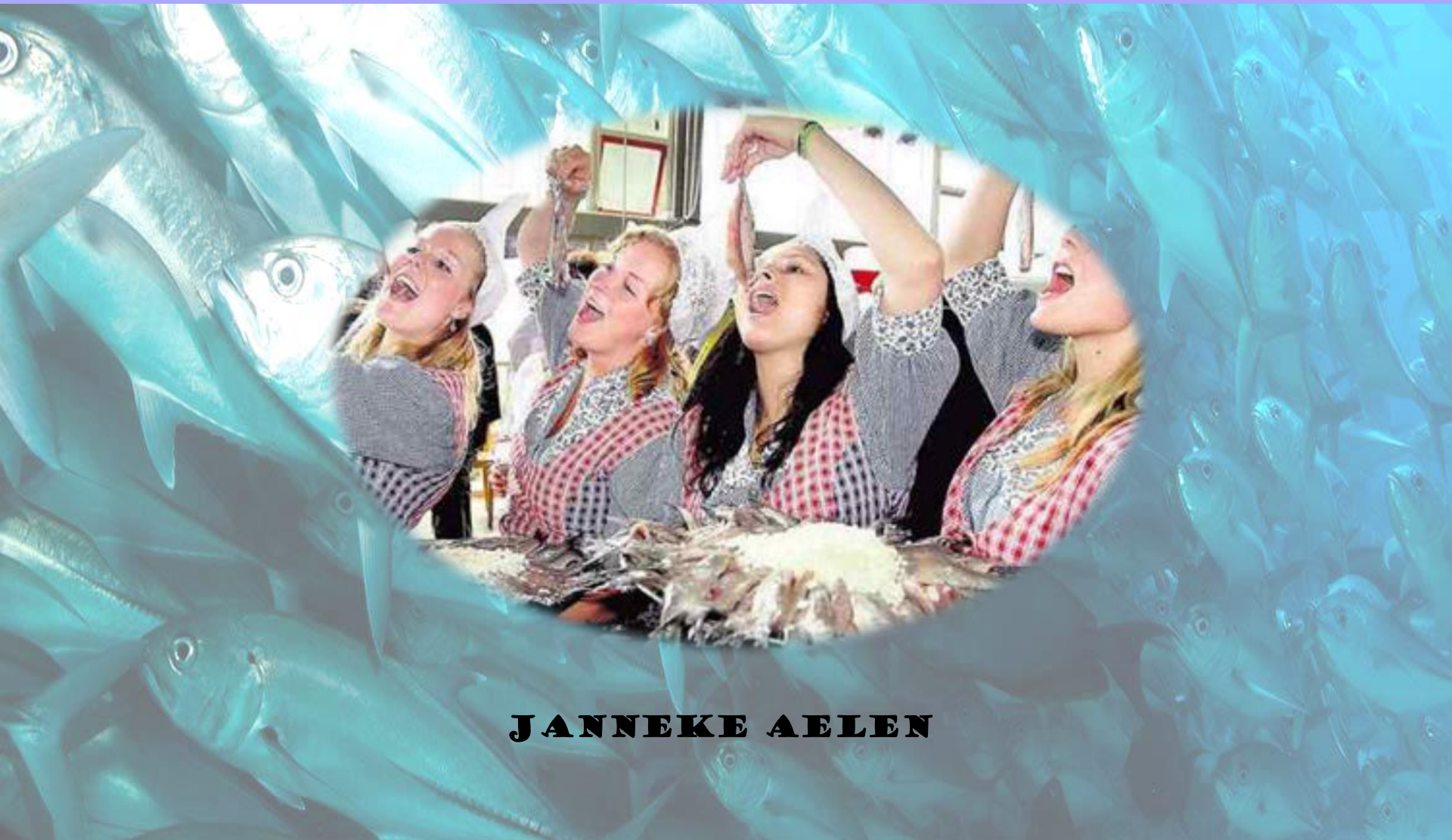


DUTCH AQUACULTURE



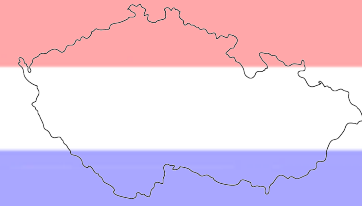
JANNEKE AELEN

THE NETHERLANDS





NETHERLANDS VS CZECH R.



