

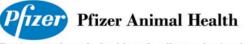
ONE WORLD - ONE HEALTH: BRAZIL HEALTHY ECOSYSTEMS, LIVESTOCK AND HUMAN LIVELIHOODS An Innovative Public-Private Partnership October 2-4, 2007



one world • one health







Passionate about the health and wellness of animals



The Bay and Paul Foundations









FIRST ANNUAL REPORT

OF THE

NEW YORK ZOOLOGICAL SOCIETY

CHARTERED IN 1895

OBJECTS OF THE SOCIETY

A PUBLIC ZOOLOGICAL PARK THE PRESERVATION OF OUR NATIVE ANIMALS . THE PROMOTION OF ZOOLOGY



NEW YORK OFFICE OF THE SOCIETY, 09 WALL STREET MARCH 15, 1897

© WCS

The Wildlife **Conservation Society** (WCS) was founded as the New York **Zoological Society** with the purpose of public education, research in zoology, and the preservation of wildlife.



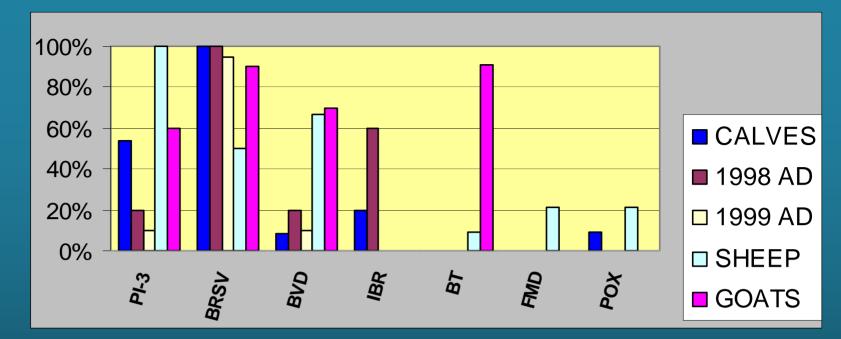


WCS Health Projects









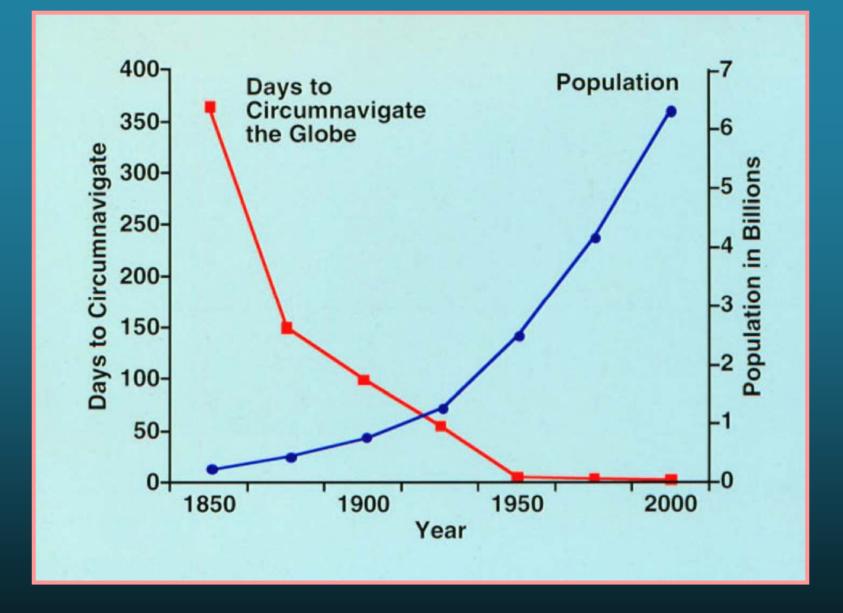


Infectious Disease	Affects Wildlife	Affects Domestic Animals	Affects Humans Directly	Affects Human Livelihoods Indirectly
Brucellosis	X	Х	X	X
Canine Parvovirus	X			
Chagas	X	X	X	
Distemper	X	X		
Foot and Mouth Disease	X	X		Х
Leishmania	X		X	
Leptospirosis	X	X	X	
Rabies	Х	Х	Х	Х
Scabies	X	Х	Х	
Toxoplasmosis	X	Х	Х	

humanity is currently plagued by 1407 known pathogens....

