

OUTCOMES OF THE FIFTEENTH SESSION OF THE COMMISSION

PREPARED BY: IOTC SECRETARIAT, 19 SEPTEMBER 2011

1. EFFORT

a) Longline

Effort exerted by **LONGLINE** fleets in the Indian Ocean, in millions (M) of hooks set, by decade and main fleet:

LLJP (light green): deep-freezing longliners from Japan

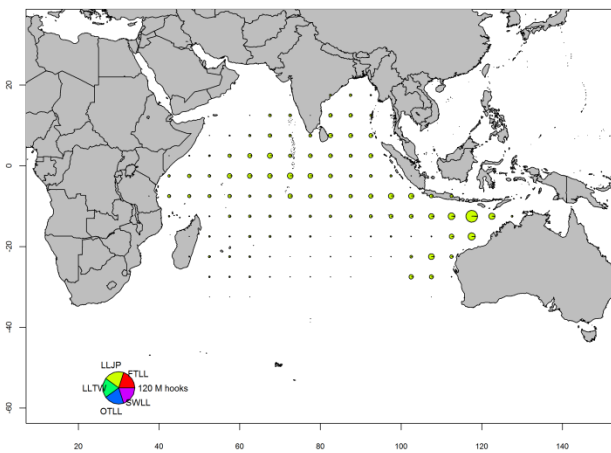
LLTW (dark green): deep-freezing longliners from Taiwan,China

SWLL (turquoise): swordfish longliners (Australia, EU, Mauritius, Seychelles and other fleets)

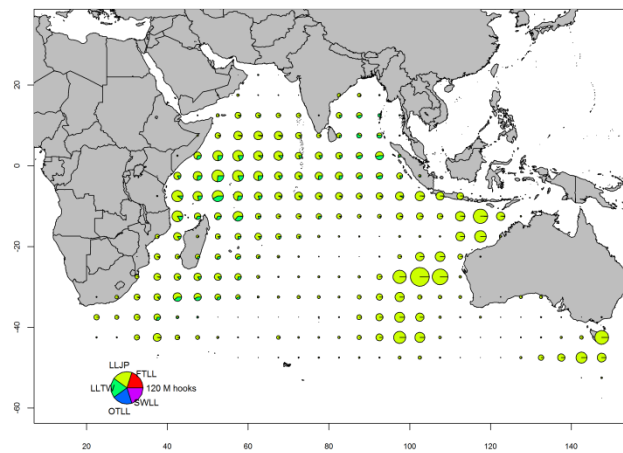
FTLL (red) : fresh-tuna longliners (China, Taiwan,China and other fleets)

OTLL (blue): Longliners from other fleets (includes Belize, China, Philippines, Seychelles, South Africa, South Korea and various other fleets)

