

A PERSPECTIVE ON EQUINE INFLUENZA

Graeme Cooke
Director



Overview

1. The FEI as a Global organisation
2. The FEI International Equestrian Events and Growth Rate
3. What needs protecting? What is at risk?
4. Key issues, and needs with regard to the threat of Equine Influenza

Who we are

- 132 affiliated National Federations
- Each year approx 3500 international competitions are organised under FEI rules
- Only Olympic sport involving an animal
- Male & female riders share same podium







One World One Dream 同一个世界 同一个梦想 Beijing 2008 One World One Dream 同一个世界 同一个梦想 Beijing 2008 One World One Dream 同一个世界 同一个梦想











REINING SUPREME.



Altech FEI.
World Equestrian Games™
Kentucky 2010

KENTUCKY HORSE PARK • LEXINGTON, KENTUCKY USA • SEPTEMBER 25–OCTOBER 10, 2010 • www.feigames2010.org

FEI
WORLD CUP™ FINALS
LEIPZIG 2011

S Sparkasse
ig

S Finanzgruppe
Sachsen





SOME HEROES COME
ON HORSEBACK.



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Role Of FEI In Equestrian Sport

Protect the image and develop Equestrian Sport

Provide Rules, Regulations & Standards:

Control the technical organisation for all FEI events

- Including Standards, Welfare and Veterinary matters

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The Unique Partnership with the Horse Requires

RULES OF THE SPORT

Welfare Codes and Legislation

Doping and Medication Controls

OFFICIALS

Safety and injuries

VACCINATION, DISEASE CONTROL AND BIOSECURITY

Identification methods

INTERNATIONAL TRADE AND MOVEMENT OF HORSES

Education & Communication

REGULATIONS

FEI Communication Capability



- FEI Website - FEI.org
- Calendar of Events
- Annual Report
- FEI Press News (Weekly - FAX & email)
- Direct memos to National Federations
- Guidance notes

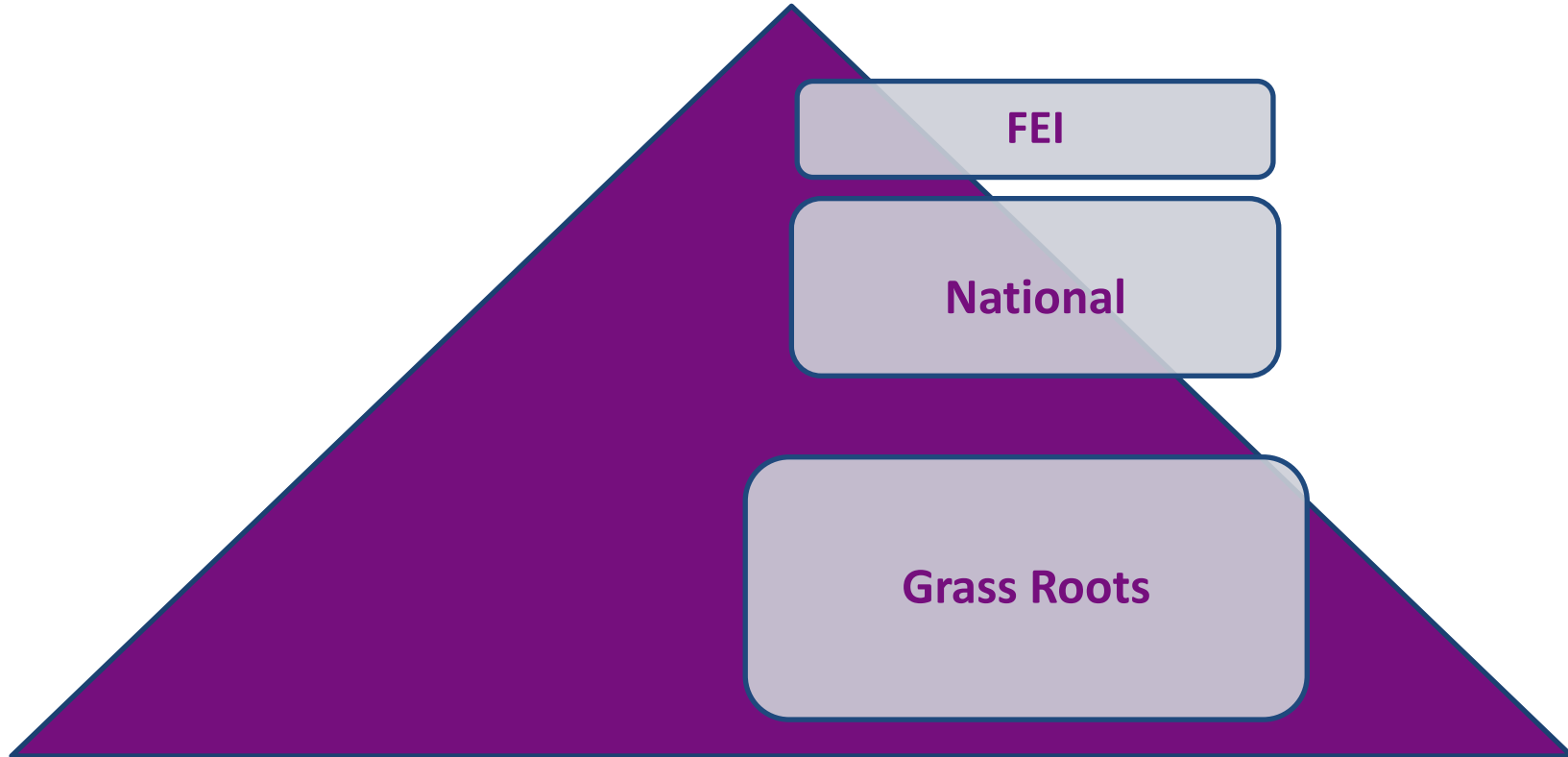


- FEI Focus
- Digital Media
- Social media
- NF Updates
- Direct mailing
- Training and Development Programmes
- Courses
- **REGULATIONS**