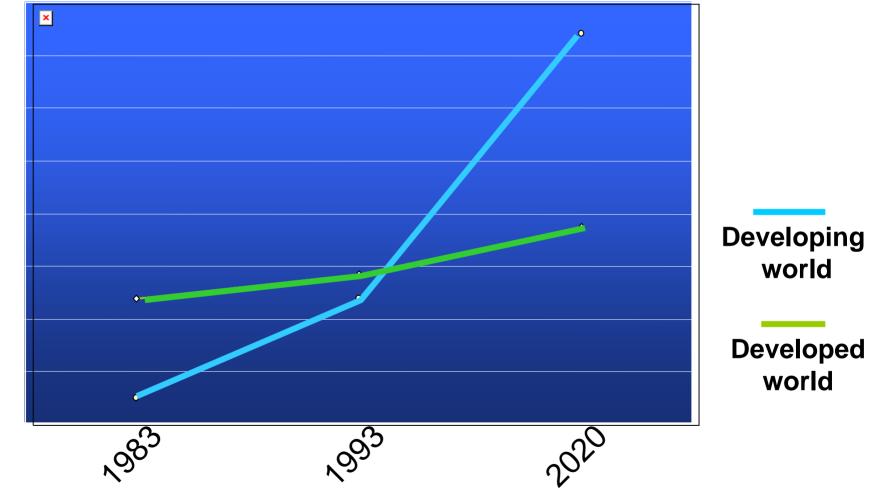
Almost 2/3rds are shared between people and animals

Woolhouse & Gowtage-Sequeria



Murphy and Nathanson, Semin. Virol. 5, 87, 1994

World Meat Consumption: 1983-2020



Source: IFPRI, "Livestock to 2020: The Next Food Revolution"

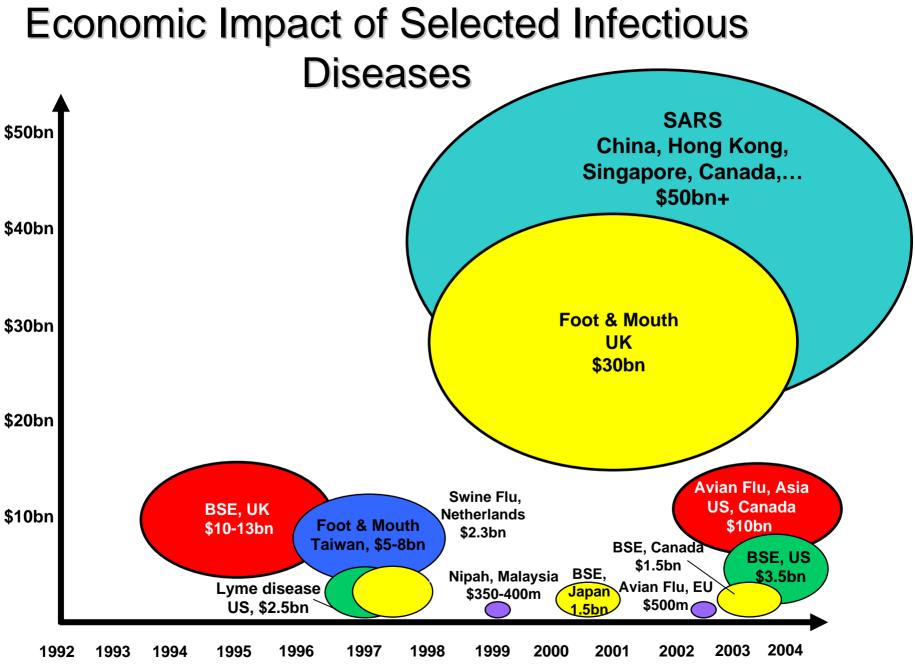
FAO Annual Data. Total meat consumption for 1983 and 1993 are three-year moving averages. 2020 projections come from IFPRI's global model, IMPACT