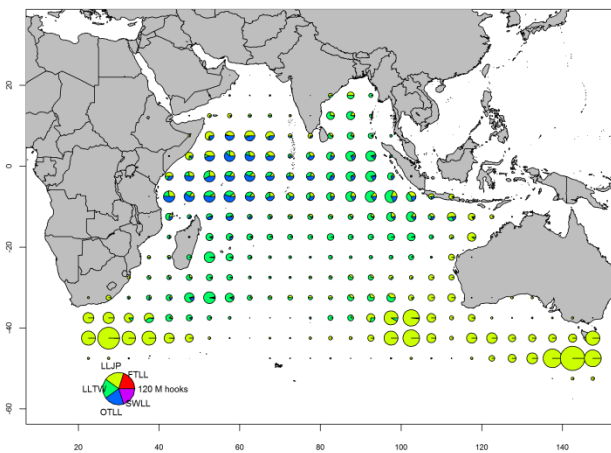
Teffort 1950-1959



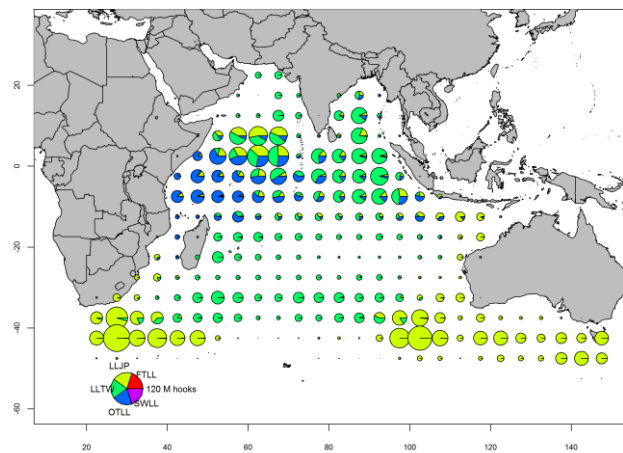
Teffort 1960-1969

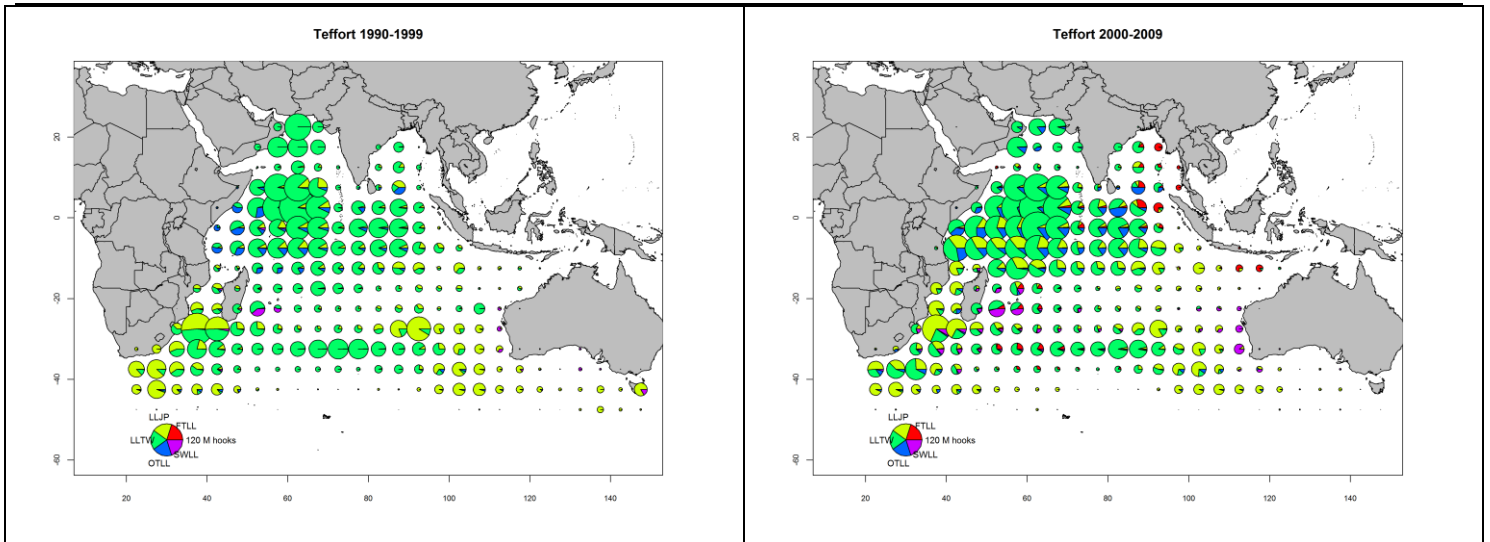


Teffort 1970-1979



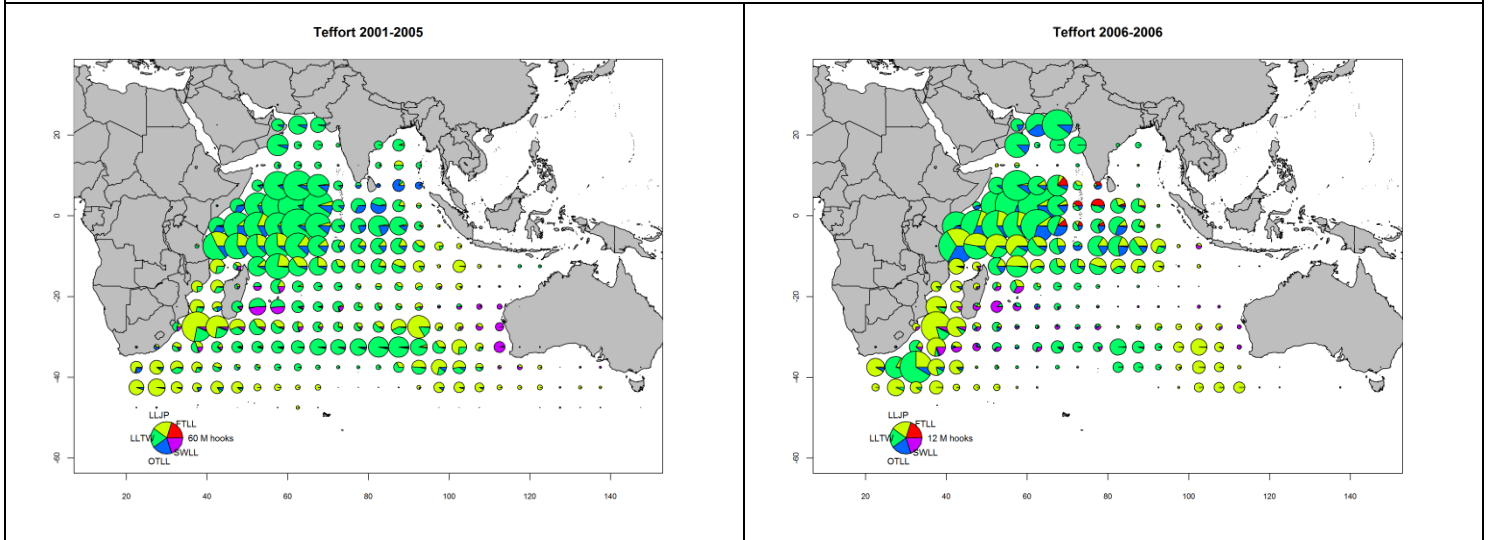
Teffort 1980-1989

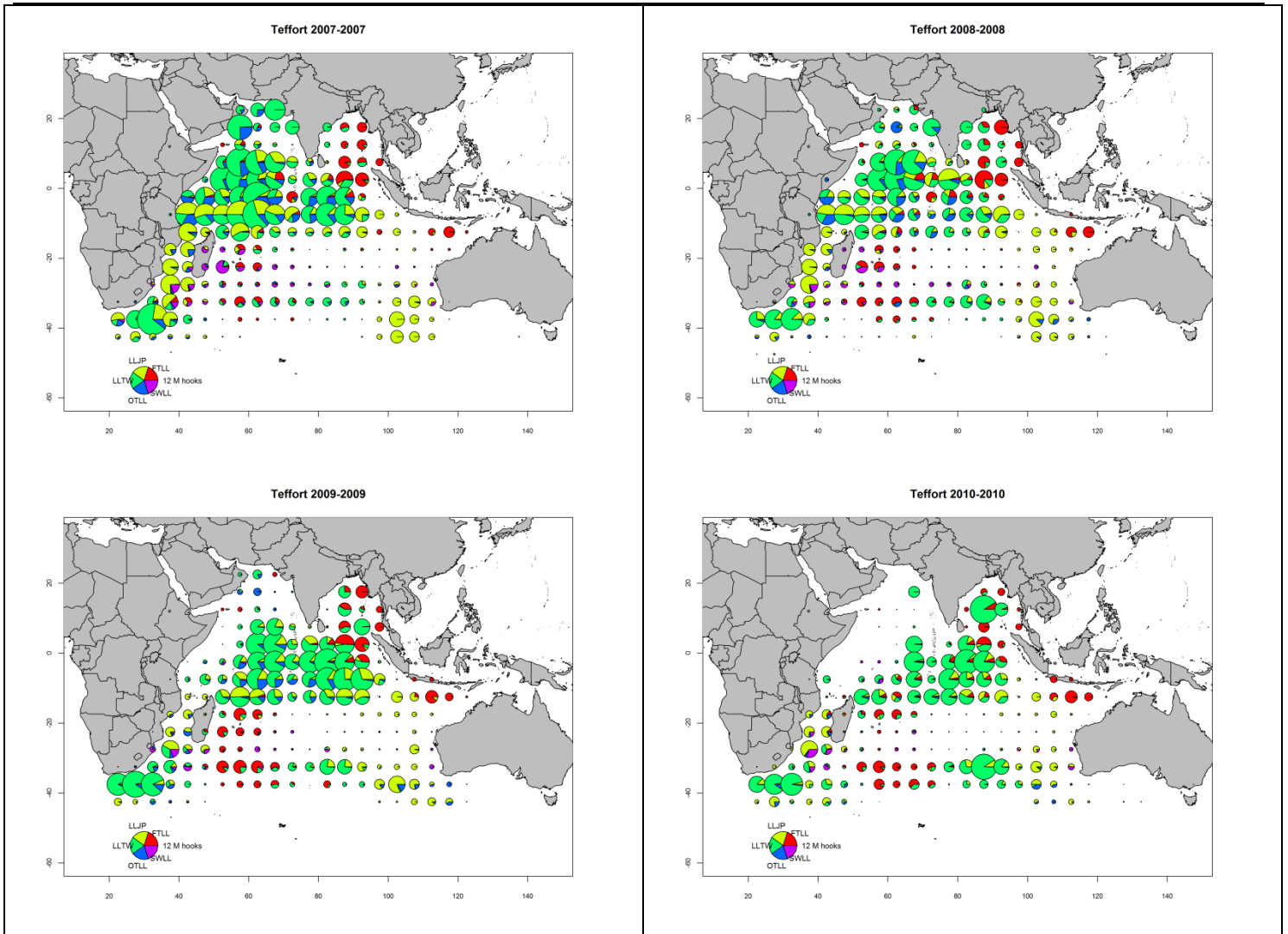




Effort exerted by LONGLINE fleets in the Indian Ocean, in millions (M) of hooks set, for 2001-05 and 2006-10, by year, and main fleet:

- LLJP (light green): deep-freezing longliners from Japan
- LLTW (dark green): deep-freezing longliners from Taiwan,China
- SWLL (turquoise): swordfish longliners (Australia, EU, Mauritius, Seychelles and other fleets)
