

Recent Developments in Fish and Seafood production and utilization

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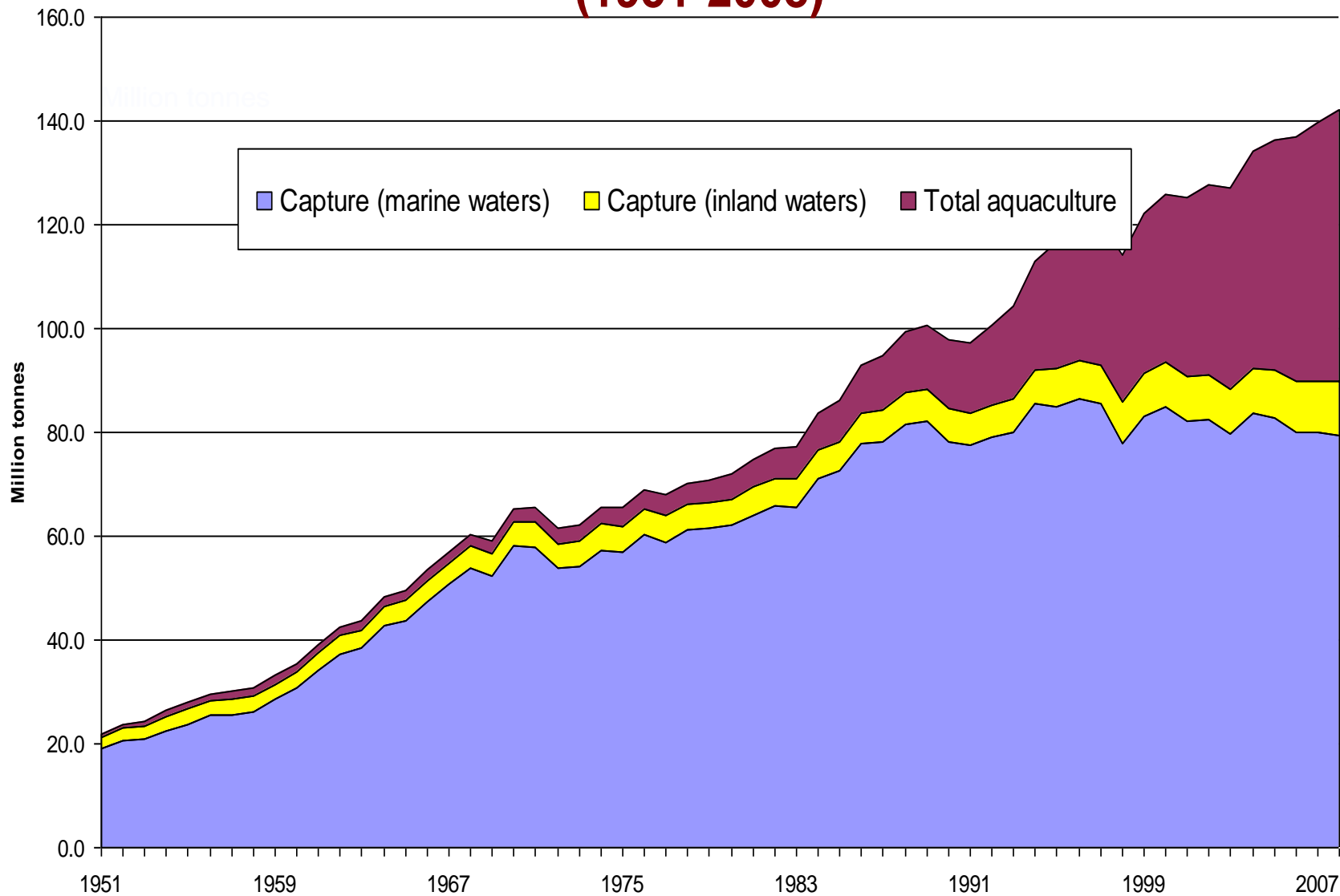
16a Reunion de la Red Panamericana de Inspeccion, Control de calidad y Tecnologia de Productos Pesqueros

20 - 24 Septiembre 2010

Santos - Brasil

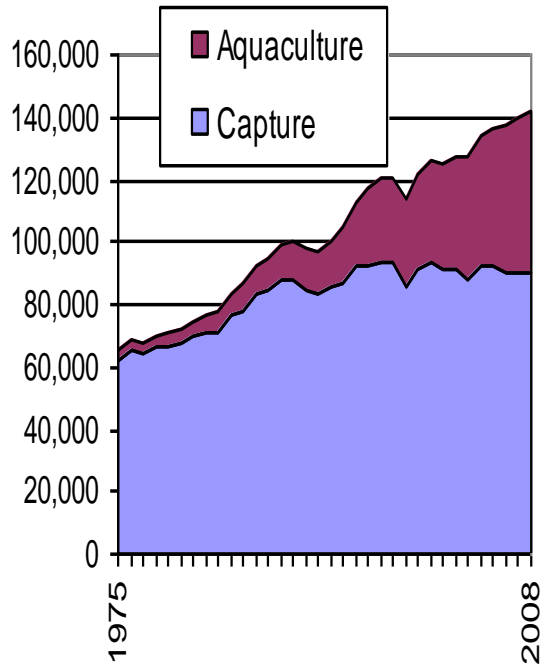


Fisheries and aquaculture production (1951-2008)

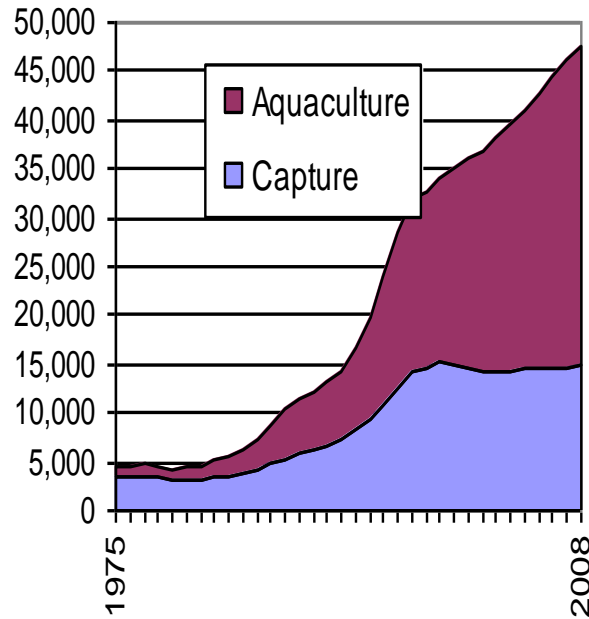


World Fish Production (1000 T)