Million Metric Tons

The Global Meat Trade is Highly Concentrated

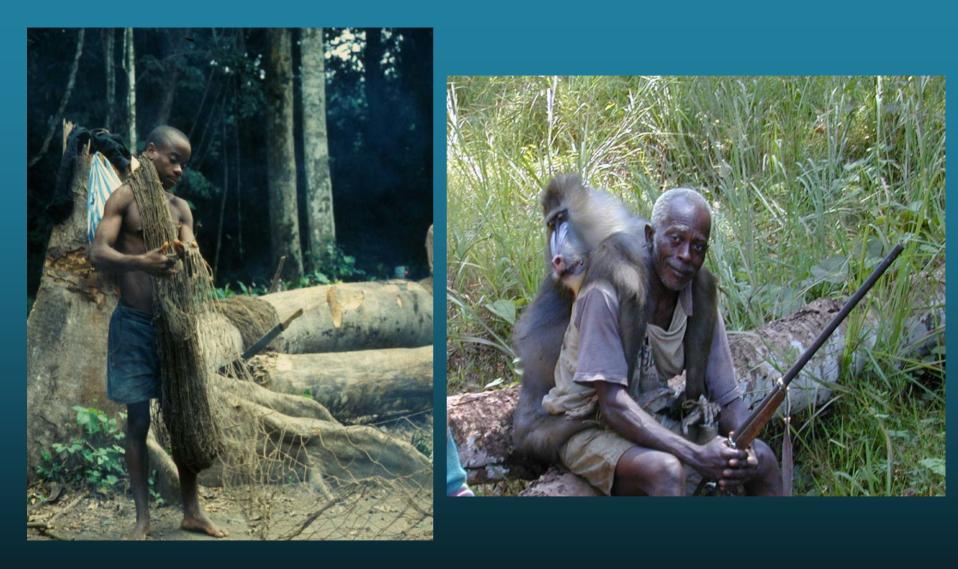


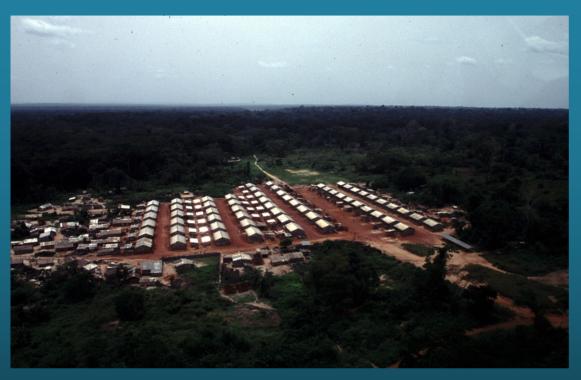
Source: Center for Global Food ISSUES



Figures are estimates and are presented as relative size. See table for more details.

