



AVIAN INFLUENZA VIRUS - OFFICIAL SURVEILLANCE SYSTEM DEVELOPMENT IN BRAZIL (2006-2007).

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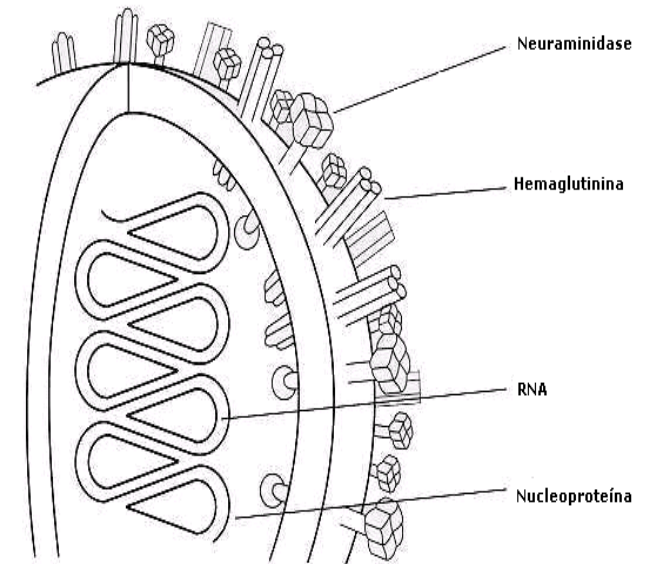
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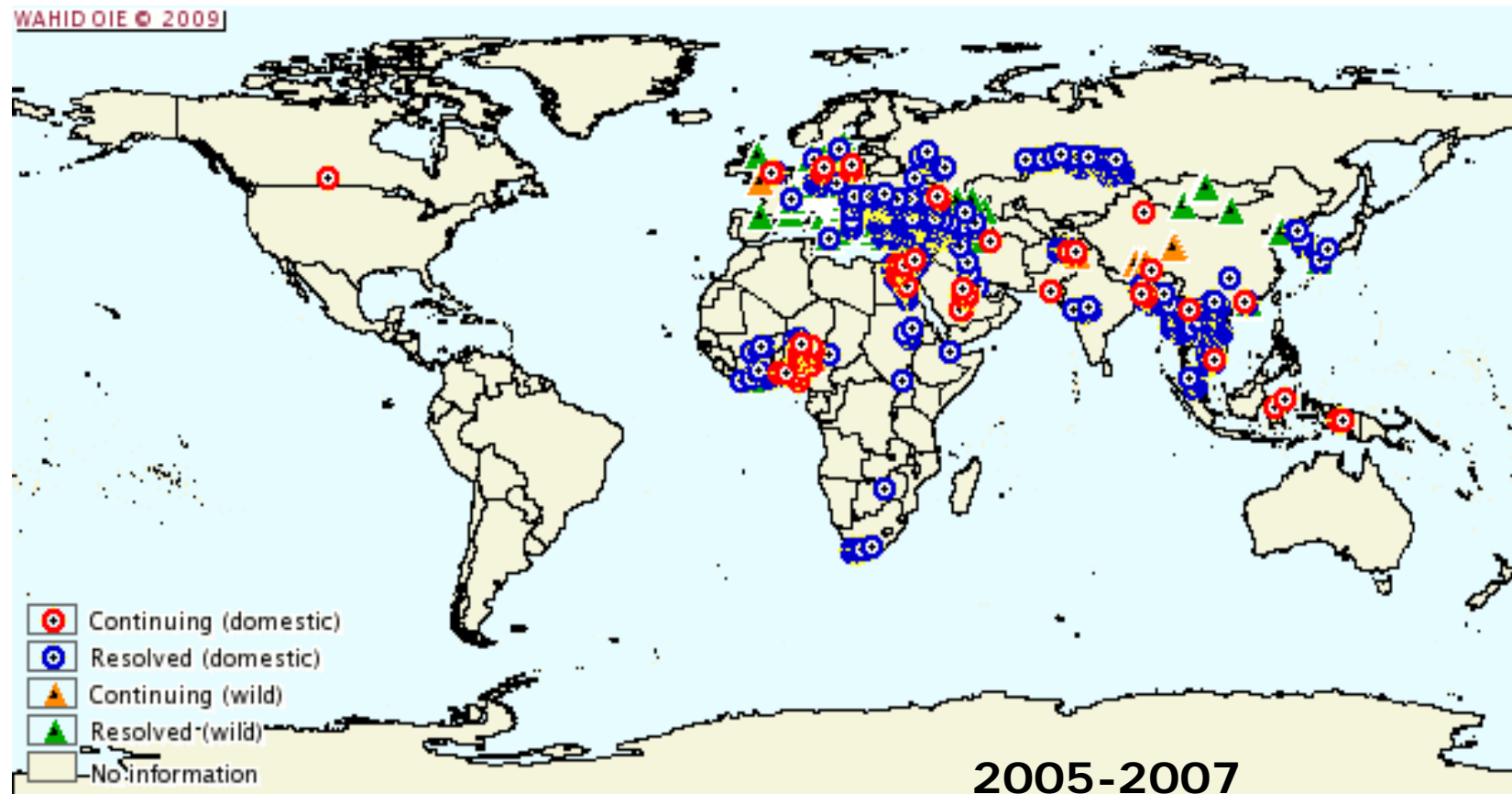
Introduction