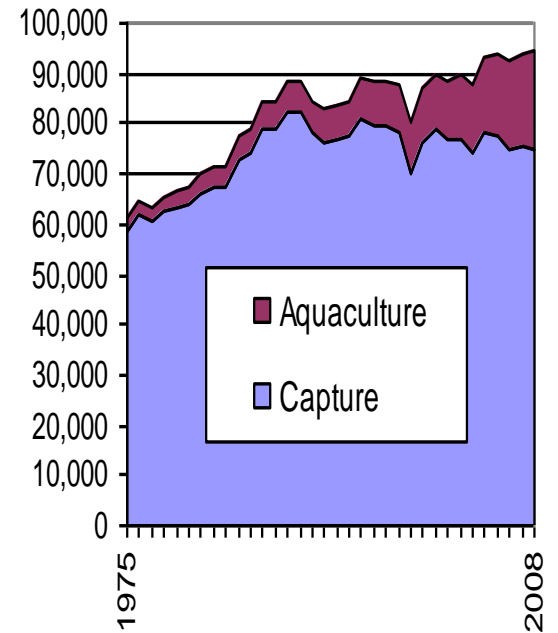
World



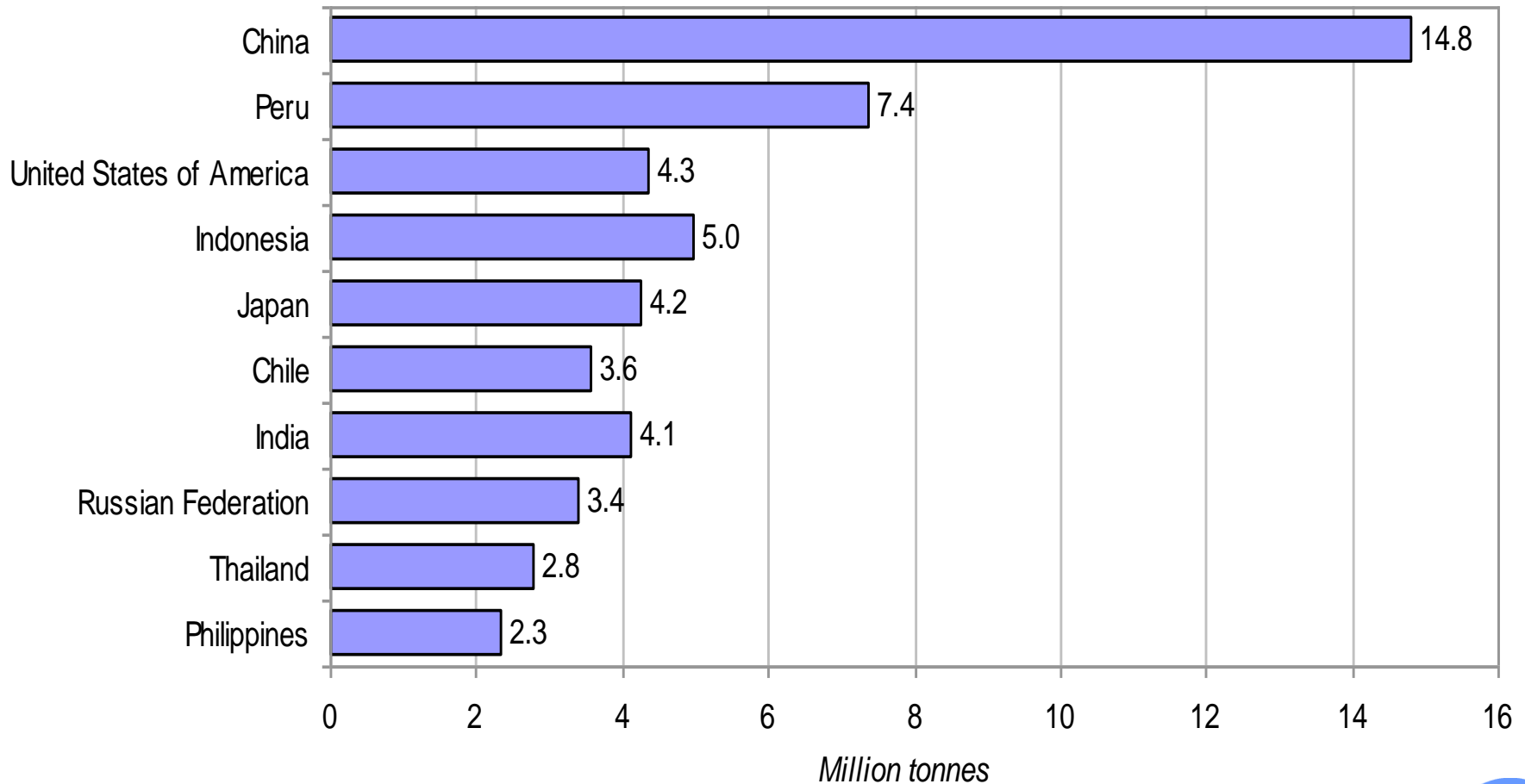
China



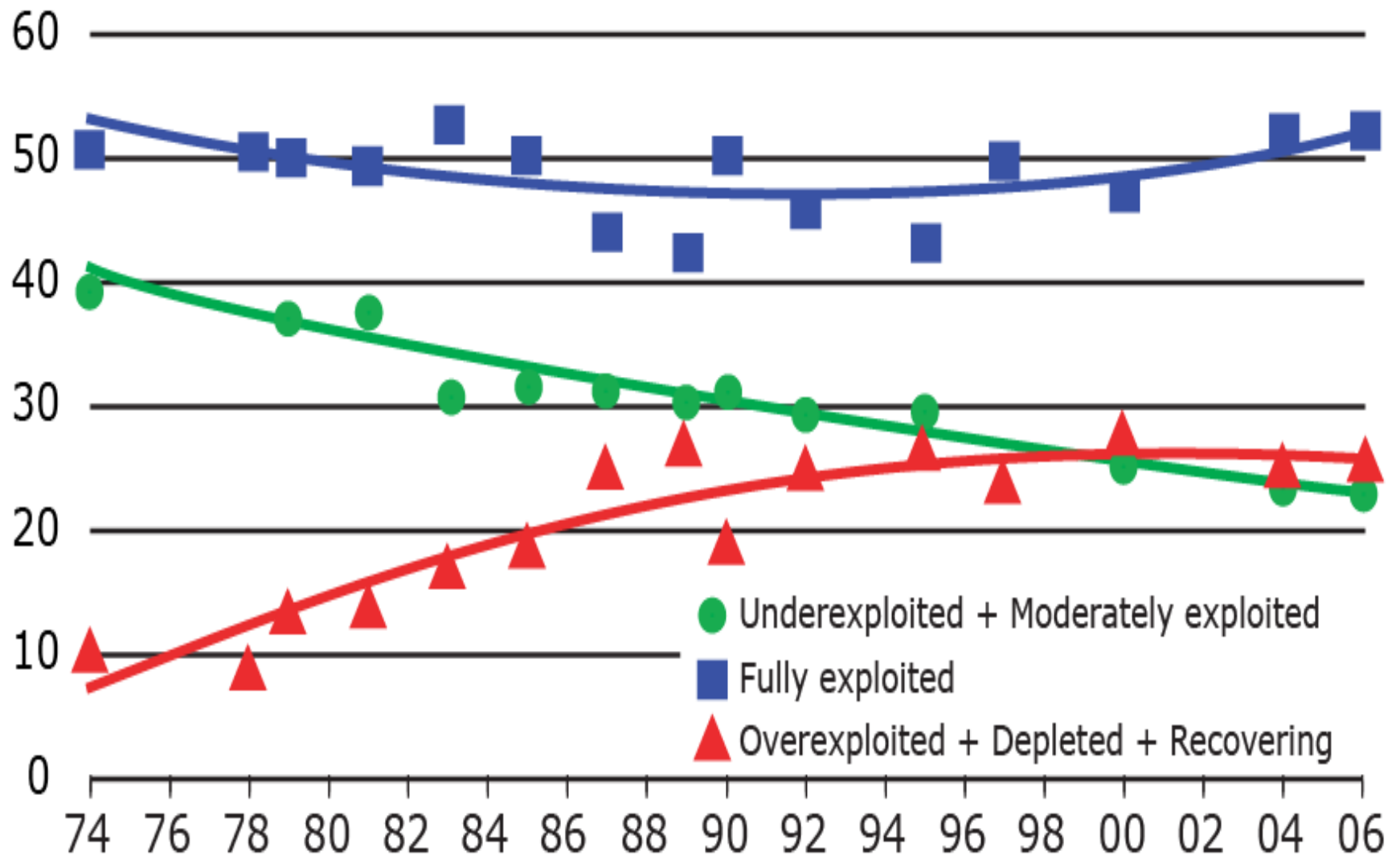
World minus China



Marine and inland capture fisheries: top ten producer countries (2008)

