

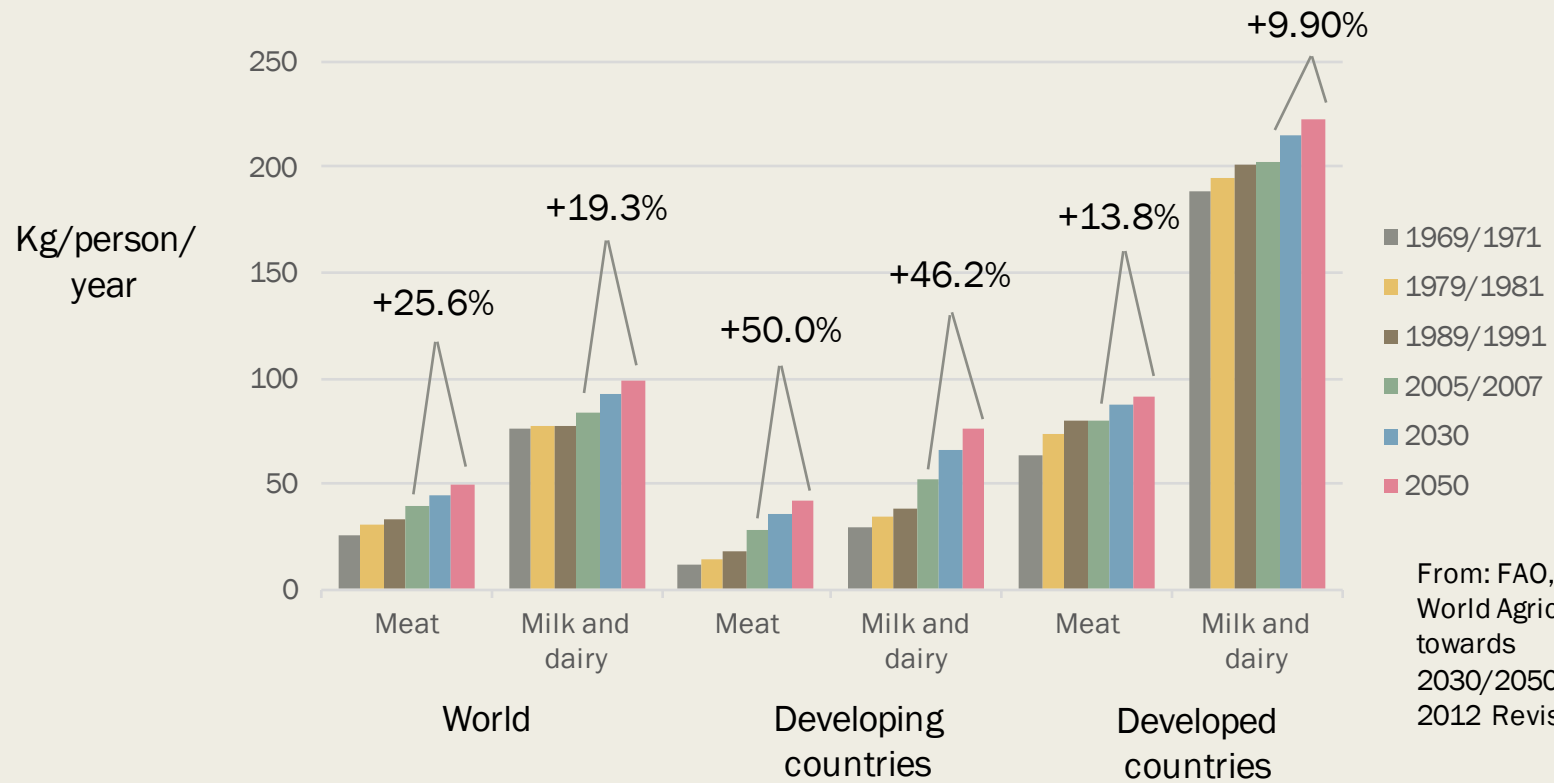
**ADB-CAREC
TA 9500
MODERNIZATION OF SPS MEASURES TO FACILITATE TRADE**

Trade with animals and animal products and the role of animal diseases

