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Professor Ragnar Tveteras is a business economist at the University of Stavanger's Department for Industrial Economics, Risk Management and Planning.

His research focuses primarily on aquaculture and seafood markets.

As a writer and lecturer, he maintains relationships with authorities and private decision makers at the regional, national and international levels.

Fish Production Estimates & Trends, 2013-2014

Ragnar Nystoyl
Ragnar Tveteras

Acknowledgements

- Organizations: GAA, Urner Barry, Norwegian Seafood Council, Eurostat, FAO, Apromar, IMF.
- Darryl Jory, Paul S. Valle, Apostolos Tzoumas, Brian O'Hanlon, Chris Calogeras , Dr. P.E.Vijay Anand , Jack Zhang Chunbin, Kevin Fitzsimmons, Liu Liping, M Siva Prasad, Mauricio Castro, Philip Shin, Ronald Cheong, Sergio Zimmermann, Tzyh-Chung Miaw, Sigbjorn Tveteras, and many anonymous sources.

Scope of Analysis

- Most focus on internationally traded species:
  - Typically imported to USA, Europe & Japan.
- Production forecasts for 2013 for all chosen species:
  - But for some species only major producer countries/regions.
- Global production forecast for 2014 almost all species.

Finfish Species Included in Analysis

Freshwater

- Tilapia
- Catfish
  - Pangasius
  - Channel catfish, etc.
- Carp

Diadromous

- Salmon & Trout
  - Atlantic salmon
  - Coho salmon
  - Trout
- Barramundi
- Milkfish

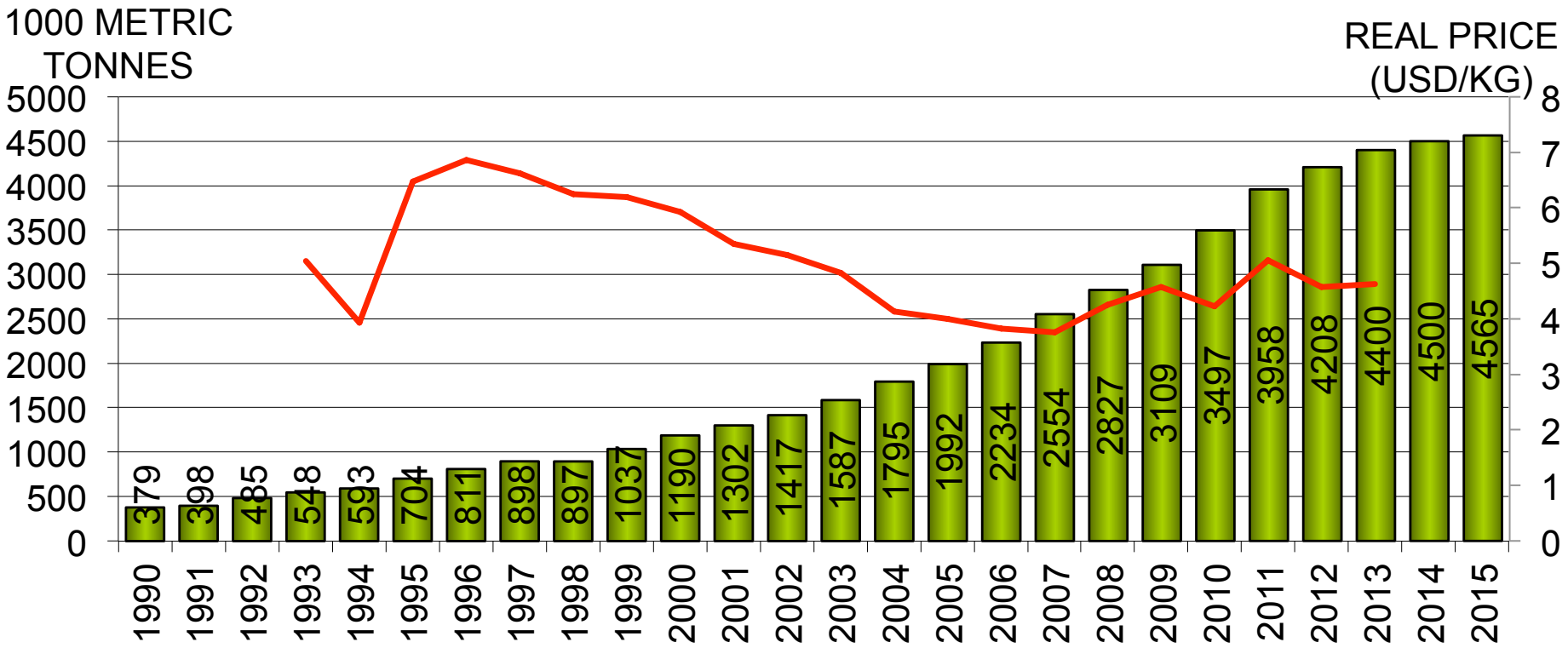
Marine

- Seabass & Bream
- Flatfishes
  - Olive Flounder
  - Atlantic Halibut
  - Turbot
- Cobia
- Atlantic cod
- Bluefin tuna
- Grouper

FRESHWATER

TILAPIA

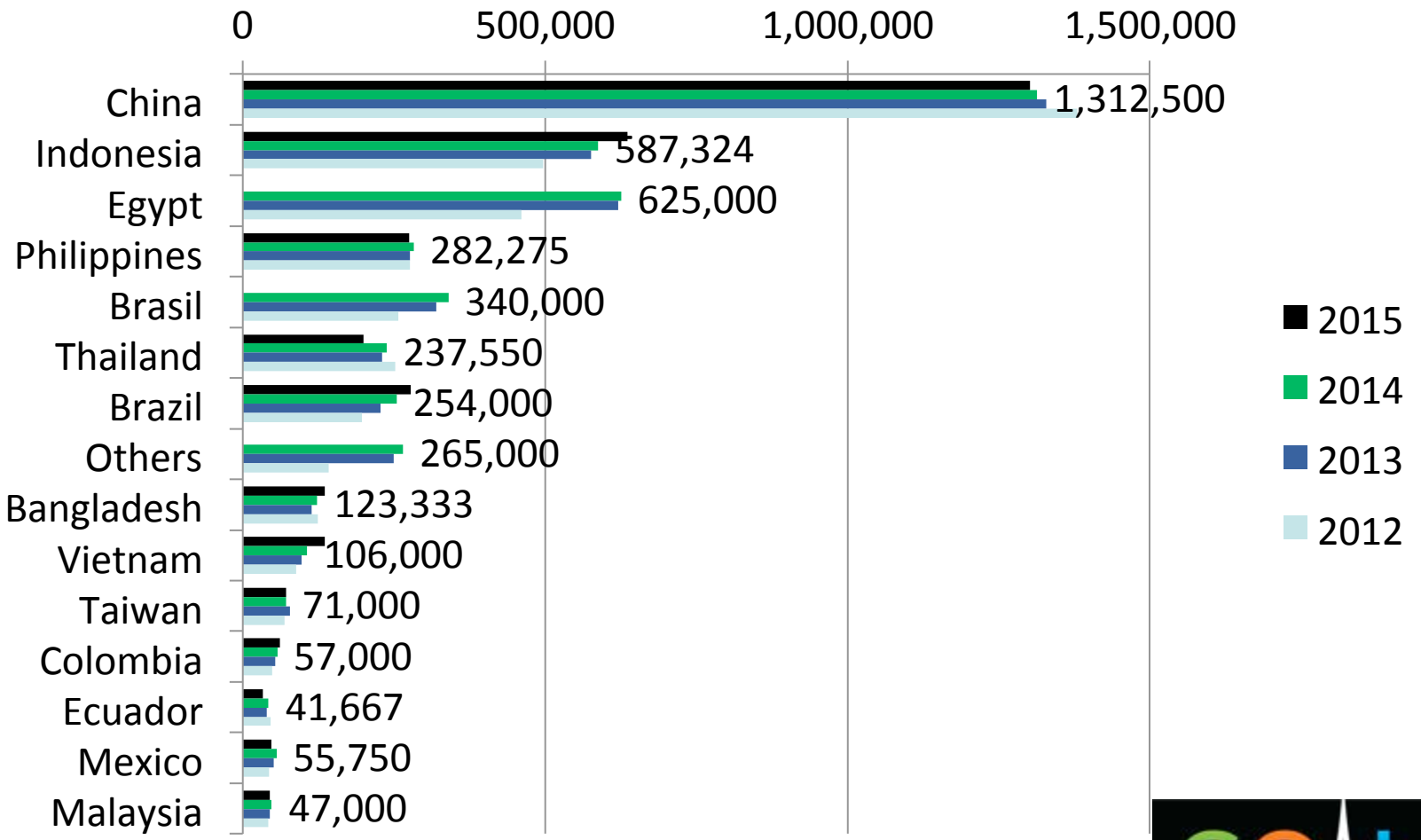
Tilapia
Global Aquaculture Production



Sources: 1990-2011: FAO; 2012-2015: Kevin Fitzsimmons ; Prices US import frozen fillet: NMFS.
Note: Prices are January-December averages, except for 2012 (January-August average)

Tilapia

Countries production sorted by 2012 figures

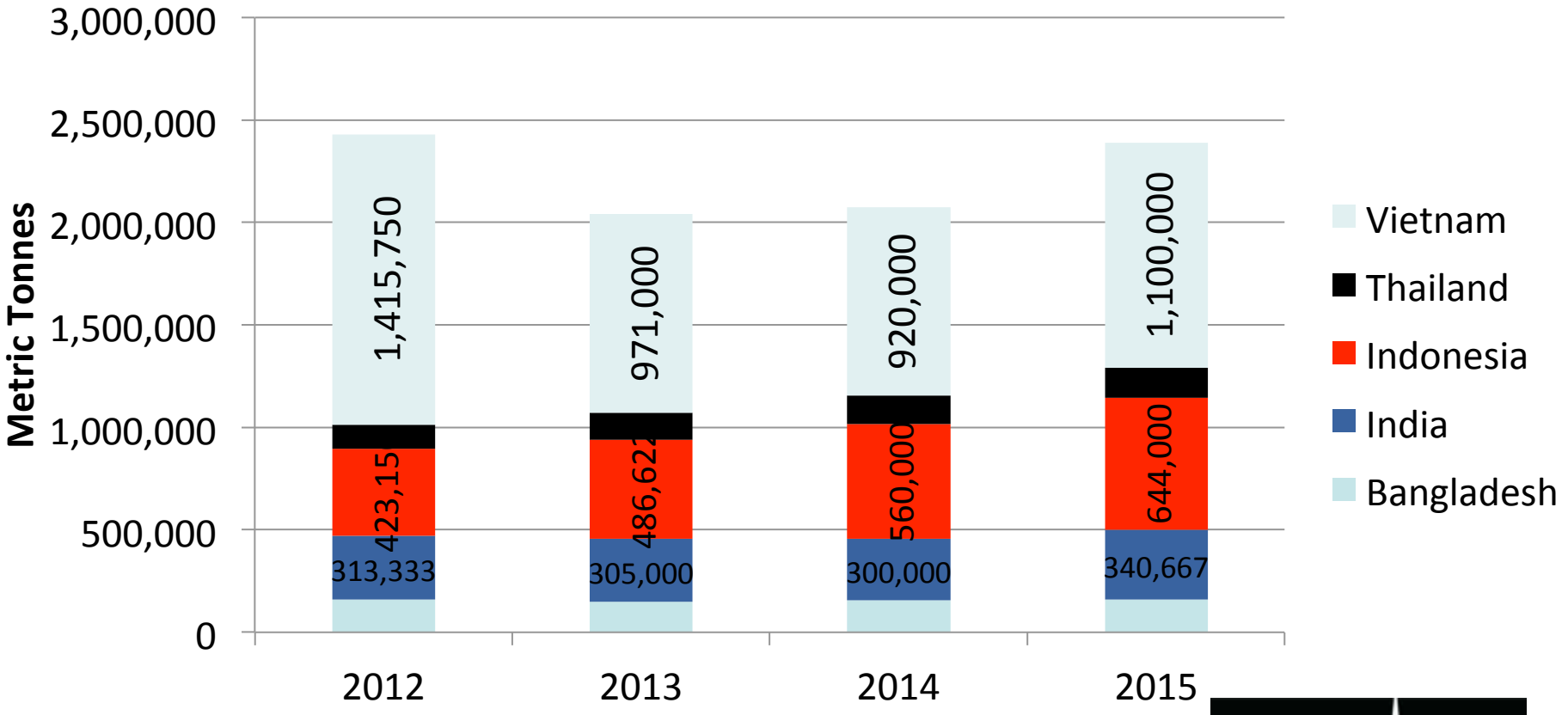


Average of estimates from several sources.

PANGASIUS

Pangasius

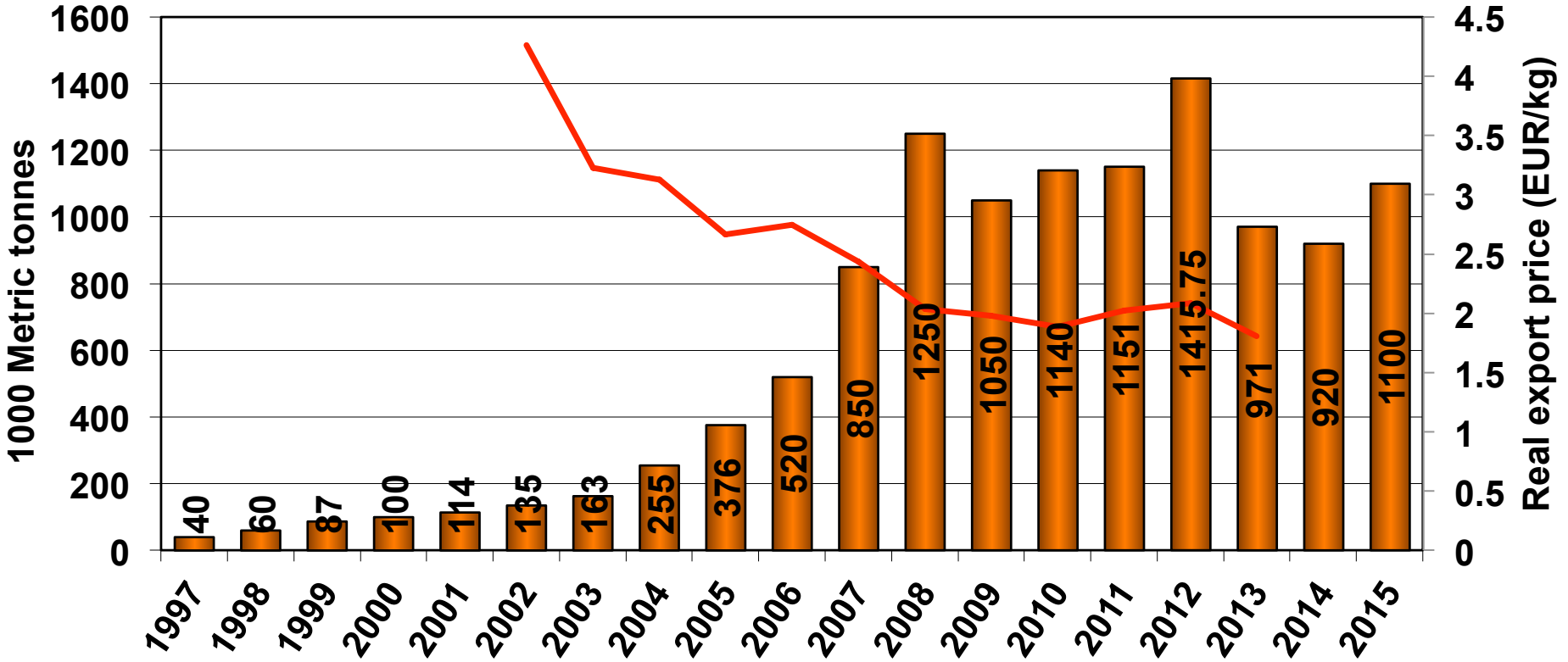
Production in selected countries



Sources: Kontali, Dr. P.E.Vijay Anand , M Siva Prasad and several anonymous.

Pangasius

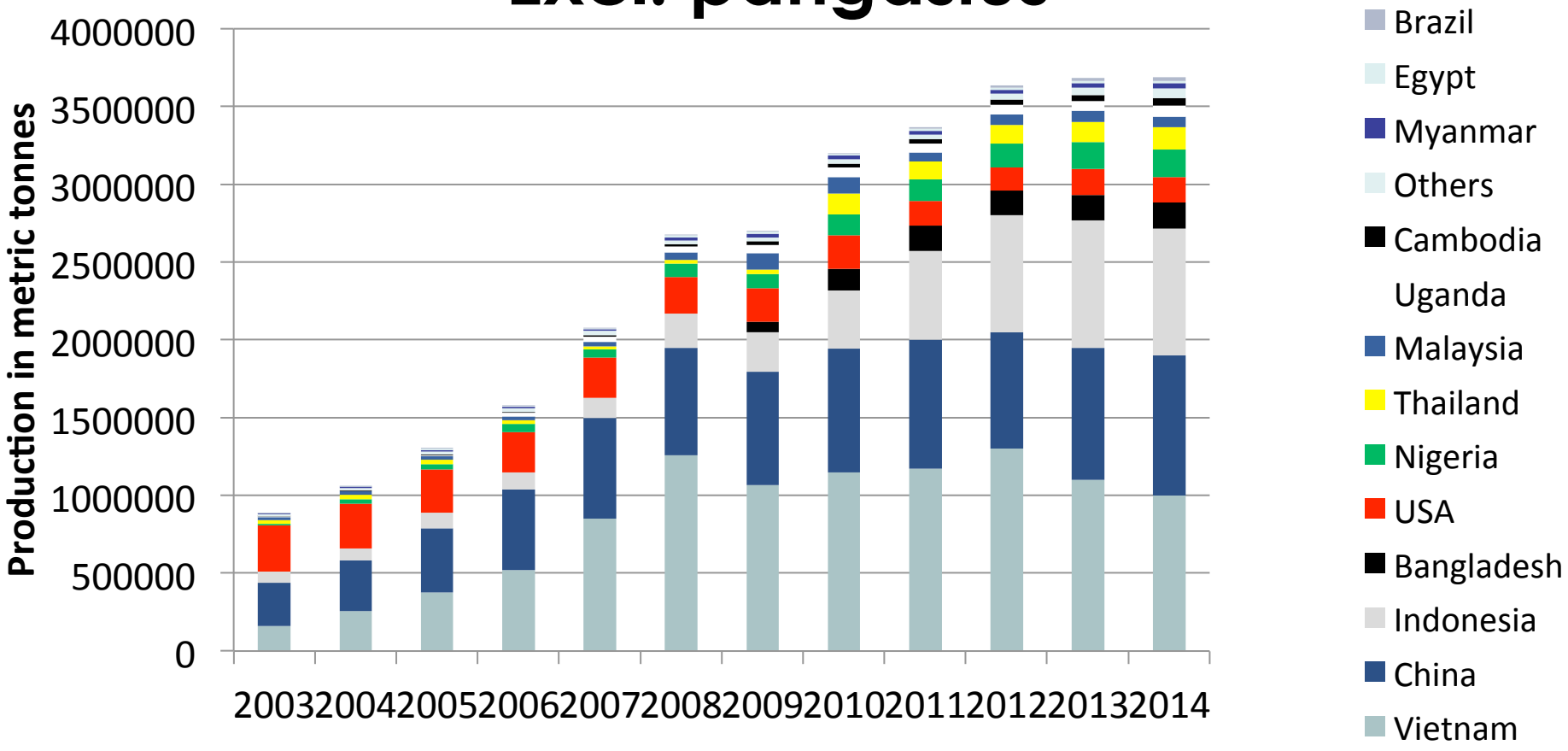
Production in Vietnam and EU import real import price (EUR kg)



Sources: FAO (1997-2011), miscellaneous sources (2012-2015). Prices: Norwegian Seafood Council/Eurostat.

