

Group II

Avian Health in Brazil at the Conservation, Business and Public Health Interface

PROJECT:

- Multidisciplinary
- Multi-institution
- Proactive
- Feasible
- Pragmatic



Justification:

Conservation aspects

- Brazil is
- third in avian species richness in the world (1804 species)
- first in number of endangered bird species (126)
- important for migratory routes



Public health aspects

- risk of zoonotic diseases
- food safety



Business/ industry aspects:

- wild birds established near poultry farms
- pathogens of great economic impact

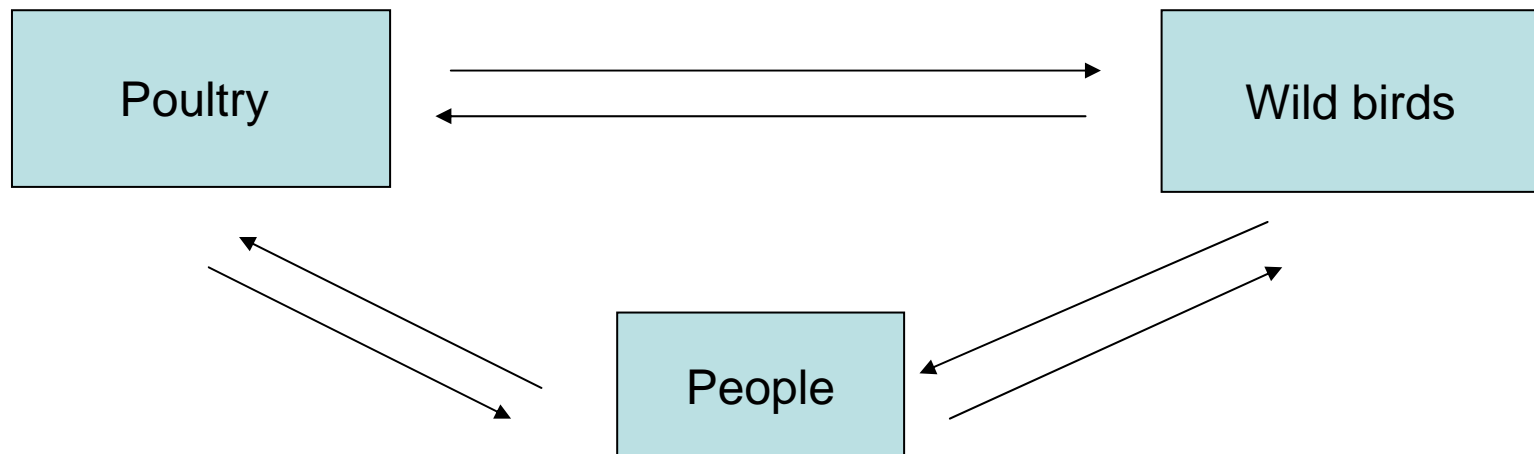


-RISK ANALYSIS

- Few countries in the world have done this process (significance of lack of risk analysis highlighted during recent HPAI outbreaks)
- Brazil: Poultry is one of the most important sectors in the country's economy (largest exporter in the world, second largest producer)
- Significance of Brazil in illegal trade of wild birds

-Specific analysis focused on:

1) Selected pathogens - those that affect:



- 2) Selection of sampling sites (depending on the objective of the study)
 - 1) Near poultry farms
 - 2) In communities
 - 3) etc

- 3) Classification of poultry operations (scale: family, community, commercial, industrial)

Triage centers, rehab centers, commercial breeding centers, zoos

- receive a large volume of native wildlife
- evaluate health status of birds at these facilities
- reintroduction/release protocols/programs
- mapping of routes of illegal trade



-Project number 2

-Identification and monitoring of migration routes

- Focus on high risk species (disease transmission)

- Satellite telemetry (problem of high costs)

- Lack of basic information for species migration from, to and through Brazil

- Identificação e monitoramento de rotas migratórias
 - Foco em espécies com alto risco de contaminação/transmissão – rádio telemetria/rastreamento por satélites (problemas de custo \$\$\$\$)
 - Falta de informação básica

Criação de Banco de dados:

- Existe uma deficiência de comunicação entre as partes envolvidas
- Importância de se avaliar a credibilidade das informações
 - Comitê técnico-científico (dinâmico)

Atores envolvidos:

Universidades

Institutos de Pesquisa

Laboratórios de referência

Governo (Federal, Estadual, Municipal)

ONGs

Associação de Classes

Indústria/setor produtivo

Associação de Produtores

Lideranças Comunitárias

Zoológicos

Centros de Triagem

Museus

Equipe Técnica:

- ecólogo, zoólogo, etólogo, bioestatístico, epidemiologista, infectologista, patologista, virologista, microbiologista, médico sanitário, veterinário, economista, sociólogo, advogado, técnico em informática, técnico em Geo-processamento, químico, jornalista, profissional de comunicação e marketing