescens*, *S. guttatus*, *S. javus*, *S. spinus*, *S. virgatus*

Main fishing gear used to catch Siganidae: Bottom gill net, bottom trawl



# FAMILIES AND MAIN FISHING GEARS

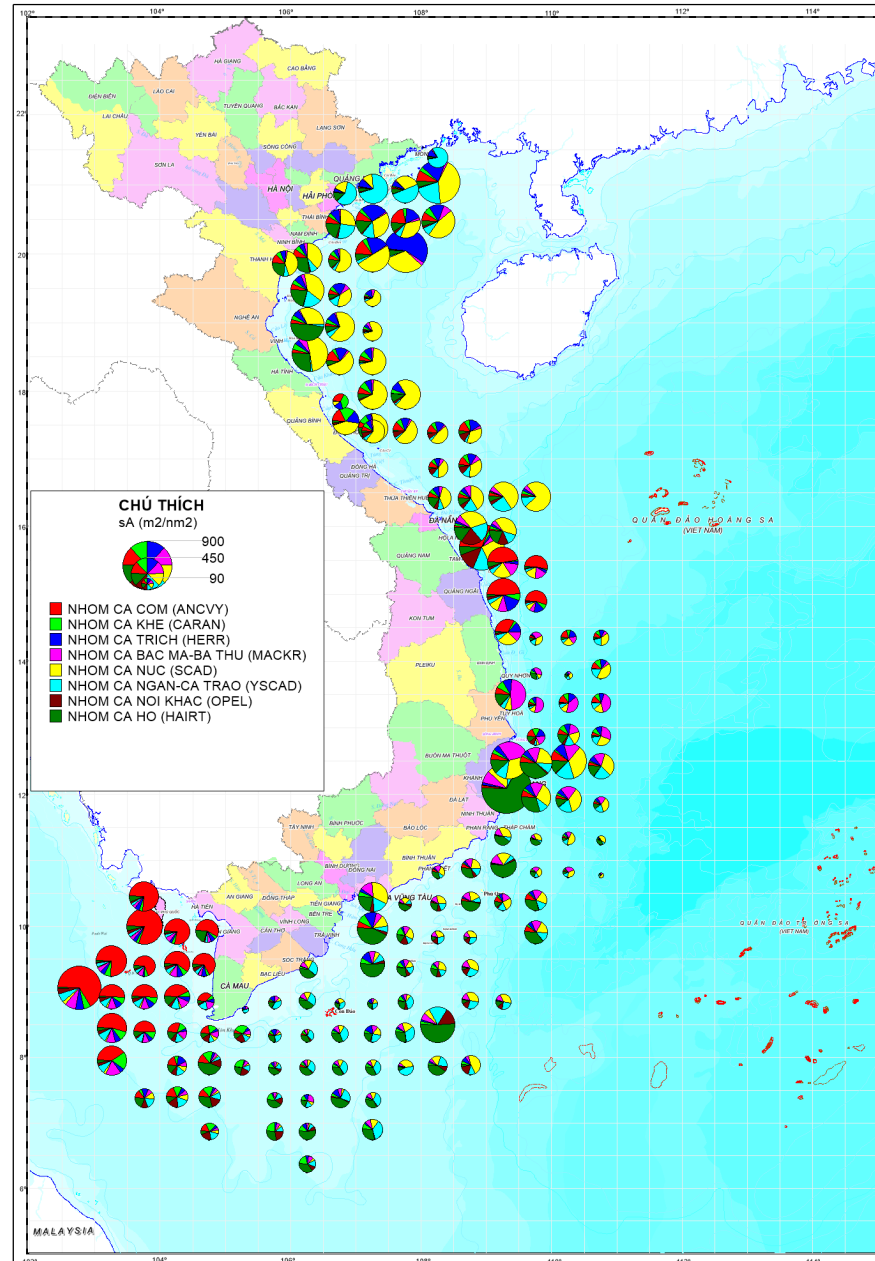
- **Serranidae:** Include main species: *Epinephelus areolatus*, *E. sexfasciatus*, *E. awoara*, *E. diacanthus*, *E. malabaricus*, *E. coioides*, *E. bruneus*, *Plectropomus leopardus*, *Cephalopholis sonnerati*, *C. urodeta*, *Variola albimarginata*.