Dr. Manon Schuppers

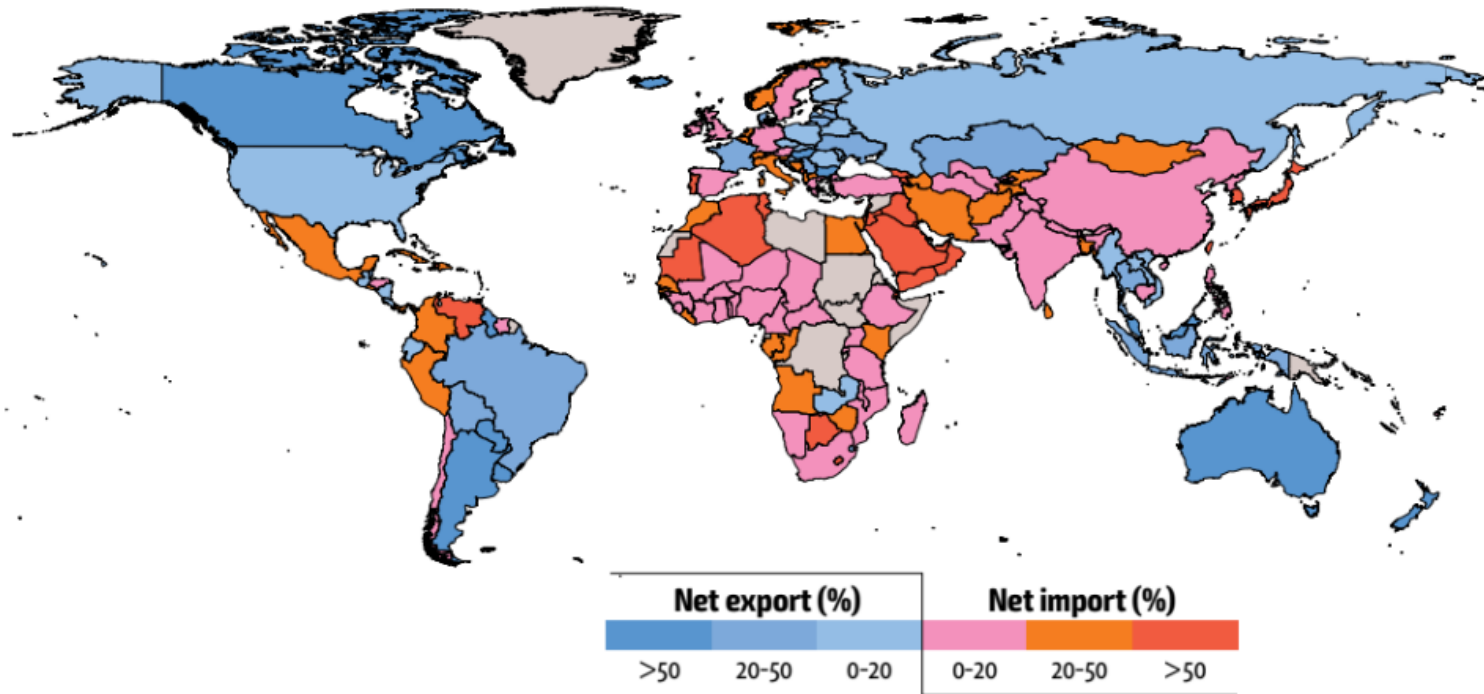


Increasing demand for animal protein



From: FAO, 2012. World Agriculture towards 2030/2050. The 2012 Revision.

