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# Aquaculture production and trade trends: carp, tilapia and shrimp

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# TREND OF CULTURED CARPS



# Carp culture in the world

- Carp is the most important finfish species group cultured worldwide;
- In 2015, global culture carp production reached 28.8 million tonnes;
- Carp accounted for 37.5% of global aquaculture production in 2015, highest 45.8% in 1997;
- Accounted for 25.6% of total value of cultured animals in 2015, 29.5% in 1996
- 92 countries or regions reported cultured carp production to FAO in 2015

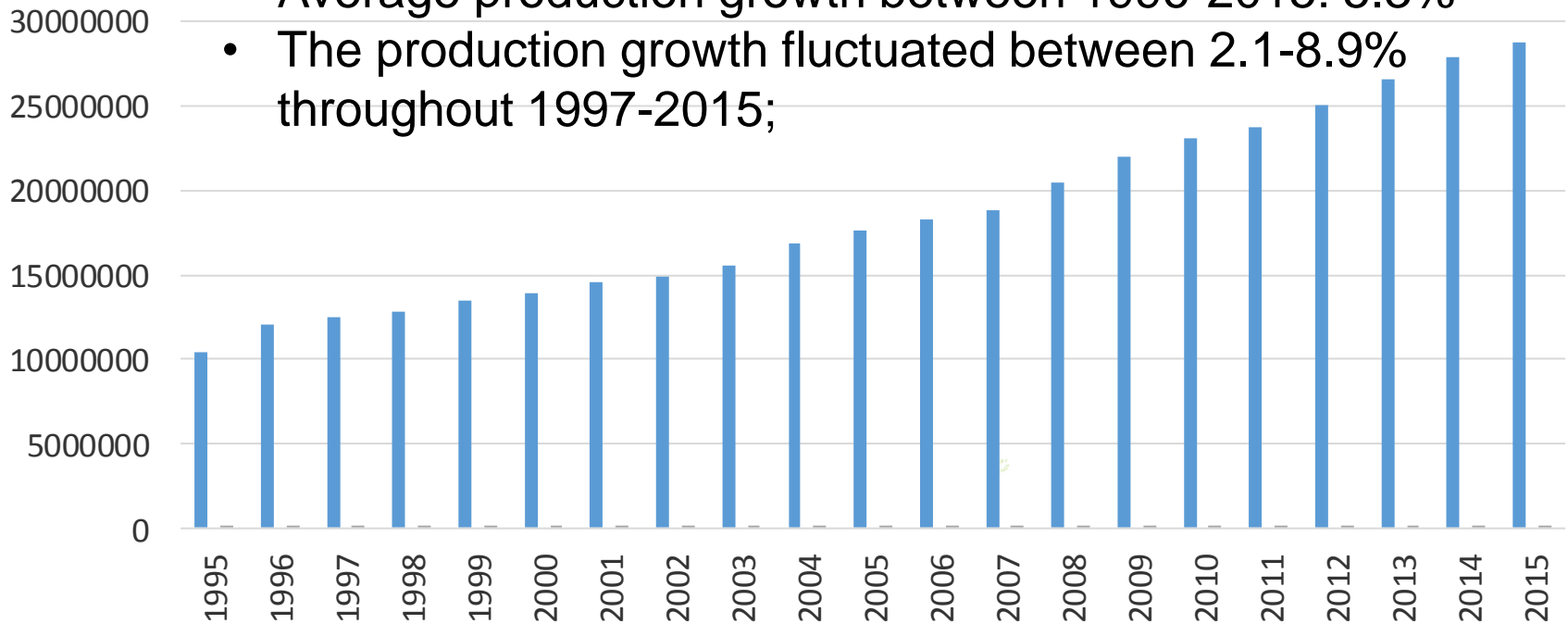
## Top 10 producers

Country	Production (1000 t)
China	21,053
India	3,902
Bangladesh	996
Myanmar	819
Indonesia	519
Viet Nam	411
Iran	184
Pakistan	148
Russian	104
Egypt	95