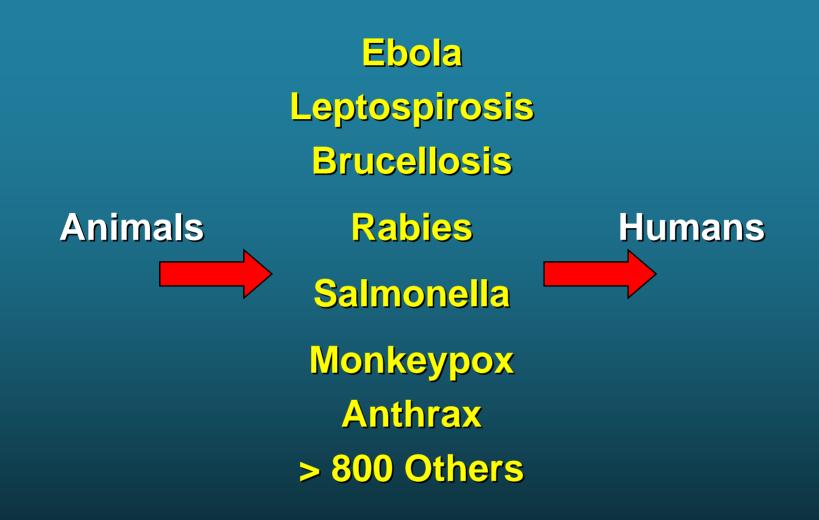
BIO-ERA

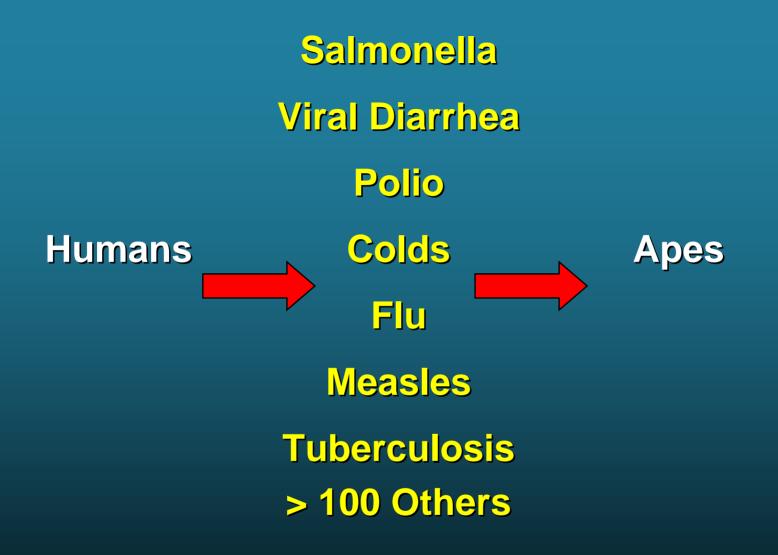




1,000,000,000 Kg / Year (Central Africa)







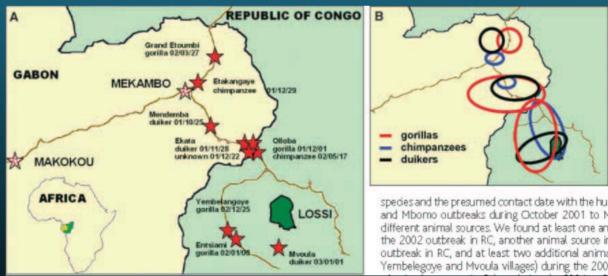
Disease outbreak Investigations & Post-mortem exams





Multiple Ebola Virus Transmission Events and Rapid Decline of Central African Wildlife SCIENCE, Jan. 16, 2004



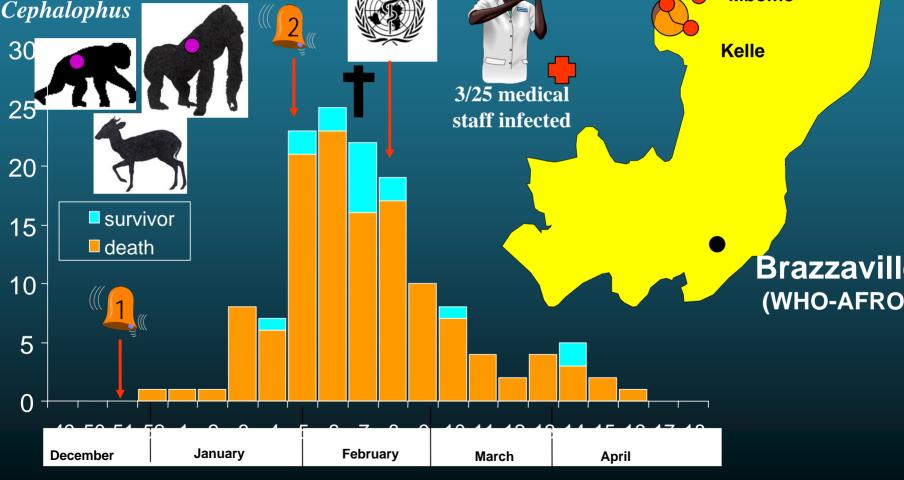






Ebola outbreak in Mborno and Kéllé districts, December 2002 to April 2003, Congo (143 cases, 128 deaths). Gorilla gorilla Pan troglodytes **Mbomo** Cephalophus Kelle 3/25 medical 25 staff infected

> **Brazzaville** (WHO-AFRO)





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Global Avian Influenza Network for Surveillance (GAINS) for Wild Birds















AEWA



WILDLIFE HEALTH CENTER





FRIEDRICH-LOEFFLER-INSTITUT

Bundesforschungsinstitut für Tiergesundheit Federal Research Institute für Animai Health