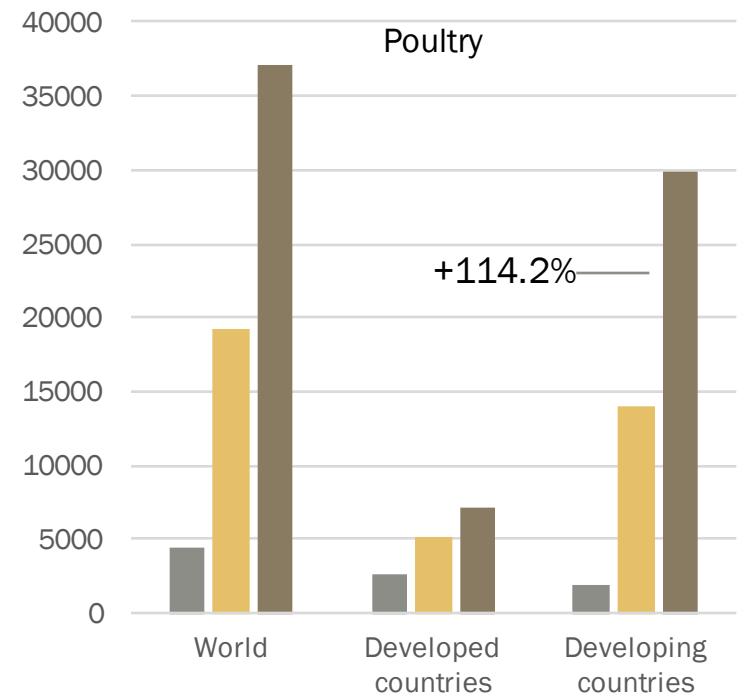
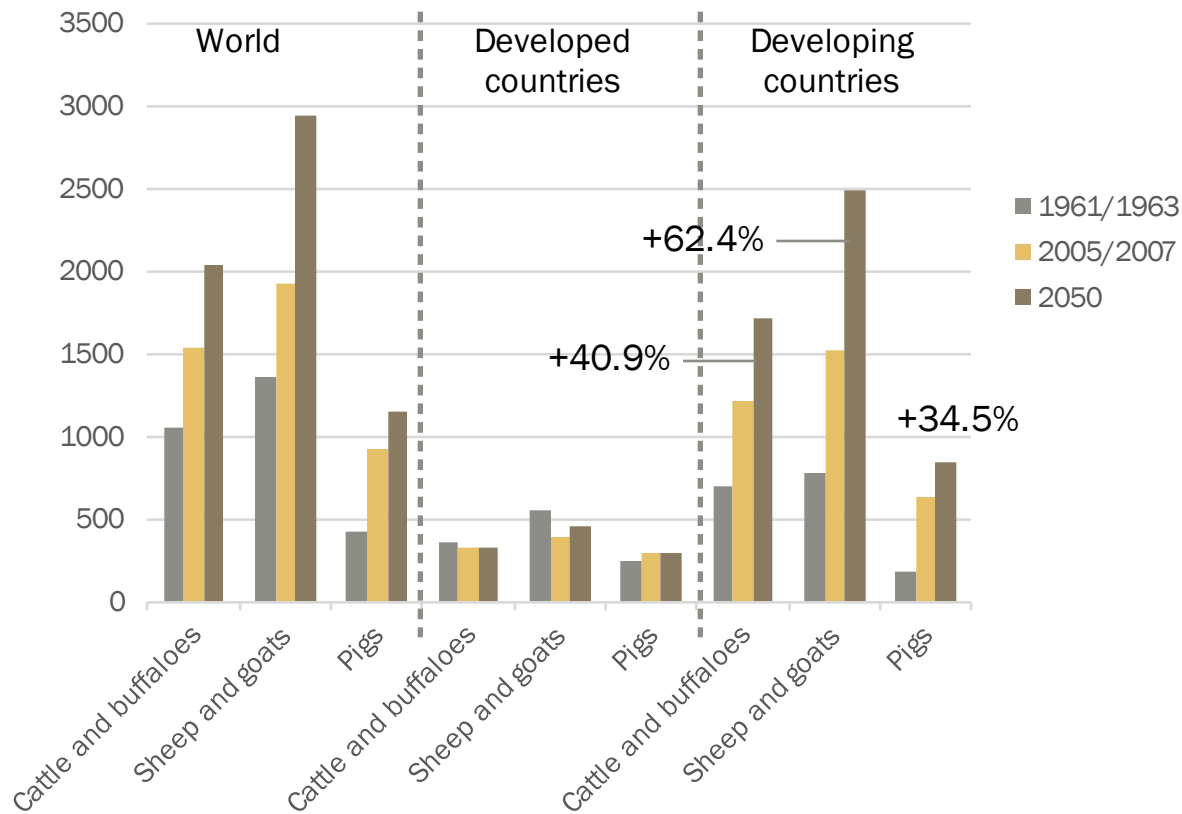
Figure 2.12 Percentage of net food imports in domestic food supply in total calories



Source: FAO Global Perspectives Studies, using 2011 food balance sheets from FAO, 2016a.