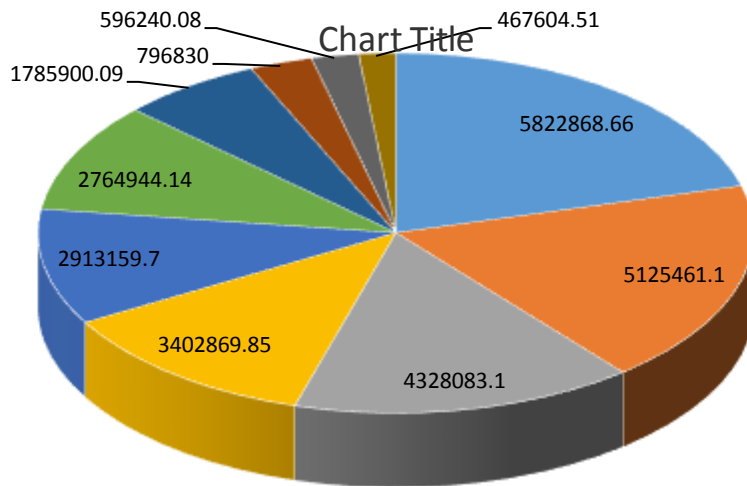


# Production of cultured carps

- Average production growth between 1996-2015: 5.3%
- The production growth fluctuated between 2.1-8.9% throughout 1997-2015;



# Carp production by species: 29 species with production over 100 tonnes in 2015



- Grass carp(=White amur)
- Silver carp
- Common carp
- Bighead carp
- [Carassius spp]
- Catla
- Roho labeo
- Wuchang bream
- Black carp
- Mrigal carp





# PRODUCTION TREND OF CULTURED TILAPIA



# Tilapia culture in the world

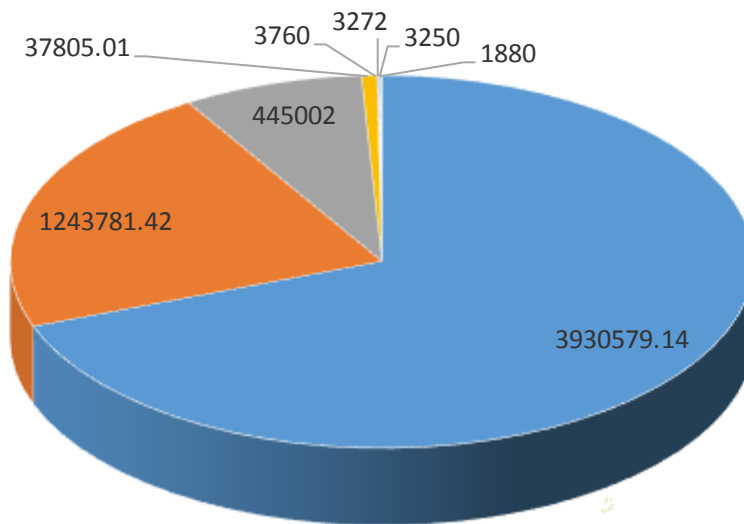
- Tilapia is most popularly culture fish in the world, 126 countries or regions reported cultured carp production to FAO in 2015
- Tilapia is the 2<sup>nd</sup> important finfish species group cultured worldwide in terms of production;
- In 2015, global culture tilapia production reached 5.7 million tonnes;
- Tilapia accounted for 7.4% of global aquaculture production in 2015 (2.89% in 1995)
- Accounted for 5.6% of total value of cultured animals in 2015, 2.5% in 1995

## Top 10 producers

Country/region	Production (1000 tonnes)
China	1,779.5
Indonesia	1,120.4
<b>Egypt</b>	875.5
Bangladesh	324.3
Viet Nam	283.0
Philippines	261.2
<b>Brazil</b>	219.4
Thailand	177.6
Taiwan PoC	70.5
<b>Colombia</b>	61.1