- FTLL (red) : fresh-tuna longliners (China, Taiwan,China and other fleets)
- OTLL (blue): Longliners from other fleets (includes Belize, China, Philippines, Seychelles, South Africa, South Korea and various other fleets)





Effort exerted by **LONGLINE** fleets in the Indian Ocean, in millions (M) of hooks set, for 2001-05 and 2006-10, by year, quarter, and main fleet:

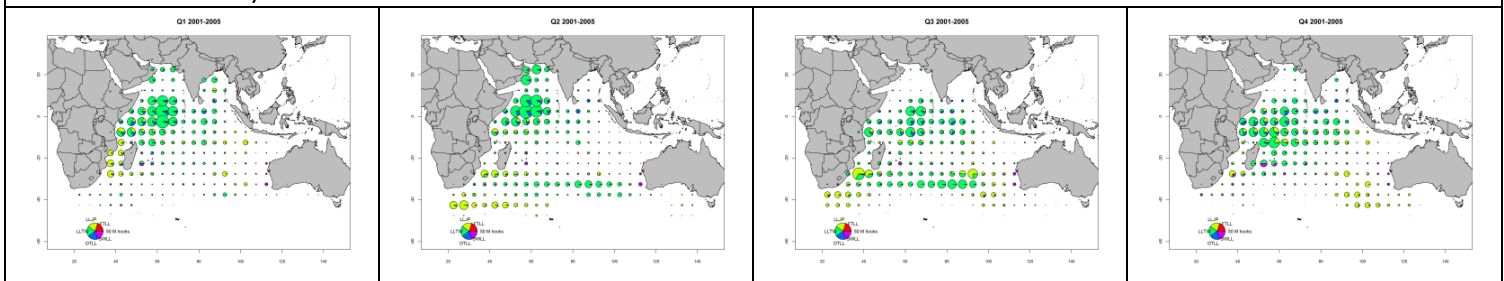
LLJP (light green): deep-freezing longliners from Japan

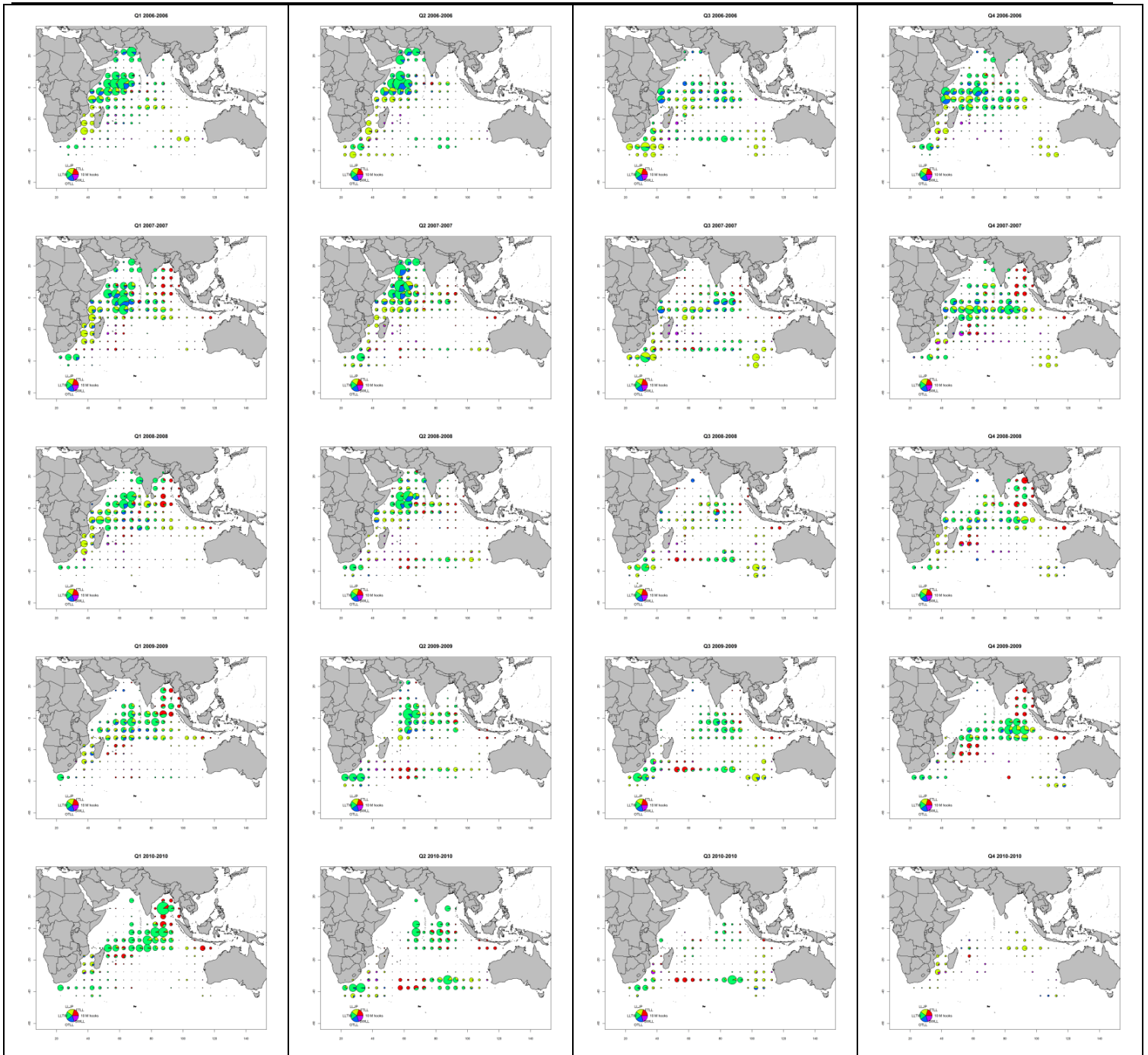
LLTV (dark green): deep-freezing longliners from Taiwan,China