From: FAO, 2017. The future of food and agriculture. Trends and challenges.

Livestock production to meet demand



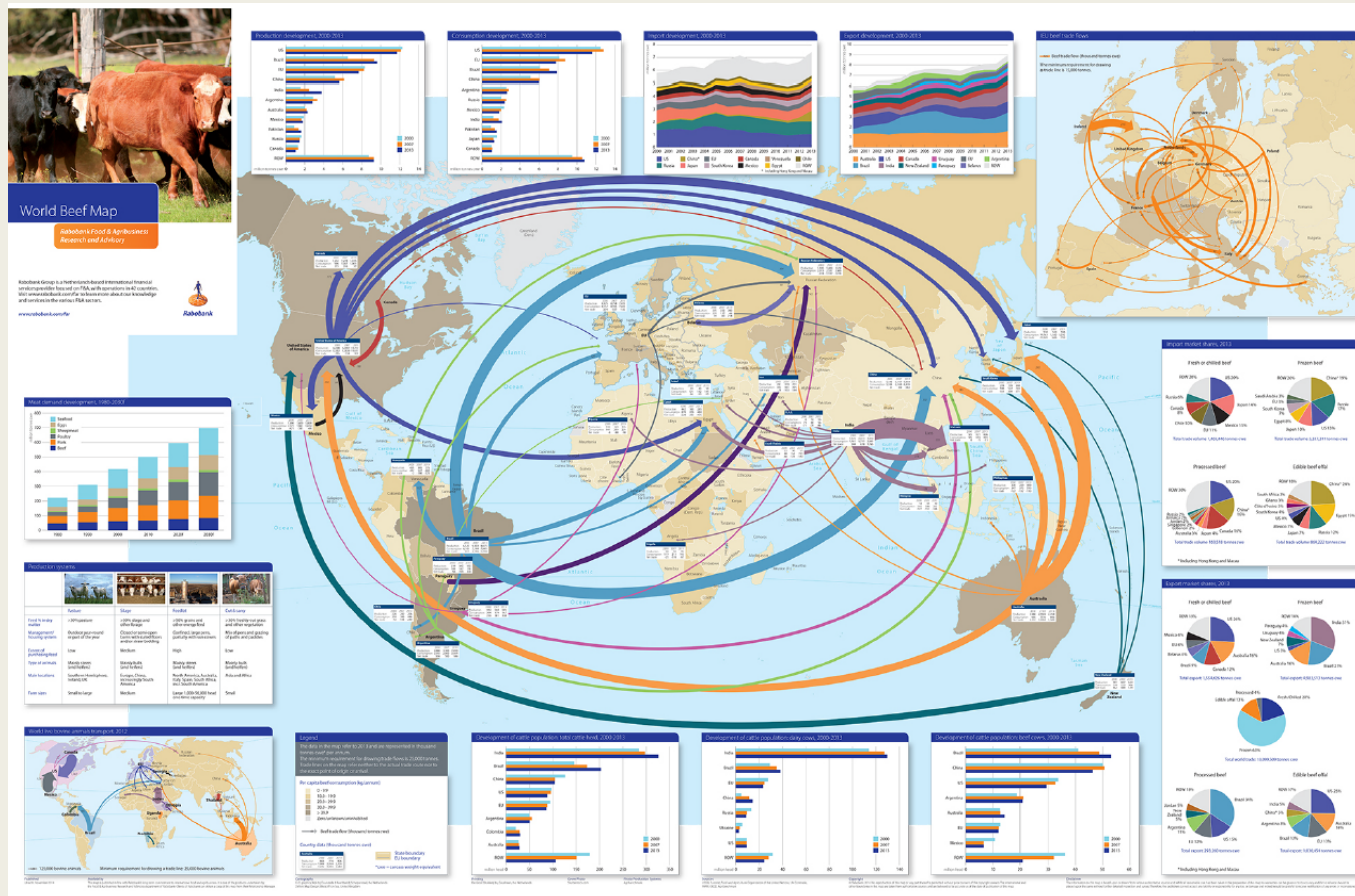
From: FAO, 2012. World Agriculture towards 2030/2050. The 2012 Revision.