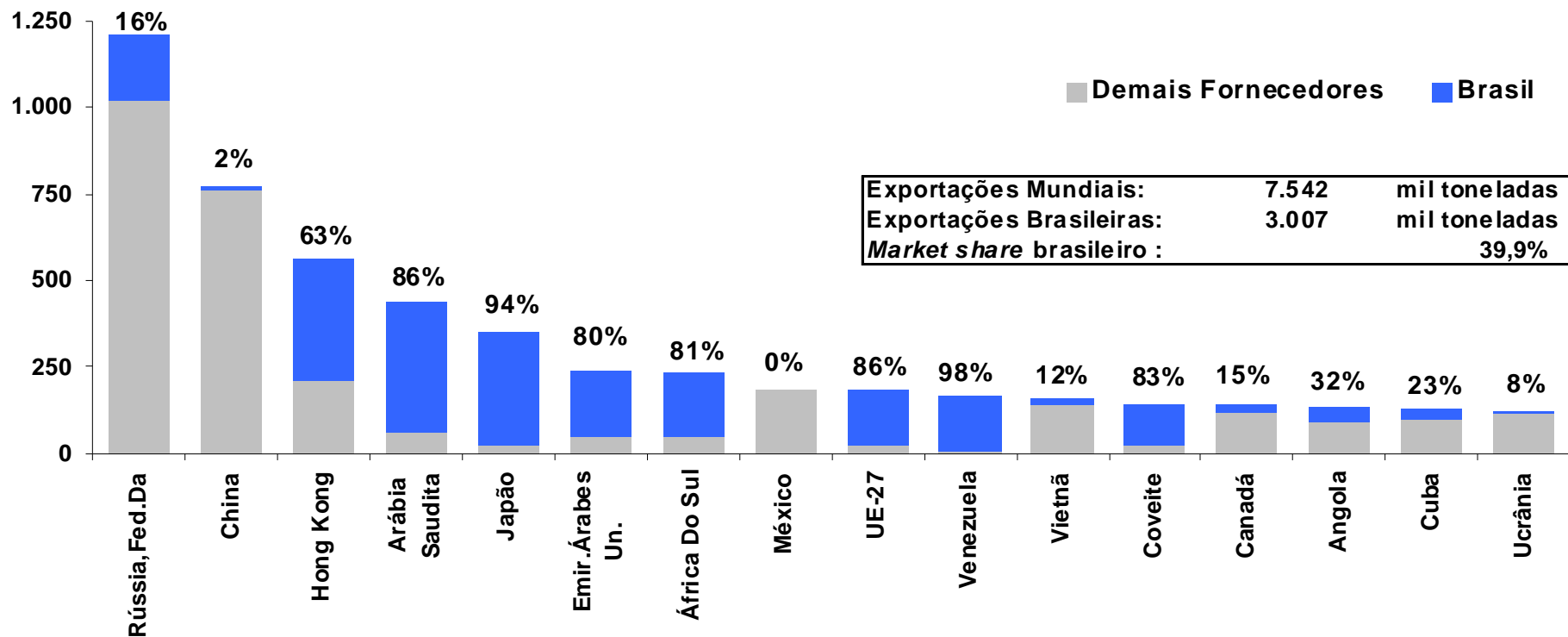
- Avian influenza
 - Influenza **A**, B e C – *Orthomyxoviridae*
 - Worldwide distribution
 - Respiratory infection
 - Mammals and birds
 - » (aquatics)
- **NAI** – **Notifiable Avian Influenza**
 - **HPNAI**
 - IPIV > 1,2
 - H5 or H7, IPIV < 1,2
 - **LPAI**
 - Others H5 or H7





Viral circulation H5N1





Fonte: Comtrade/ONU.

Notas: (1) Exclui o intra-comércio da UE-27.

(2) Consideram-se os países que enviaram os dados de 2007, que conjuntamente representam 94,1% do comércio mundial até 21/OUT/2008.



