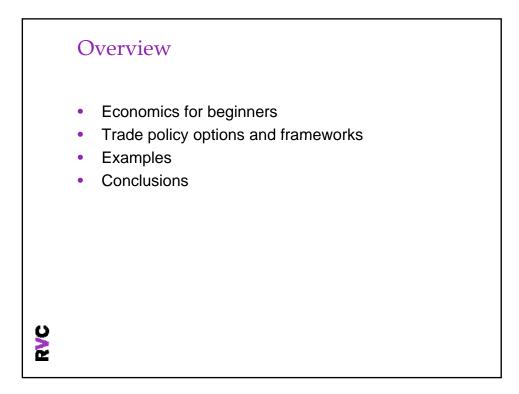


Economics of animal-derived food – costs and benefits in a global market

Katharina D.C. Stärk



Economics of animal diseases for beginners

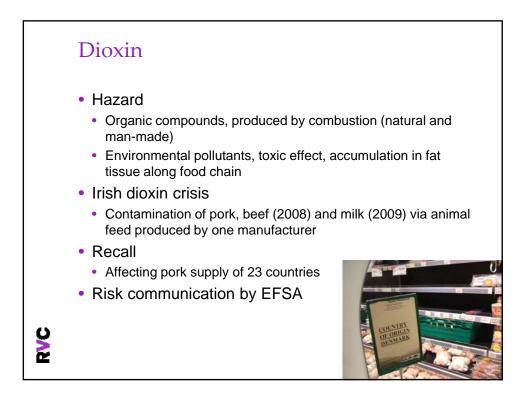
- **Economics** = Analysis of production, distribution and consumption of goods and services
- Economic value = Benefit gained by individual and society as a result of consuming animal-derived food created by transformation of resource.
- Economic cost = Loss of economic value due to disease for individual and society.

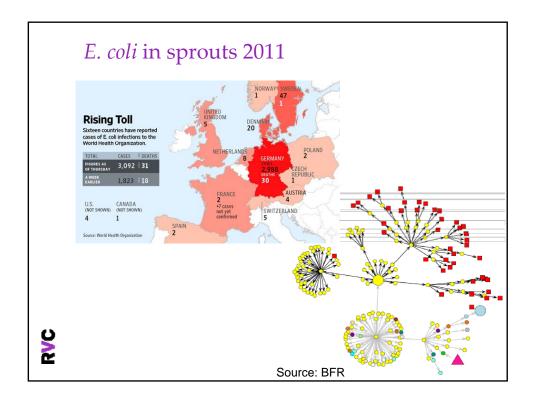
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 Production or output loss = Unplanned reduction in the quantities of animal goods from a given quantity of resource input, or its monetary equivalent.



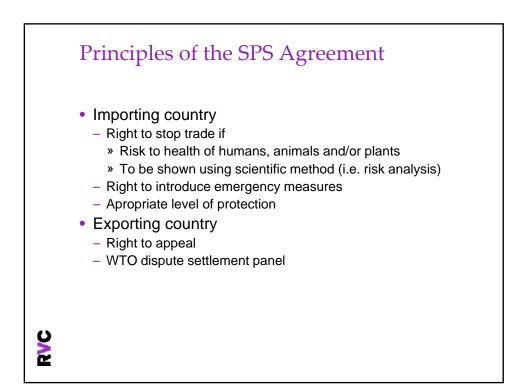
Risks	Benefits		
Animal health risks	Access to larger, high-price markets		
Public health risks	Food security (volume, safety, nutritional value)		
Adulteration along complex chains	Food diversity		
Delayed intervention during outbreaks due to complex food value chains	Annual resilience of supply		
Food losses during transport, spoilage	Lower prices		
Environmental risks	Environmental benefits		
Competition for domestic producers			

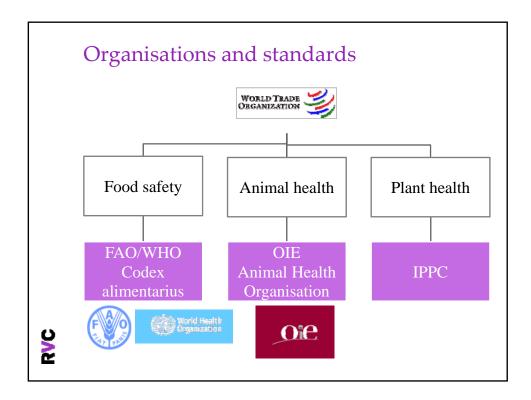


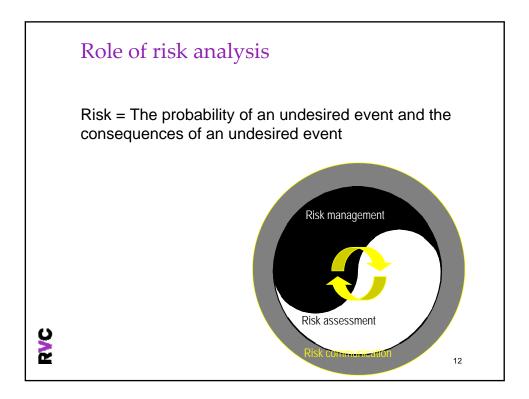














Leed OIE					
 Country risk assessment 	Surveillance subpopulation				
Release	Routine slaughter ^{1.}	Fallen stock ^{2.}	Casualty slaughter ^{3.}	Clinical suspect ^{4.}	
 Risk management 	Age <u>></u> 1 year and <2 years				
measures	0.01	0.2	0.4	N/A	
Surveillance	Age > 2 year and <4 years (young adult)				
	0.1	0.2	0.4	260	
 Three categories 	Age <u>></u> 4 yea	ar and <	7 years (mic	dle adult)	
Negligible	0.2	0.9	1.6	750	
Controlled	Age > 7 year and <9 years (older adult)				
	0.1	0.4	0.7	220	
Undetermined	Age <u>></u> 9 year and <2 years (aged)				
 Regular updating 	0.0	0.1	0.2	45	