Trade with milk



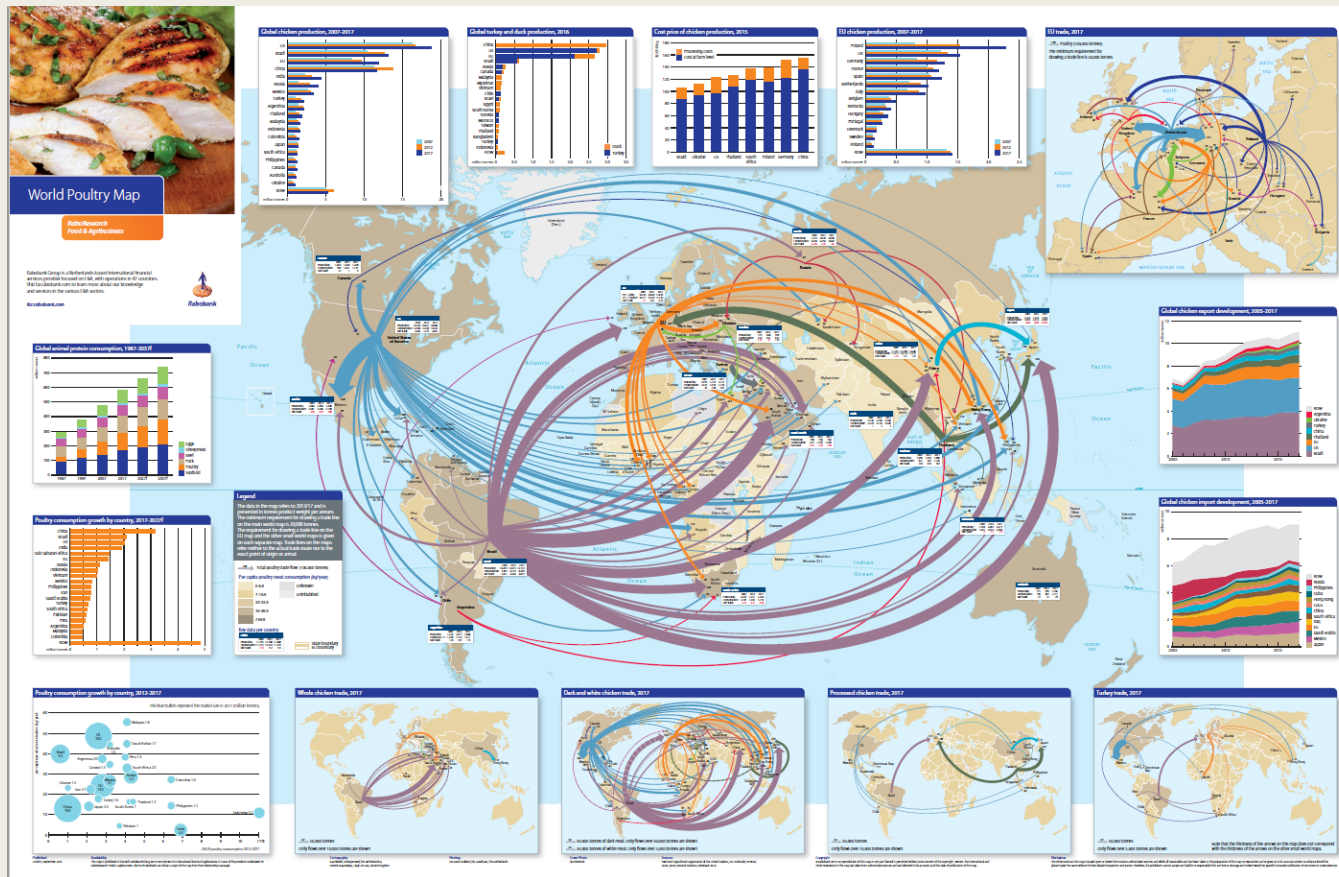
From: Rabobank World Dairy Map 2016.

Trade with beef



From: Rabobank World Beef Map 2014.