Distribution: Near Islands and reefs

Main fishing gear used to catch Serranidae: Bottom longline, bottom gill net, diving and bottom trawl.

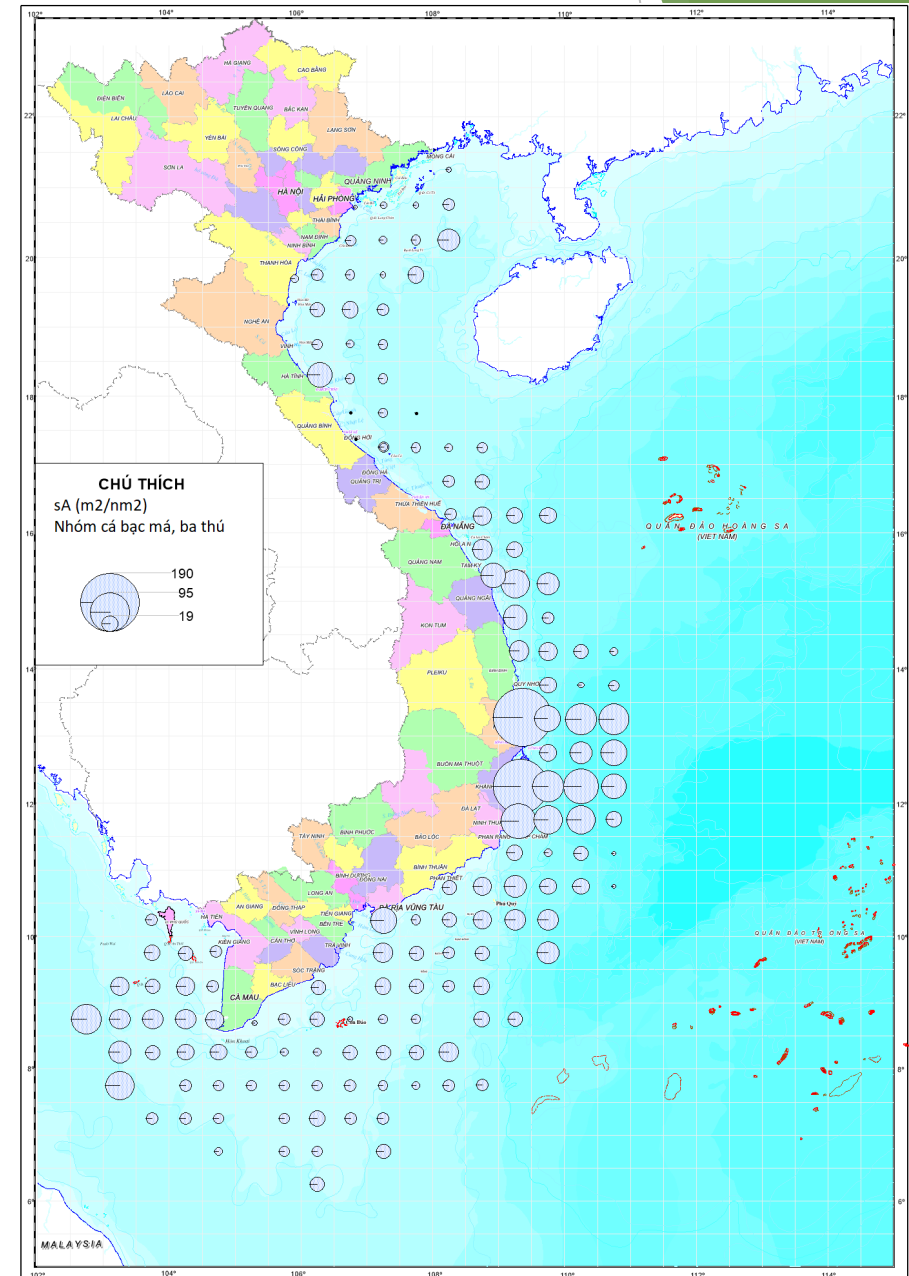
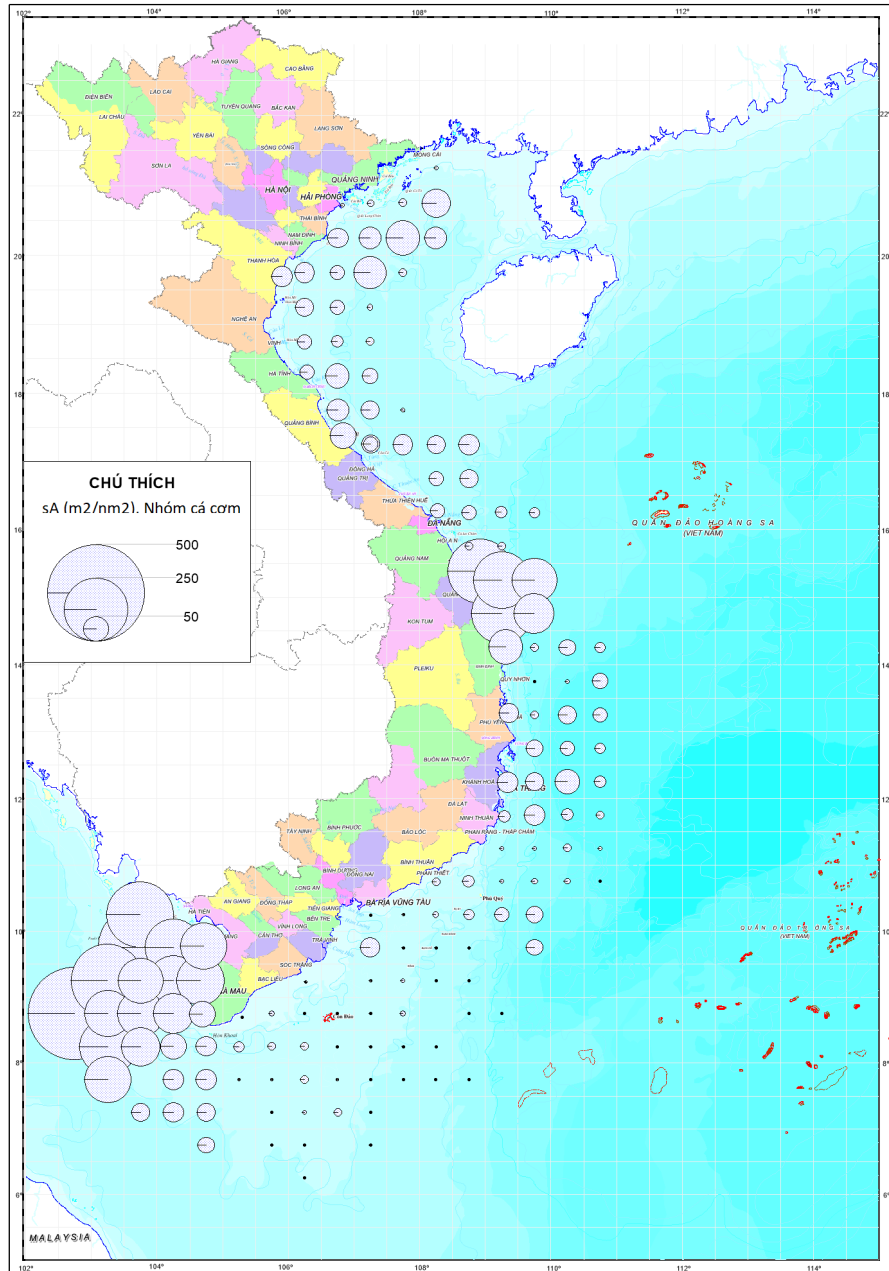