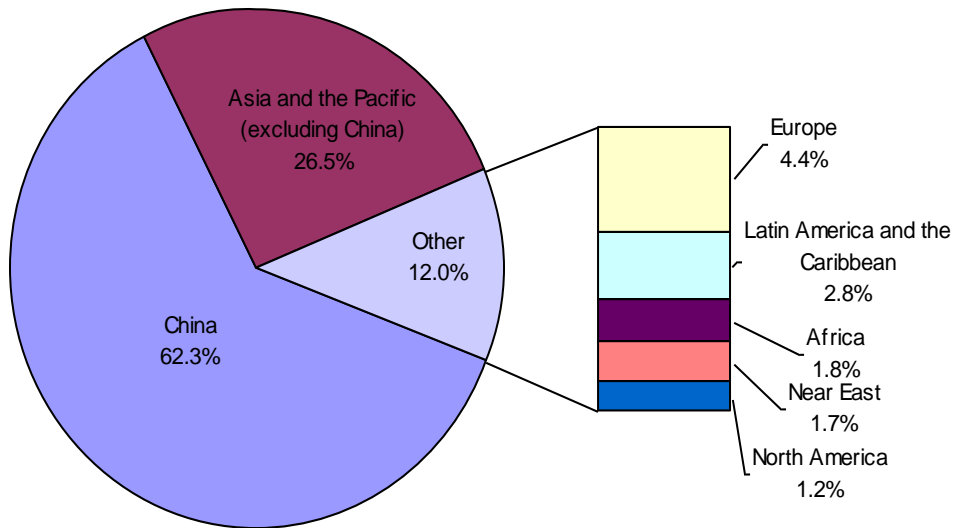


Percentage of stocks assessed

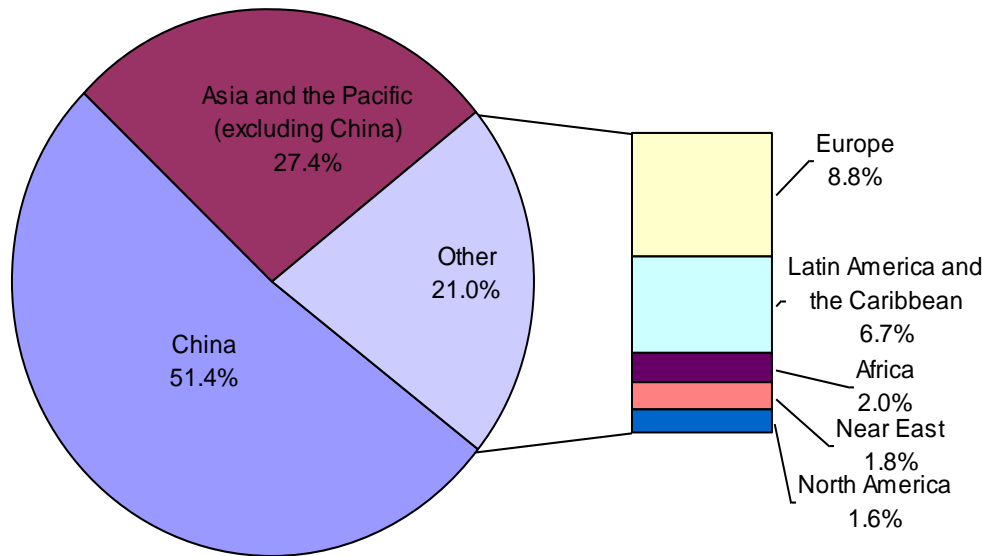


Aquaculture production by regional groupings in 2008

Quantity



Value



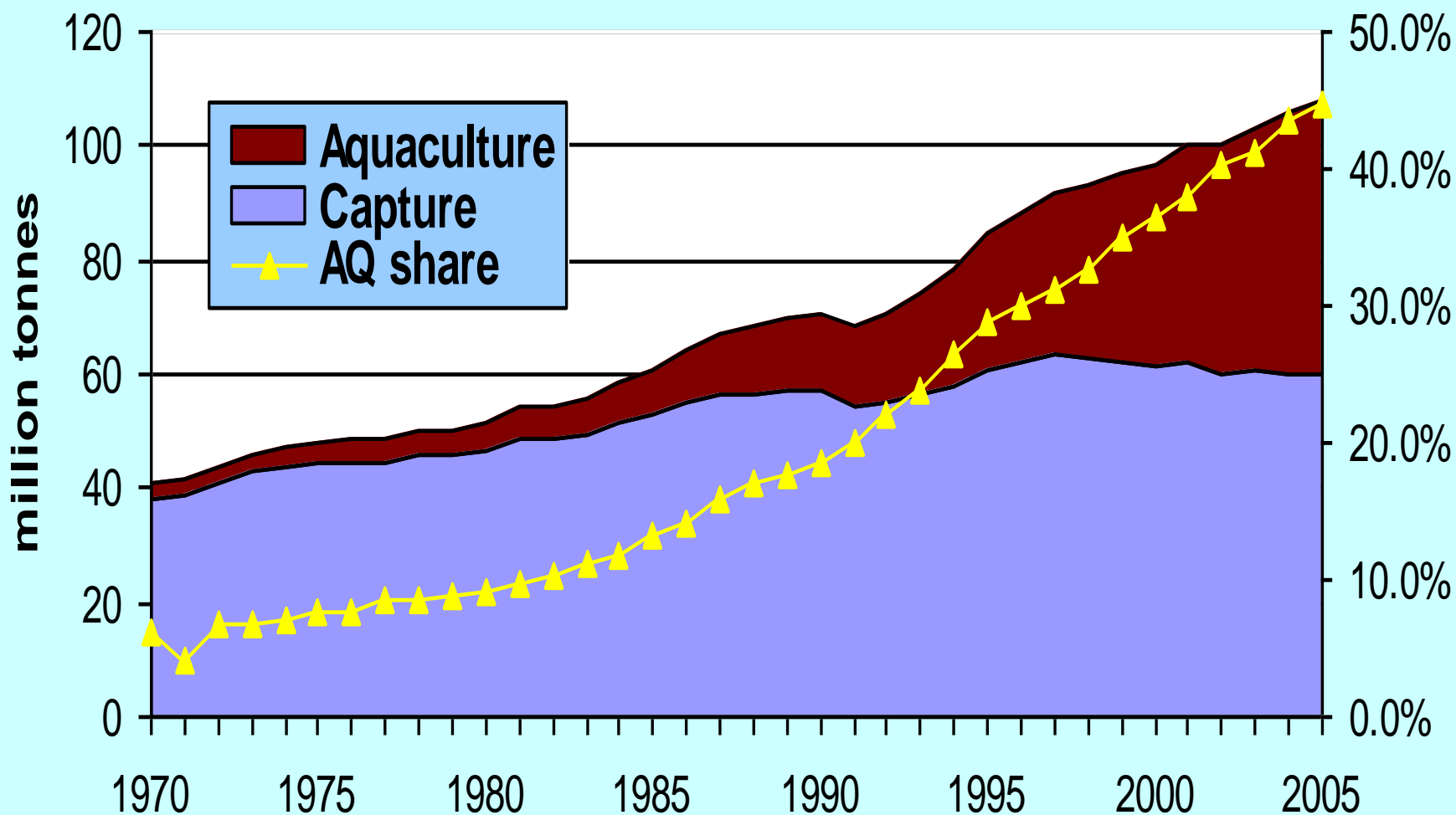
Top 15 Aquaculture Producing Nations (2008)