Total production of Catfish species

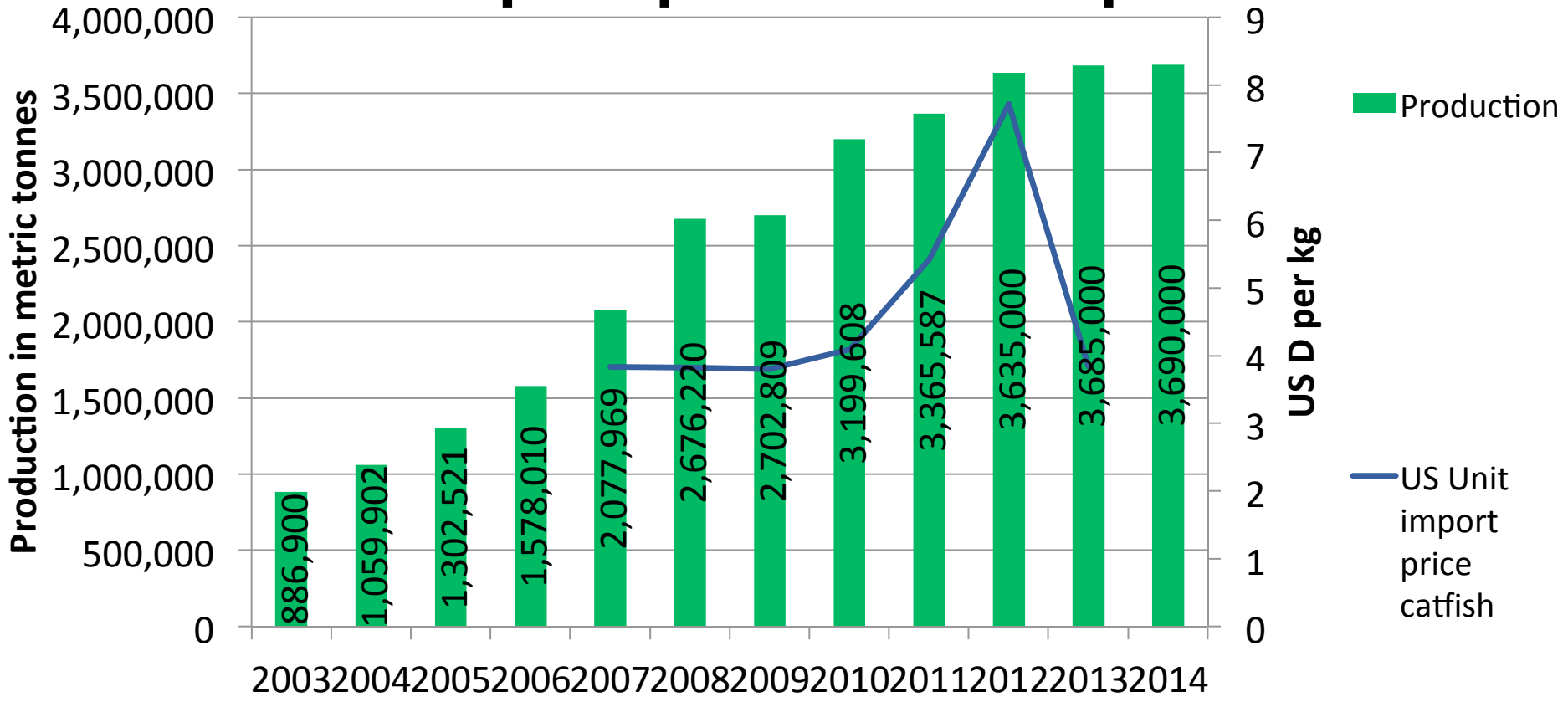
Excl. pangasius



Sources: FAO, Kontali and miscellaneous anonymous.

Total production of Catfish species

US unit import price catfish products

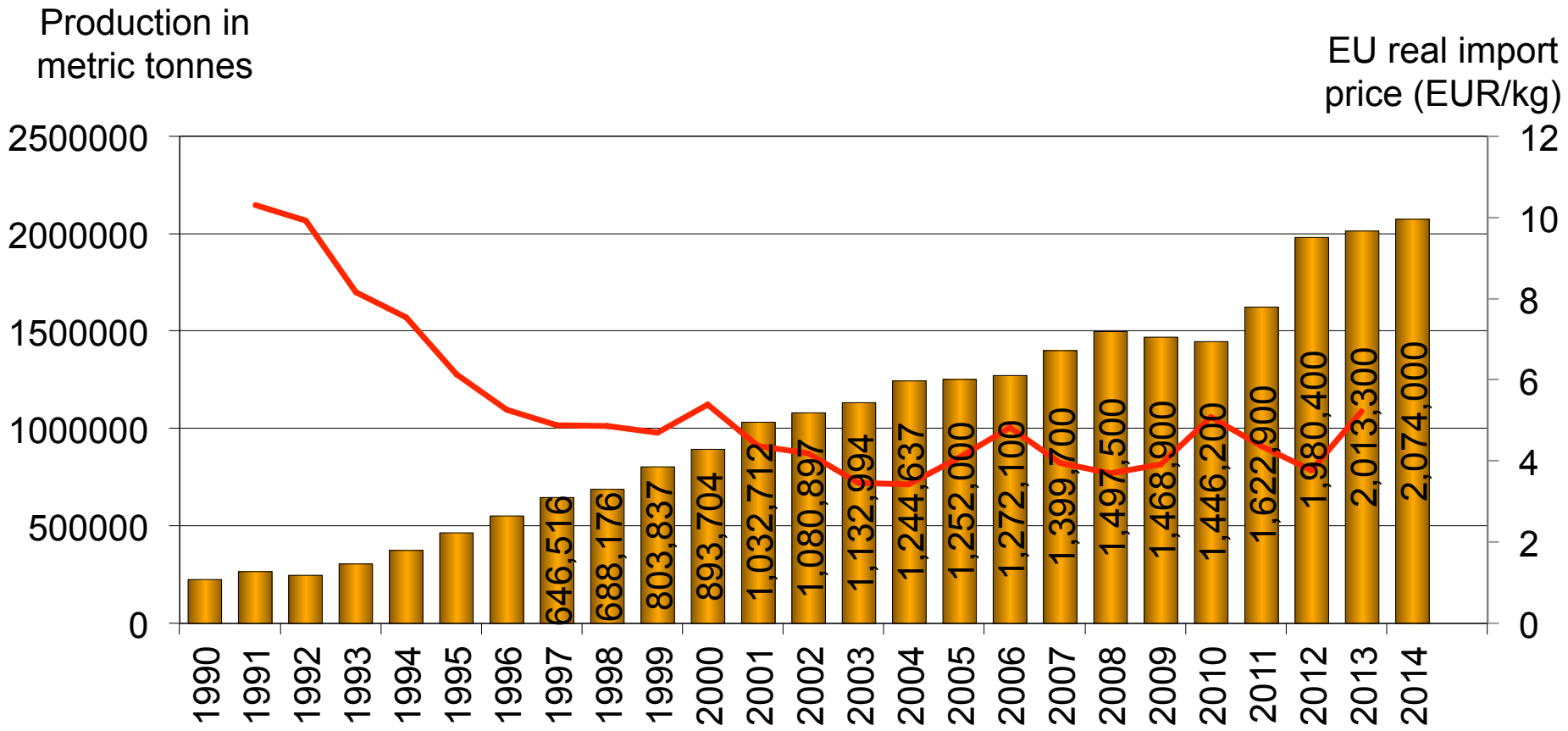


Sources: FAO, Kontali. Prices: Urner Barry.

DIADROMOUS

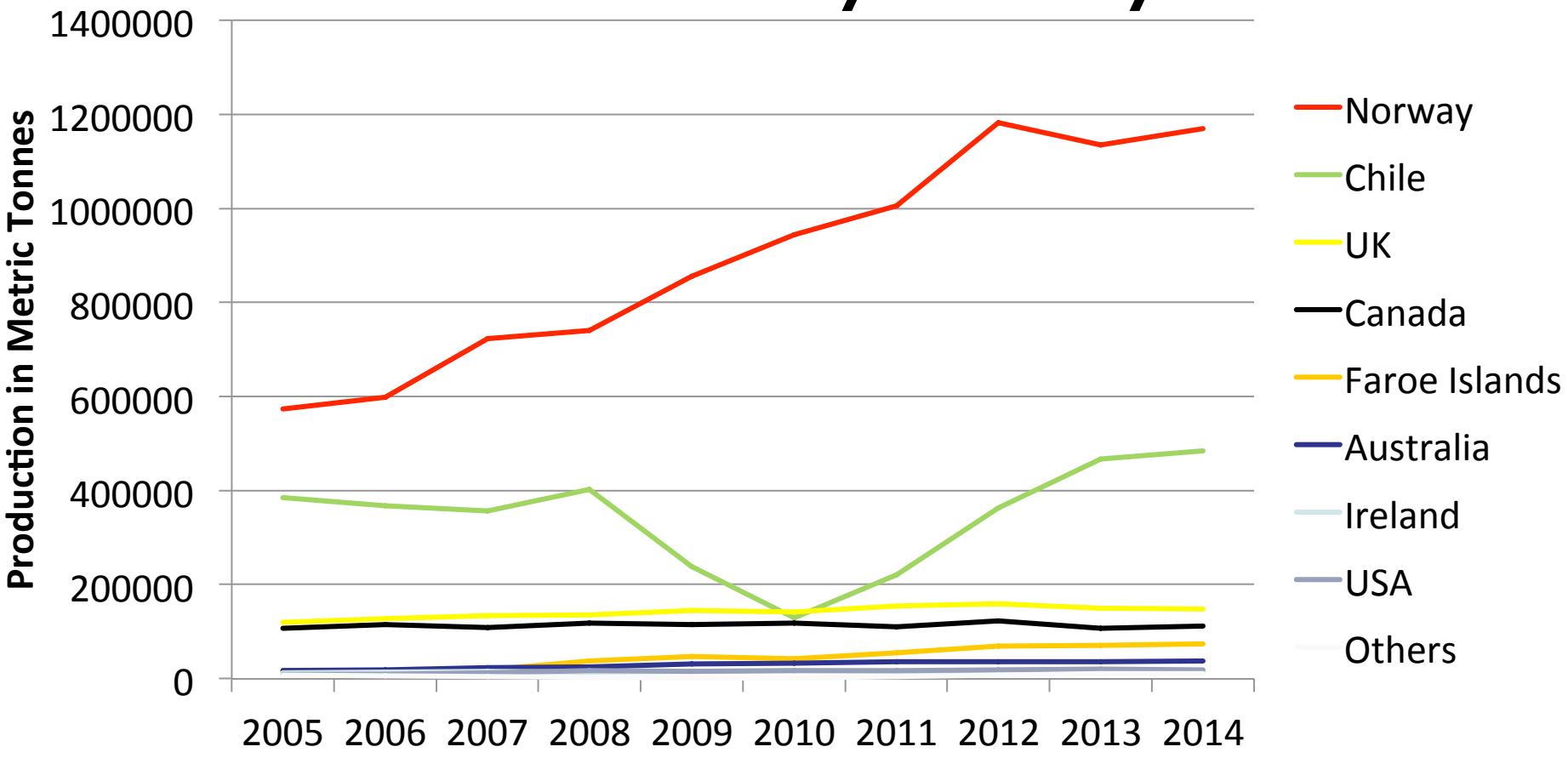
SALMONIDS

Atlantic Salmon
Production and EU15 real import price fresh gutted from Norway



Sources: FAO, Kontali, NSEC/Eurostat (prices). Note: Prices 1991-2012 are annual averages. Price in 2013 is January-July average.

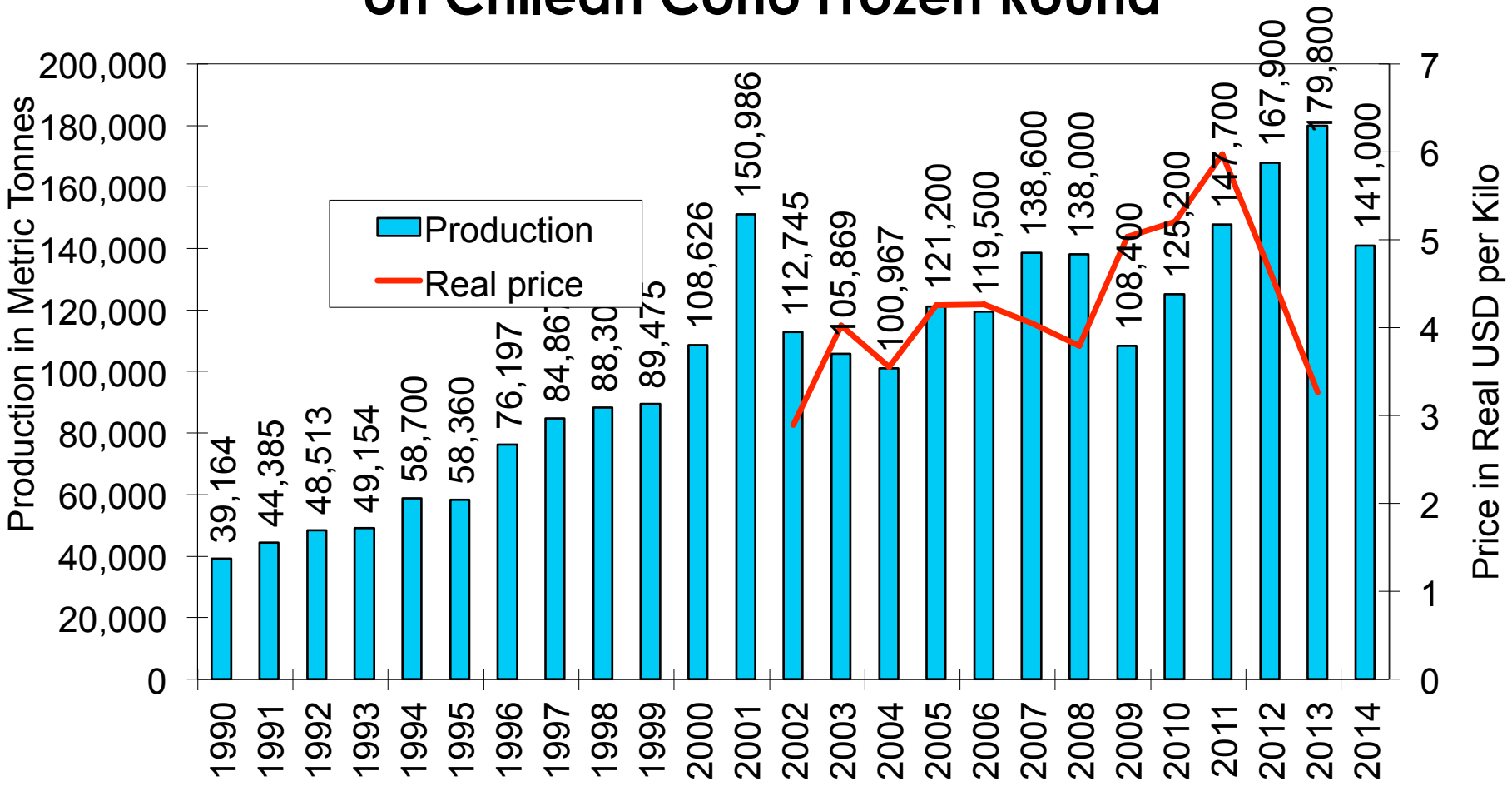
Atlantic Salmon
Production by country



Source: Kontali

Coho Salmon

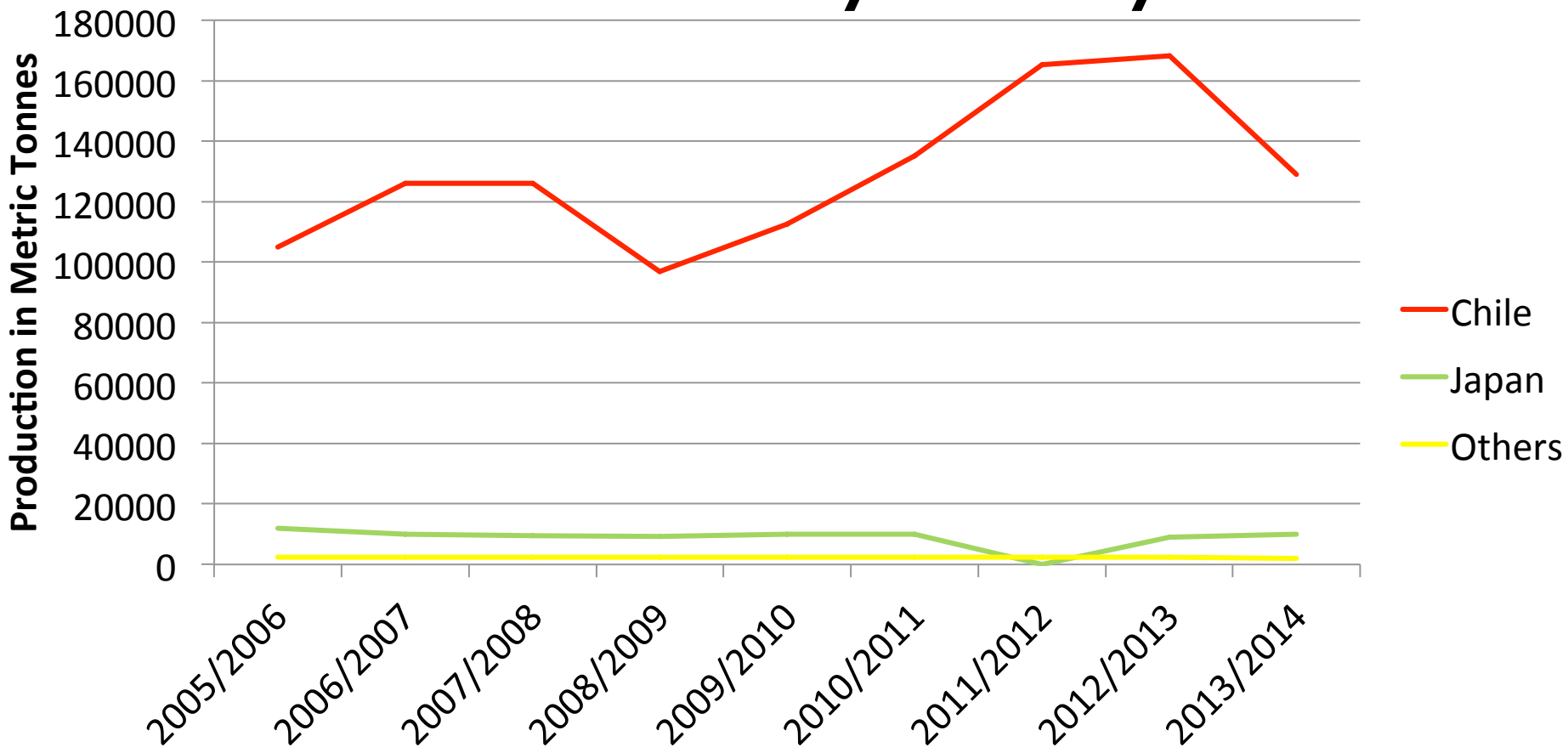
Total Production and Real Export Price on Chilean Coho Frozen Round