SWLL (turquoise): swordfish longliners (Australia, EU, Mauritius, Seychelles and other fleets)

FTLL (red) : fresh-tuna longliners (China, Taiwan,China and other fleets)

OTLL (blue): Longliners from other fleets (includes Belize, China, Philippines, Seychelles, South Africa, South Korea and various other fleets)





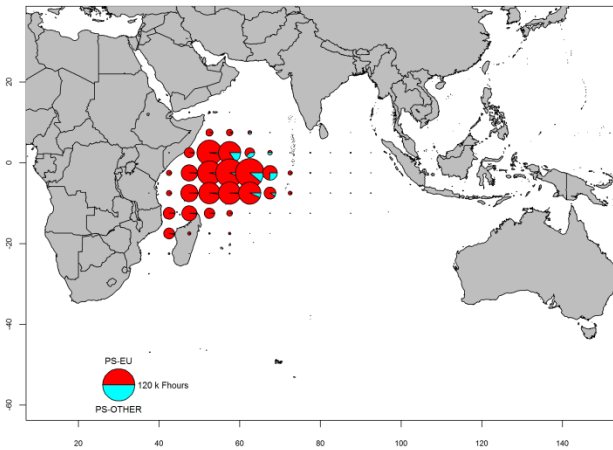
b) Purse seine

Effort exerted by industrial PURSE SEINE fleets in the Indian Ocean, in thousands (k) of fishing hours (Fhours), by decade and main fleet:

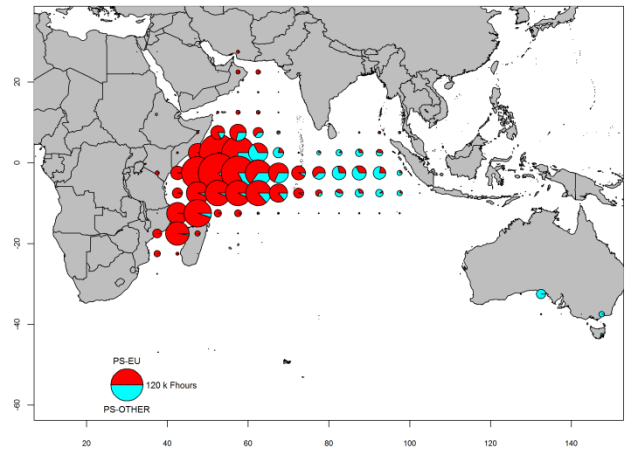
PS-EU (red): Industrial purse seiners monitored by the EU and Seychelles (operating under flags of EU countries, Seychelles and other flags)

PS-OTHER (green): Industrial purse seiners from other fleets (includes Japan, Mauritius and purse seiners of Soviet origin) (excludes effort data for purse seiners of Iran and Thailand)

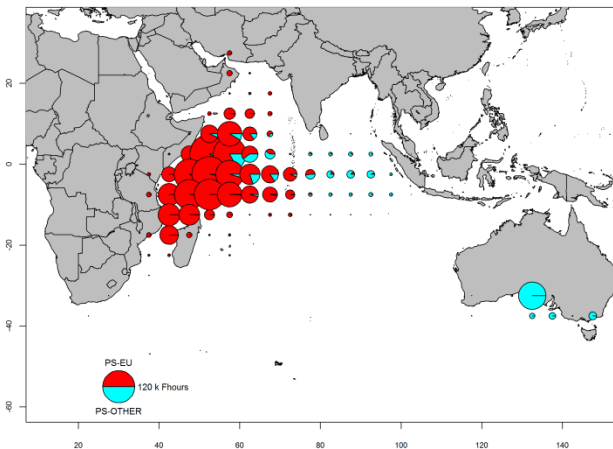
Teffort 1980-1989



Teffort 1990-1999



Teffort 2000-2009

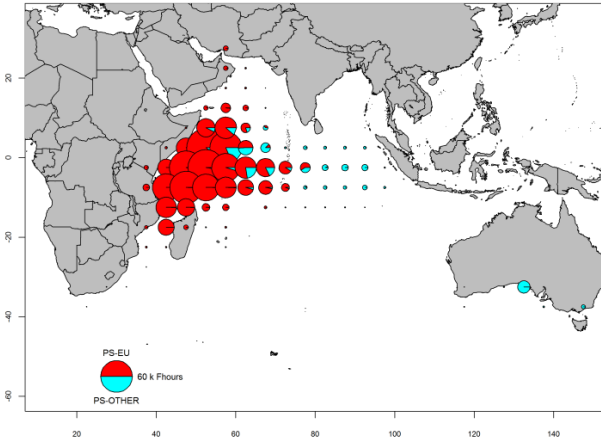


Effort exerted by industrial PURSE SEINE fleets in the Indian Ocean, in thousands (k) of fishing hours (Fhours), for 2000-04 and 2005-09, by year, and main fleet:

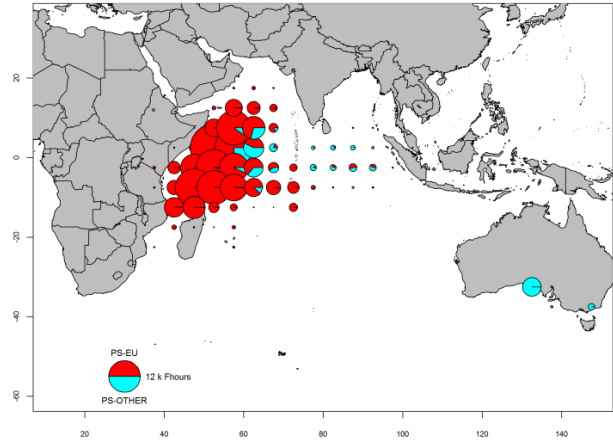
PS-EU (red): Industrial purse seiners monitored by the EU and Seychelles (operating under flags of EU countries, Seychelles and other flags)