| Production | |
|---------------|------------|
| 2006 (1000 t) | |
| China | 32,736 |
| India | 3,479 |
| Viet Nam | 2,462 |
| Thailand | 1,374 |
| Indonesia | 1,690 |
| Bangladesh | 1,006 |
| Chile | 843 |
| Japan | 732 |
| Norway | 844 |
| Philippines | 741 |
| Egypt | 694 |
| Myanmar | 675 |
| USA | 500 |
| Rep of Korea | 474 |
| Taiwan PC | 324 |

Main aquaculture species in international trade (2008)

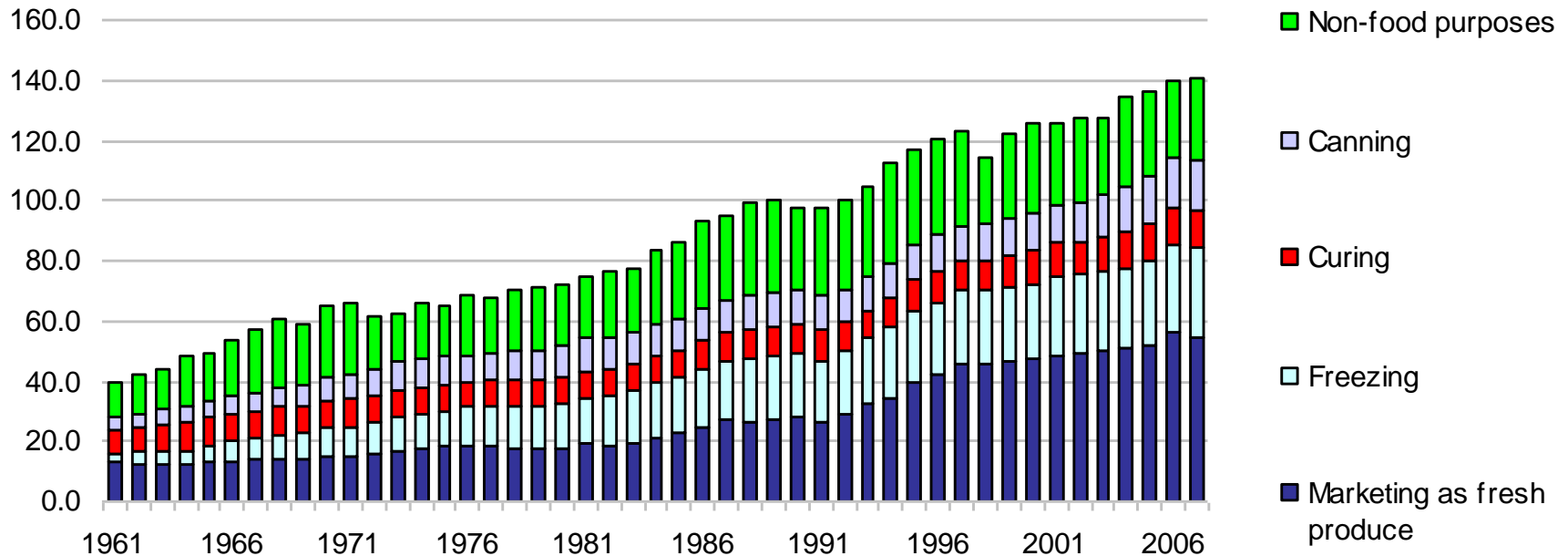
| Production | |
|---------------------------|-------|
| 2008 (1000 t) | |
| Shrimp | 3,450 |
| Tilapia | 2,500 |
| Salmon | 1,540 |
| Pangasius | 1,375 |
| Channel catfish | 350 |
| Trout | 320 |
| Seabream | 160 |
| Seabass | 150 |
| Other flatfish | 125 |
| Barramundi | 45 |
| Cobia | 40 |
| Atlantic cod | 23 |
| Oysters | 4,320 |
| Clams, cockles, arkshells | 1,62 |
| Mussels | 1,620 |

Contribution to food-fish supply

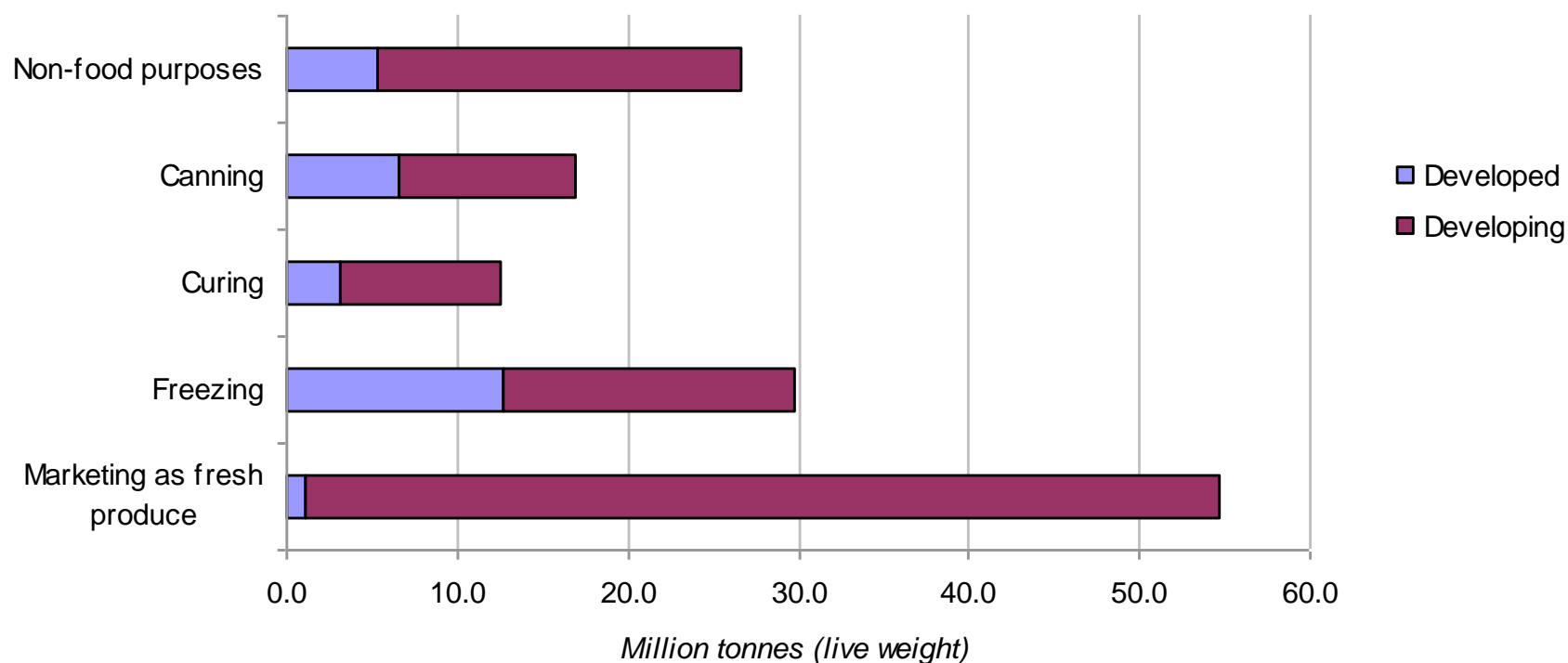


Utilization of world fisheries production (1961-2007)