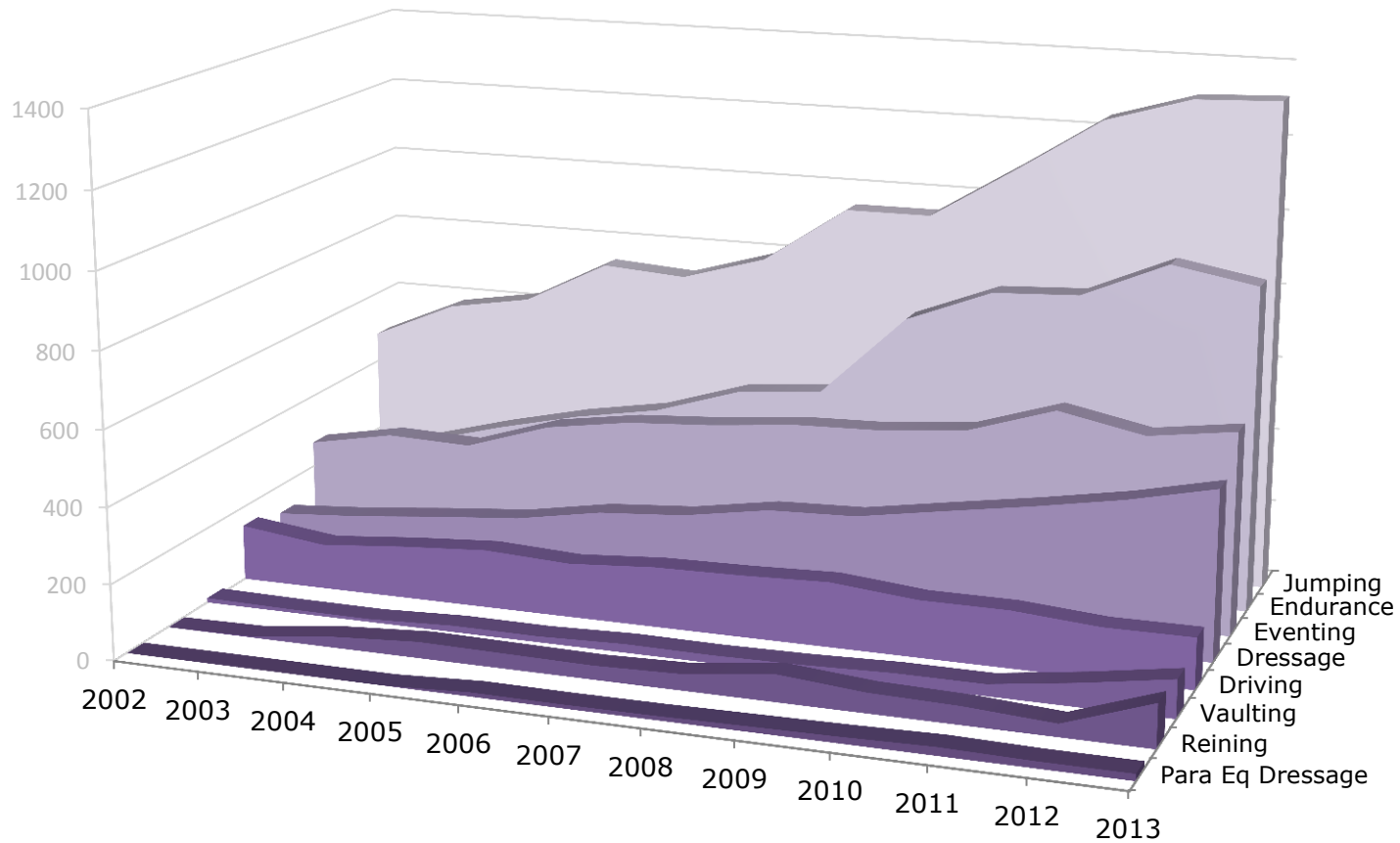


- Guidance notes
- FEI Veterinary.org
- FEI Veterinary Meetings at major events- Reports
- FEI Veterinary Seminars & Courses
- Direct memos to National Federations
- FEI Directory
- National Head Vets
- FEIvet.com (planned)

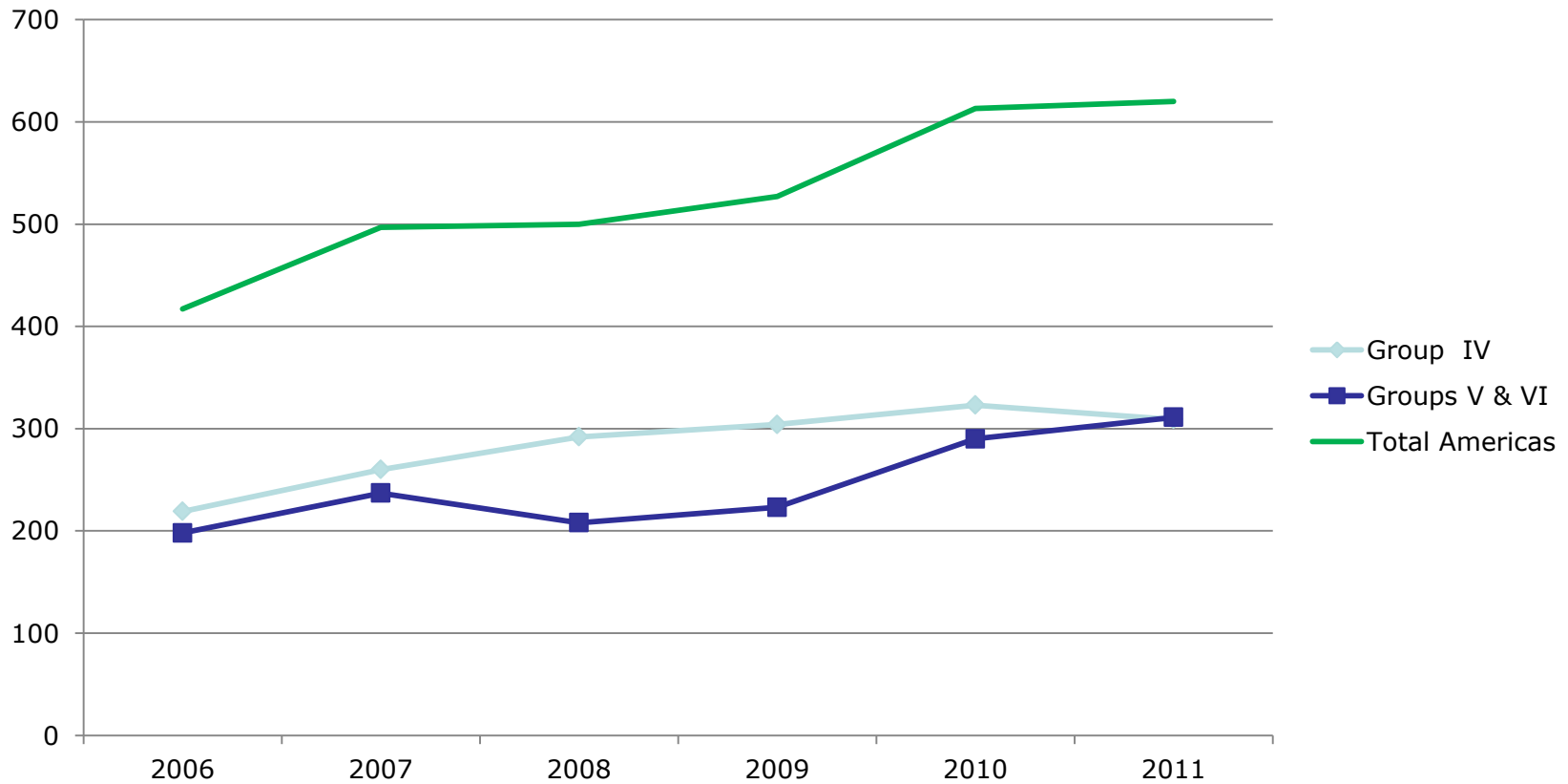
Influence Throughout The Horse World



FEI Events 2002 - 2013 by Discipline



Growth in the Americas



Economic and Social benefits of the Equine Industry



SIGNIFICANT CONTRIBUTOR TO THE ECONOMY



SIGNIFICANT EMPLOYER



SUPPORT IN PRESERVATION OF THE COUNTRYSIDE



POWERFUL TOOL FOR SOCIAL INCLUSION AND COHESION

The Equine Economic Effect

- **Germany** , Aachen WEG – 160 Million Euro locally for one event
 - **Pan American Games 2011 , Mexico** - 100 millions of Pesos
 - **UK** equestrian sector is the largest sporting employer in the **UK**
 - Indirect employment 220 – 270 000, Greater than UK farming
 - **EU Equine Industry over 100 billion Euros** per year; horse riders growing by 5% per annum, contributed **with** more than **1.6 billion Euros to government taxes and 400000 jobs**
 - **Hungary** – The KINCSEM Horse Cluster - most jobs from horses
 - **Ireland** Punchestown, 100,000 spectators a year over 3 days
 - 43 million euros worth for the local economy
- EVERY 5 HORSES CREATES ONE JOB**

THE FEI EVENT

Be part of the glory,
book your packages now!