# Distribution of small pelagic resources in Vietnam waters





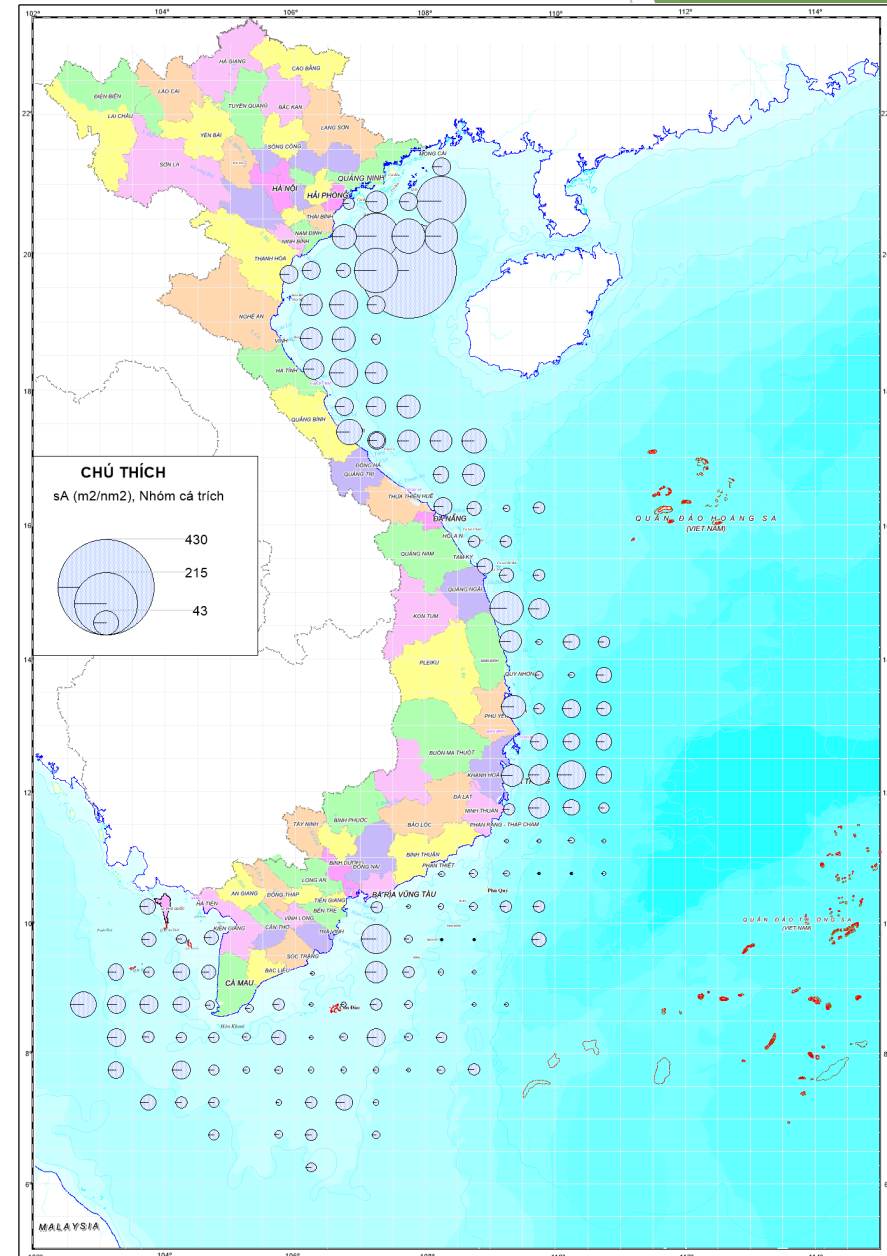