	The Netherlands	Czech Republic
Land area (sq km)	41,543	78,865
Population (number of people)	16.3 million	10.2 million
Total GDP (US dollars)	364 billion	198 billion
Agriculture (% of GDP)	1.65	2.39
Seafood consumption (kg/capita/year)	5	10
Aquaculture production (tonnes)	68,175	20,500
Seafood import (tonnes)	776,000	10,000
Seafood export (tonnes)	958,000	30,000

FISH CONSUMPTION

1

- PANGASIUS (diepvries)
Frozen pangasius



2

- TONIJN (blik)
Canned tuna



3

- VISSTICKS
Fish fingers



4

- ZALM (gerookt)
Smoked salmon



5

- ZALM (diepvries)
Frozen salmon



6

- KOOLVIS (diepvries)
Frozen saithe



7

- HARING (glas)
Jarred herring



8

- ZALM (vers)
Fresh salmon



9

- HARING (gezouten)
Herring



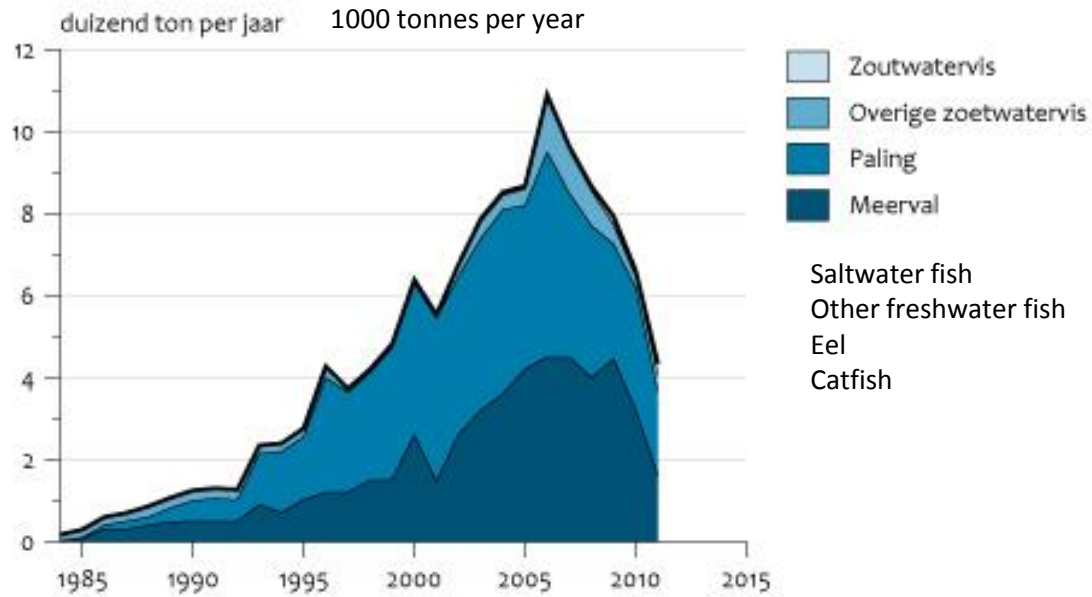
10

- GARNALEN (diepvries)
Frozen shrimp



AQUACULTURE PRODUCTION

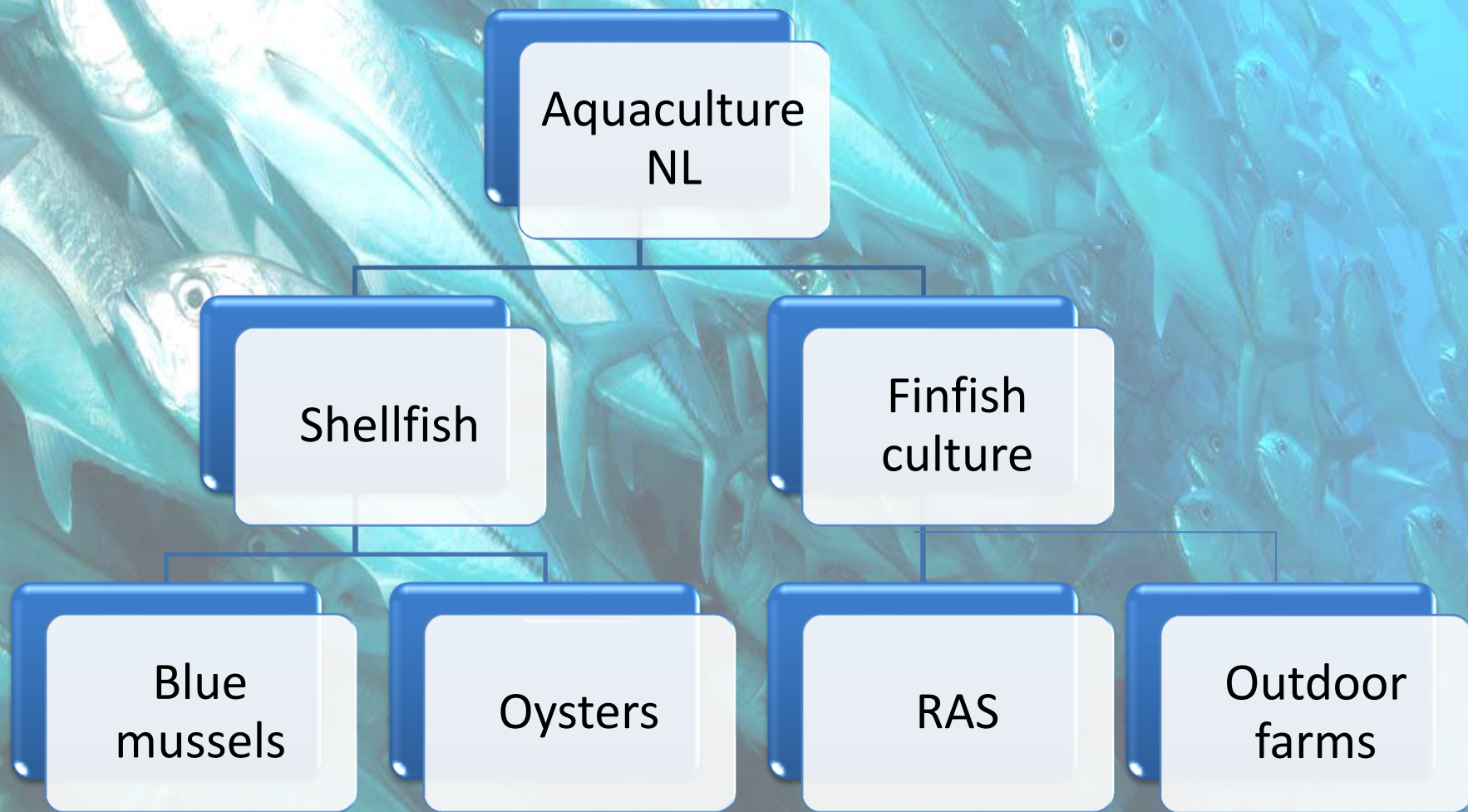
Productie kweekvis Farmed fish production



Bron: Eurostat.