ALLTECH FEI WORLD EQUESTRIAN GAMES™

2014 IN NORMANDY-FRANCE

8 DISCIPLINES . 15 DAYS . 60 NATIONS . 1000 CHAMPIONS

FROM 23 AUGUST TO 7 SEPTEMBER

MONT SAINT-MICHEL . SAINT-LÔ . CAEN . LE PIN NATIONAL STUD . DEAUVILLE

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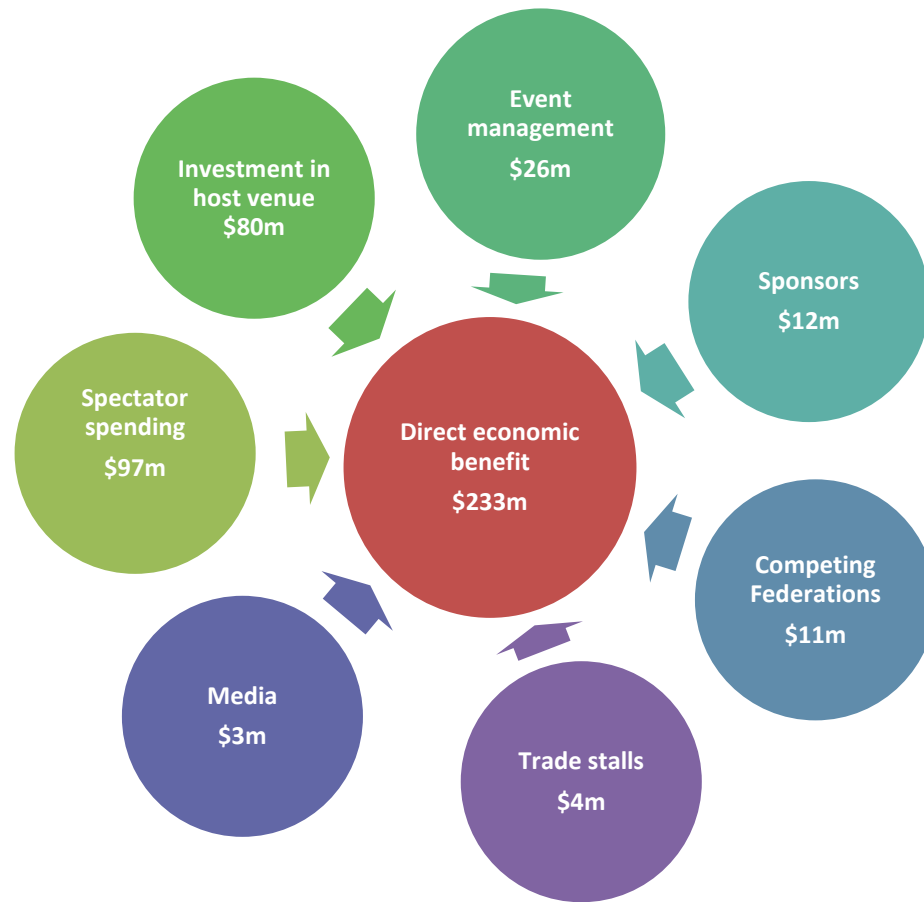
francetv sport