# Cultured tilapia production by species in 2015



■ Nile tilapia

■ Tilapia ni

■ Blue-Nile tilapia, hybrid

■ Mozambique tilapia

■ Redbreast tilapia

■ Three spotted tilapia

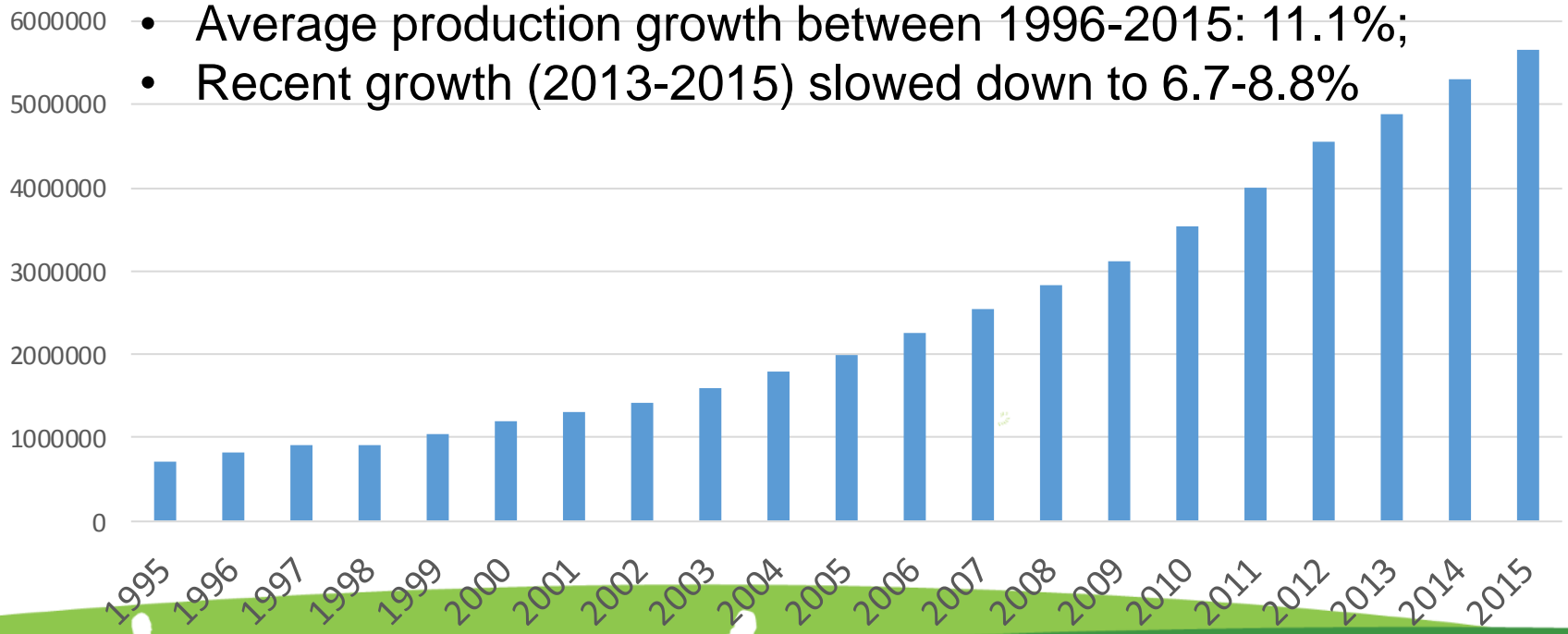
■ Blue tilapia

■ Tilapia shiranus





## Trend of cultured tilapia production





# TREND OF CULTURED SHRIMP



# Shrimp culture in the world

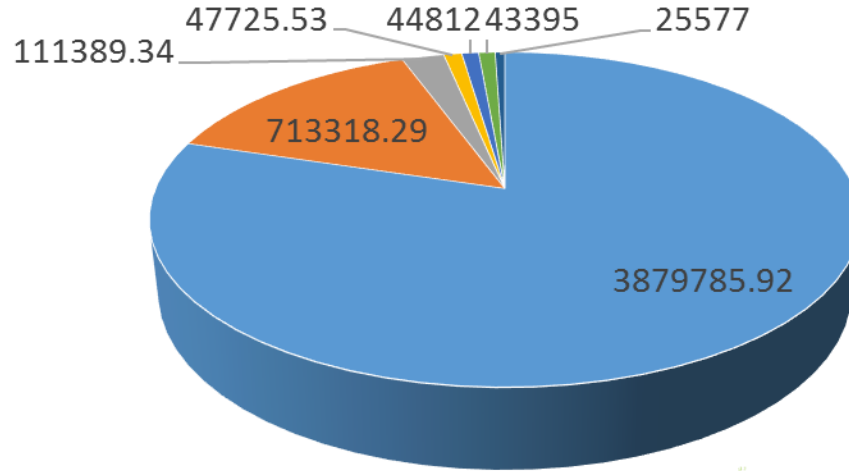
## Top 10 producers

- Shrimp is the most important species group cultured worldwide in terms international trade;
- 59 countries or regions reported cultured carp production to FAO in 2015
- In 2015, global culture shrimp production reached 4.9 million tonnes;
- Shrimp accounted for 6.4% of global aquaculture production in 2015; rapid increase (3.5-6.7%) between 2000-2006
- 15.8% of total value of cultured aquatic animals in 2015 (2<sup>nd</sup>); remained same in last 20 years, reduced comparative price;

Country	Production
<b>China</b>	1,892,801
<b>Indonesia</b>	595,071
<b>Viet Nam</b>	550,240
<b>India</b>	500,758
<b>Ecuador</b>	403,000
<b>Thailand</b>	294,896
<b>Mexico</b>	130,361
<b>Bangladesh</b>	84,024
<b>Brazil</b>	69,860
<b>Philippines</b>	60,875