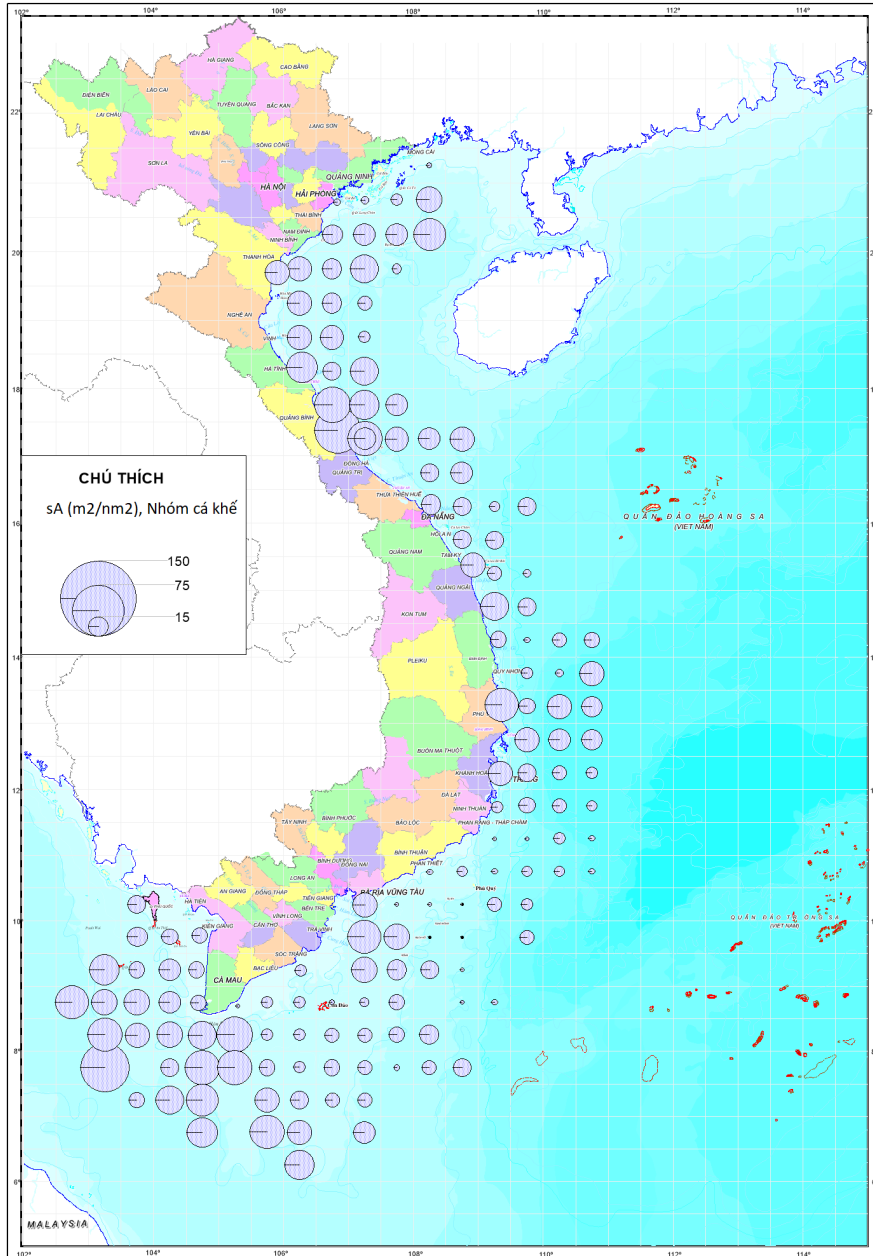
# Distribution of Anchovy and Markerel groups resources Vietnam waters