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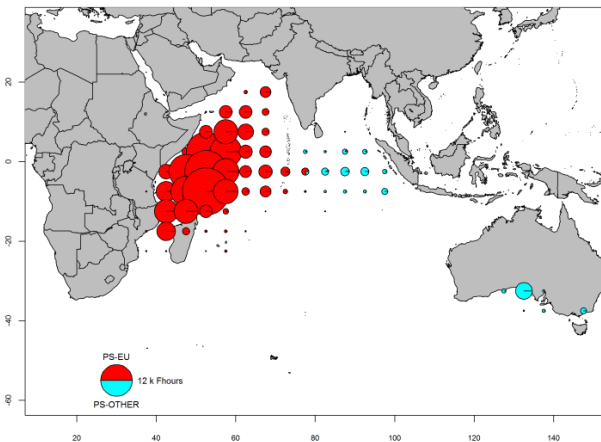
Teffort 2001-2005



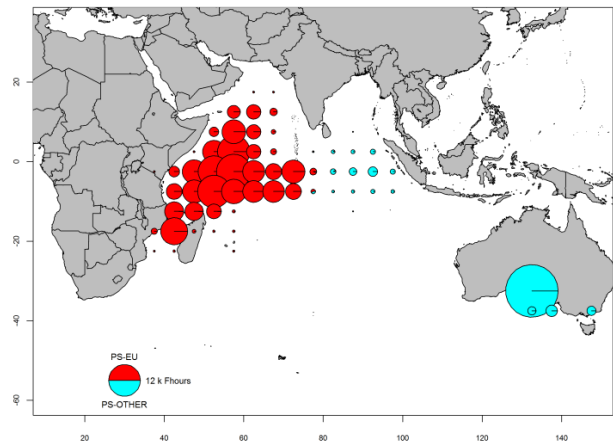
Teffort 2006-2006



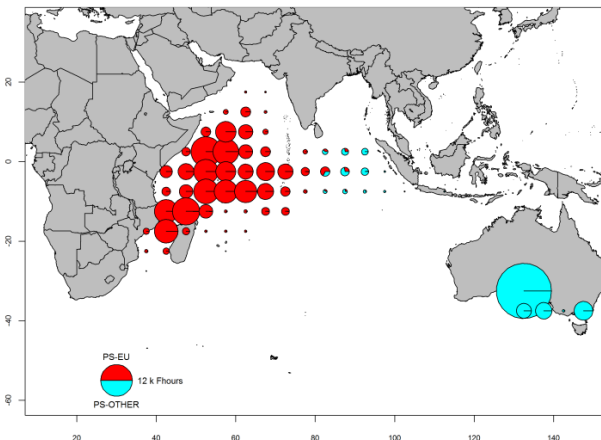
Teffort 2007-2007



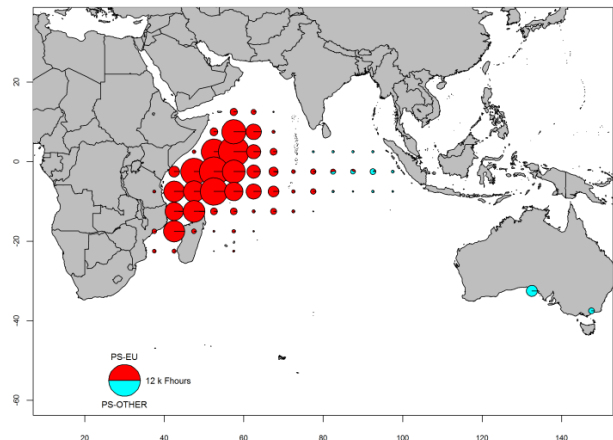
Teffort 2008-2008



Teffort 2009-2009



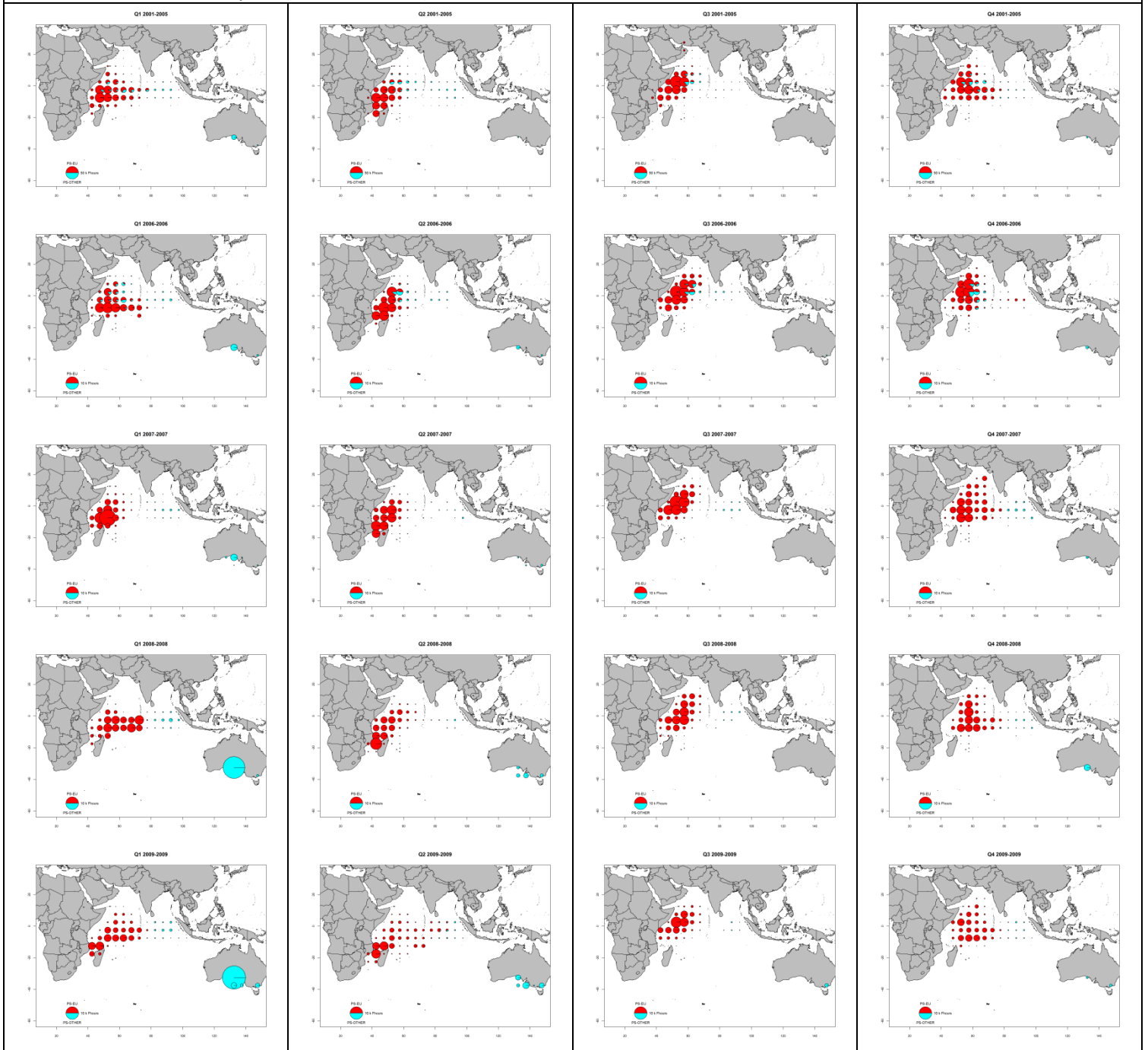
Teffort 2010-2010