Sources: FAO , Kontali ,NSC

Coho Salmon

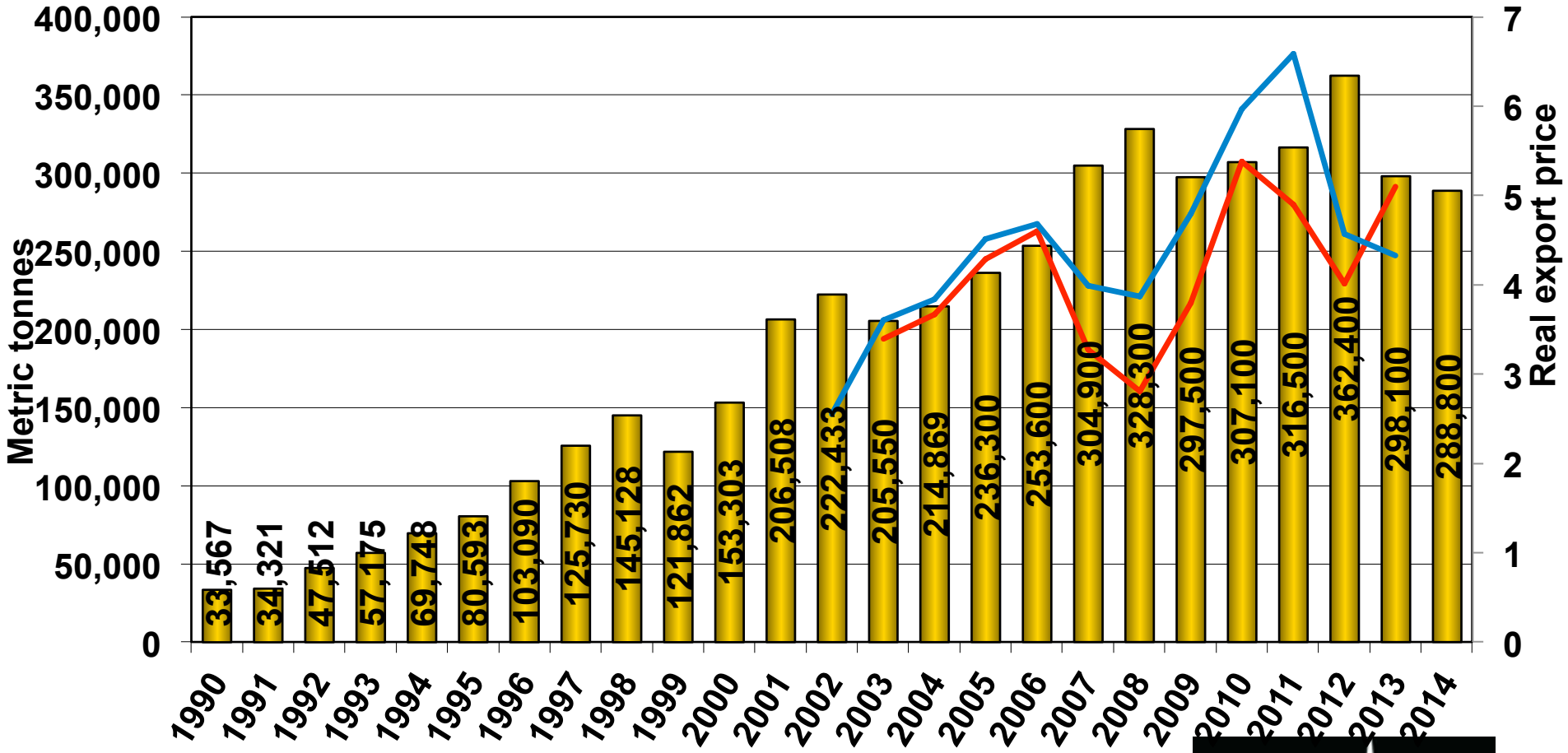
Production by country



Source: Kontali

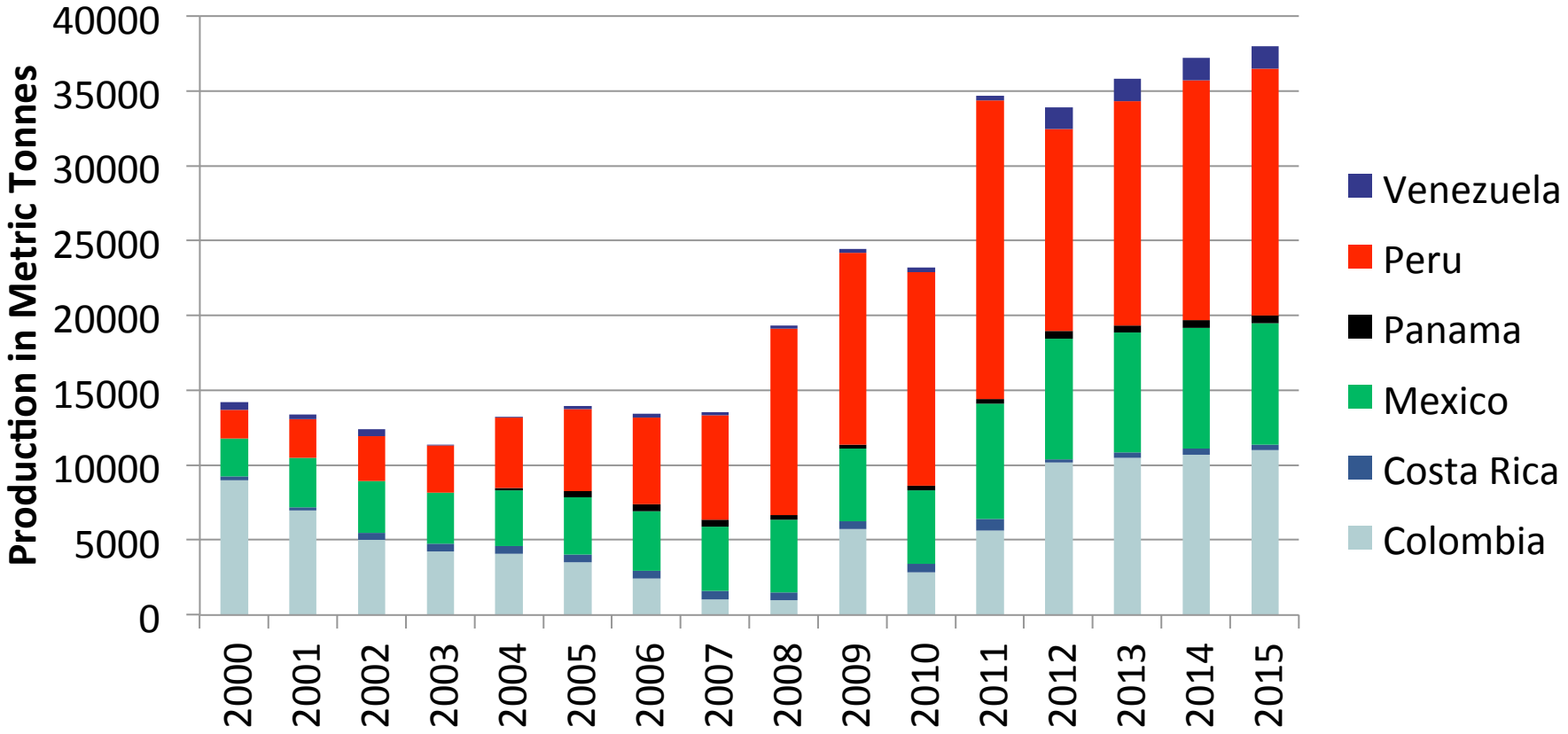
Rainbow Trout

Total Marine Production and Chilean frozen USD/kg (blue) and Norwegian fresh EUR/kg (red) real export prices



Sources: FAO, Kontali, NSC. Note: Prices are annual averages except 2013 (January-July average).

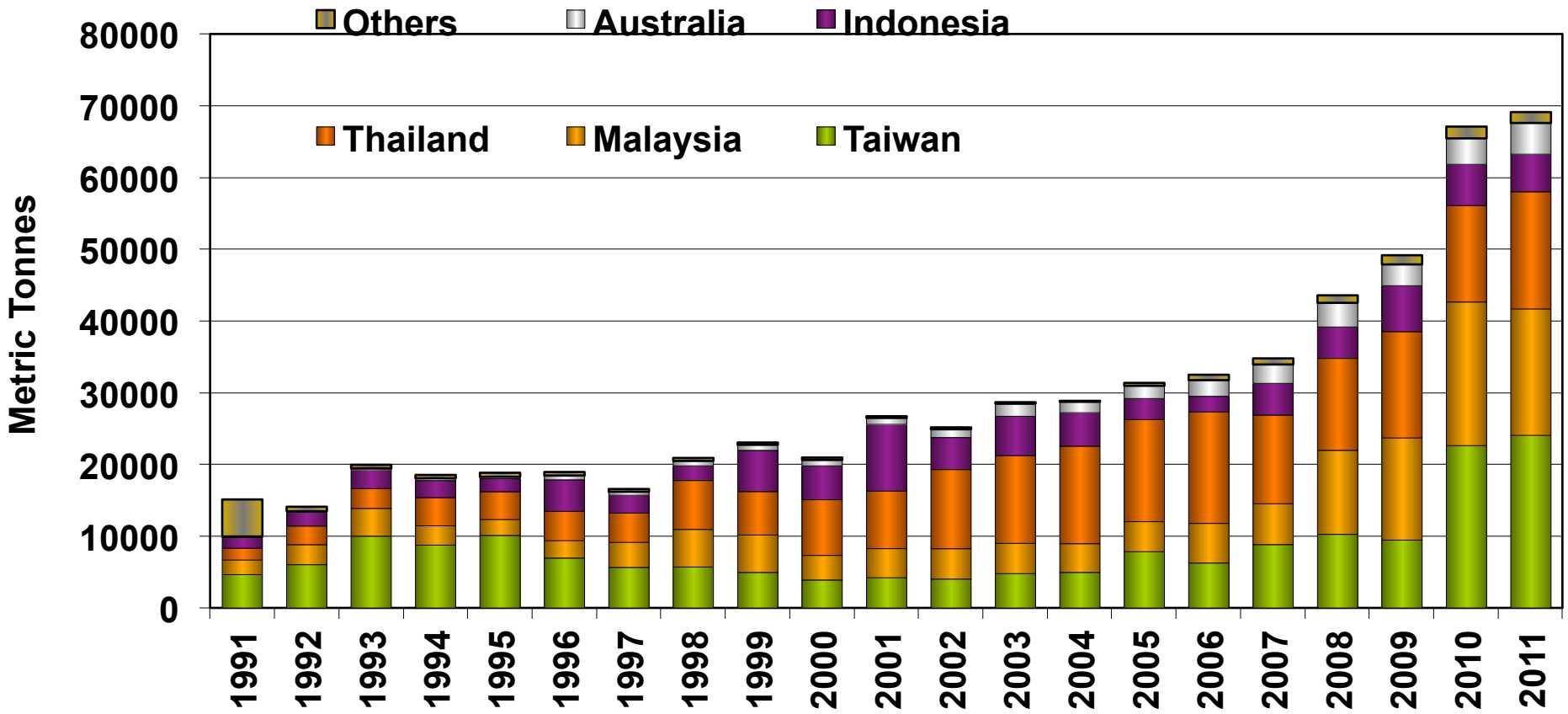
Trout production in Latin America, excl. Chile



Sources: FAO (1999-2011); Anonymous (2012_2015).