Percy FitzPatrick Institute of African Ornithology University of Cape Town









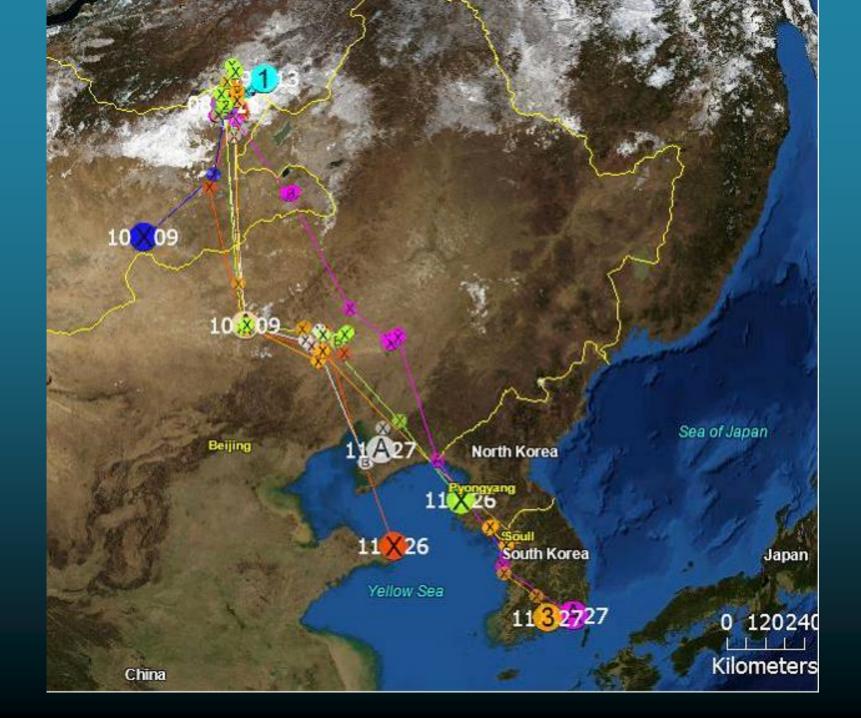


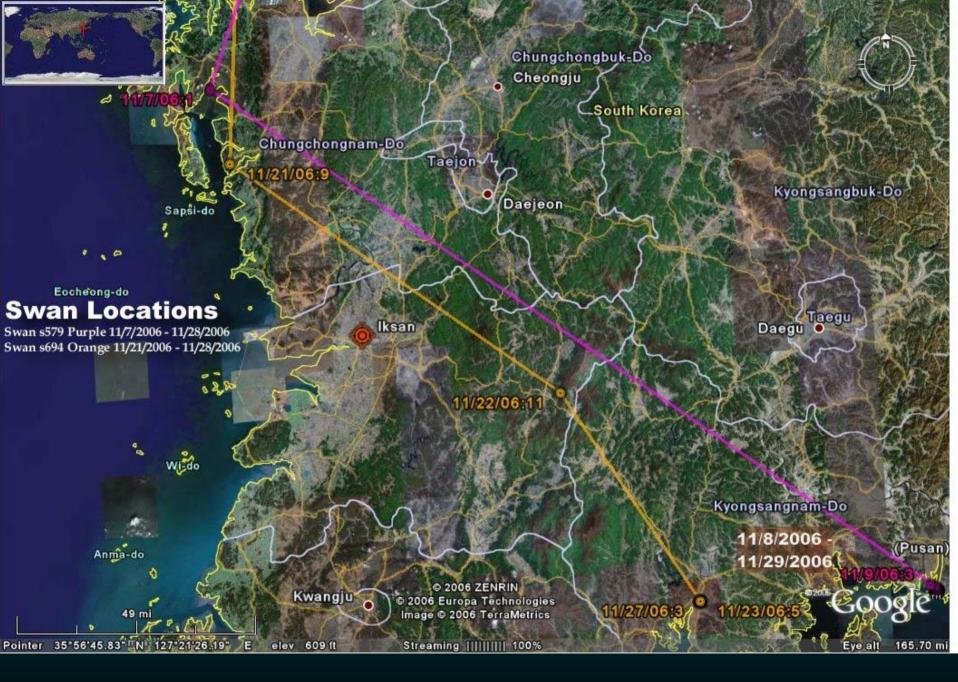


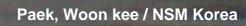


Mongolia \rightarrow USDA/ARS/SEPRL \rightarrow CDC \rightarrow St. Jude's WHO collab. Ctr.