# Cultured shrimp production by species in 2015



■ Whiteleg shrimp

■ Giant tiger prawn

■ Penaeus shrimps nei

■ Kuruma prawn

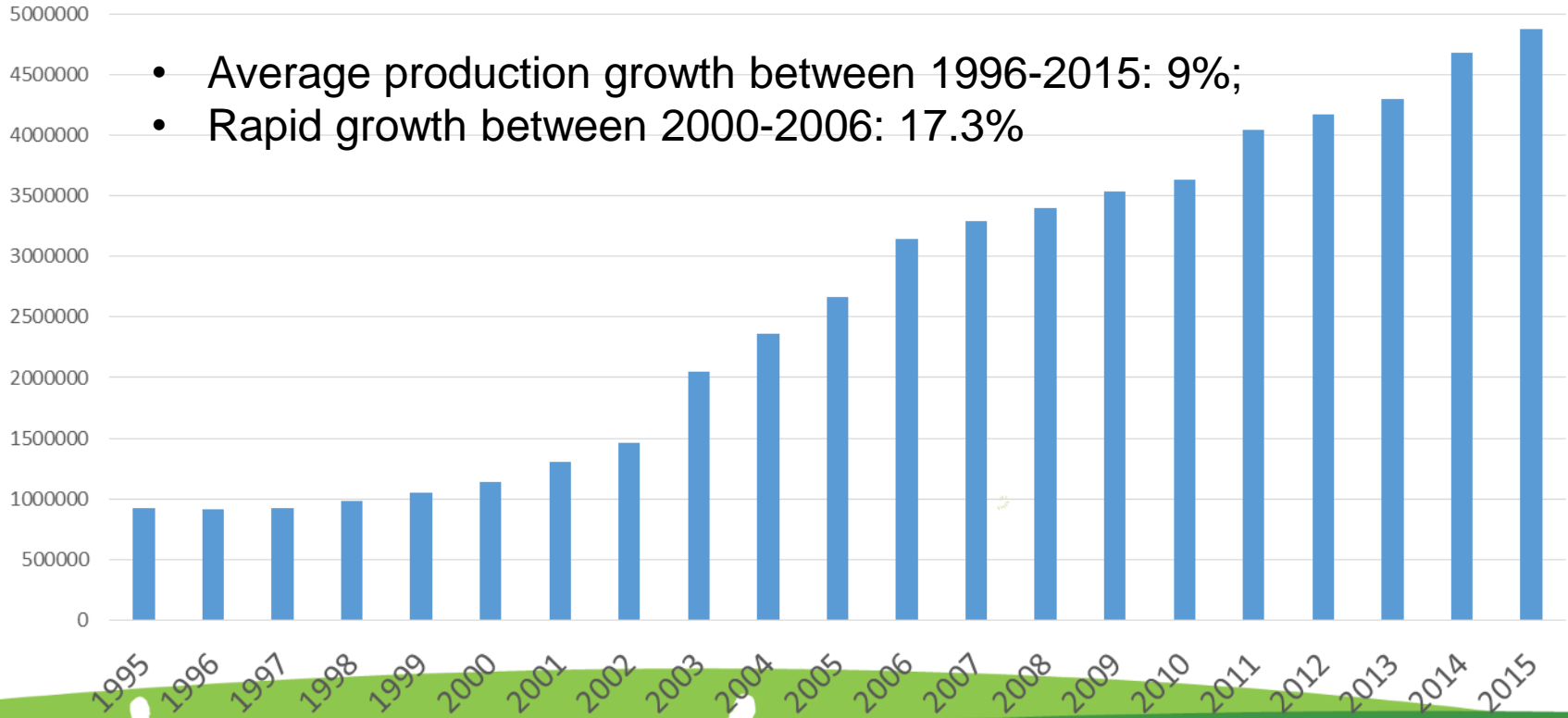