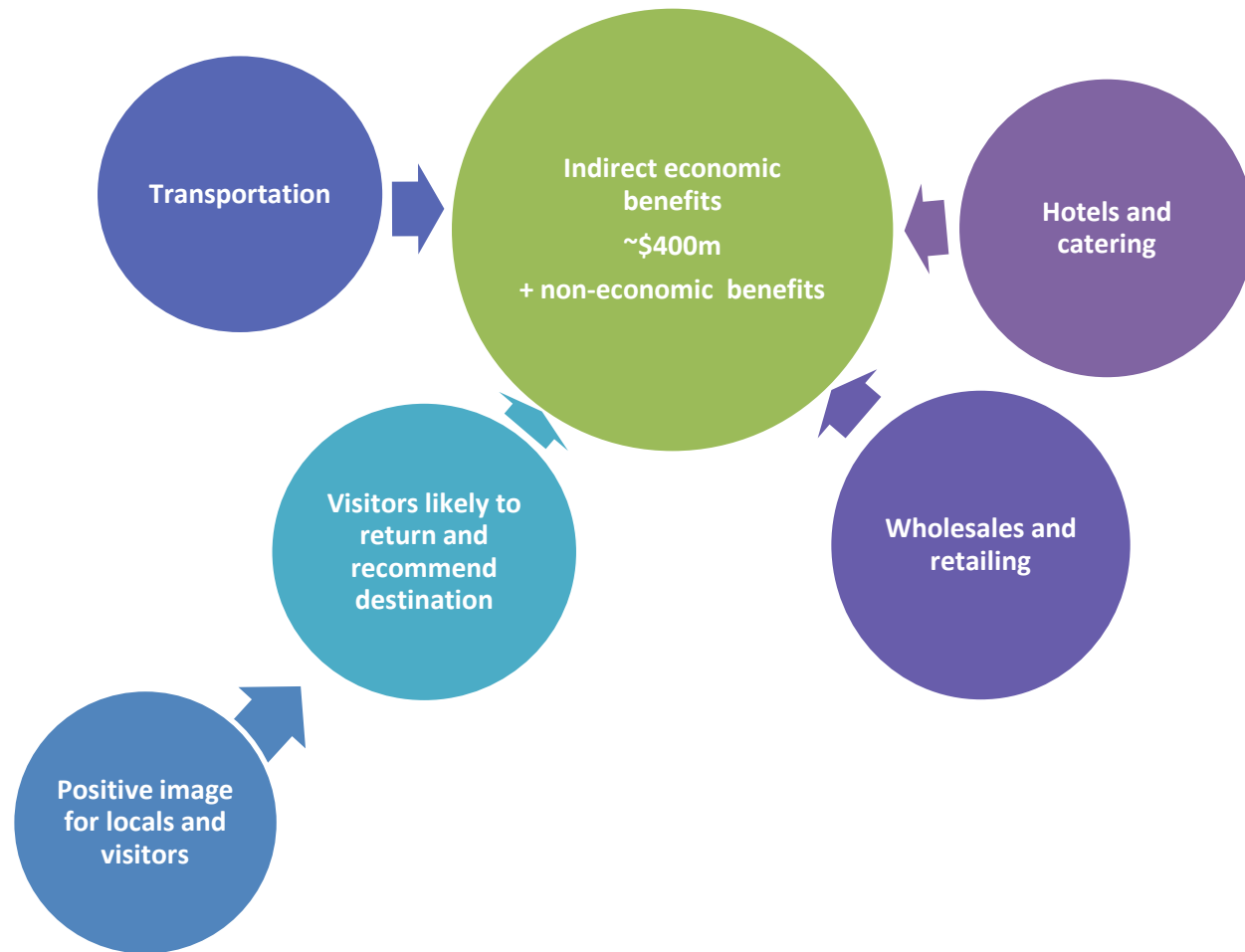
FEI
Fédération
Equestre
Internationale



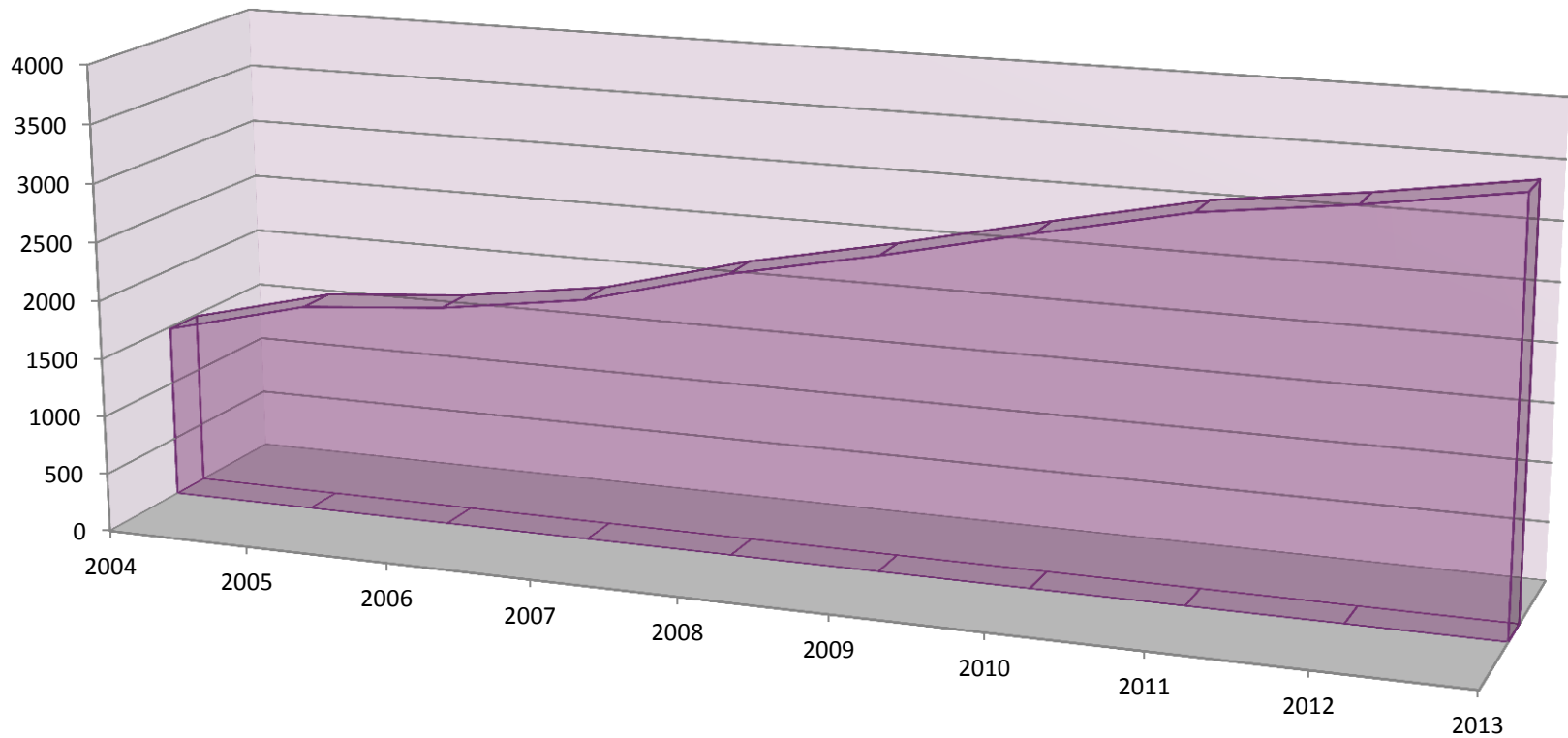
Direct Revenues from a World Games



Indirect Revenues from a World Games



Number of FEI Events



16 DAYS
8 WORLD CHAMPIONSHIPS
1 WORLD-CLASS EVENT



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2010 World Equestrian Games