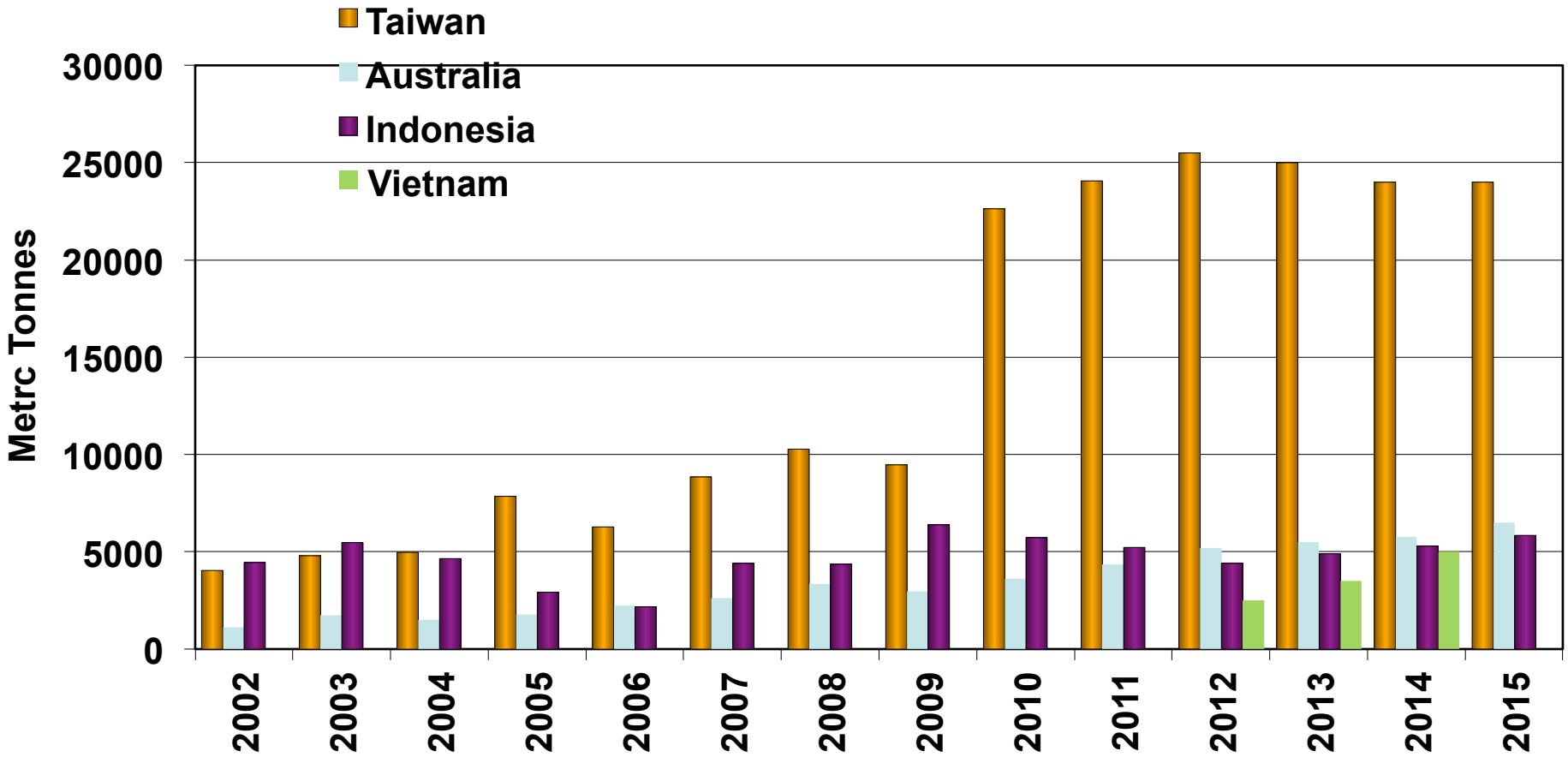
Barramundi / Asian Seabass

Barramundi
Total production by major producing Countries



Source: FAO

Barramundi
Production forecasts for selected countries

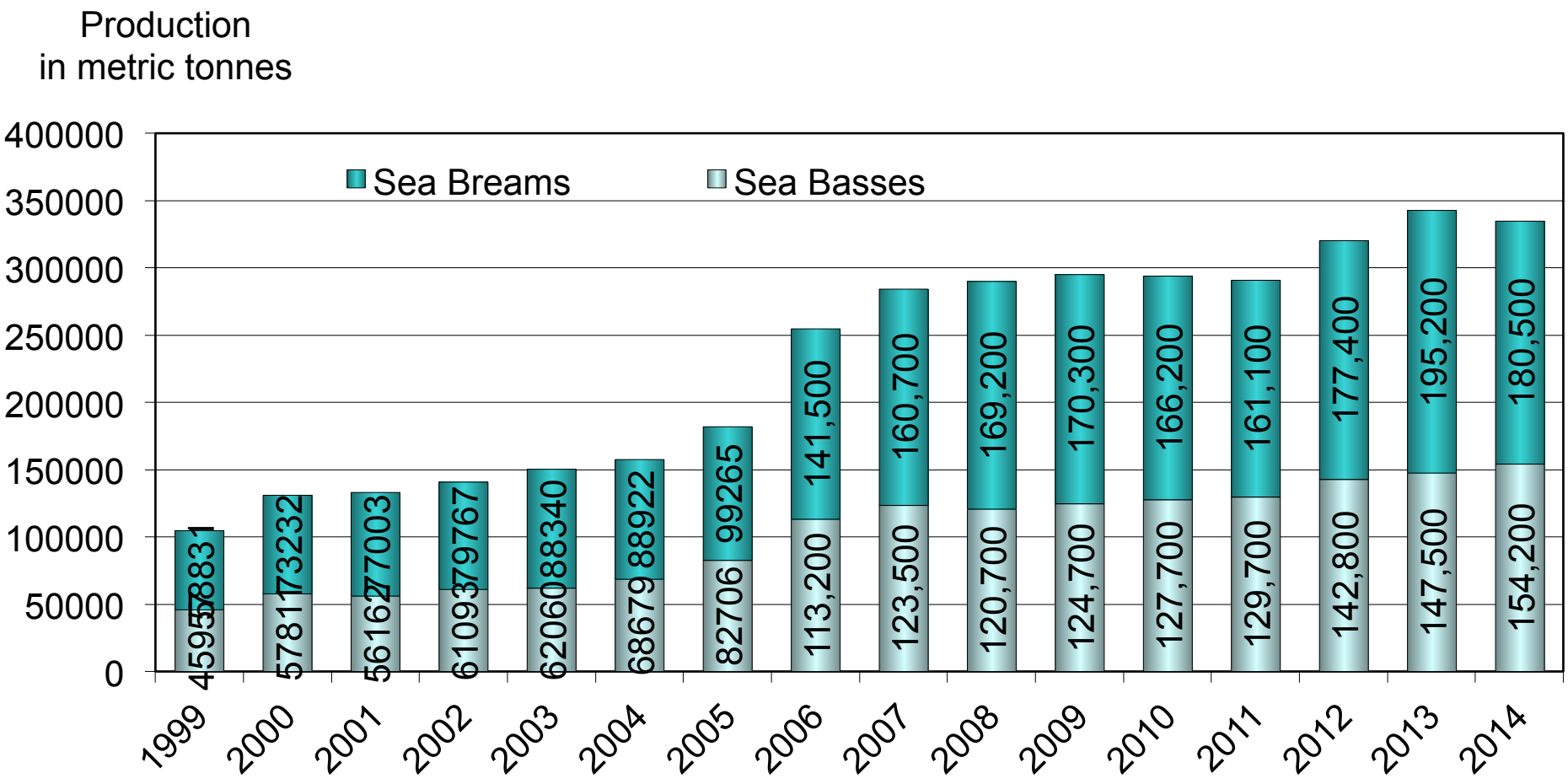


Sources: FAO (2002-2010) and anonymous sources (2011-2013)

MARINE

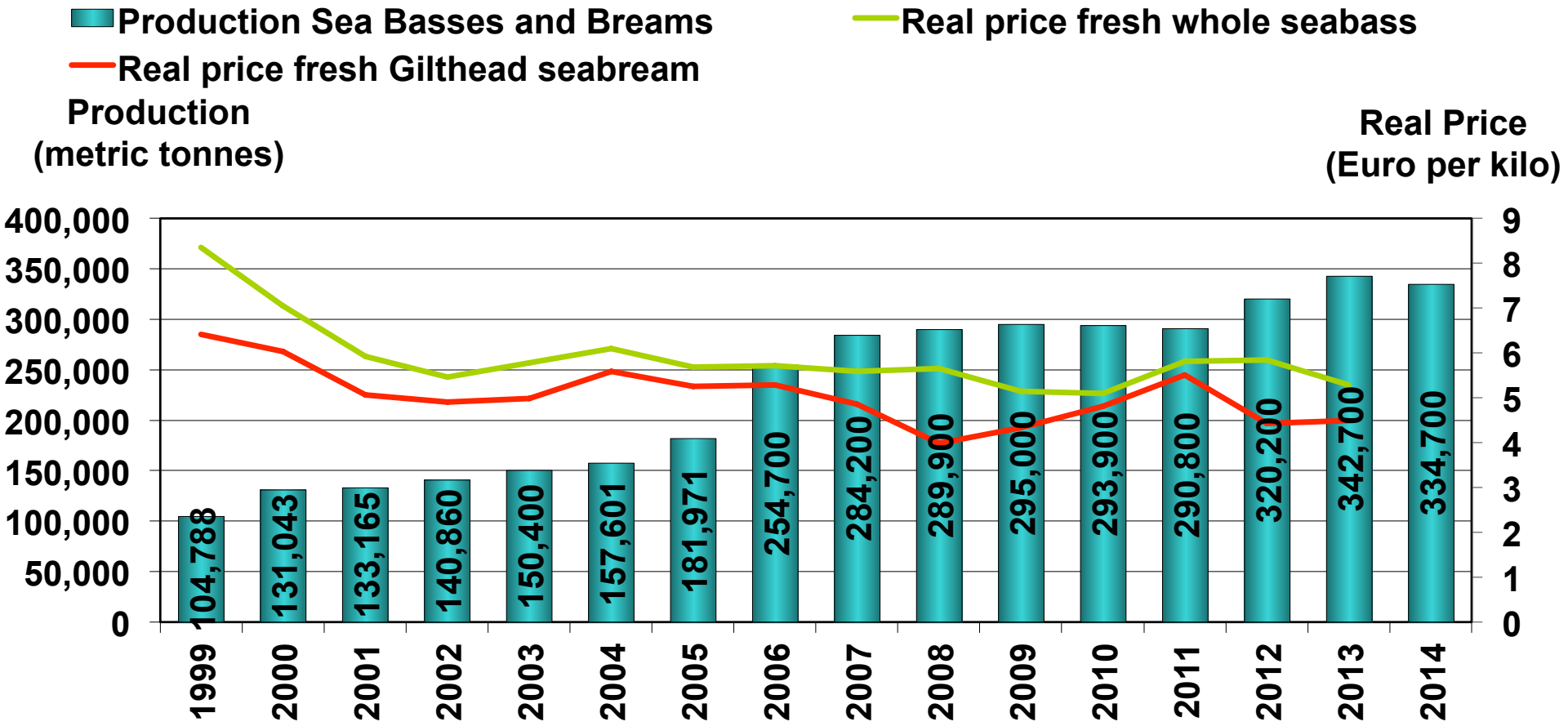
SEA BREAM AND BASS

Seabass & Sea Bream
Meditteranean Production



Source: FEAP, Kontali (2006-2013)

Seabass & Sea Bream
Mediterranean Production & Real Italian Import Price

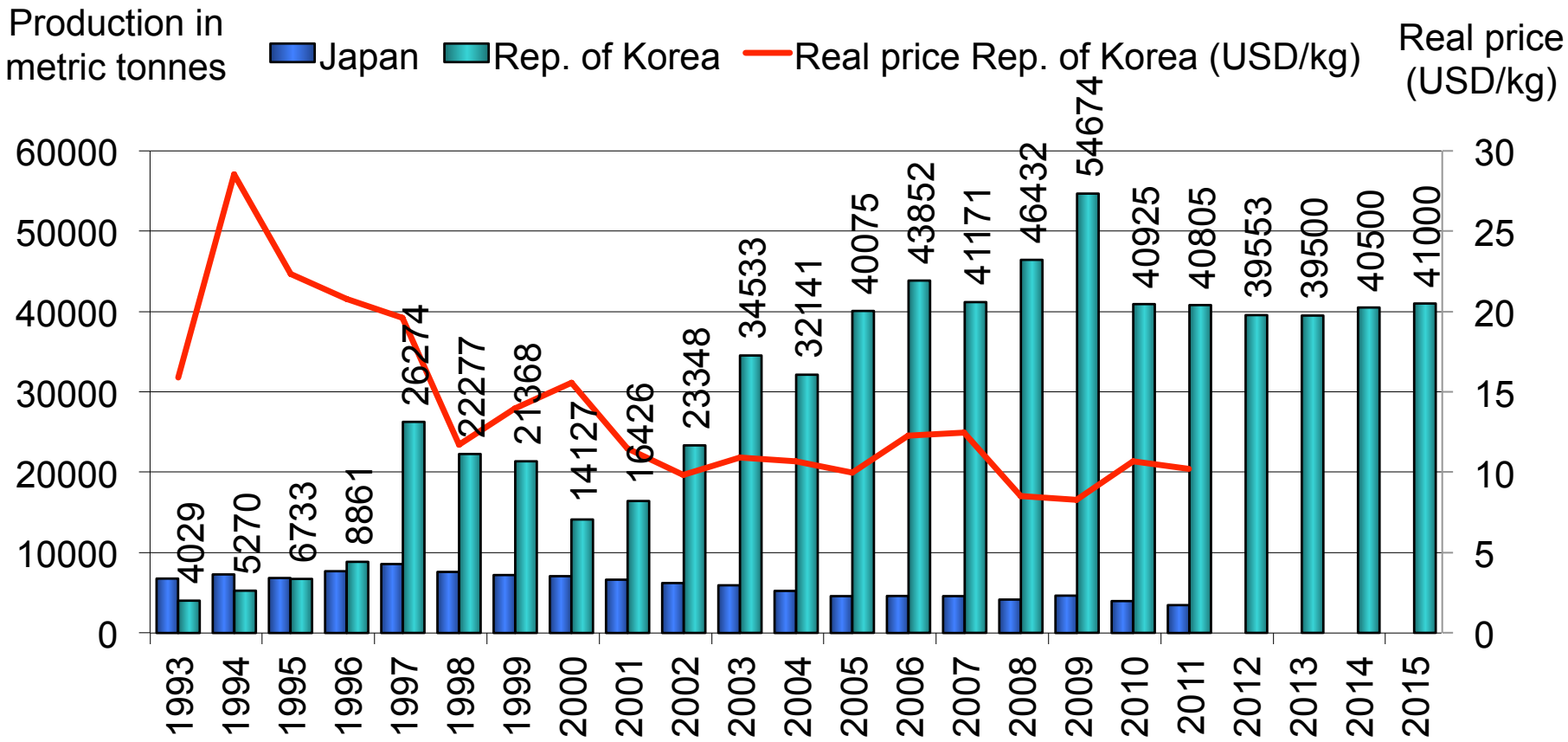


Source: FEAP, Kontali, Eurostat

FLATFISHES

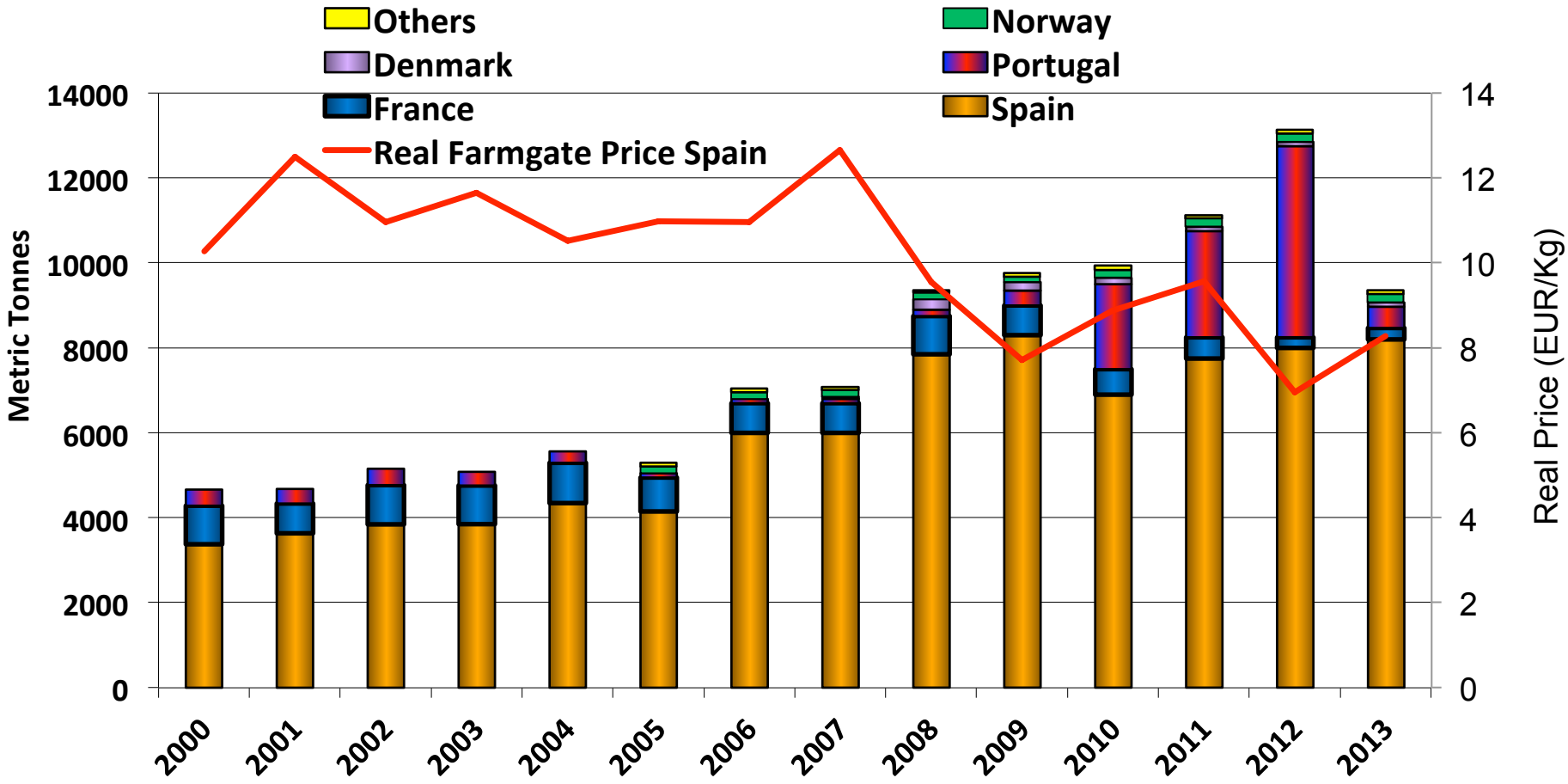
HADDOCK
FILLETS
AQUANOR
FARMED
ATLANTIC HALIBUT
Farm-Raised
Product of Canada

Olive Flounder
Production and real farmgate price



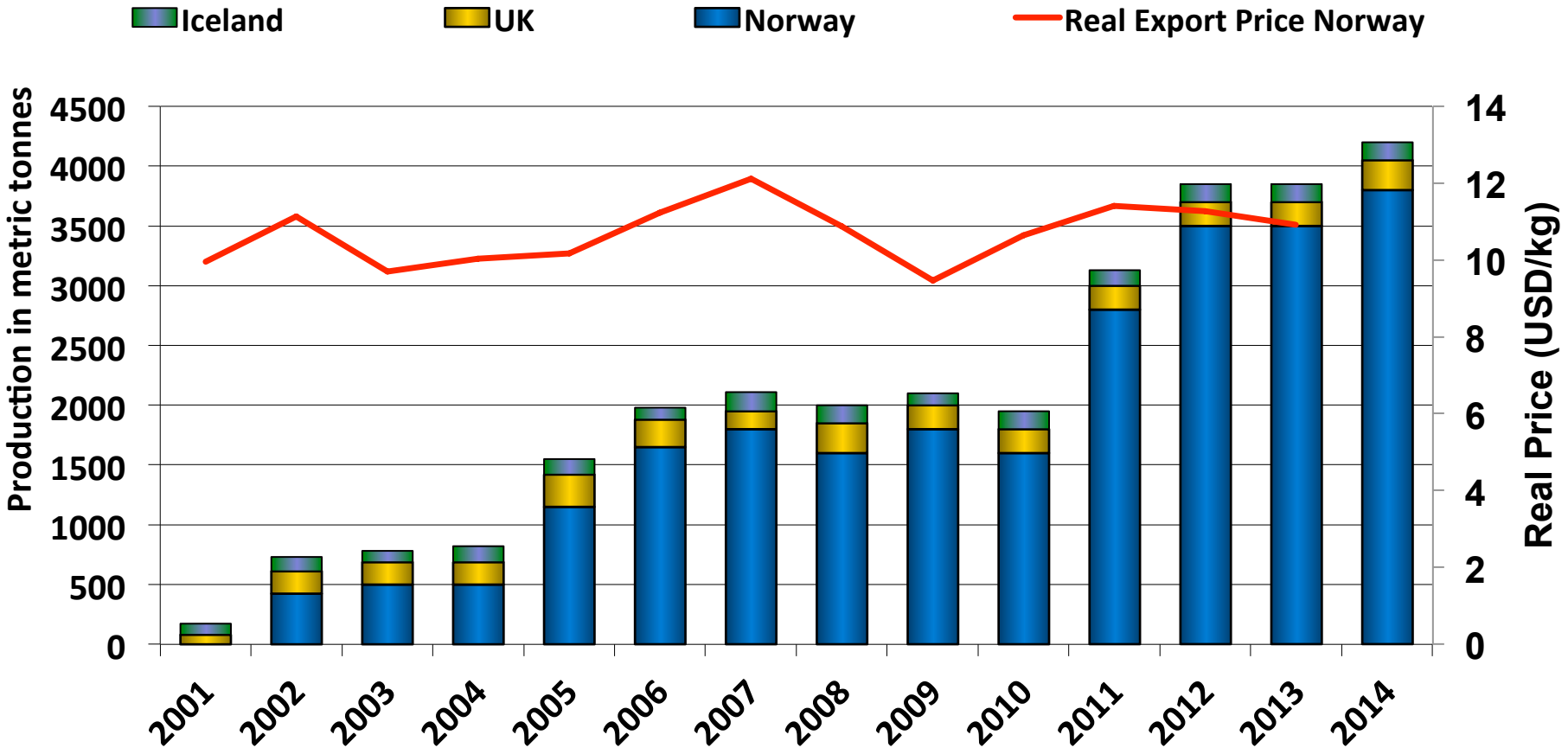
Sources: FAO (1993-2011), Philip Shin and anonymous (2012-2015)

Turbot
Production in selected countries excl. China



Sources: FAO, Kontali.