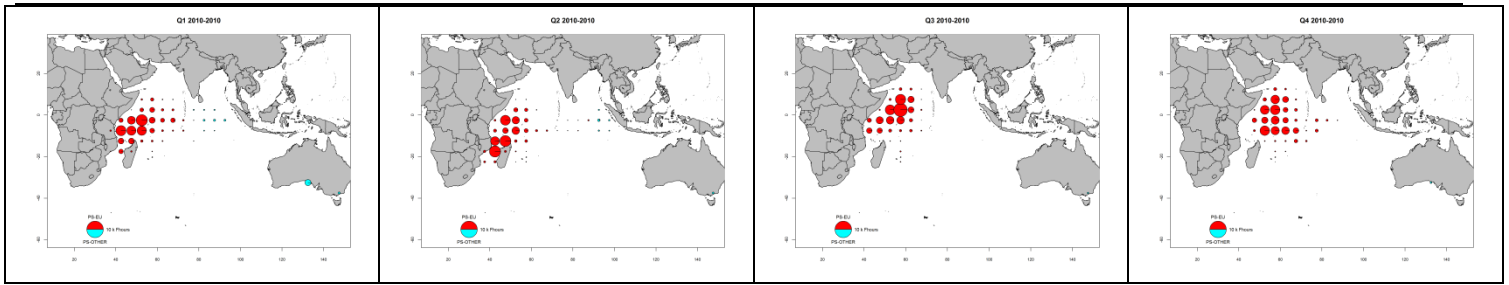


Effort exerted by industrial PURSE SEINE fleets in the Indian Ocean, in thousands (k) of fishing hours (Fhours), for 2001-05 and 2006-10, by year, quarter, and main fleet:

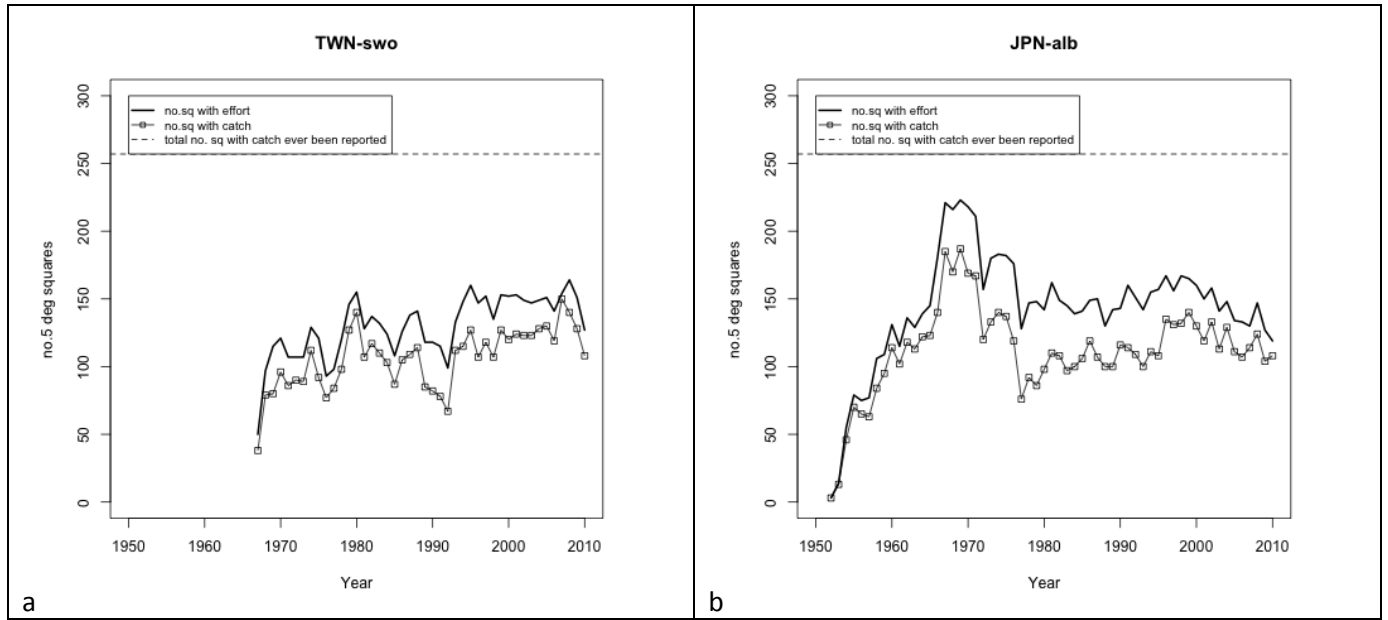
PS-EU (red): Industrial purse seiners monitored by the EU and Seychelles (operating under flags of EU countries, Seychelles and other flags)