Riders: 800 plus

Nations: 60+

Horses: 1000 plus

Spectators: 500'000

TV 250-400 M

FEI Judges: 130

Veterinarians: 140

Grooms: 960

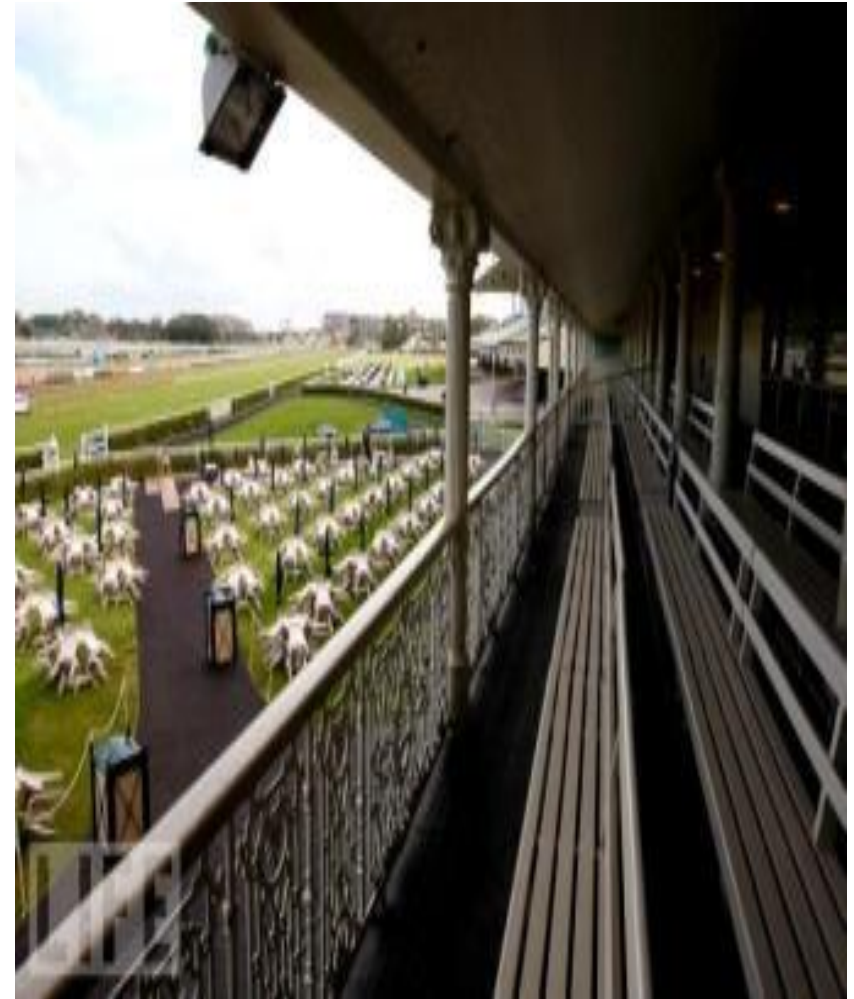
Accreditations: 12,500

Volunteers: 2,000









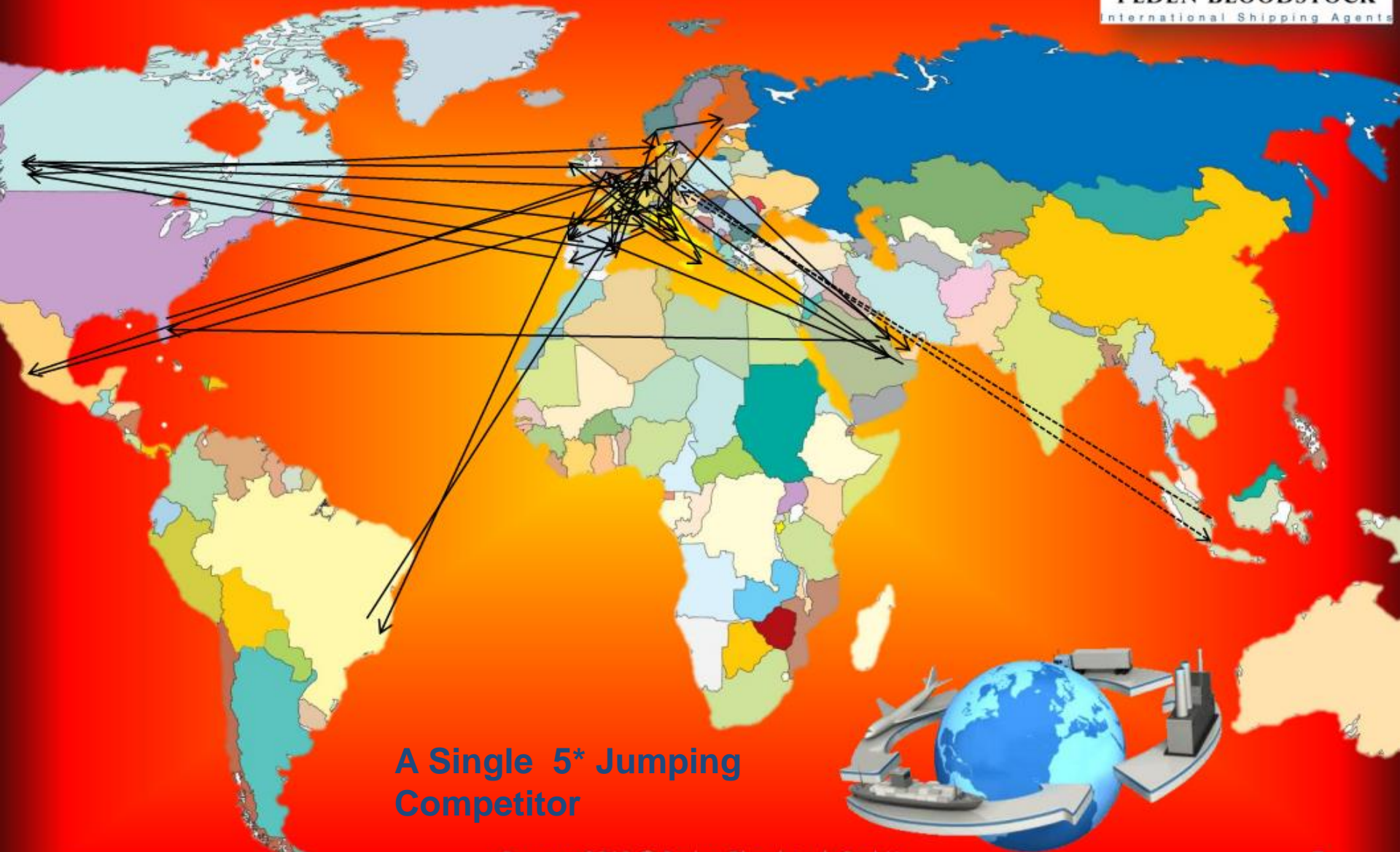
GROWTH OF EQUINE MOVEMENTS



CSI5* EVENTS 01.01.2011 – 31.12.2011