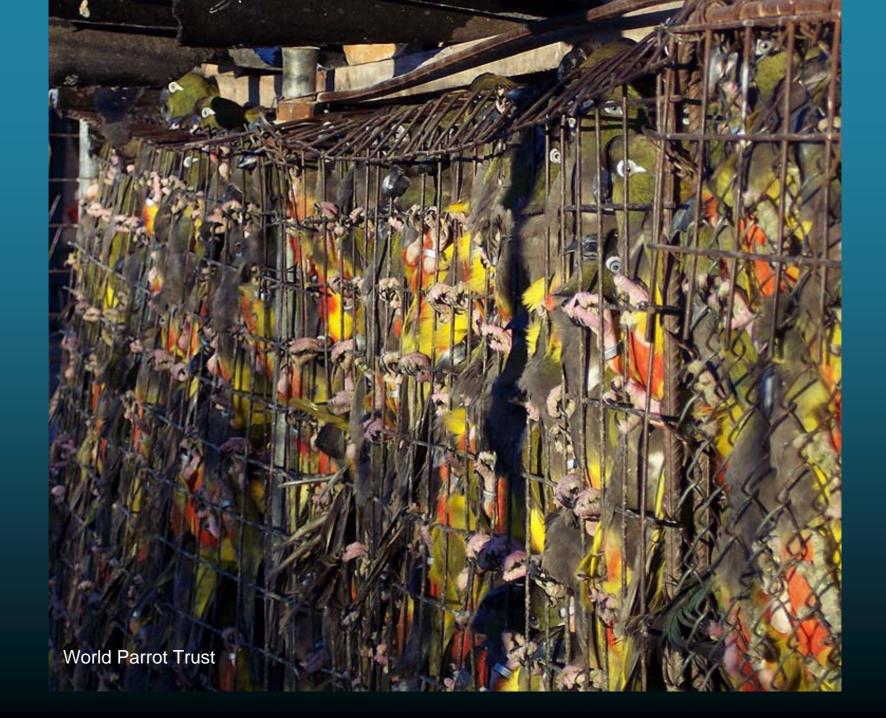
Wild whooper swan isolate selected by WHO as Human pandemic influenza vaccine candidate