■ Fleshy prawn

■ Metapenaeus shrimps nei

■ Banana prawn

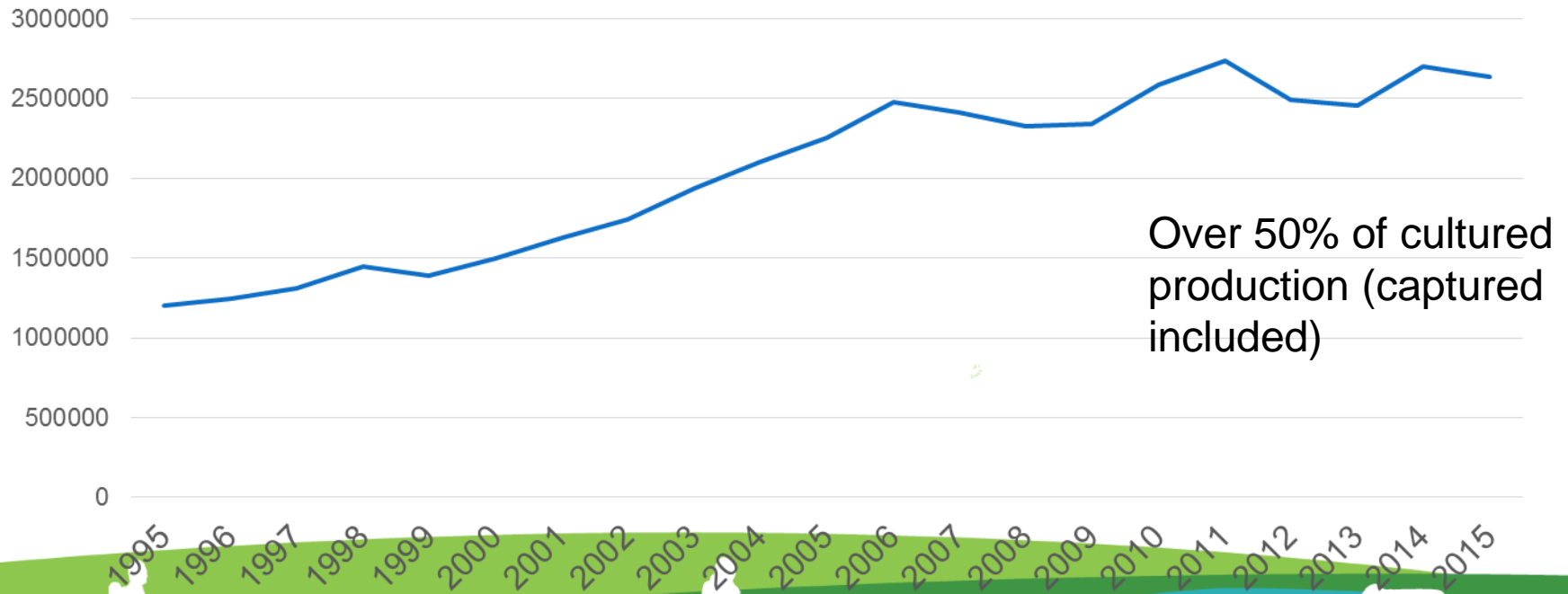


# Trend of cultured shrimp production