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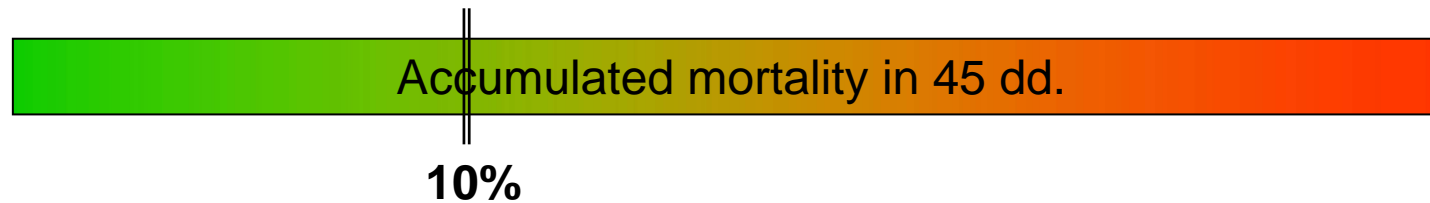




Surveillance system (2006-2007)

Commercial Poultry

Suspected cases under investigation



Movement control

Official veterinarians in slaughterhouse - SIF

Samples

Official veterinarians – Animal Health Defense System

30 serum samples

15 trachea swabs and 15 cloacae swabs (**pool**)

(prevalence 20%, 0,95%)

Each swab - 2 birds



Breeders

All birds and fertile egg imported

Quarantine

ELISA e IDGA

All batches in reproduction stage

Samples

Official veterinarians

30 serum samples

(prevalence 20%, 0,95%)



Wild birds

Charadriiforme and Anseriforme

Migratory birds sites

AP, PA, MA, RN, PE, BA, SP, MS, SC e RS
September 2006 to April 2007

Capture

Biometrics, Ringing
Cloacae swabs collection
LANAGRO SP
(-196° C)

All birds were released

Backyard poultry

10 Km around wetlands surveyed

Farms surveyed

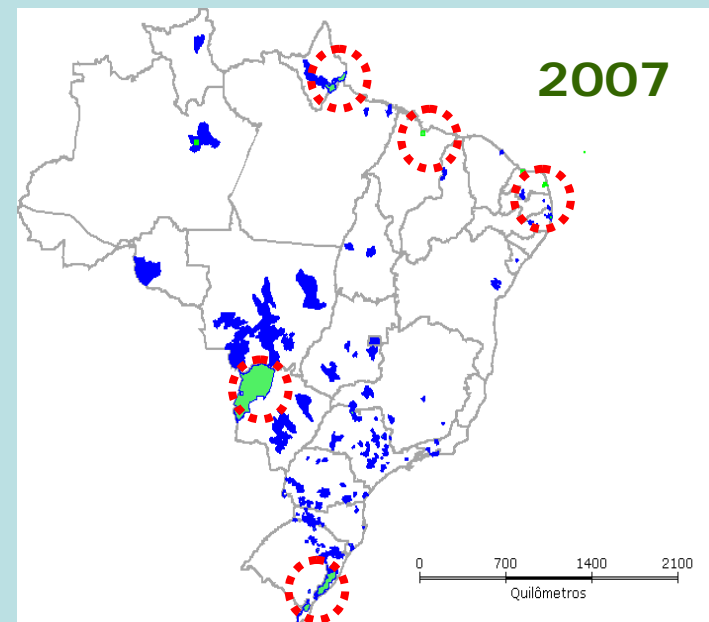
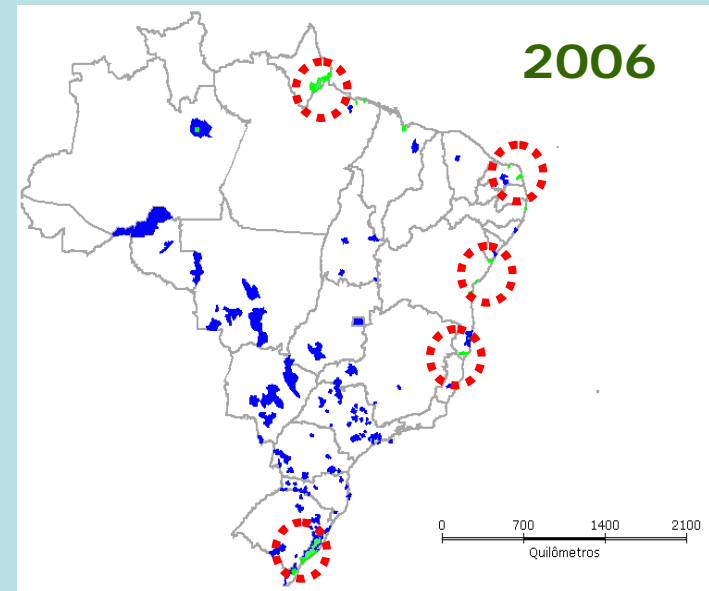
1% infection (0,95)

Samples

Cloacae swabs



- Commercial poultry
 - 3.736 cases investigated
 - 19.648 serum samples
 - 1.989 pools of swabs
- Breeders
 - 278 batches monitored
 - 10.480 serum samples
- Wild birds
 - 145 birds surveyed
- Backyard poultry
 - 3.075 farms investigated





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