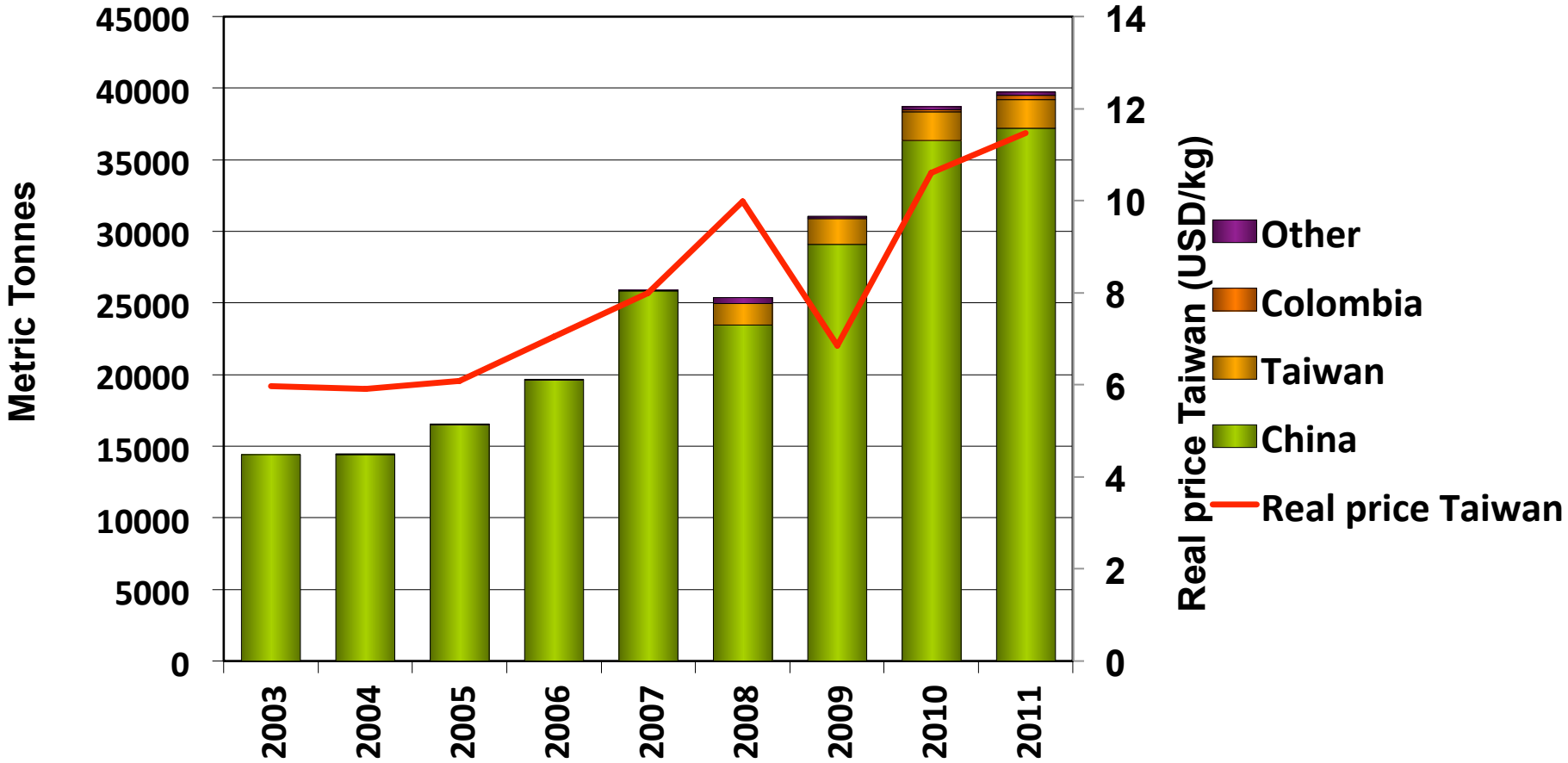
Atlantic Halibut
Production



Source: FAO (2001-2004), Kontali (2005-2014), NSC (prices). Note: Prices 2001-2012are annual averages, price in 2013is January-July average.

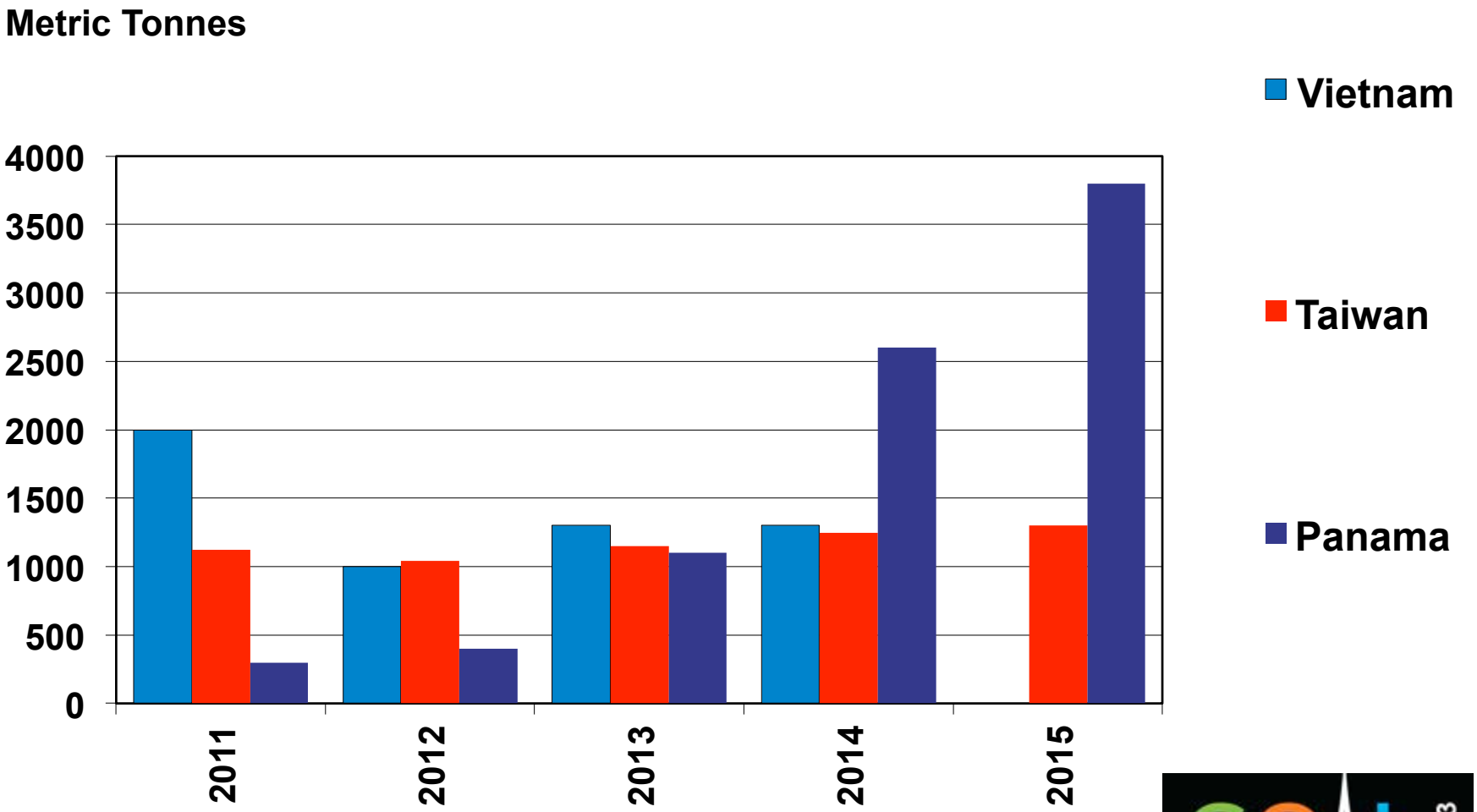
COBIA

Cobia
Major Producing Countries until 2011



Source: FAO

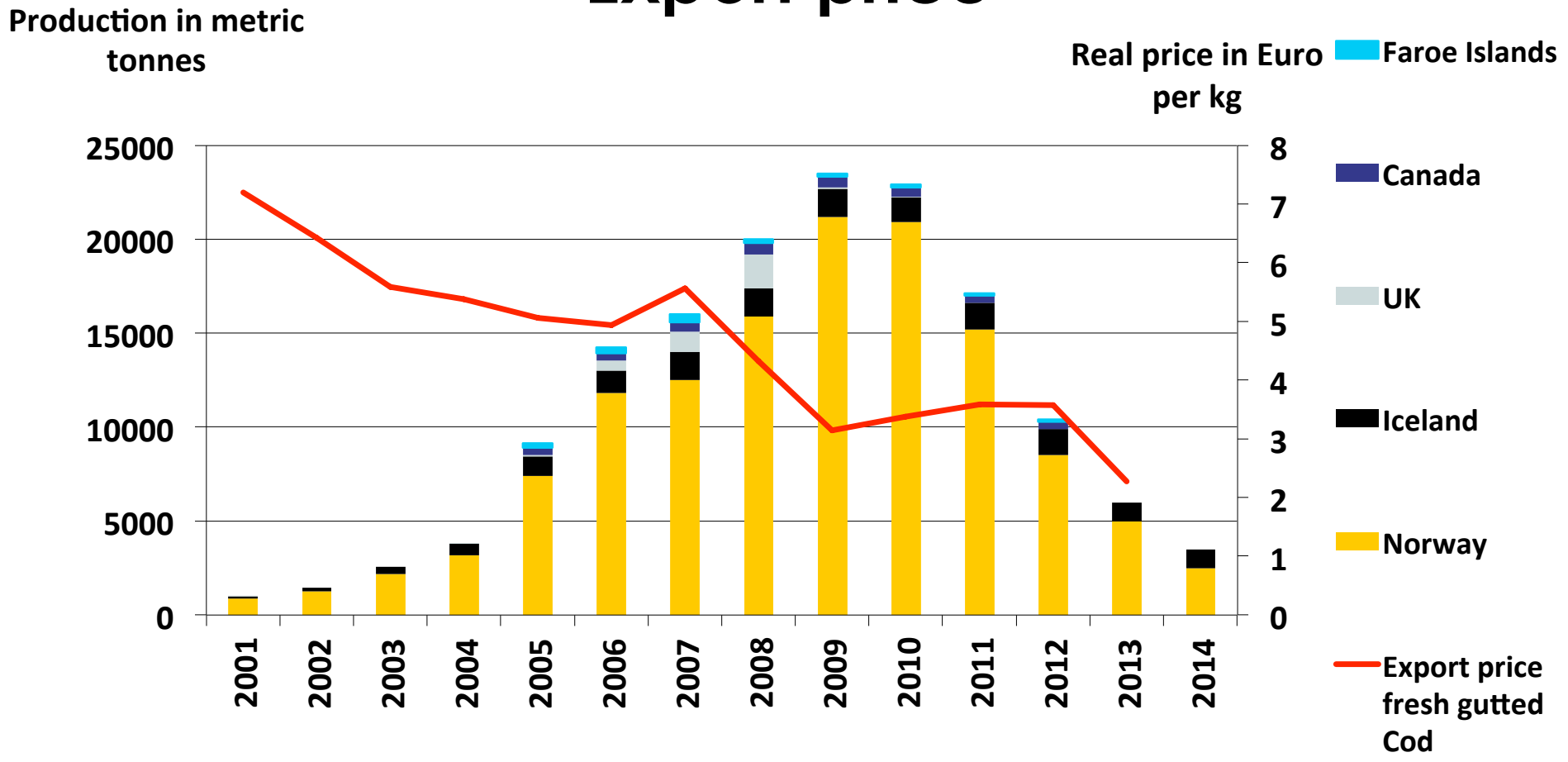
Farmed Cobia
Estimates for Vietnam, Taiwan and Panama



Source: FAO (2011), Various sources (2012-2015)

ATLANTIC COD

Atlantic Cod
Total Farmed Production and Norwegian Export price

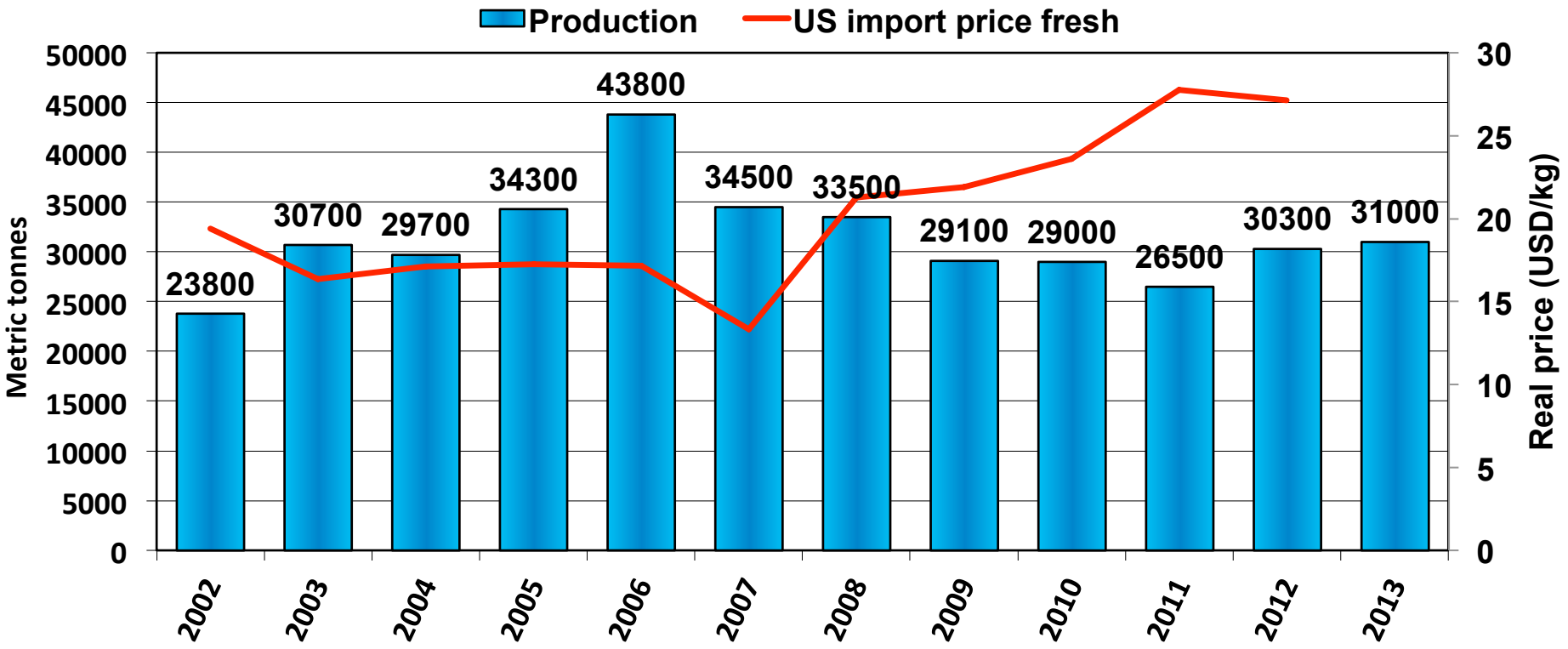


Sources: Norwegian Directorate of Fisheries (1989-2004), Kontali (2005-2013), Norwegian Seafood Council (Prices) . Note: Prices 2001-12 are annual averages, price in 2013 is Jan-July average.

TUNAS

Bluefin Tuna

Total Production and US real import price fresh

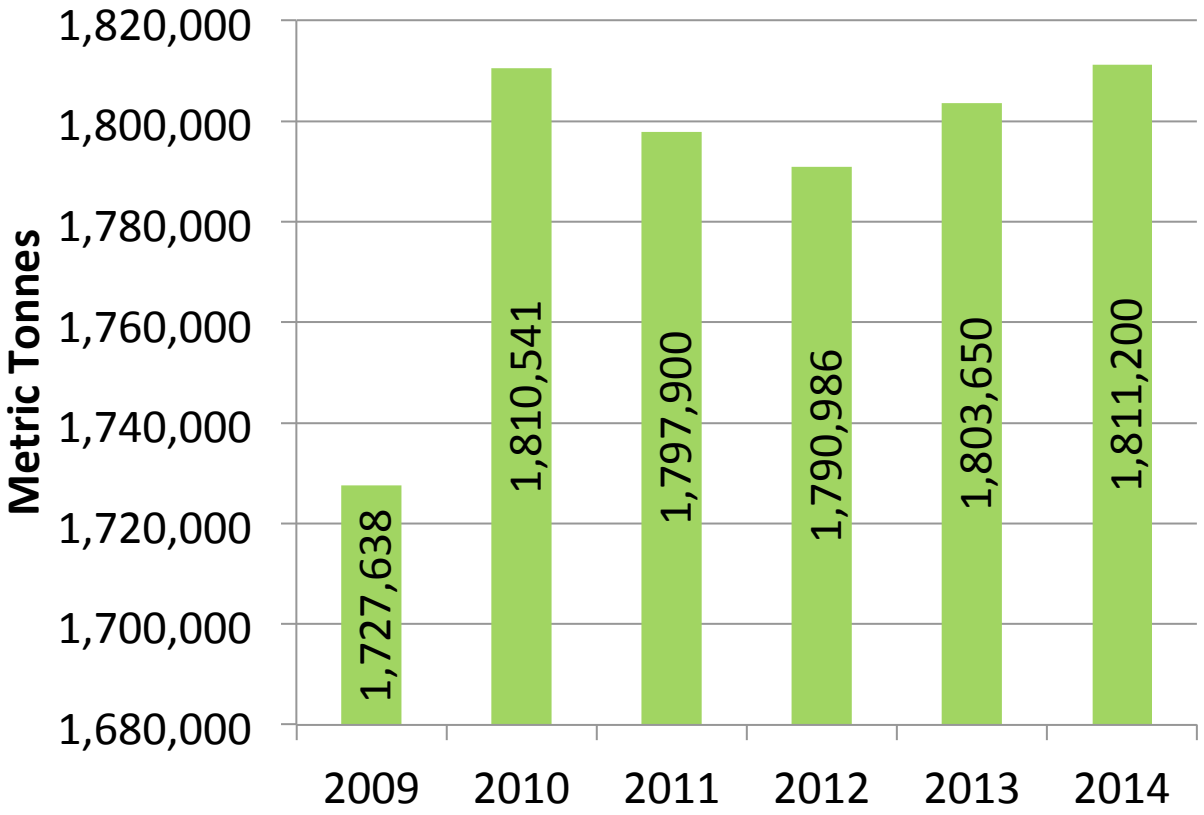


Sources: Production - Apostolos Tzoumas; import price- NMFS. Note: Prices 2002-2011 are annual averages, price in 2012 is January-August average.