# Global shrimp trade

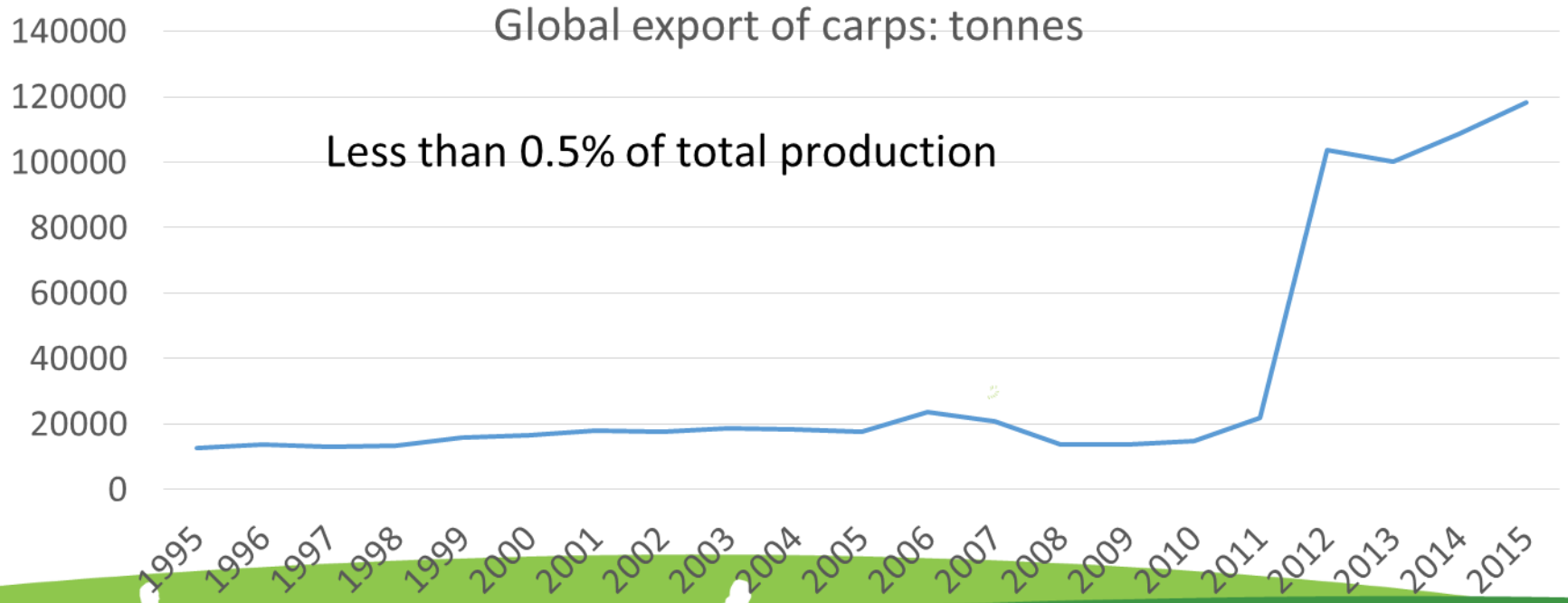
## Global export quantity: tonnes



Over 50% of cultured production (captured included)

