



Ministerie van Economische Zaken



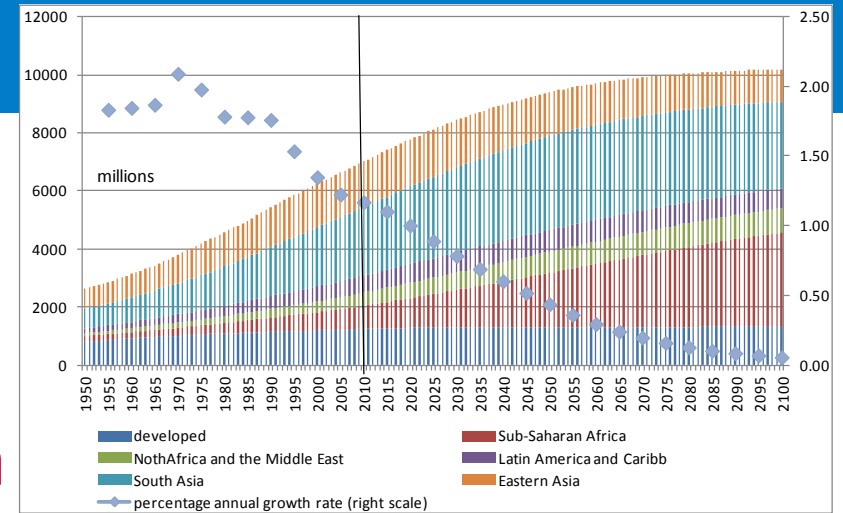
The next 10 years: a changing environment for FMD epidemic management

Christianne Bruschke

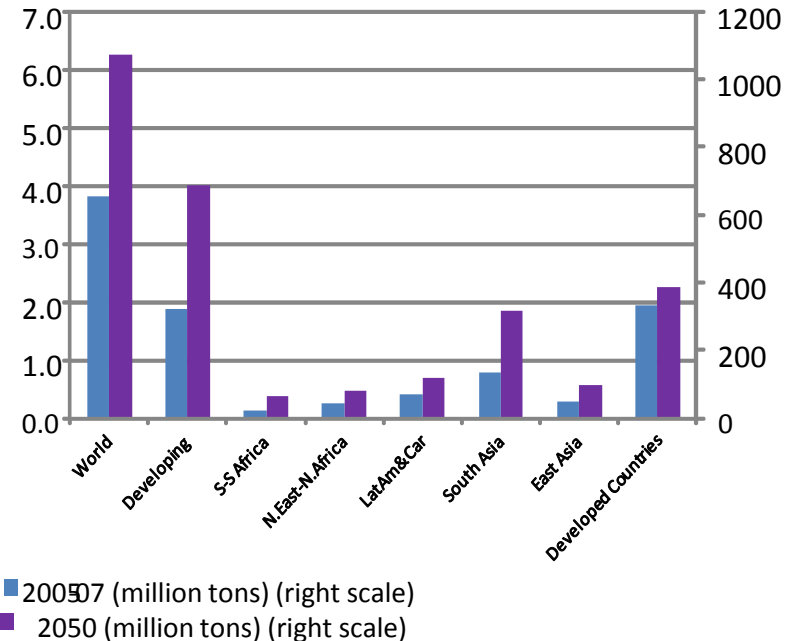
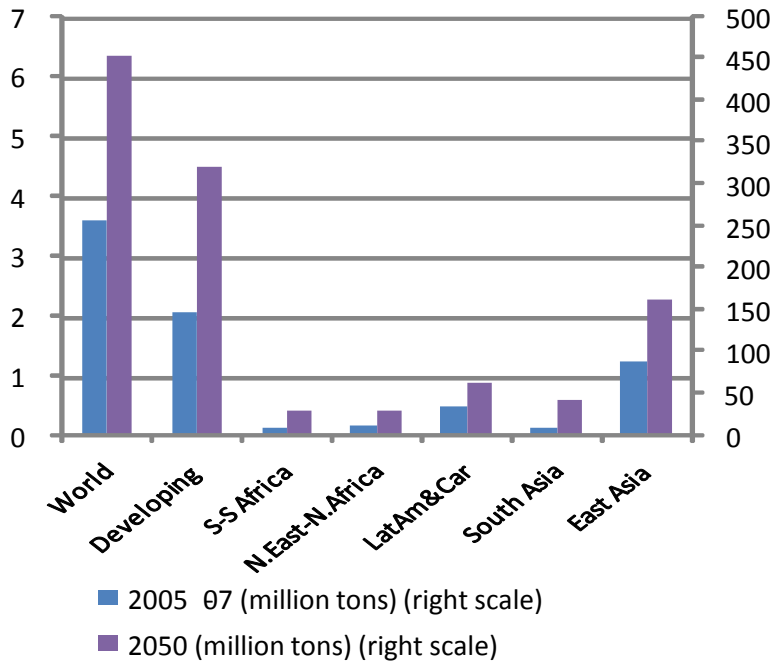