MUSSELS

Mussel farm

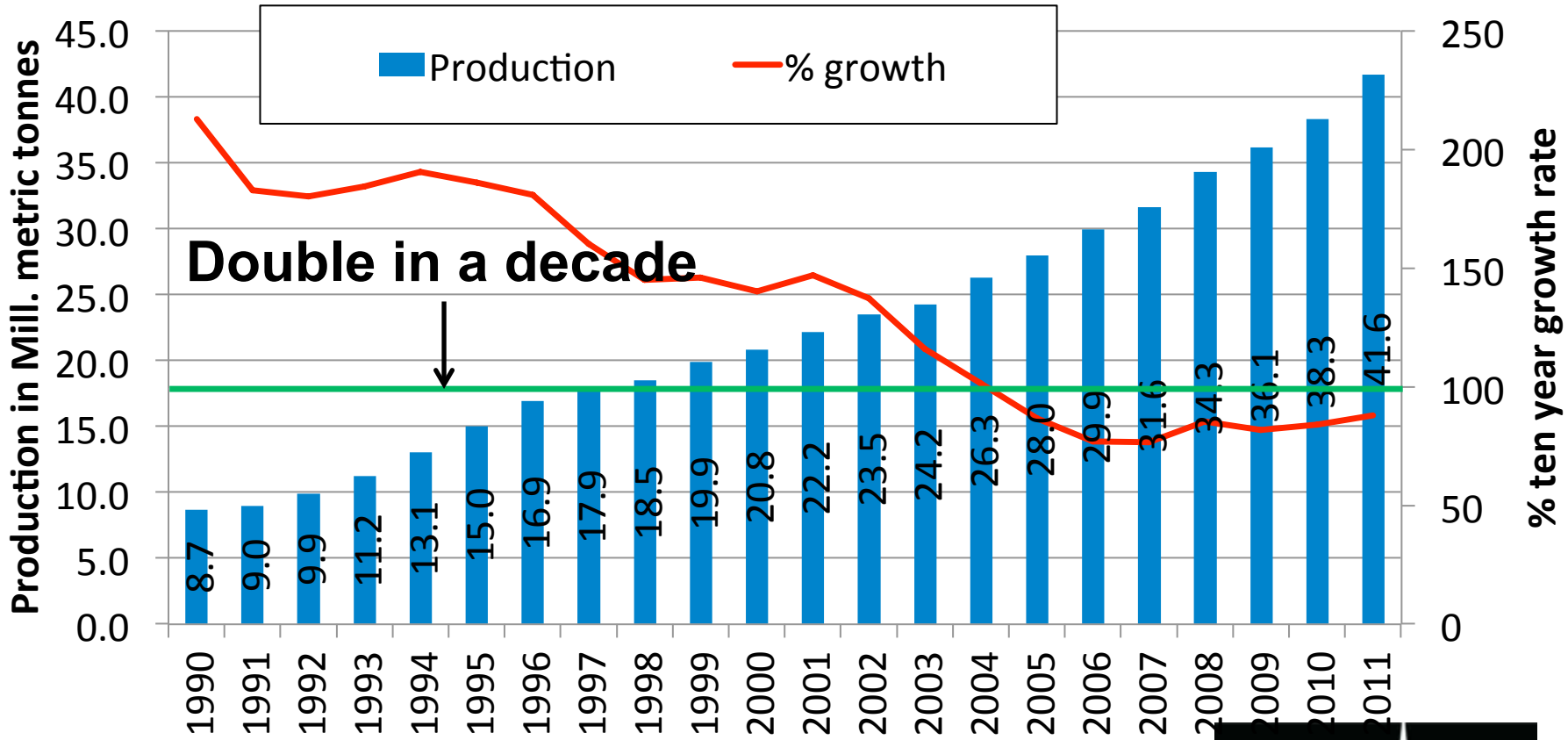
Total Mussel Production



Sources: Kontali and misc. sources

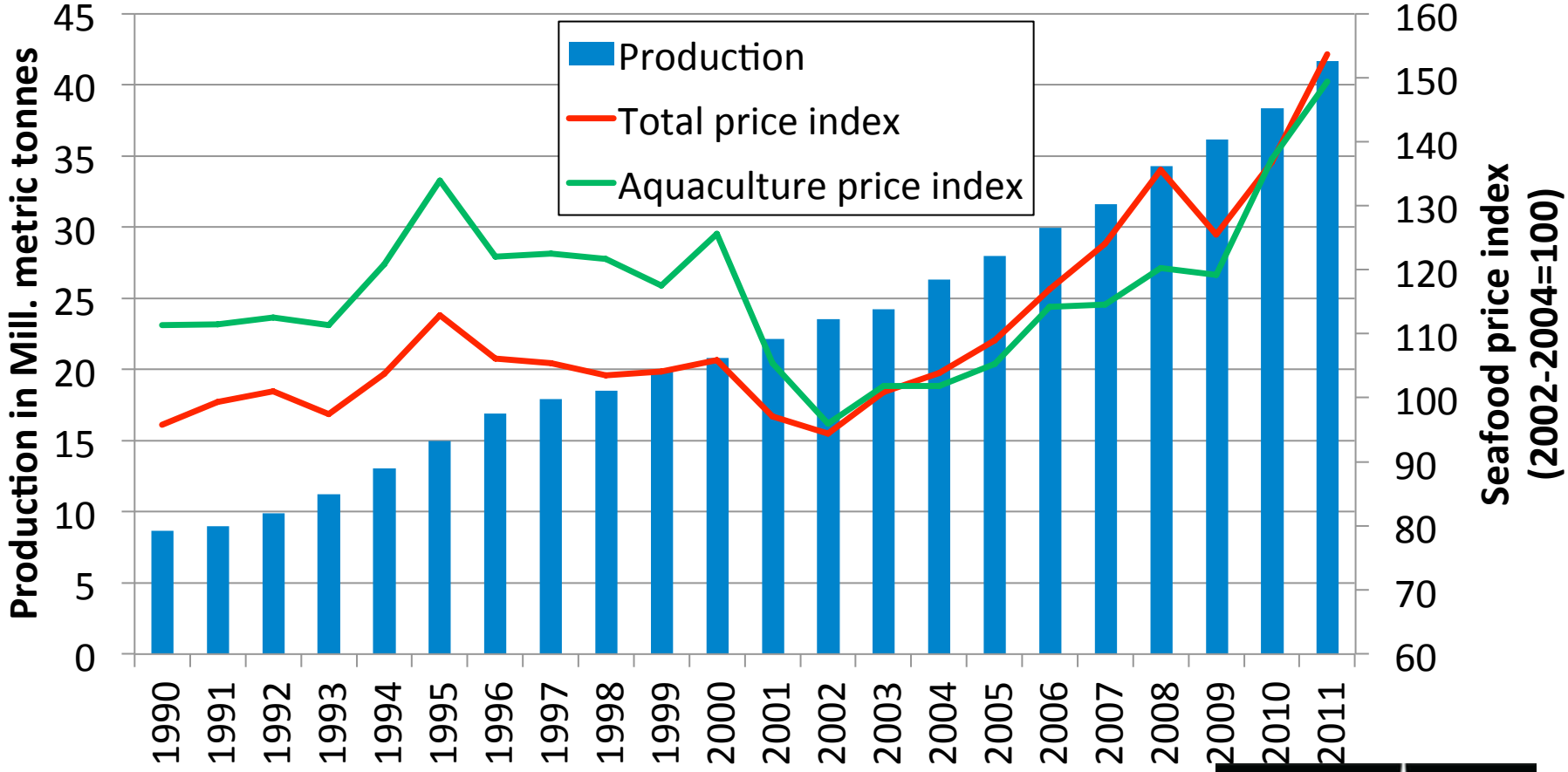
Summary
Finfish

Aquaculture Production of Fish Species and 10-year growth rate 1990-2011



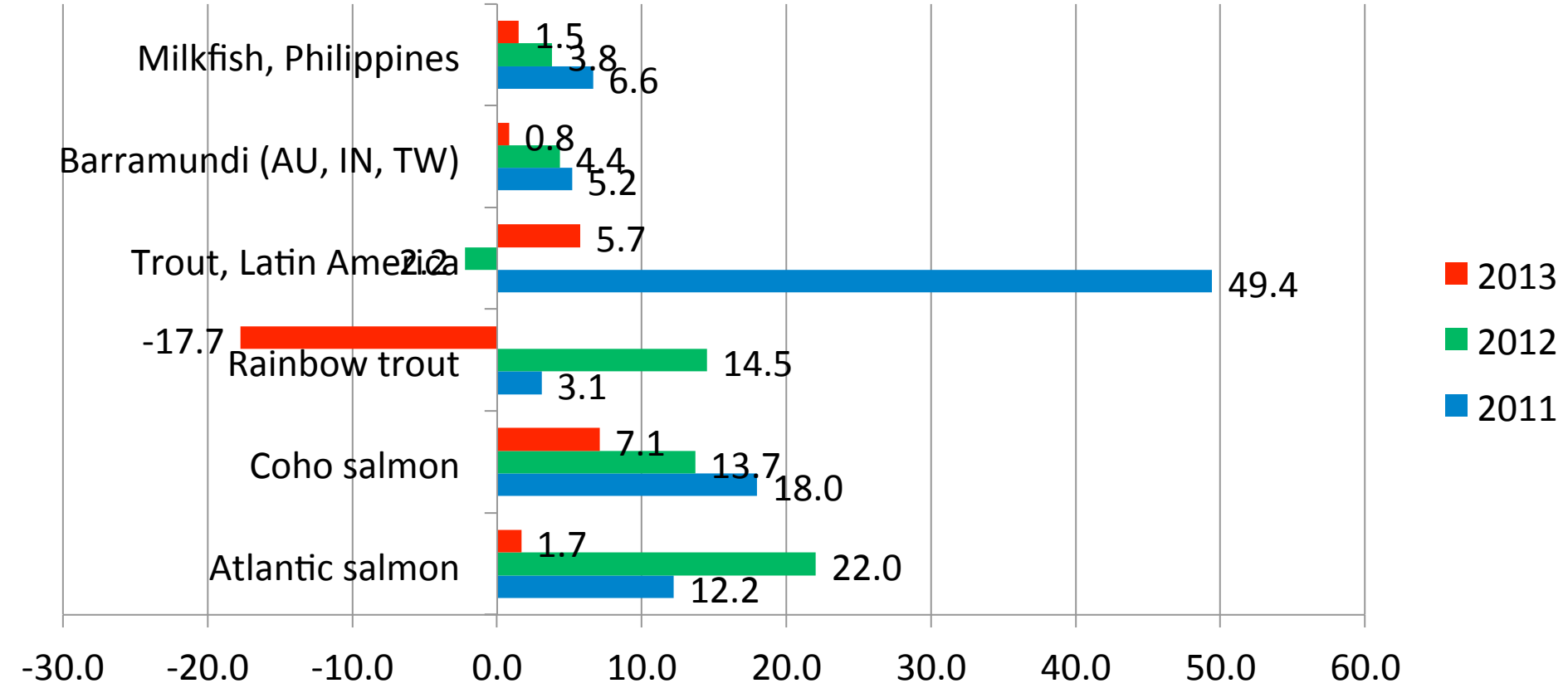
Source: FAO

Aquaculture Production of Fish Species and Seafood Price Indices 1990-2011

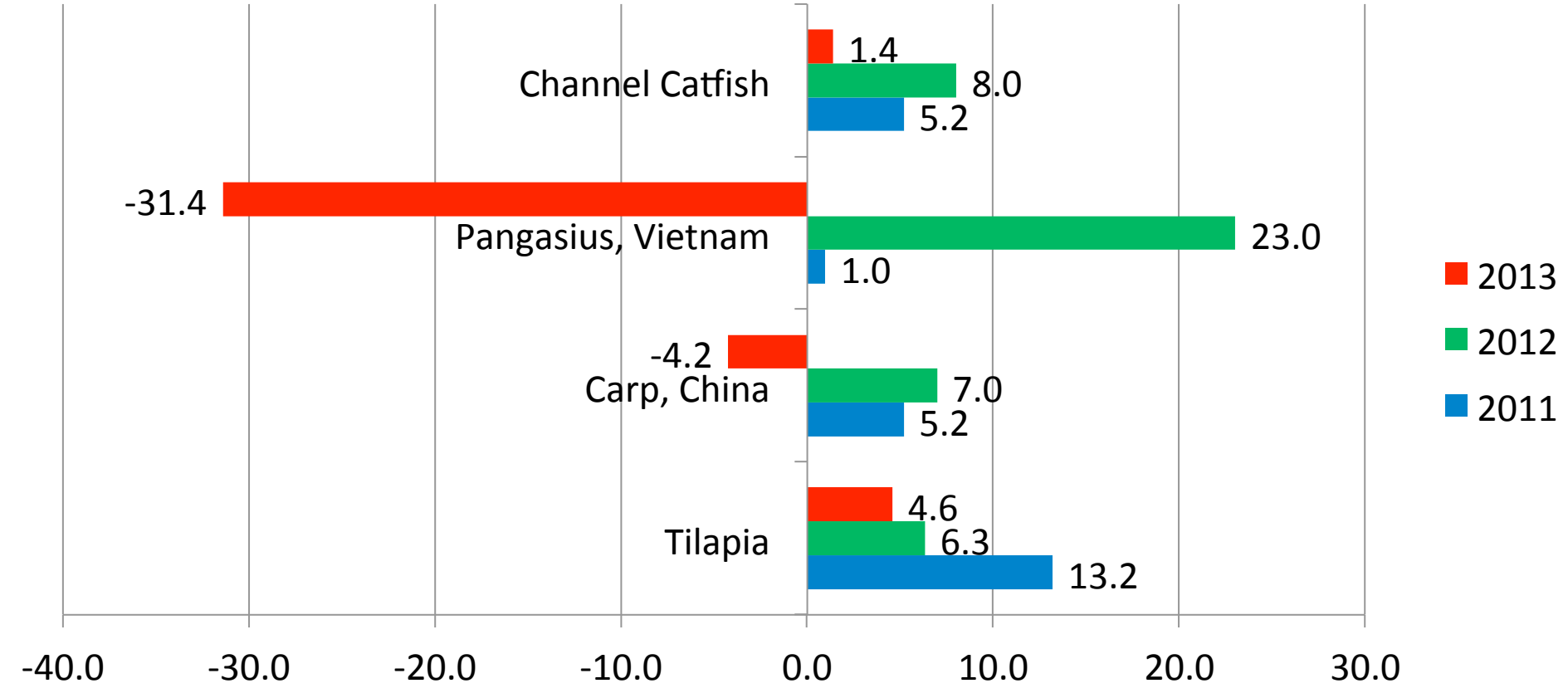


Source: FAO

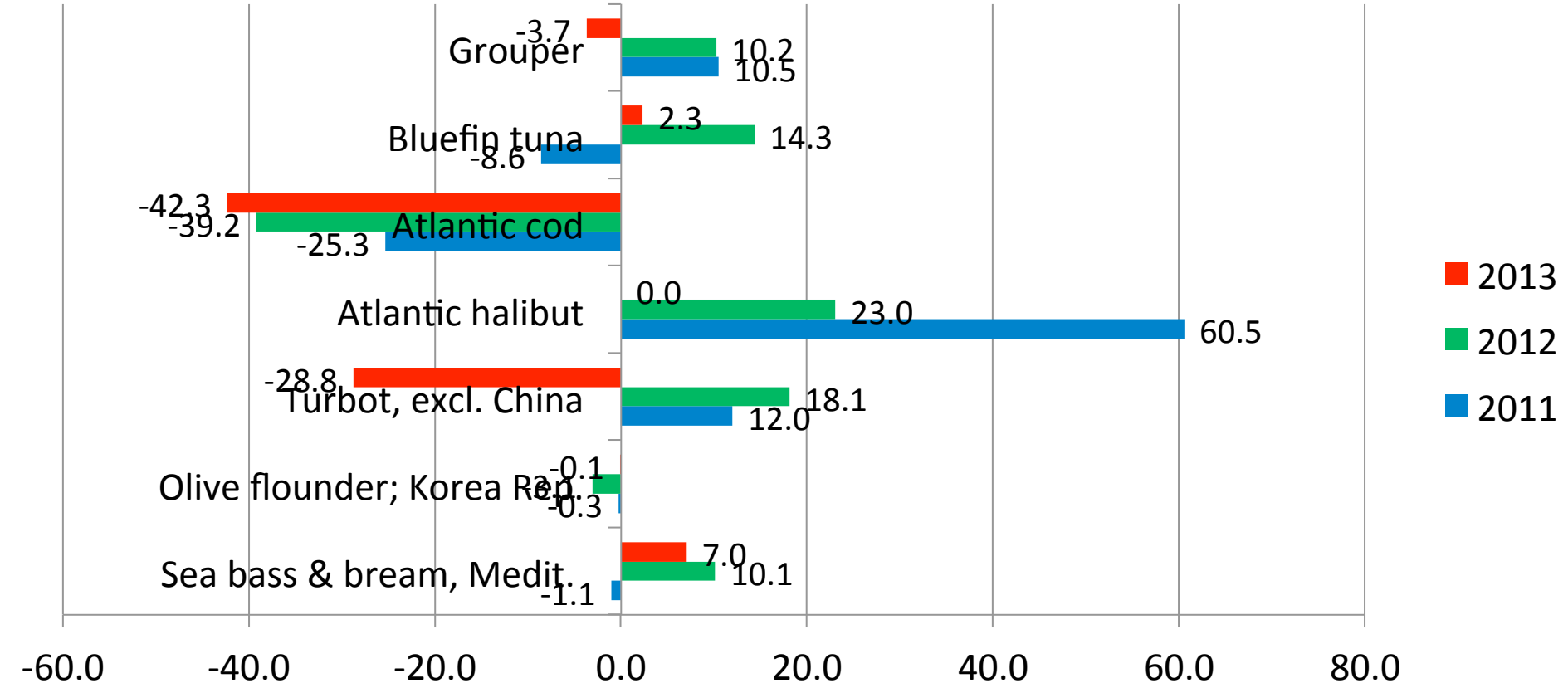
Diadromous Species
Annual Percent Growth Rates
2010-2013