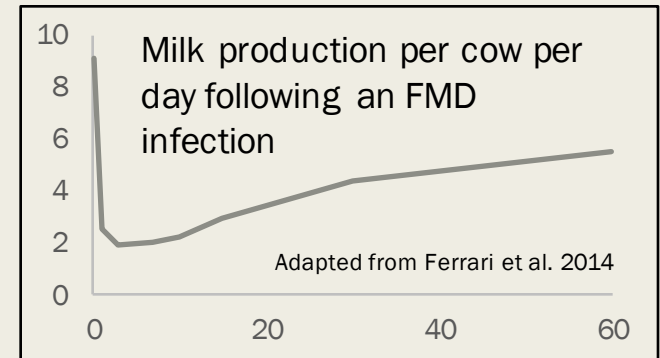
Trade with poultry



From: Rabobank World Poultry Map 2018.

Concerns of the importing countries

Reduced reproduction



Macro-economic impact



Mortality

Micro-economic impact



Regional program for control and prevention of TAD

Loss of production

Human health



Animal welfare

Highly complex trade networks

From: Weiser et al, 2013. Foodborne Pathog. Dis. 10(3): 263-269

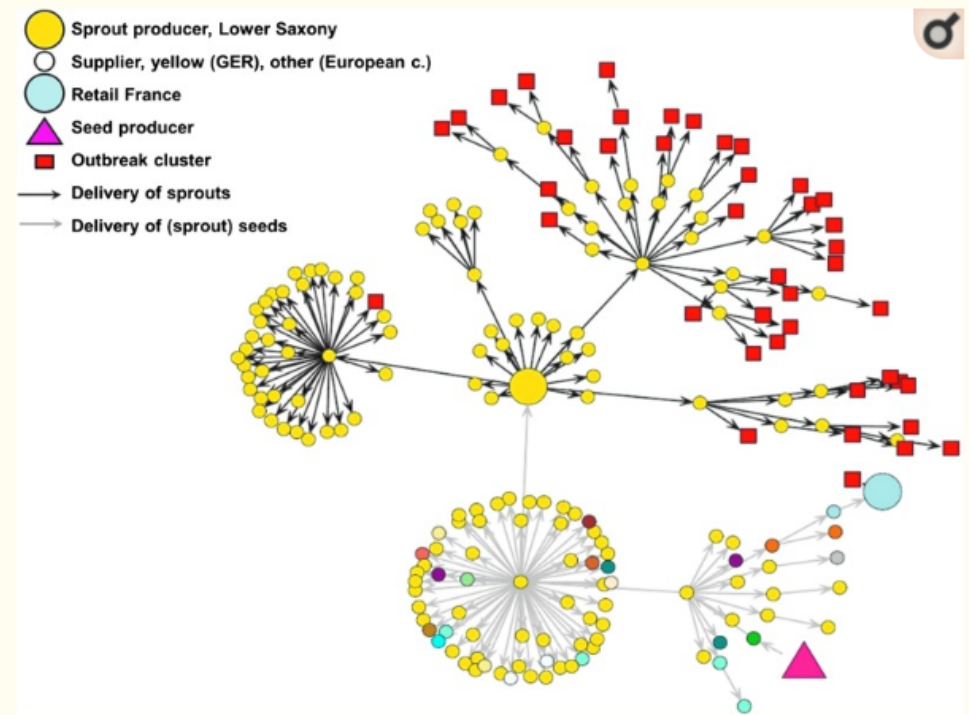


FIG. 3.

Combined network of all relevant fenugreeek seed and sprout supplies. Supplier network of the STEC O104:H4 outbreak in 2011; results of combined forward and backward tracing of the supply chain. Here, all the companies are represented that have come in contact with the suspected batch of seeds or produced sprouts (created with the R-Package “network,” available at <http://statnet.org>) (Butts, 2008).

ORIGINAL ARTICLE

An Outbreak of Porcine Reproductive and Respiratory Syndrome Virus in Switzerland Following Import of Boar Semen

C. Nathues¹, L. Perler², S. Bruhn², D. Suter², L. Eichhorn³, M. Hofmann⁴, H. Nathues⁵, C. Baechlein⁶, M. Ritzmann⁷, A. Palzer⁷, K. Grossmann⁸, G. Schüpbach-Regula¹ and B. Thür⁴

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RESEARCH ARTICLE

Open Access

Outbreak of foot and mouth disease and peste des petits ruminants in sheep flock imported for immediate slaughter in Riyadh

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Balancing between protection of life and promotion of trade