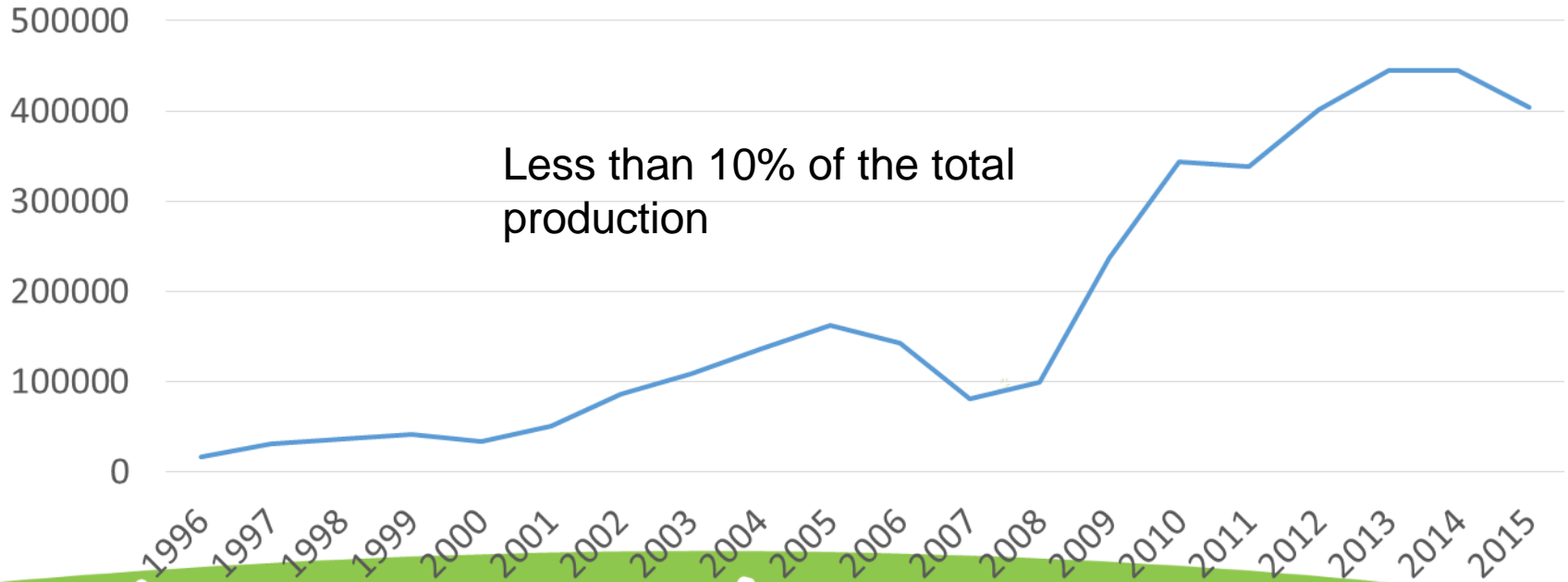


# Global trade of carps



# Global trade of Tilapia

Tilapia export: tonne





# Future prospect of carp, shrimp, tilapia culture

- Carp production is likely to maintained or keep slow growth:
  - Bulk fish supply for many Asian countries-staple fish for domestic, low production cost
  - Limited international market (consumer preference)
  - Not so adapted to changing life style of people (smaller family, quick life pace)
- Tilapia production will continue to grow at fast rate:
  - Short production period and easy culture techniques; relatively low cost)
  - good international market
  - More adapted to changing lifestyle (moderate size, no intramuscular bones, etc.)
- Shrimp production will continue to grow fast:
  - Improving living stand will increase the demand for high valued species;
  - Marine catch of wild shrimp is reducing due to overfishing, environmental degradation and CC impact;
  - Good international and intraregional market-- Convenience in consumption



***THANK YOU FOR ATTENTION!***