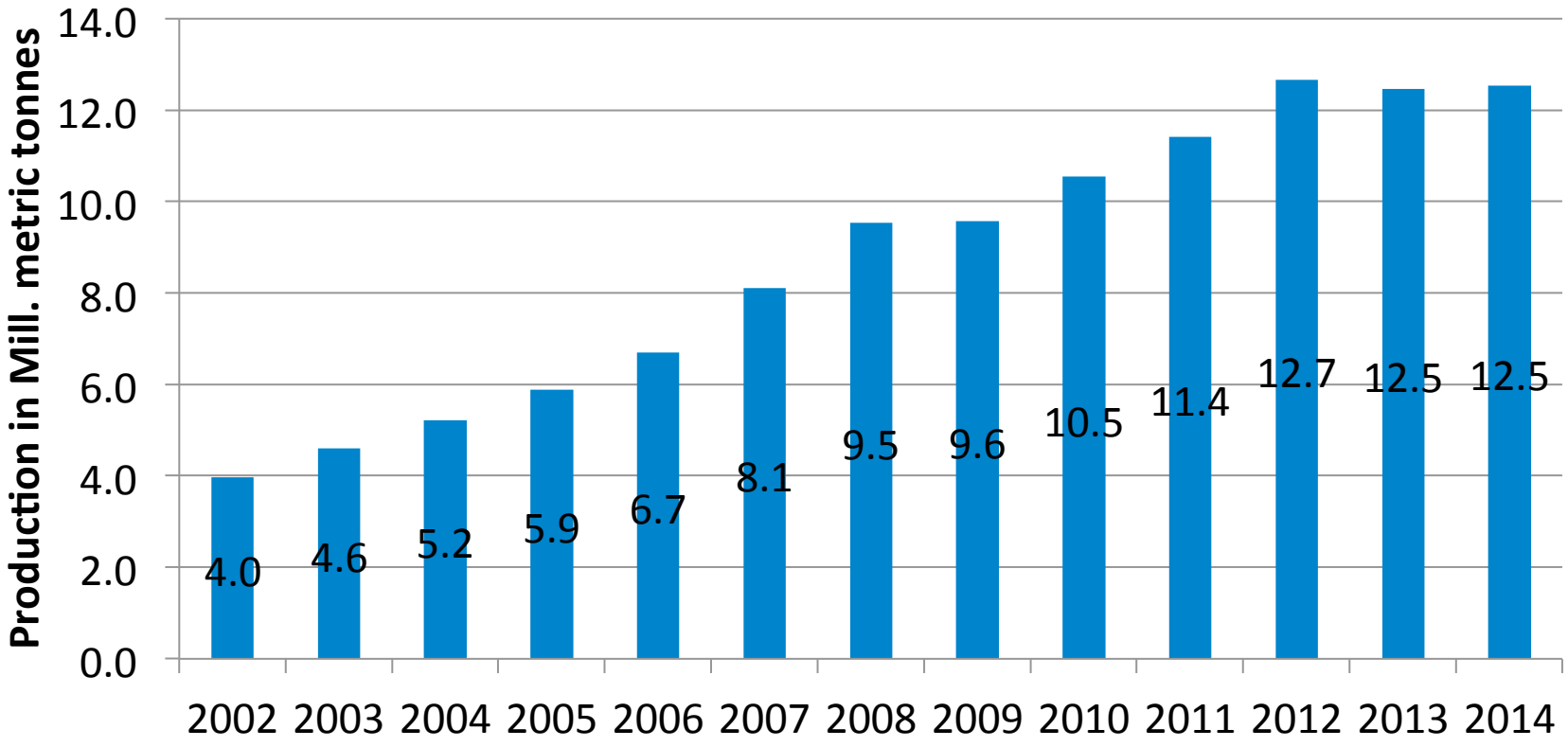
Freshwater Species
Annual Percent Growth Rates
2010-2013



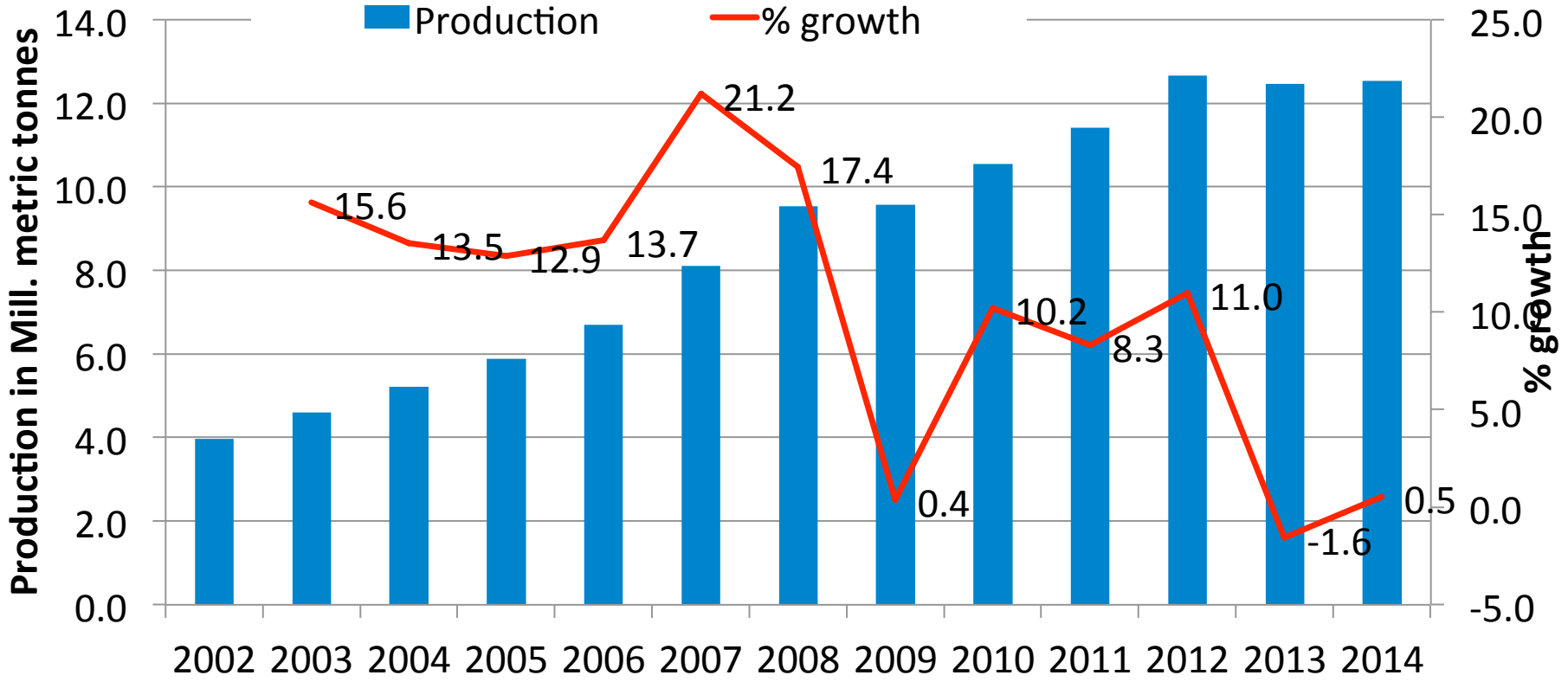
Marine Species
Annual Percent Growth Rates
2010-2013



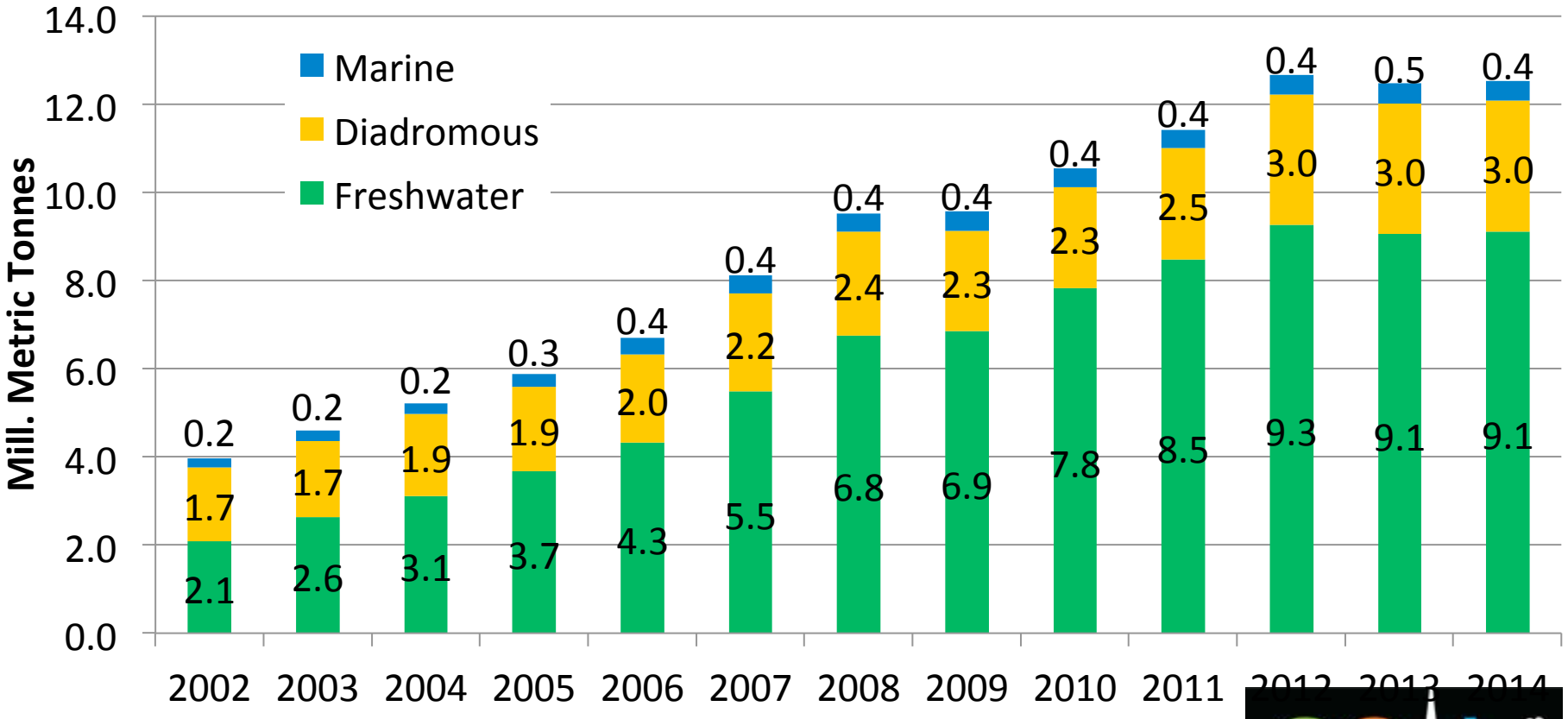
Production of Surveyed Species
Excl. Carp in China, 2002-2014



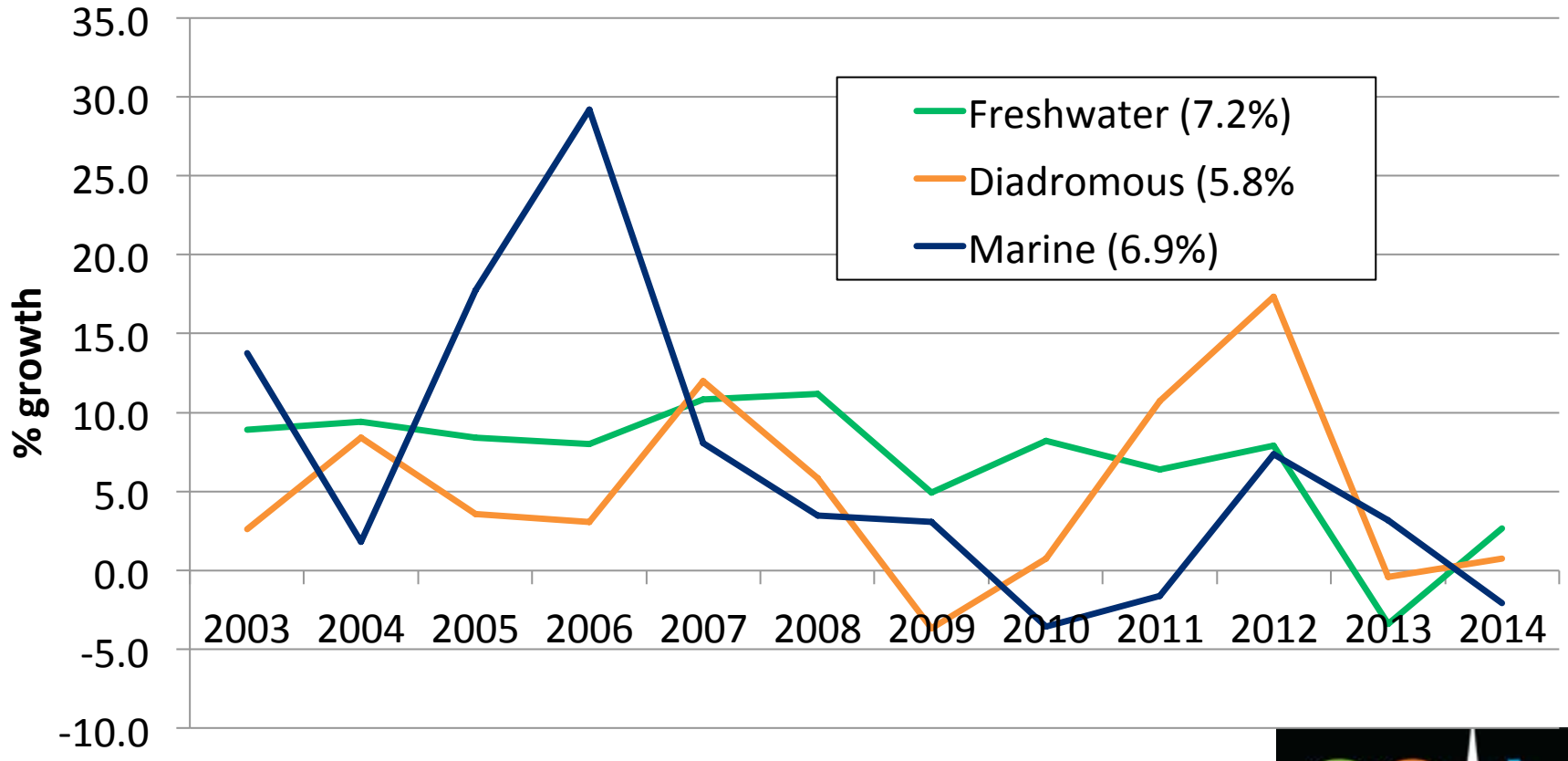
Production of Surveyed Species
Excl. Carp in China, 2002-2014



Production of Surveyed Species
Excl. Carp in China 2002-2014

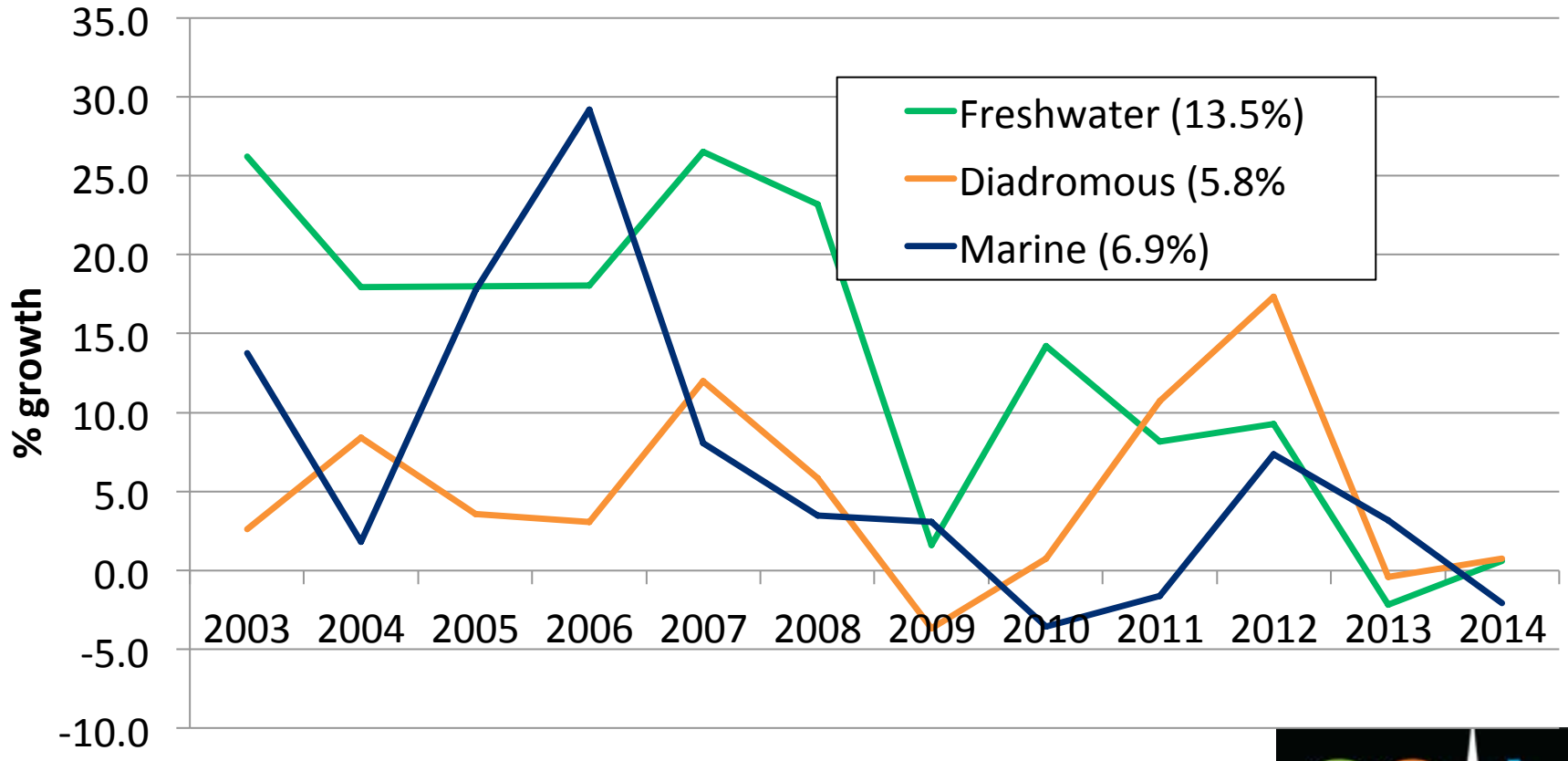


Growth Rates by Species Groups
(2003-2013 average growth rate in parenthesis)