Protection of life and health

Trade promotion

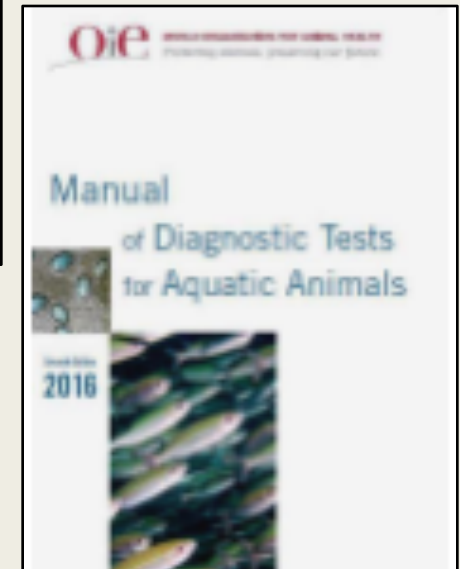
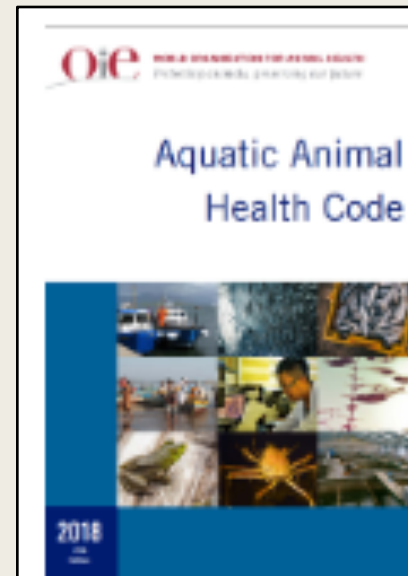
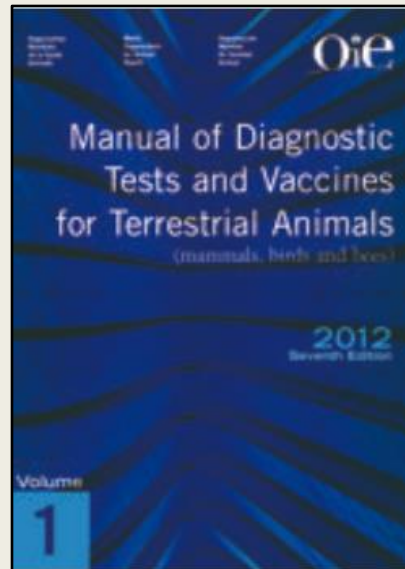
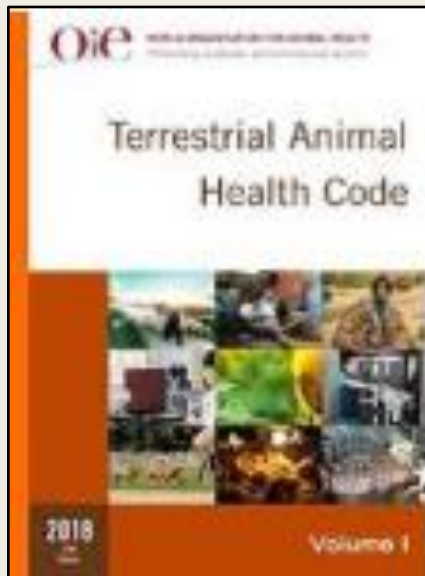
SPS article 2.1

SPS article 2.2

"Members have the right to take sanitary and phytosanitary measures necessary for the protection of human, animal or plant life or health, ..."

"Members shall ensure that any sanitary or phytosanitary measure is applied only to the extent necessary to protect human, animal or plant life or health, is based on scientific principles and is not maintained without sufficient scientific evidence, ..."

Technical guidance by OIE recommendations



Strengthening capacities

- There is a need to strengthen capacities of veterinary services:
 - *To facilitate the necessary increase in livestock production with healthy animals*
 - *To ensure compliance with international standards for international trade*
 - *To enable trade with safe commodities*
- A wide range of support mechanisms are available, including but not limited to:
 - *OIE Performance of veterinary services Pathway*
 - *Standards and Trade Development Facility*
 - *Disease-specific support mechanisms (see also later presentations)*

Regional and international cooperation

- Diseases do not respect boundaries
- Cooperation between countries is required for sustainable improvement