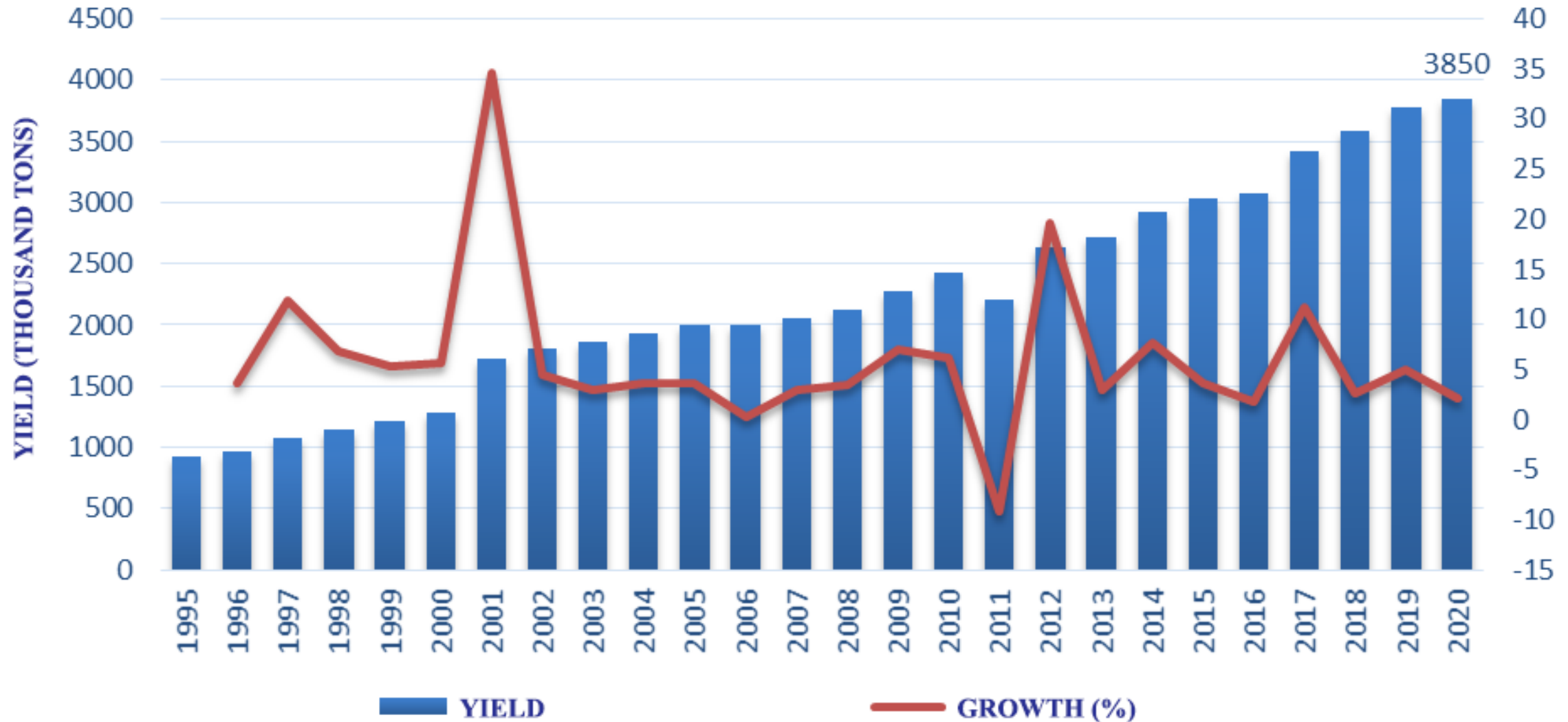


# Distribution of Caran and Herring groups resources in Vietnam waters





## TOTAL MARINE FISHERIES EXPLOITATION YIELD FROM 1995 TO 2020





# SPAWNING SEASON AND SPAWNING GROUNDS

**Spawning season and spawning grounds:** All year (hight peak: Apr – May in Tonkin gulf, Mar – Apr and June, Sep in Central waters, Feb – Mar, May and Dec in Southeast waters, Jan, Mar – Apr and July in Southwest waters)





THANK FOR YOUR ATTENTION!