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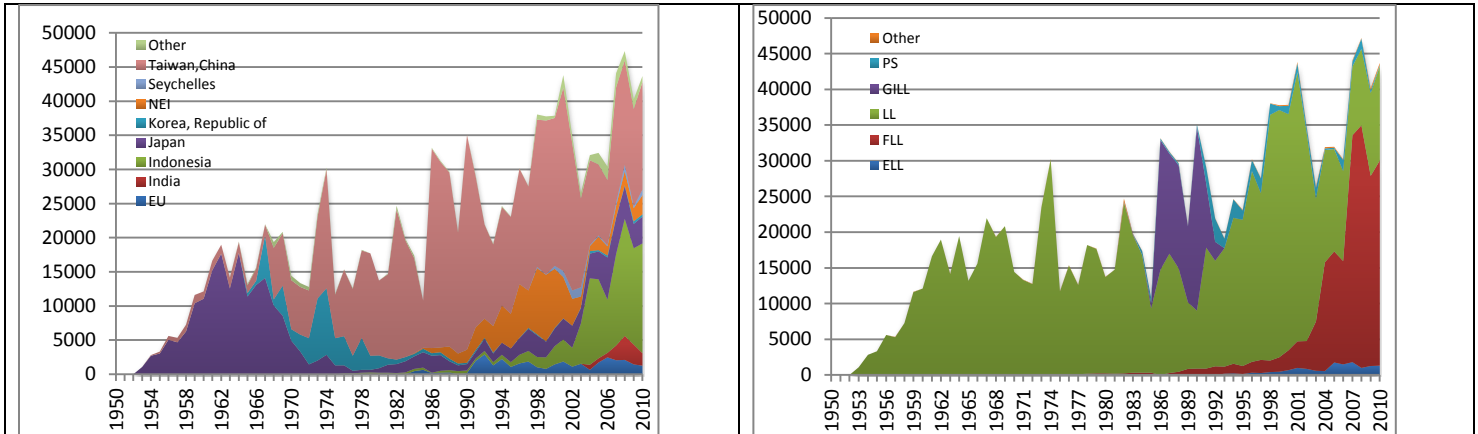


c) Squares fished



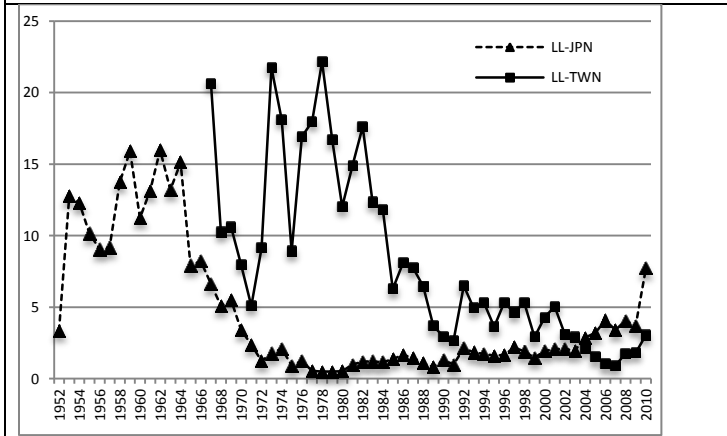
a Number of five degree squares explored by the longline fishery from Taiwan,China (a) and Japan (b) from 1952-2010.

2. CATCHES
a. Historical trends



Annual catches of Albacore (mt) by country from 1950 to 2010.

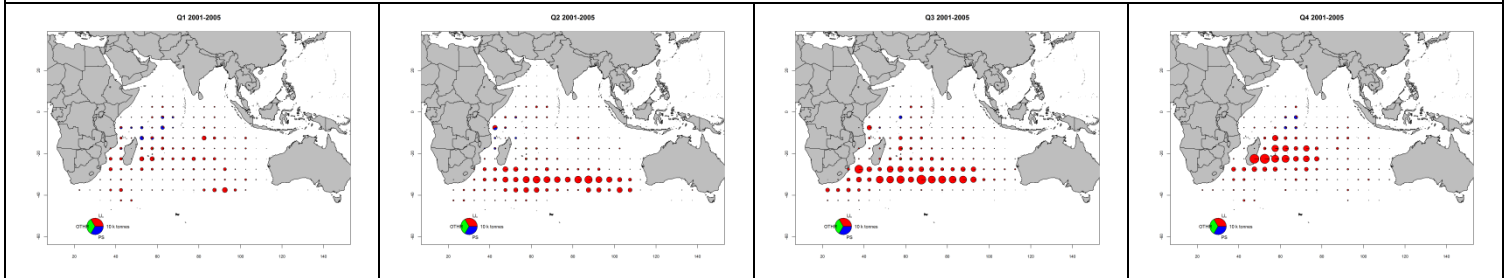
Annual catches of Albacore (mt) by fishing gear from 1950 to 2010