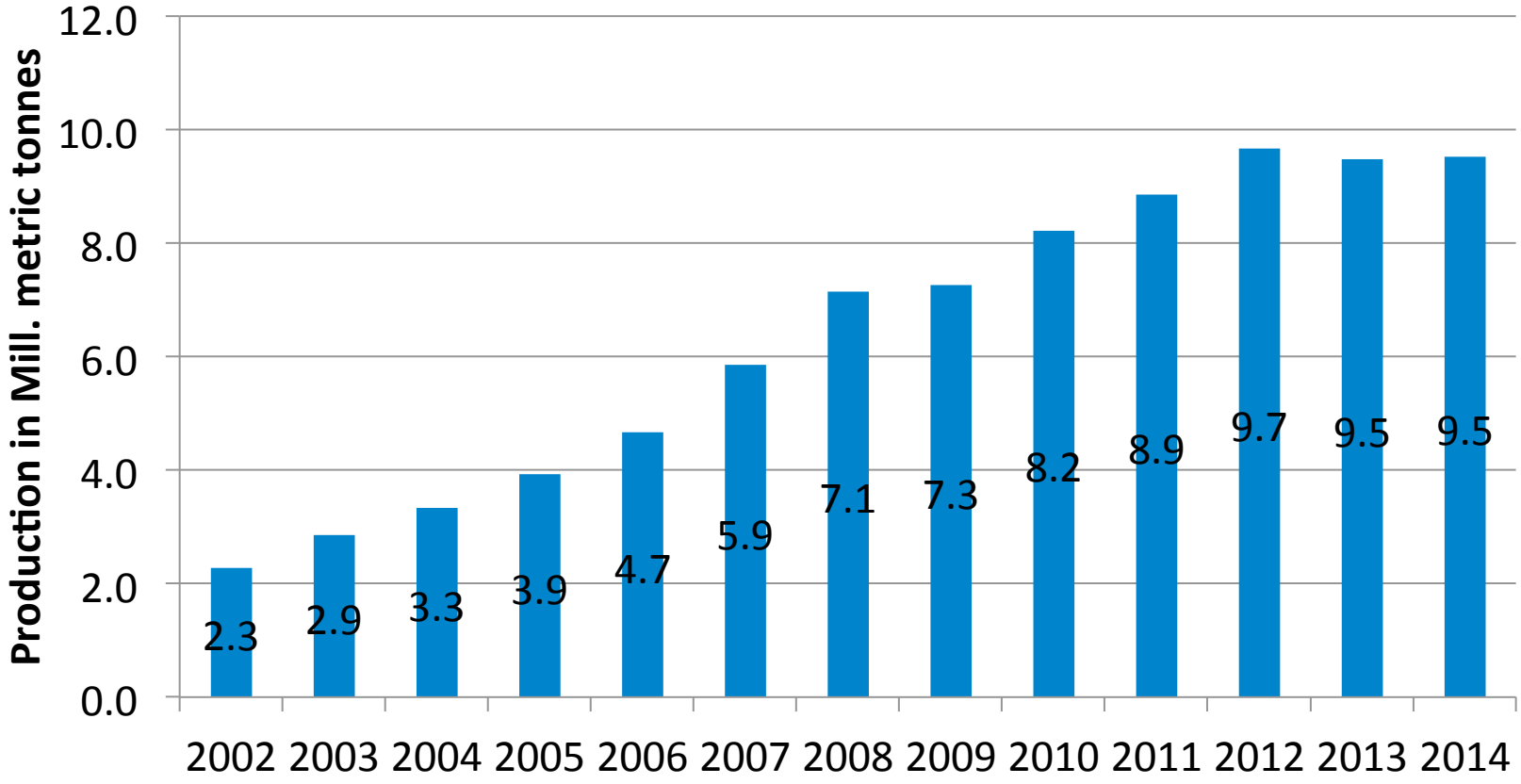
Growth Rates by Species Groups excl. Carp in China

(2003-2013 average growth rate in parenthesis)

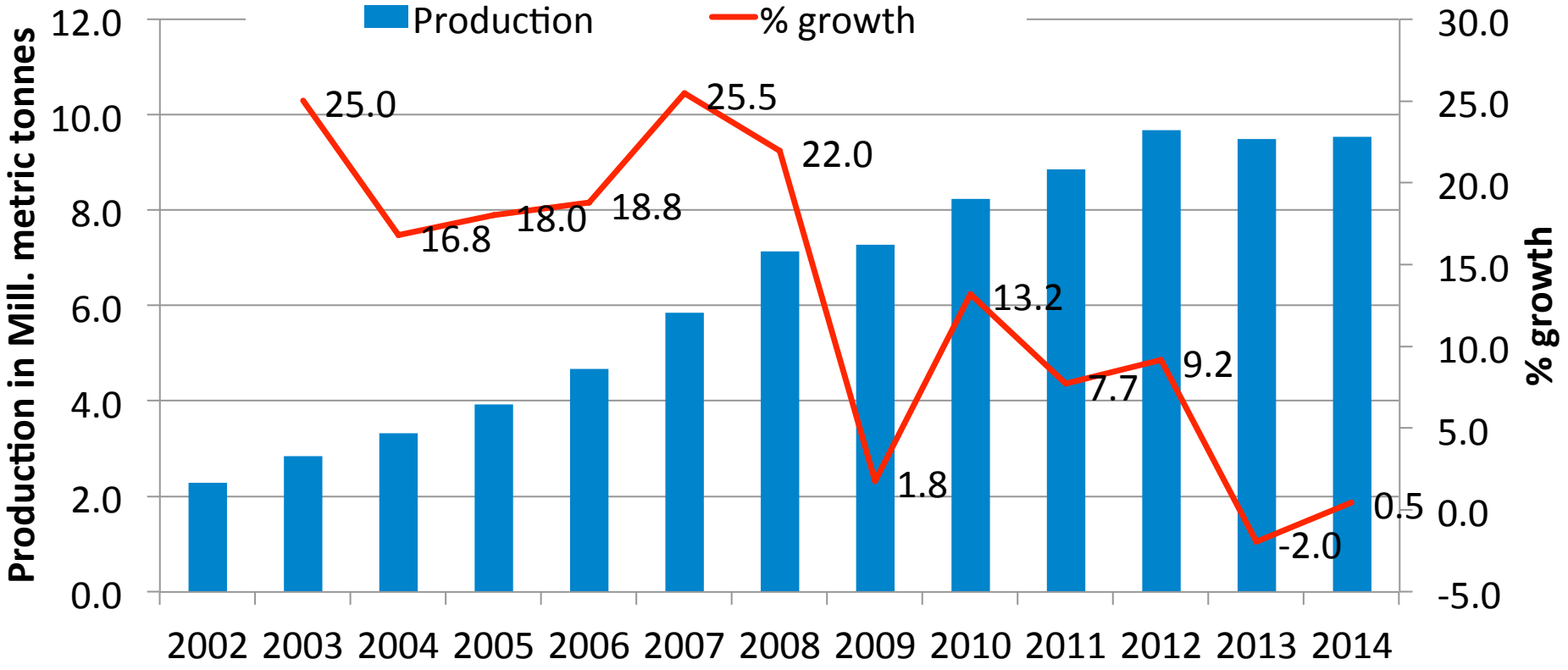


Production of Surveyed Whitefish Species

Excluding Carp in China, 2002-2014

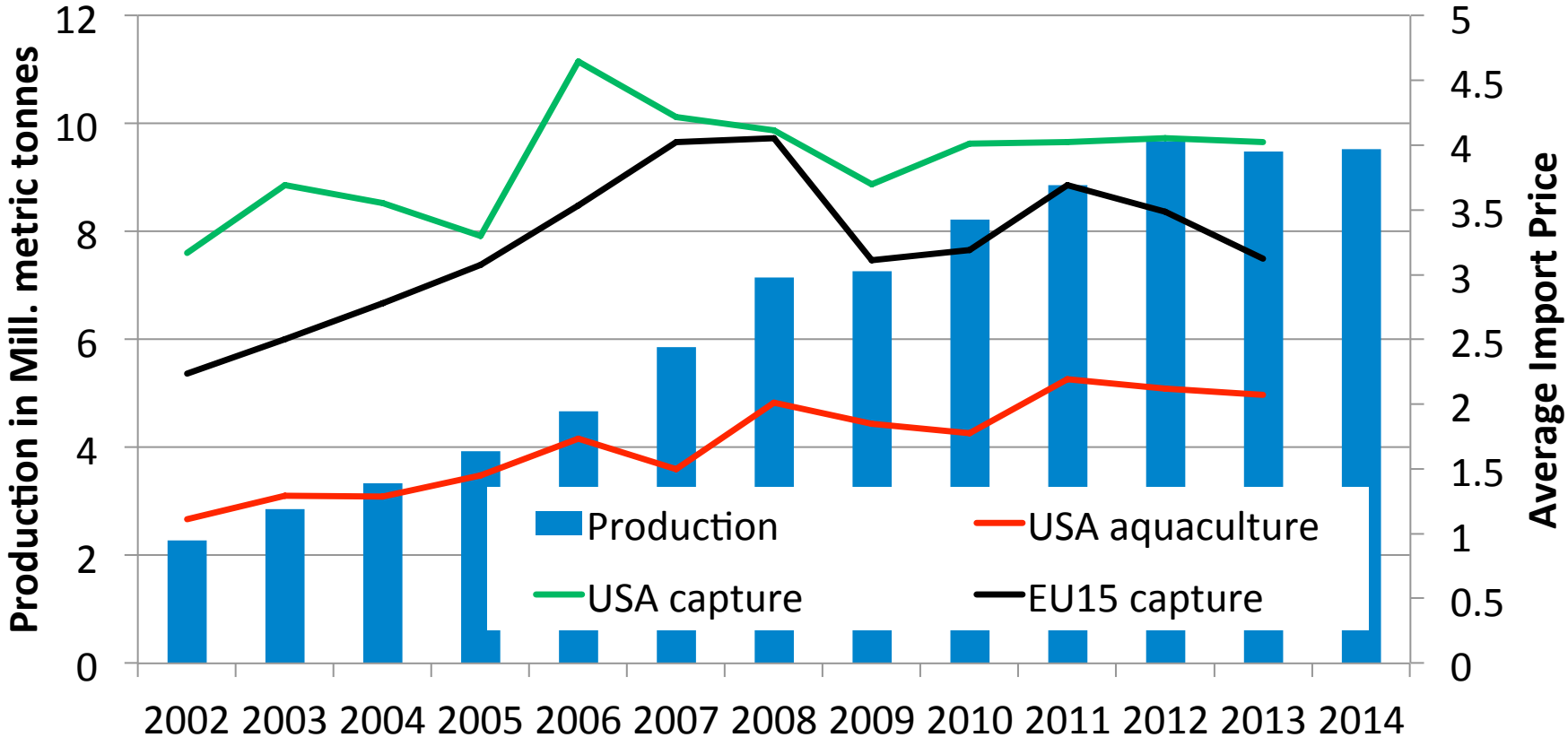


Production of Surveyed Whitefish Species
Excluding Carp in China, 2002-2014



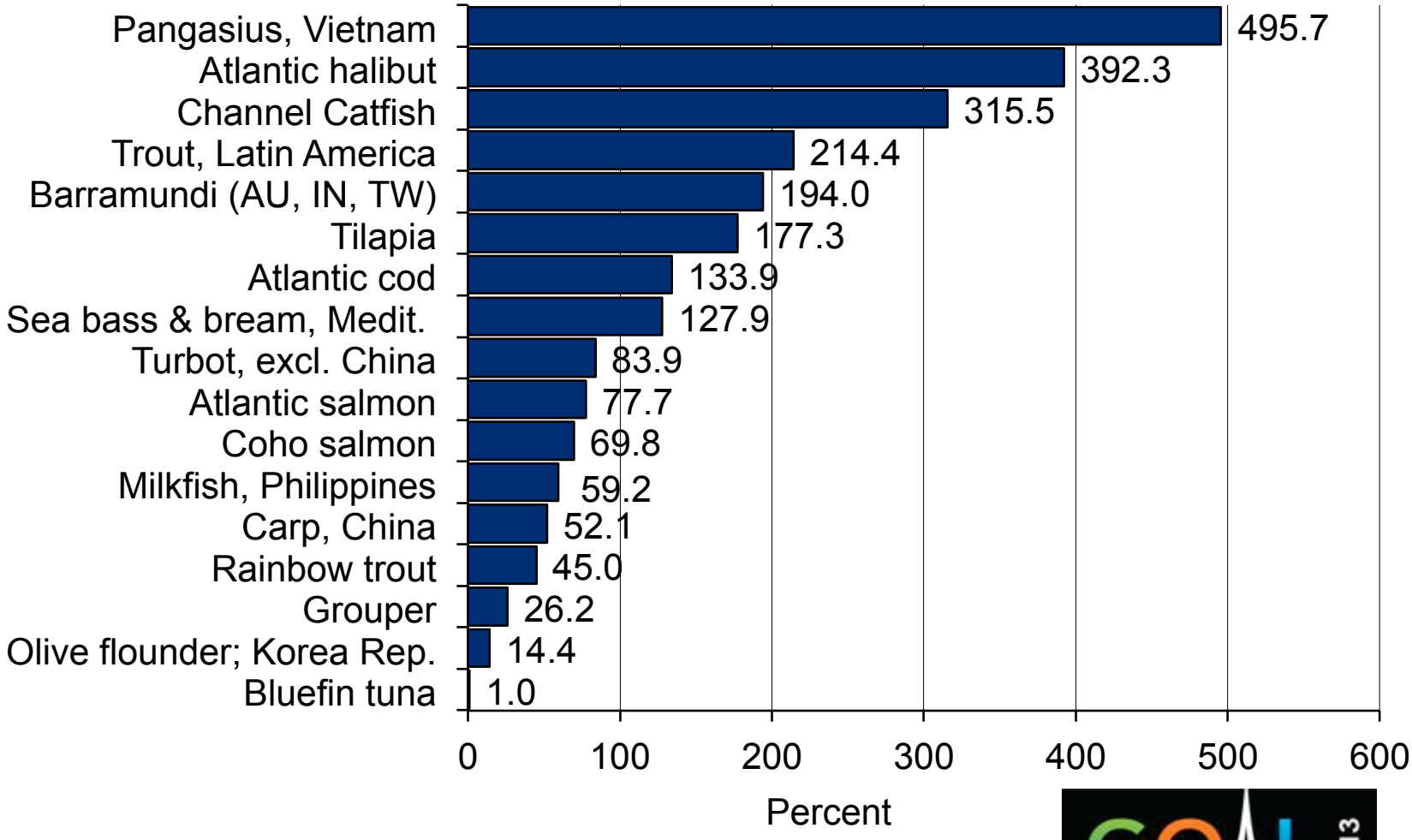
Production of Surveyed Whitefish Species and Average Import Prices Frozen whole

Excluding Carp in China, 2002-2014



Source prices: Norwegian Seafood Council

Did they double in a decade?
Percentage growth 2003-2013



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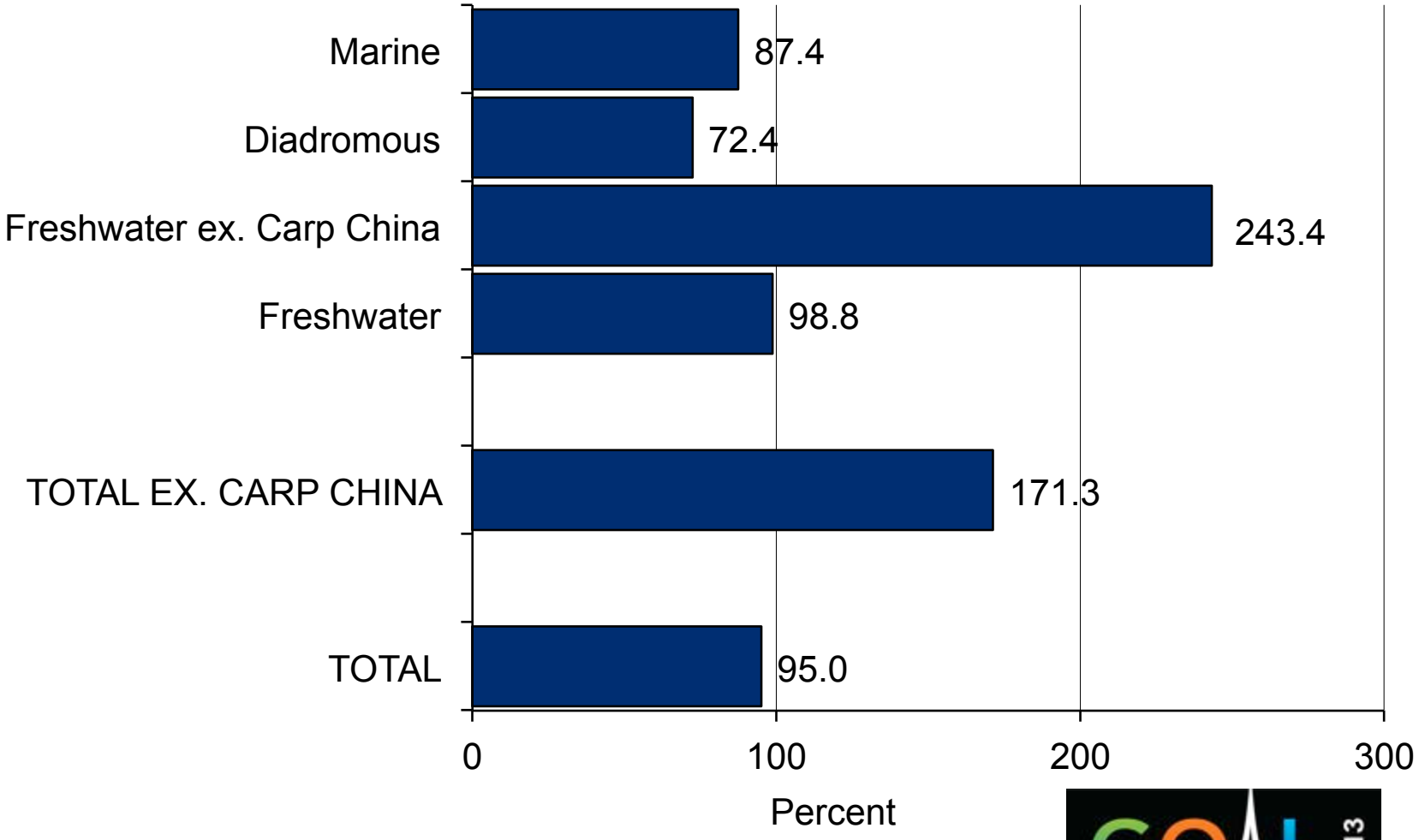

Thank You!