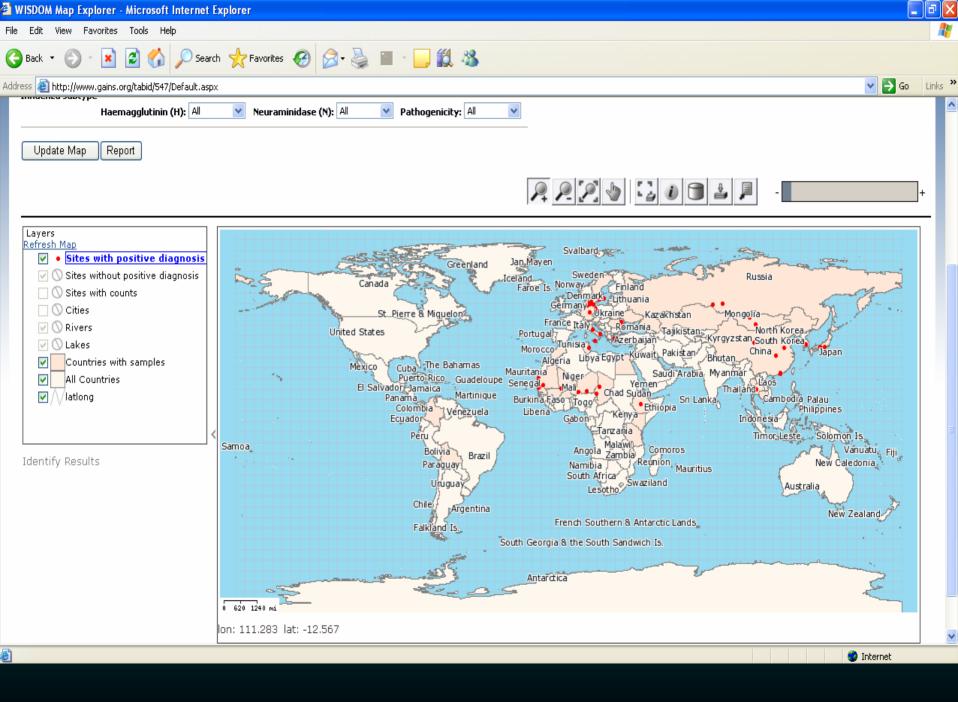




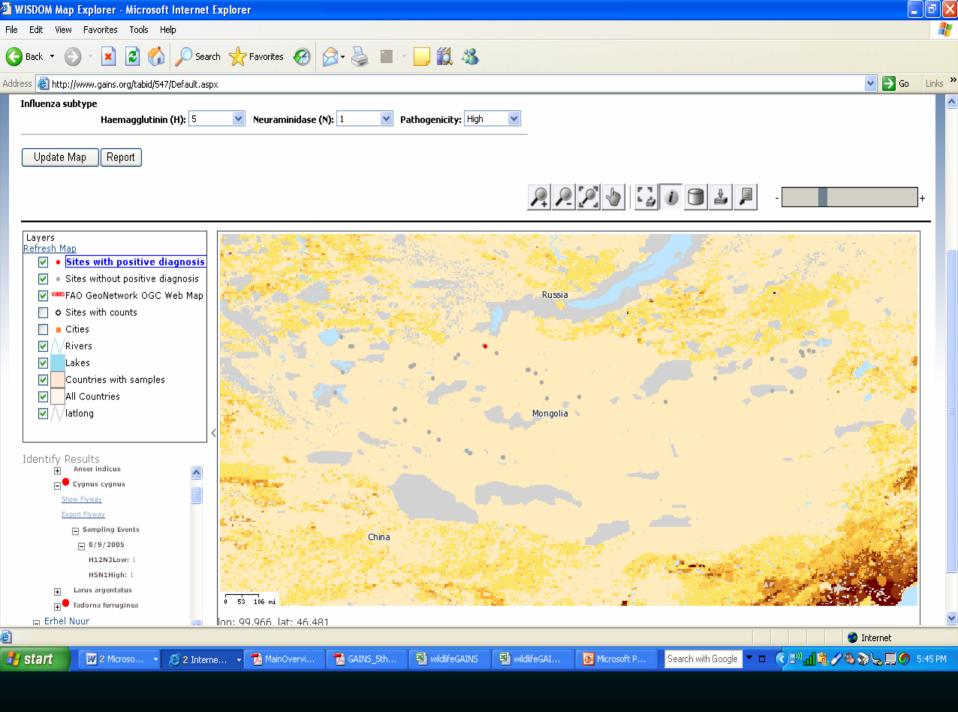


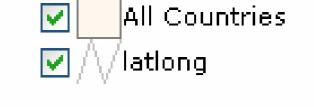


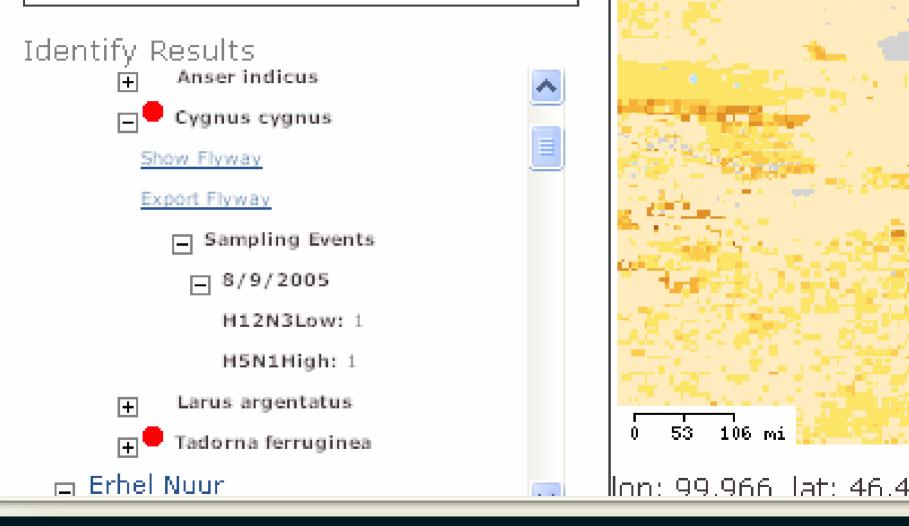


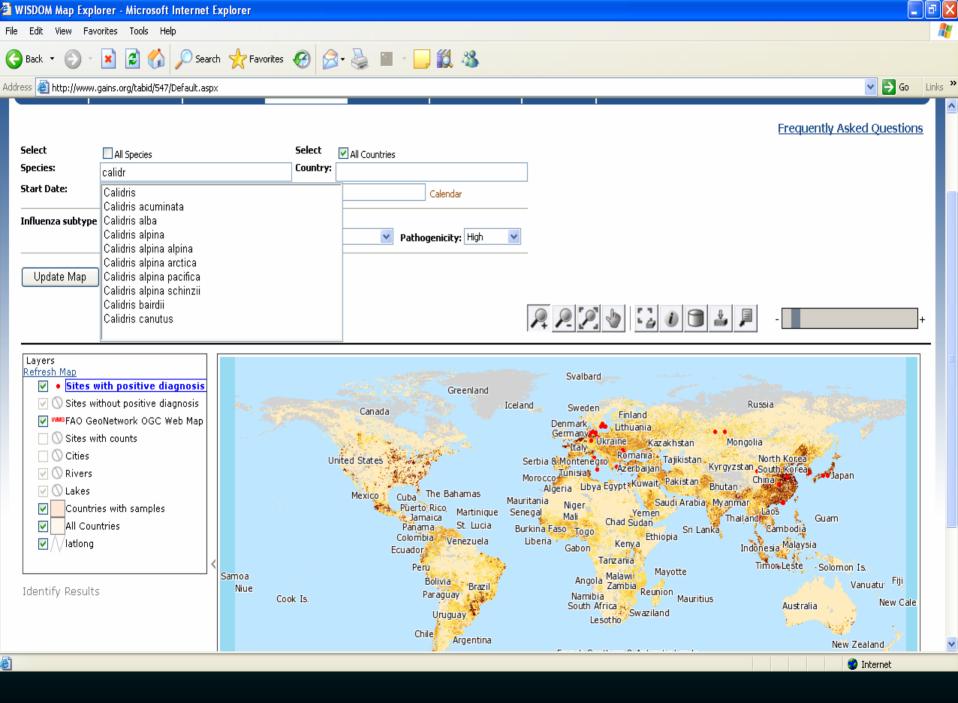


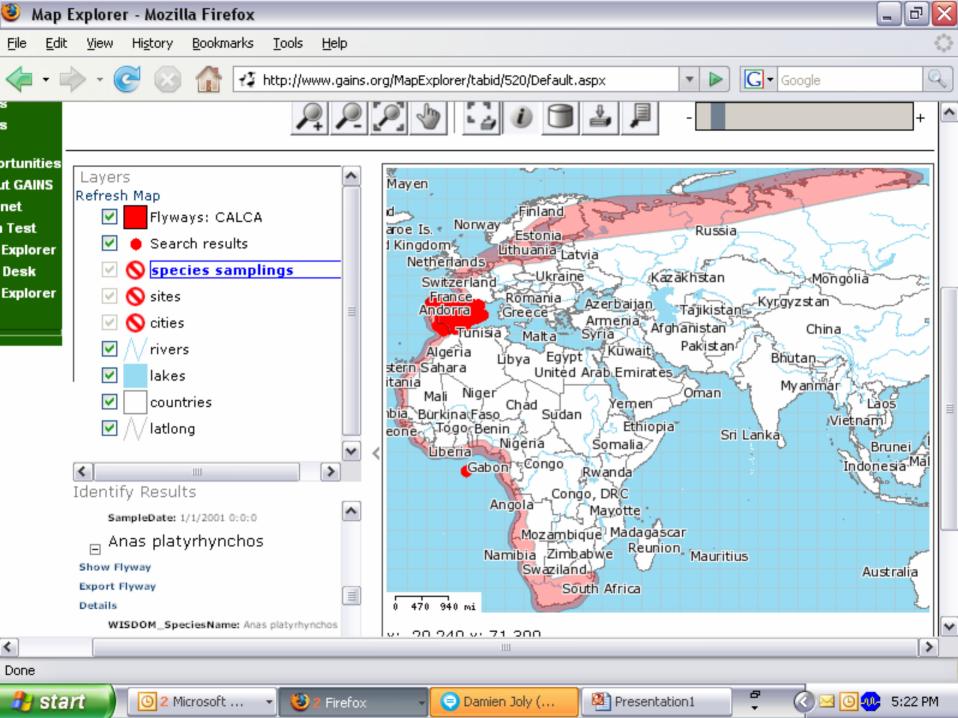
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One World, One Health

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29 September 2004 New York Symposium "Building Interdisciplinary Bridges to Health in a 'Globalized World'" 15 November 2004 Bangkok Workshop "Beyond Zoonoses: The Threat of Emerging Diseases to Human Security and Conservation, and the Implications for Public Policy"

15–17 November 2005 China Workshop

"Beyond Zoonoses: The Threat of Emerging Diseases to Human Health, Agriculture and Conservation: Implications for Public Policy"

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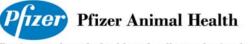
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