World population

Dairy and Meat Consumption



All meats



Source: Alexandratos, 2011



Animal Husbandry in The Netherlands

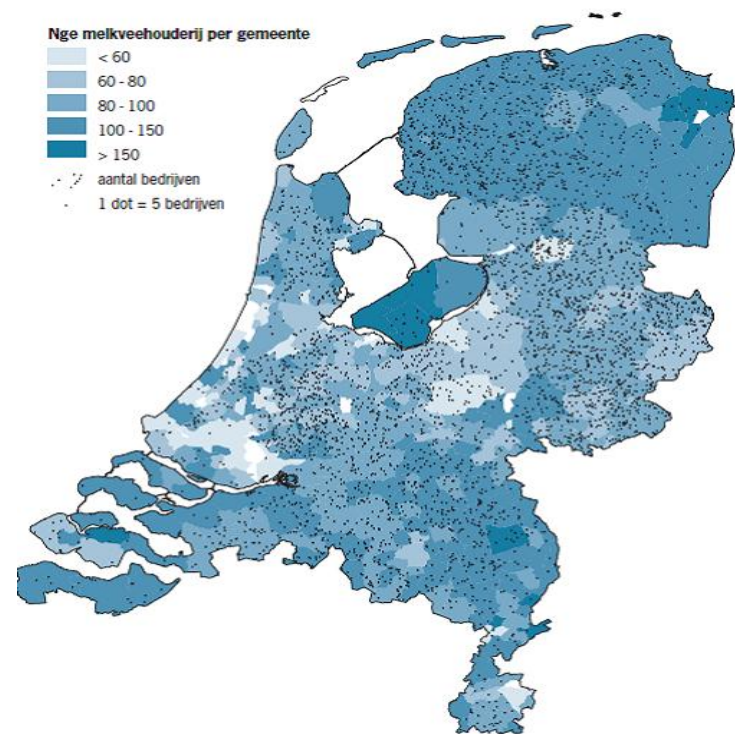
- 3.9 million cattle
- 900.000 veal calves
- 12 million swine
- 500.000 horses
- 1,5 million sheep and goats
- 100 million poultry

Share with:

- 17 million people

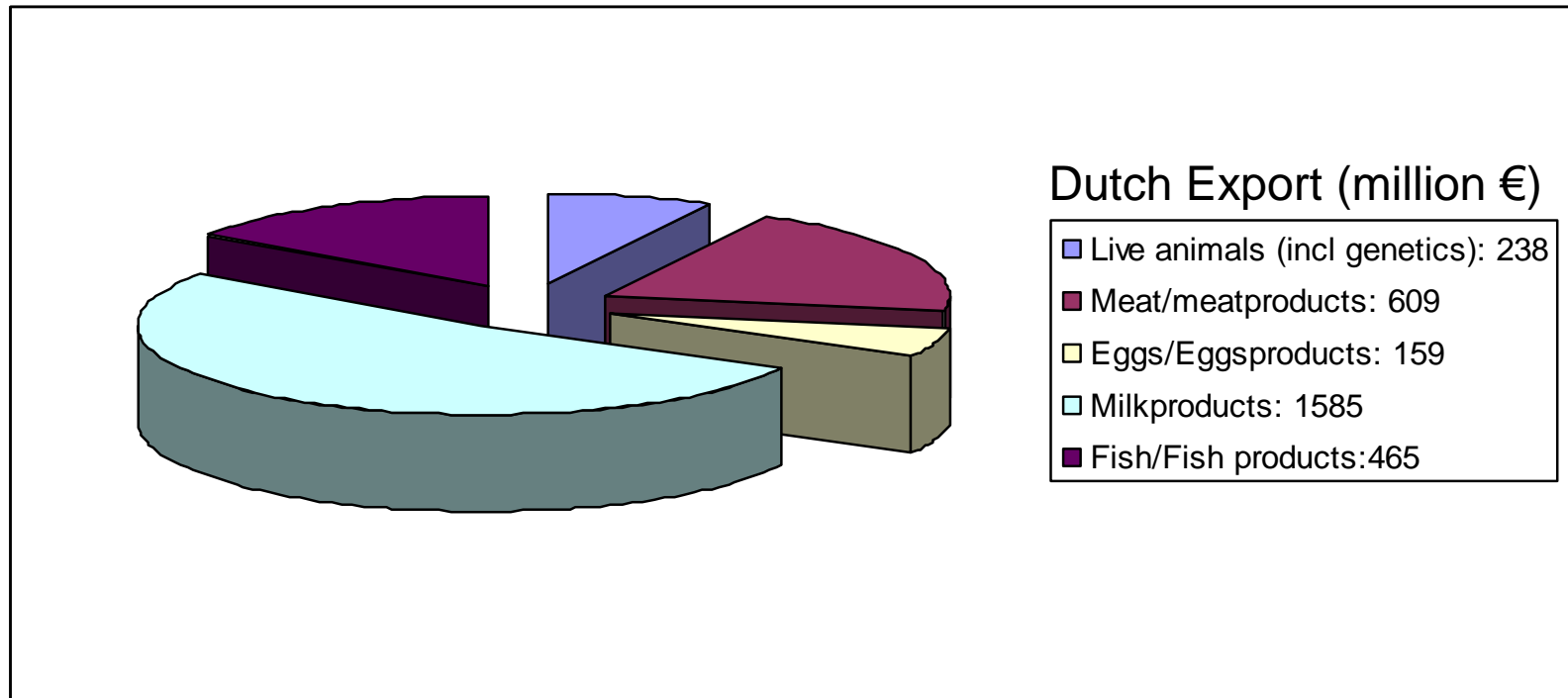
On:

- 33 893 km² land





Trade: important part of economy



Total Dutch agricultural export 2012: 77,9 billion euro

Total Dutch agricultural import 2012: 48.3 billion euro



The other side: animal diseases





One health and zoonotic threats





Concerns about animal welfare





Global and European task

Global

- Feed 9 billion people
- Key: 2 times more with 2 times less
- Decrease food losses and food waste

Europe

- Sustainability of animal husbandry
- No unlimited growth of this sector



Sustainable Animal Husbandry

- Climate and Energy
- Animal Health and Welfare
- Human Health
- Biodiversity and Environment
- Societal concerns



Responsibilities

- Animal husbandry and related industries: license to produce (sustainable)
- Government: putting difficult issues on the agenda, facilitation and support of (private) initiatives where possible, animal disease management
- Veterinarians: private expert guidelines, more veterinary services and advise
- Pharmaceutical industries: product development and sustaining up-to-date files



Private Public Partnerships

- Europe at the top of agricultural research
- Attractive environment for top-R&D industries
- Top Sector 'Life Sciences & Health' is one of the Dutch priority-industries
- Tension between research needs of developing/ in transition countries and the need of developed countries



Changing situation for Foot and Mouth Disease

- Increase in Dairy and Swine production; more susceptible animals?
- Increase in trade; risk of introduction / spread increases?
- Sustainability issues: introduction risk (animals outdoors, swill feeding)?
- Consequences for:
 - Outbreak management?
 - Vaccination programs?
 - Trade?
 - Research needs?
 - Legislation / OIE