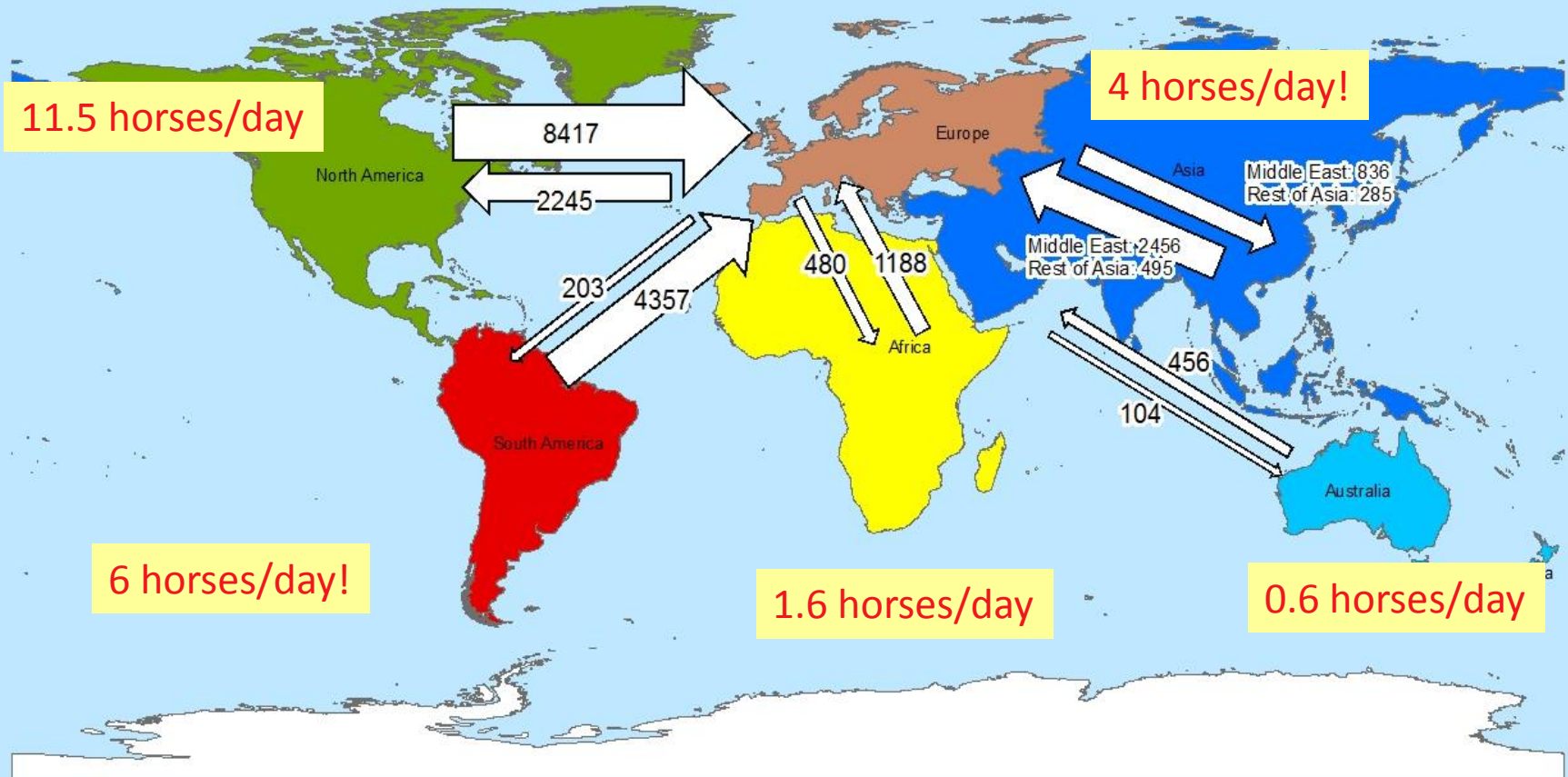


PEDEN BLOODSTOCK
International Shipping Agents



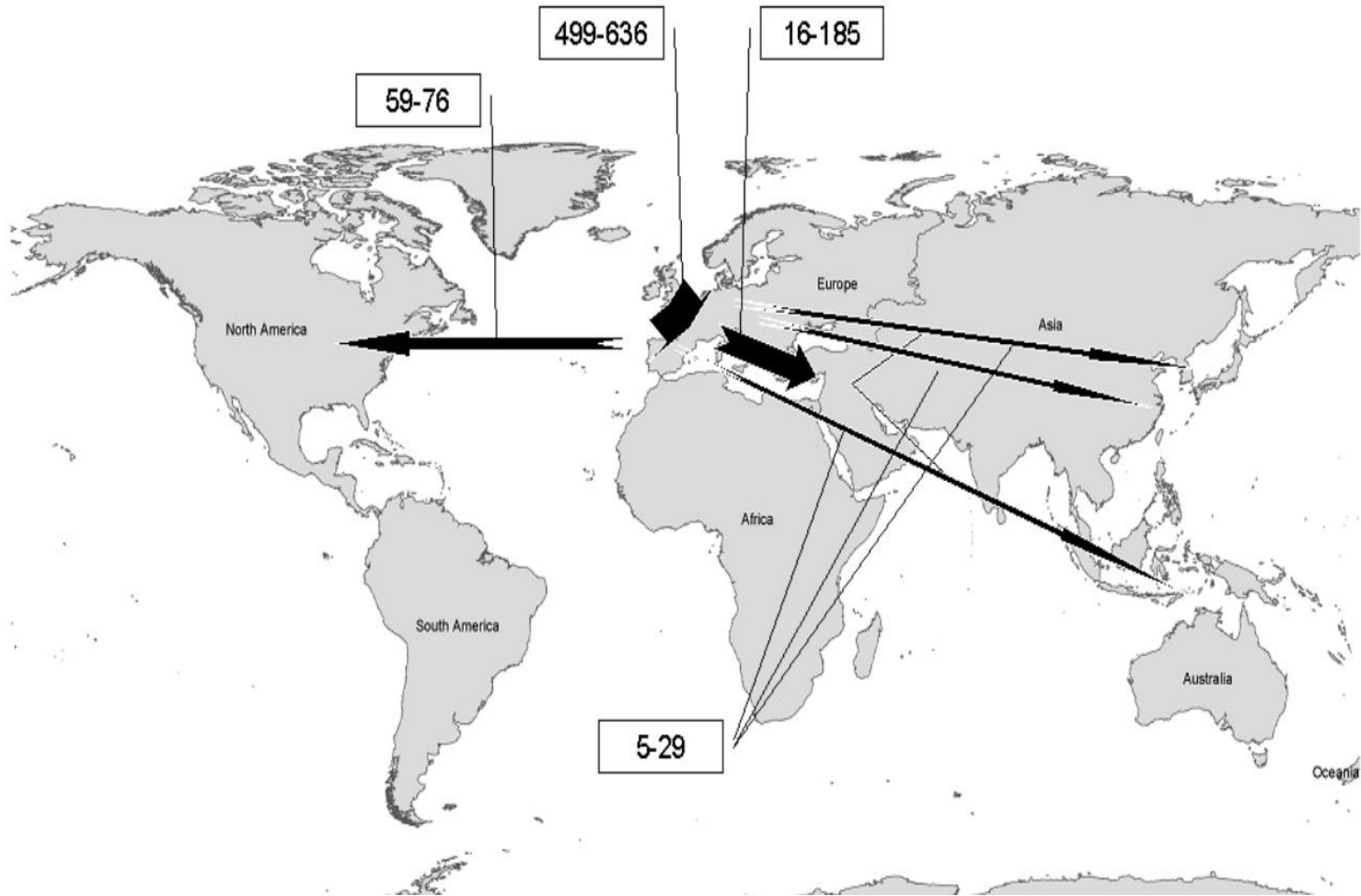
**A Single 5* Jumping
Competitor**

Worldwide movements of horses from and to the European Union and the EFTA States in 2009 and 2010



24 horses to EU per day!

International Races



ASIAN GAMES 2010

Disease-free Zone:

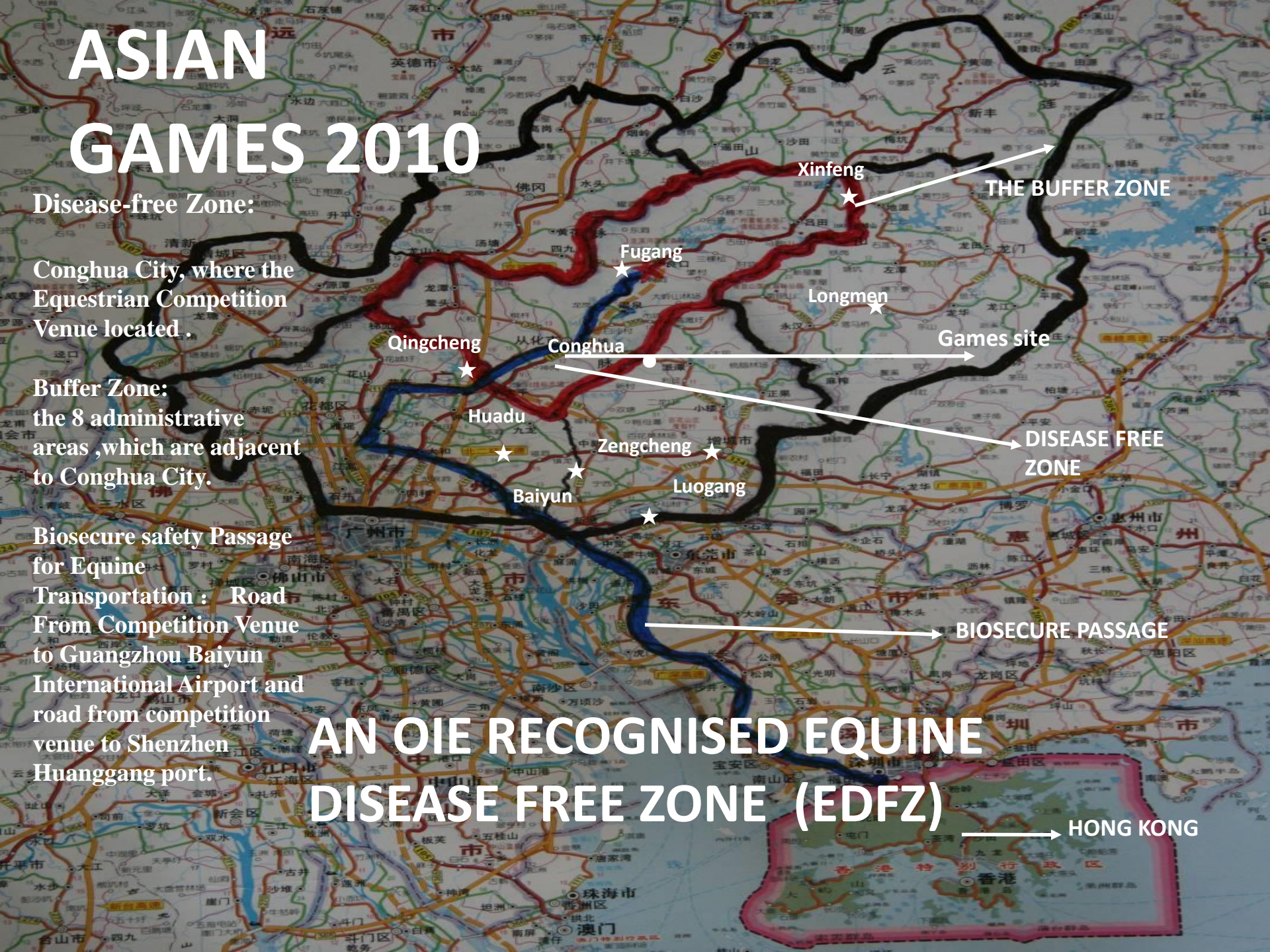
Conghua City, where the Equestrian Competition Venue located.

Buffer Zone: the 8 administrative areas, which are adjacent to Conghua City.

Biosecure safety Passage for Equine

Transportation: Road From Competition Venue to Guangzhou Baiyun International Airport and road from competition venue to Shenzhen Huanggang port.

AN OIE RECOGNISED EQUINE DISEASE FREE ZONE (EDFZ)



Xinfeng

THE BUFFER ZONE

Fugang

Longmen

Games site

Qingcheng

Conghua

Huadu

Zengcheng

Baiyun

Luogang

DISEASE FREE ZONE

BIOSECURE PASSAGE

HONG KONG

Temporary Quarantine Cincinnati Airport 2010



THE FEI HORSE

**An International High Performance Horse
under strict Controls**

FEI Passports



FEI Passport no. / Numéro du passeport FEI / Número del pasaporte FEI DEN 02686			Signature of Secretary General and stamp of National Federation Signature du Secrétaire Général et cachet de la Fédération Nationale Firma del Secretario General y sello de la Federación Nacional Dansk Ride Forbund		
Name of horse / Nom du cheval / Nombre del caballo MISTRAL HEJRE'S					
Changes of name & dates / Changements de nom et dates / Cambio de nombre y fecha					
Year of birth Année de naissance Fecha de nacimiento 1995	Country of birth Pays de naissance País de nacimiento DENMARK	Height (of pony) see accompanying certificate: Taille au garrot (du poney) mentionnée sur le certificat ci-joint: Altura al cruz (del pony) indicada en el certificado adjunto: 172.7 cm.	Breed and registration No. / Race et numéro de stud-book Raza y número del registro genealógico 9500956 DK DK		
Sex / Sexe / Sexo gelding	Colour / Robe / Capa Chestnut		Sire / Père / Padre MICHELLINO DAH 542 DK DV	Dam / Mère / Madre VIRGINIE DAH 1921 DK DV DA	
Sire of Dam / Père de la mère / Padre de la madre 18554 DA 262 DK DV DA					
Description/Signalement descriptif/Senas descriptivas					
Use block capitals only Ecrire en majuscules Escribir en mayúsculas					
Head / Tête / Cabeza <i>Star, containing double whorl above upper eye level, composed some to wing of both nostril. Big flesh on the lower lip</i>					
LF / AG / AI <i>White to below nose white hoof</i>					
RF / AD / AD <i>white to mid cannon white hoof</i>					
LH / PG / PH <i>white to hoof chestnut spot coronet, white and black hoof</i>					
RH / PD / PD <i>white to hoof white hoof</i>					
Body / Corps / Cuerpo <i>few white hair right quarters, back of the profts clean left forelegs</i>					
Additional ID/Identification supplémentaire/Identificación adicional:					
Micro Chip/Micro plaquette		Brand/fer rouge/hierro ardiendo <i>left basket not readable</i>	Other/autre/otro		
Outline diagram Signalement graphique Reseña gráfica					
Signature and stamp of veterinarian Signature et cachet du vétérinaire Firma y sello del veterinario			Jens Kristoffersen DVM, Ph.D. DK-8420 Knebel +45 8635 1777 <i>Knebel 1992-04</i> Place & date/lieu et date/Lugar y fecha 		

Horse Inspections & Examinations

Essential To FEI Competition

- **Passport Control and Health Check**
 - biosecurity and Influenza vaccination checks
 - establish horse identity
- **Veterinary Examinations**
 - clinical examination to establish health
 - Check for possible disease
- **Horse Inspections**
 - ensuring horses are fit to compete



FEI Influenza Regulations



92

VACCINATION RECORD : EQUINE INFLUENZA ONLY
 Details of every equine influenza vaccination which the horse undergoes must be entered clearly and in detail, and certified with the name, signature and stamp of the veterinarian.

ENREGISTREMENT DES VACCINATIONS : GRIPPE ÉQUINE SEULEMENT
 Toute vaccination subie par le cheval doit être portée dans le cadre ci-dessous de façon lisible et précise et certifiée avec le nom, la signature et le cachet du vétérinaire.

REGISTRO DE VACUNAS : GRIPE EQUINA SOLAMENTE
 Todas las vacunas recibidas por el caballo, así como el nombre y la firma del veterinario, deben figurar de manera clara y detallada en el cuadro siguiente.