Million tonnes (live weight)

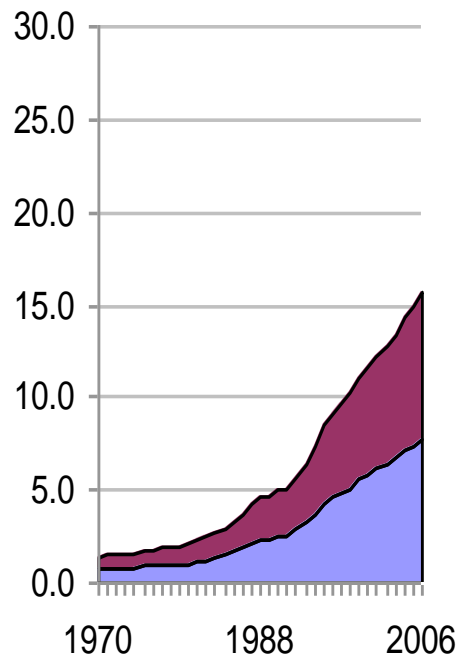


Utilization of world fisheries production (2007)

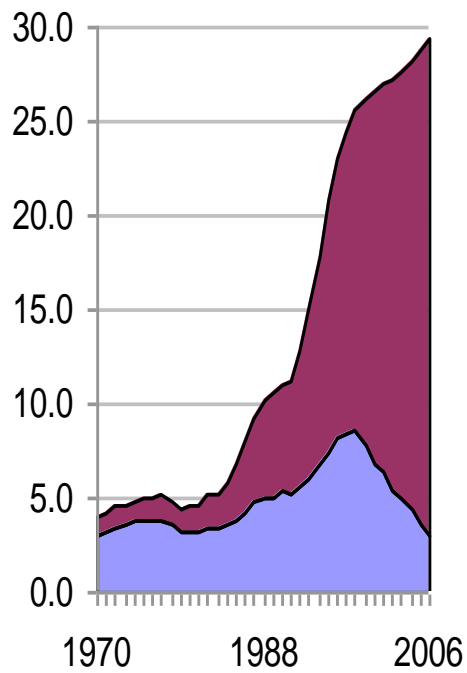


Fishery food supply (kg/capita)