CBS/me13
www.clo.nl/nl153802

AQUACULTURE



MAIN SPECIES

Shellfish

1. Blue mussel



2. Oyster



Finfish culture

1. European eel



2. African catfish



3. Tilapia



4. Sole



5. Barramundi



6. Pike perch



7. White-leg shrimp



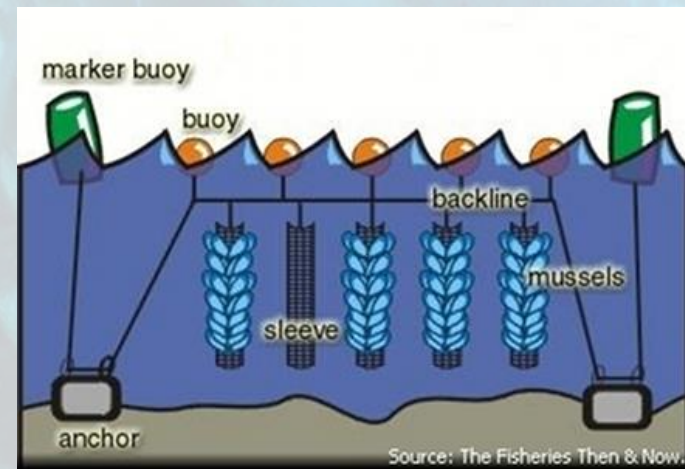
SHELLFISH SYSTEMS

Bottom culture

- All oysters
- Almost all mussels
- Dependent on natural spat
- Feeding on available plankton
- Substrate provided for oysters
- Annual quotas + restrictions

Rope culture

- Small amount of mussel culture
- Seeds in socks attached to ropes

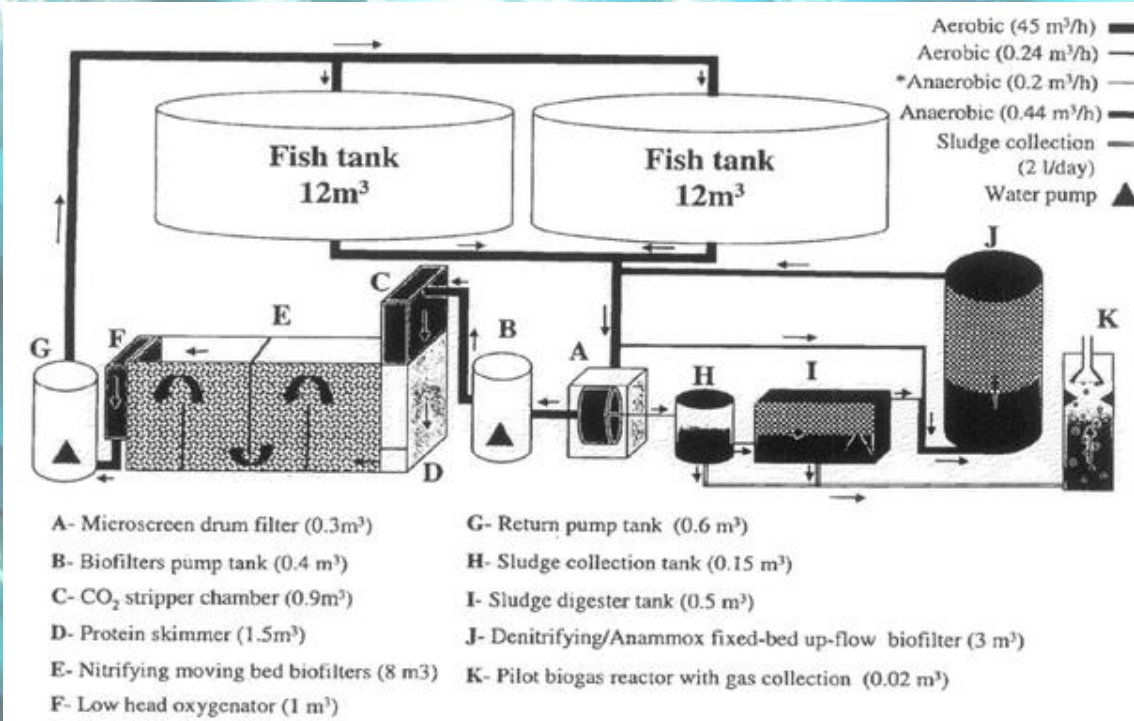


FINFISH SYSTEMS

RAS

Trout ponds

Picture: www.nlwandel.nl



Picture: <http://patentimages.storage.googleapis.com/>



Shrimp greenhouses

Picture: www.shrimpnews.com



FUTURE PERSPECTIVES

- Minor role Dutch economy
- Dutch products expensive in international market
- Environmental issues
- Lack of seed
- Possible alternative for struggling fishermen
- Dutch research institutes
- Off-shore and in-land production
- Potential species

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