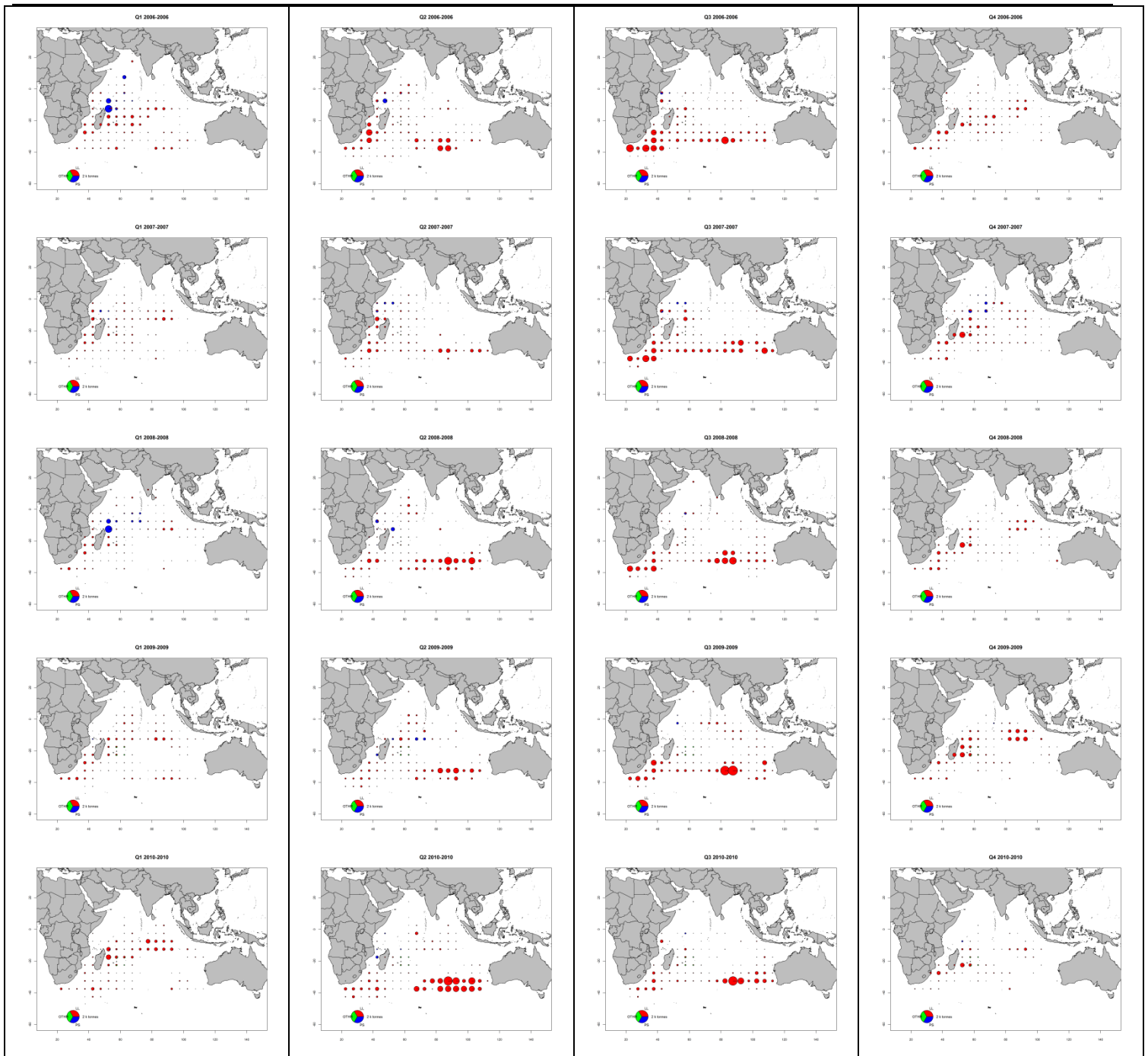


Nominal CPUE for the longline fleets of Japan and Taiwan,China (fish/1000hooks) fishing in the IO from 1952 to 2010.

b. Recent catches

Time-area catches (total combined in tonnes) of ALBACORE estimated for 2001-05 and 2006-10, by year, and quarter: Longline (LL, red): deep-freezing longliners from Japan, Taiwan,China, EU, Seychelles, South Korea, and other fleets. Purse seine (PS, blue): industrial tuna purse seiners from EU, Iran, I.R., Japan, Seychelles, Thailand and other fleets. Other fleets (OTHR, green): other fleets, especially small-scale fisheries operating in coastal waters. Time-area catches are not available for all fleets; catches of fresh-tuna longliners are not represented.

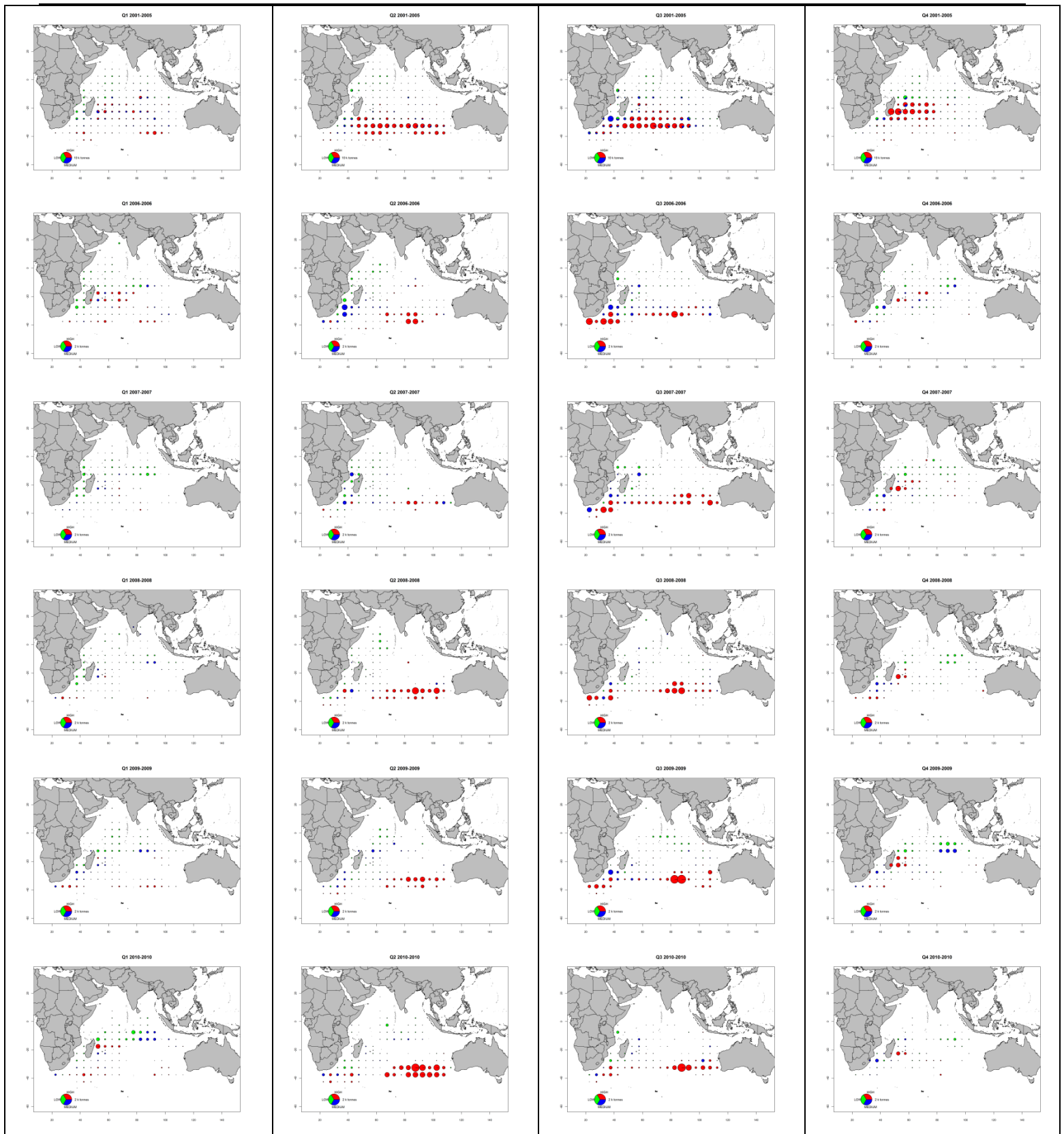




c. Main Fishing Areas

Catches of albacore (ALB) taken by deep-freezing longline vessels for 2001-05 and 2006-10, by year, and quarter. The different colors show the proportion that the catches of albacore by quarter and 5 degrees square grid made out of the total catches of tropical tunas, albacore and swordfish over the same area and period:

- **High (Red):** Catches of ALB represented 40% or more of the total catches of tunas and swordfish in the grid concerned
- **Medium (Blue):** Catches of ALB represented 15-39% of the total catches of tunas and swordfish in the grid concerned
- **Low (Green):** Catches of ALB represented less than 15% of the total catches of tunas and swordfish in the grid concerned



3. AVERAGE WEIGHTS AND SIZE