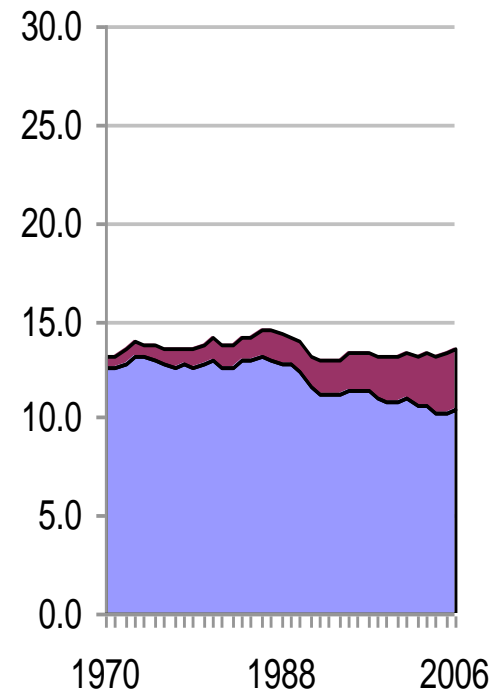
World



China



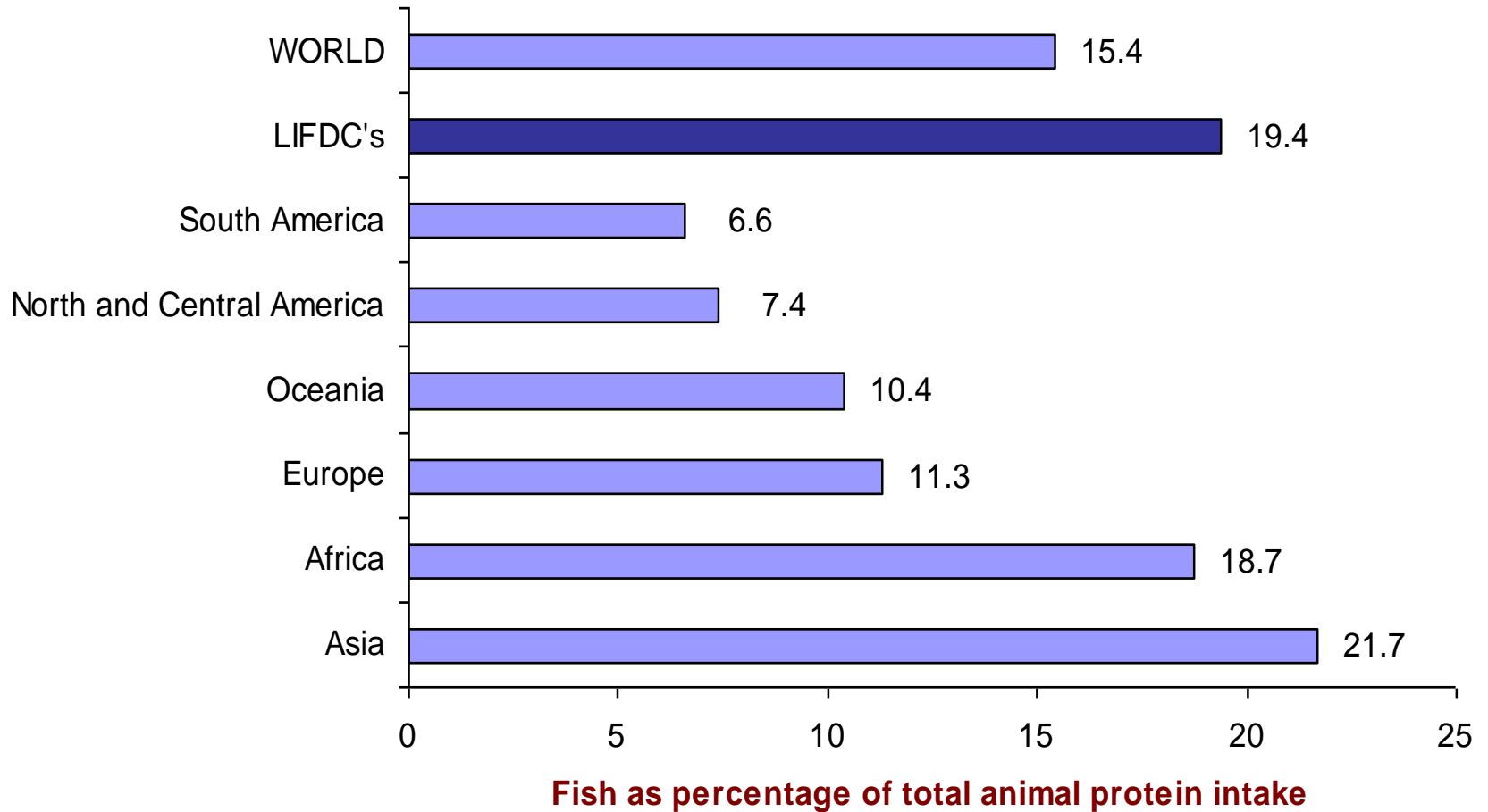
World excluding China



■ From capture ■ From aquaculture

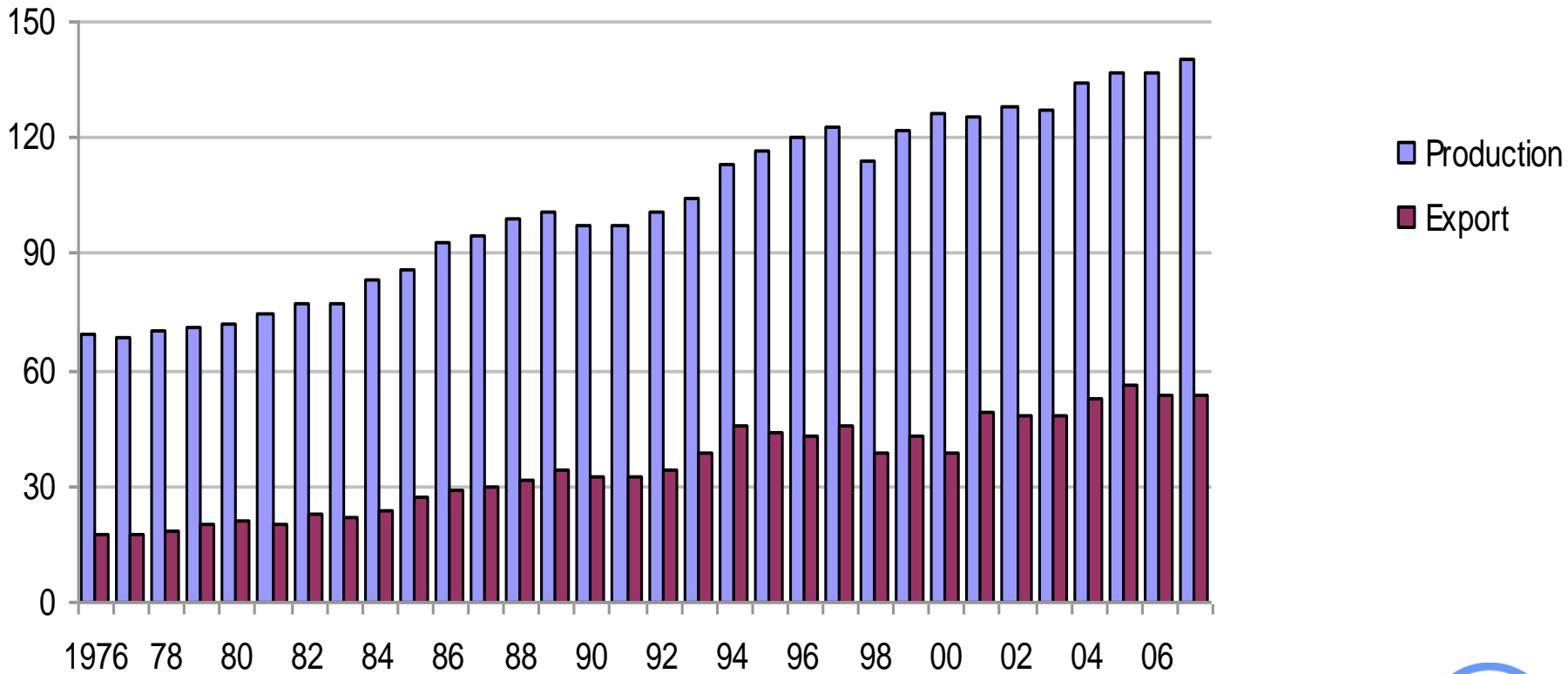


Contribution of fish to human diet (2003)

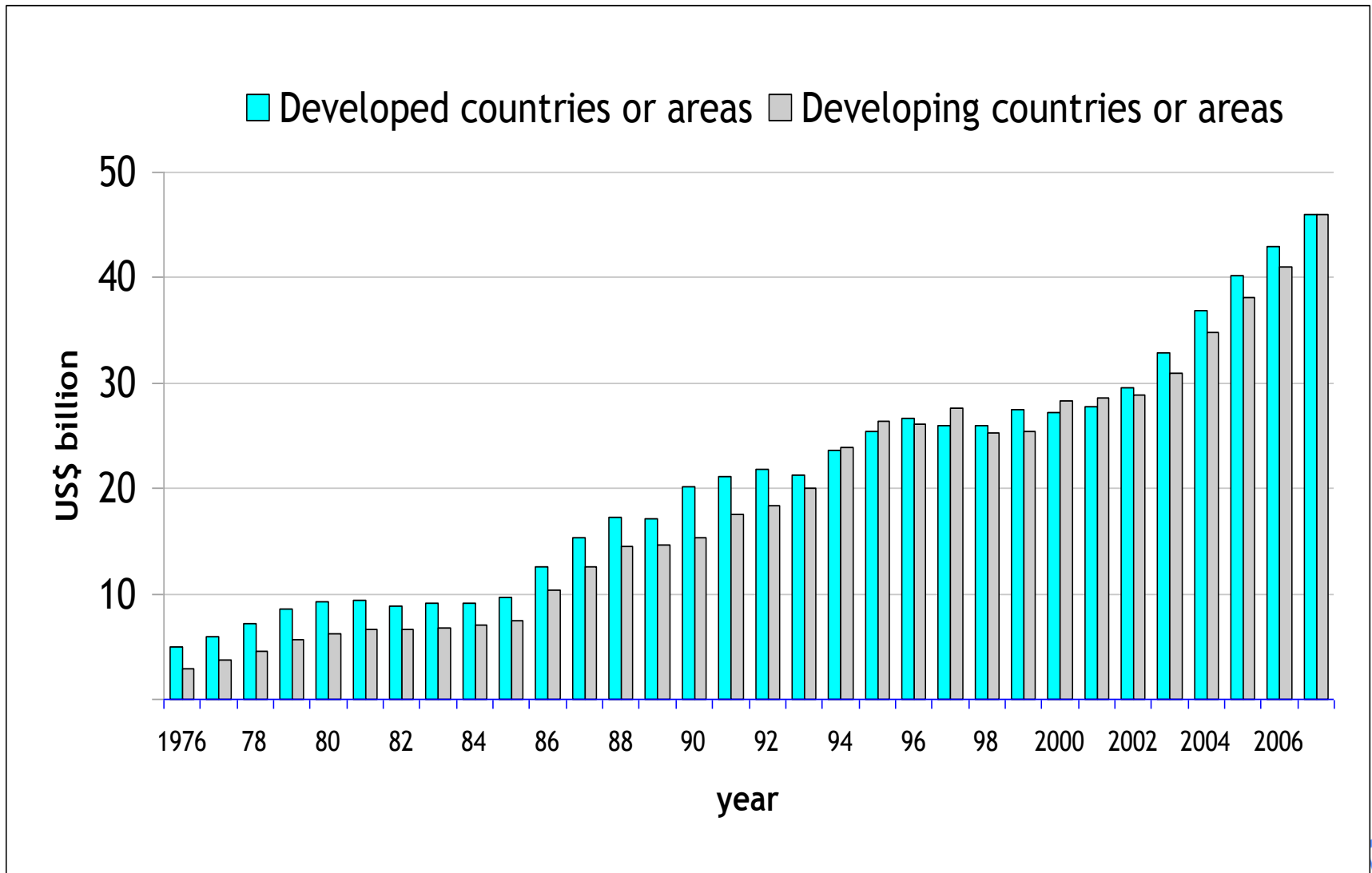


Share of world fishery production destined for exports

Million tonnes (live weight)