Date Fecha	Place and Country Lieu et Pays Lugar y País	Vaccine / Vaccin / Vacuna			Name, signature and stamp of official veterinarian Nom, signature et cachet du vétérinaire officiel Nombre, firma y sello del veterinario oficial
		Name Nom Nombre	Batch number Numéro du lot Número de lote	Route ¹ Mode ¹ Via ¹ i.m./i.v.	
15.07.11	Os de Balaguer	Fluvac T	110BYA05A 08 JUL 12	i.m.	

FEI Vaccination Regulations

Equine Influenza (EI)

Primary Course: 2 vaccinations: 21-92 days apart

First Booster: 7 calendar months

Booster Vaccinations:

a) minimum every 12 months

b) Horses competing:

within 6 months +21 days (not within the 7 days) before arrival at the Event

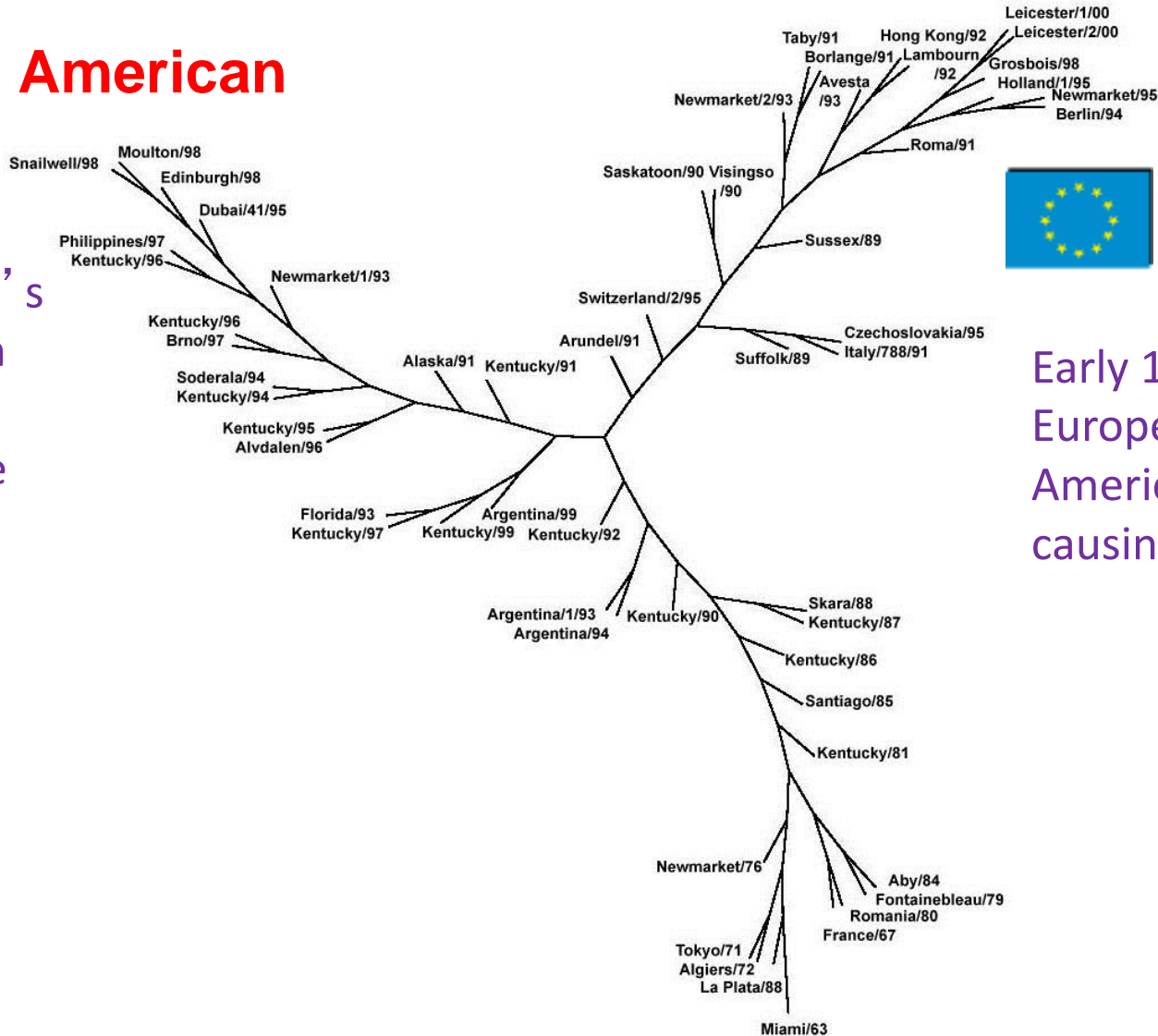
Key issues, and needs with regard to the threat of Equine Influenza

HA Phylogenetic Tree Up To 2000



American

Late 1990's
American
lineages
dominate



European

Early 1990's
European and
American lineages
causing disease

HA Phylogenetic Tree 2010 – Continuing Evolution Of American Lineage

Clade 2

Florida sublineage
(A/eq/Newmarket/5/03)

Clade 1
Florida sublineage
(A/eq/Ohio/1/03)



American
(A/eq/Newmarket/1/93)



European
(A/eq/Newmarket/2/93)

A/eq/Miami/63

OIE Influenza Expert Surveillance Panel Recommendations

- 1995 Representatives of both American and European lineages should be included in vaccines **Newmarket/1/93 or Kentucky/94 and Newmarket/2/93 or Suffolk/89**
- 2004 Update American lineage to **S. Africa/03 or Ohio/03**, no change ref European strain
- 2010 Include American **Florida sublineage Clade 1 and Clade 2** strains, no need to include European lineage strains

Equine Influenza Concerns

- All European countries have widespread influenza vaccination but not sufficient to provide protection at population level
- Equine influenza vaccines are updated too slowly
- Strains with sufficient antigenic differences cause significant disease in vaccinated horses e.g. **Newmarket in 2003, Normandy 2012**
- OIE recommended Clade 2 not included in commercial vaccinations – many reasons given
- Manufacturer Regulatory Fastrack not available in past
- Industry proactivity has been slow – but must change



Acknowledgments

- European Commission (EU)
- Peden Bloodstock (GER)
- Dr Connie Herholz, Berner Fachhochschule (CH)
- Dr Des Leadon, Int Thoroughbred Breeders Association (IRL)
- London Organising Committee Olympic Games
- World Animal Health Organisation (OIE)
- Royal Veterinary College London

SUMMARY

- ✓ **Now More Movements and Competitions than ever**
- ✓ **Need to include American **Florida sublineage Clade 1 and Clade 2** strains**
- ✓ **Find a way for manufacturers to introduce updated vaccines easily**
- ✓ **Industry awareness and Biosecurity awareness essential**

FEI Contact and Information

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Fax:+41 21 310 47 60

Website

www.fei.org

**THANK
YOU**

The logo for FEI (Fédération Equestre Internationale) is displayed in a stylized purple font. It features the letters 'f', 'E', and 'I' with a small dot above the 'f'. A trademark symbol (TM) is located to the right of the 'I'.

FEI™



Thank you for your attention



f·E·ITM