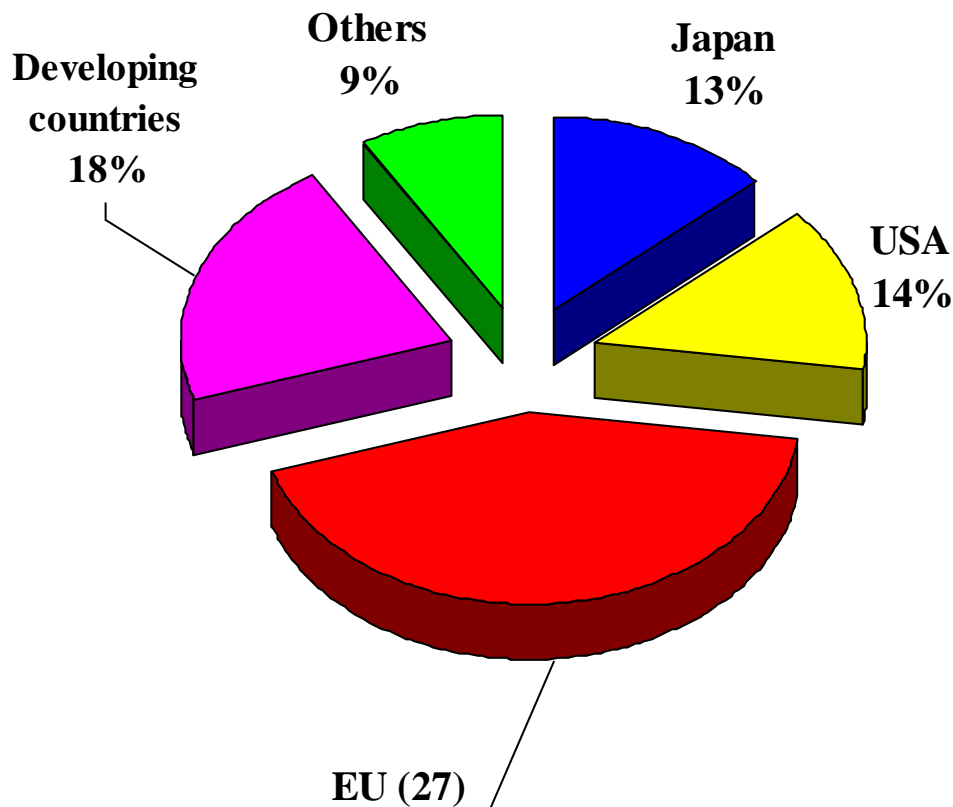


Fish exports (1976–2007)

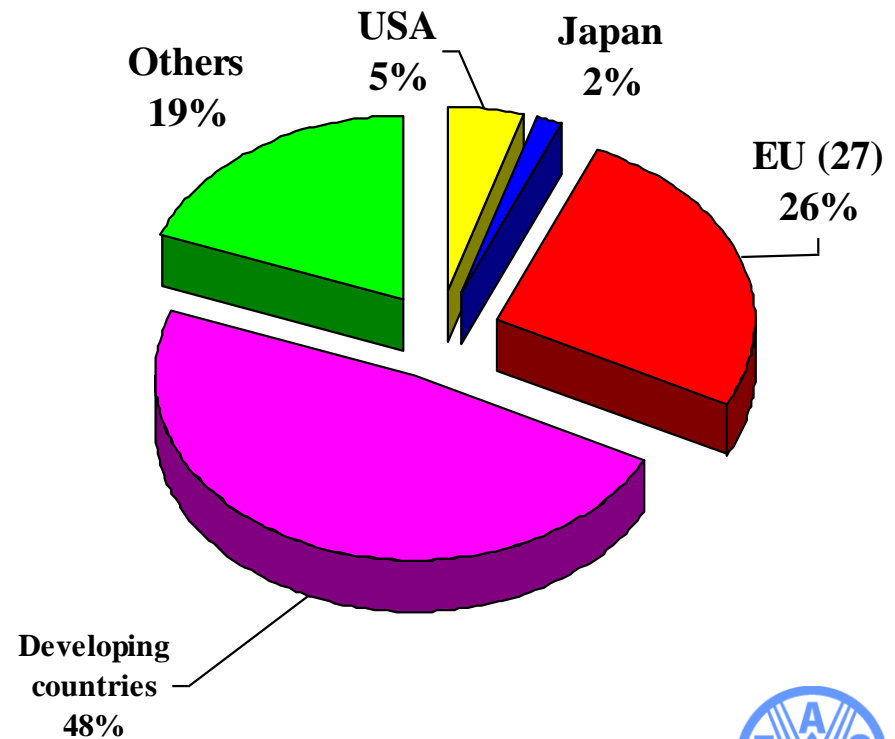


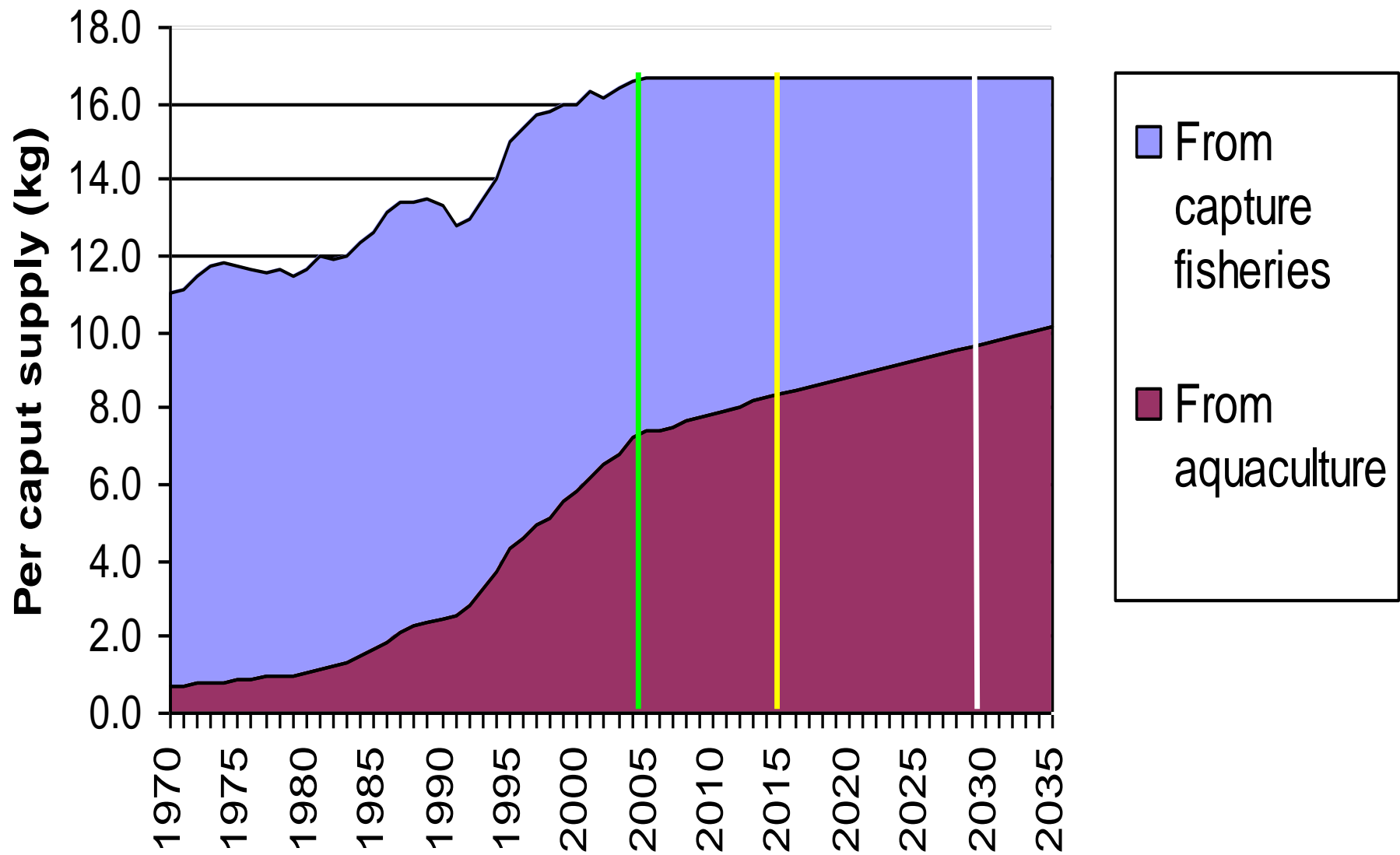
World Fish Trade 2007 (by value)

Imports



Exports





Major issues for fish utilization and trade

- **Sustainability**

- **Market access requirements**

- **Food security**



Sustainability

- **Fisheries: improved management, Eco-labeling, combating IUU**
- **Aquaculture development**
 1. **Environmental protection**
 2. **Socio-economic development**
 3. **Animal health**
 4. **Feed supply**
- **Reducing post harvest losses**



Market access

- **Improved food safety and animal health**
 1. **Regulatory frameworks,**
 2. **Harmonization and equivalence**
- **Private standards and certification**
- **Integrated traceability**



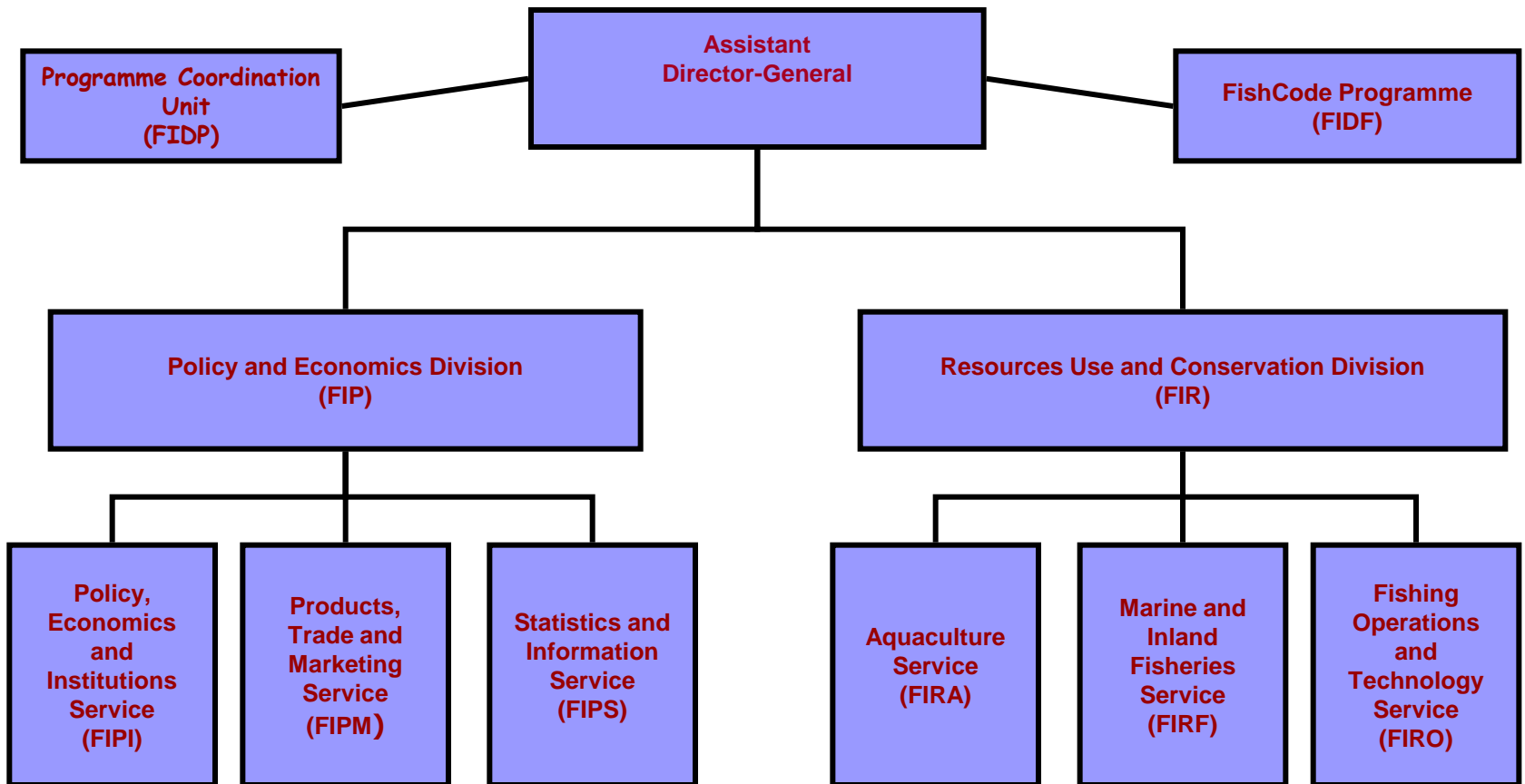


Recent and Future Developments

- **FAO reform and restructuring**
- **Normative vs. Field Work**
- **Information, knowledge and decision making**



Fisheries and Aquaculture Department



Normative vs. Field work

■ Normative Work

1. Codex work
2. Expert Consultation (Biotoxins, Viruses, Vibrios,...)
3. Technical Consultation (guidelines for certification in aquaculture, eco-labelling, responsible fish trade)
4. Statutory bodies (COFI, COFI:FT, COFI:AQ)
5. Networking (REDPAN, FIN, IAFI, ICMSS, SHC, CIHEAM)

■ Field work

1. TCP, TF, UTF (impact of decentralization)
2. Post emergency: e.g. Post tsunami projects
3. Integrated projects (policy, production and utilization)
4. Improved Post harvest Practices contribute to sustainability (e.g. TCP Morocco on fleet modernizing)
5. Clusters in aquaculture
6. Government – Industry partnerships



Country needs and Capacity building

Information



Knowledge



Decision making



Information

- **What**: Studies, Technical papers, Reports, country profiles, needs assessments
- **How**: Publications, circulars, reports, proceedings. Website (FI, Globefish), Multimedia, databases



Knowledge

- What: Codes, standards, Guidelines, regulations, SOPs
- How: Training, upgrading skills, workshop, conferences, expert and technical consultations



Decision making

- What: National strategies, regulations, policies, operating procedures
- How: COFI and its Sub-Committees, institutional building including all stakeholders, regional groupings and partnerships (e.g. ASEAN, APFIC, etc.)



Thank you

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