

INNOVATION IN LIVESTOCK PRODUCTION: FROM IDEAS TO PRACTICE

31 AUGUST - 4 SEPTEMBER 2015 WARSAW, POLAND

S26 - INNOVATION AND RESEARCH FOR DEVELOPING THE HORSE SECTOR EQUINE PRACTICE IN SCIENCE Top down session - Joint with EHN

Equine Practice into science what does this mean?

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General Context

TRANSFER OF KNOW-HOW AND EXPERIENCE FROM SCIENCE TO PRACTICE



LIMITS



Exigencies coming from practitioners

- Difficult comprehension
- Difficult application in the field









Coat color

Rationing

BLUP Performance test

Artificial Insemination (1st step)
Cloning (2nd step)

Genomic











In the past...

horse people

- \rightarrow was not interested
- → didn't know and didn't use results (exception in few countries)
- → didn't trust in research
- → didn't feel understood
- \rightarrow didn't want to invest money

horse researchers

- ➤ Were not interested into know-how transfer
 - Scientific results were finalized just to publication on scientific journals











General Context

Missing collaborations resulting in

- missing synergies
- financial limitations
 - lack of trust
- isolation from practice

- concurrence situations
 - financial exclusivities
 (industry, sponsorships, foundation..)
- interdisciplinary approach =
 domination of specialists (vets,
 nutritionists, etc.)











- Reduction of the knowledge gap
- Dissemination and transfer of knowledge
 - > Transfer of technology

Science ↔ Practice ??









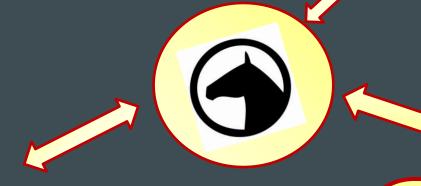
From 1998 on...

Fundamental changes in the Horse Commission structure



- high quality sessions
- relevant and active working groups

Research



Stimulate interdisciplinary research

Transfer of know-how Education











Progressively.....



Some selected sessions of the EAAP Horse C. program



EAAP
Special Issues



Constitution of Working Groups

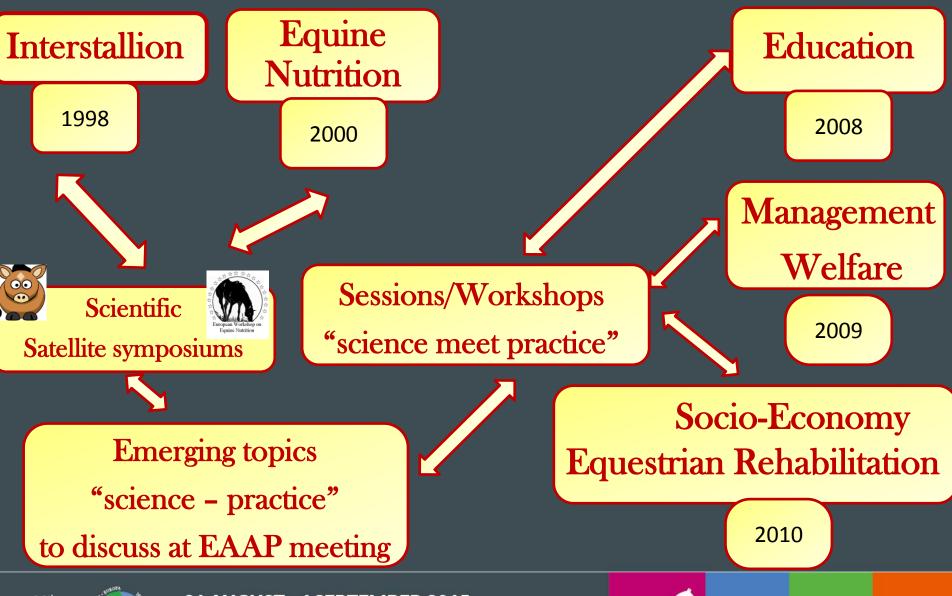








Horse Commission - Constitution of Working Groups

















Horse Commission - Constitution of Working Groups

most important platform for equine research

- ✓ scientific part
- ✓ interdisciplinary scientific approach
- ✓ interdisciplinary collaborations

more collaborations between research institutions and associations

- ✓ joint workshops science practice
- ✓ emerging topics











Workshops

"science meet practice"

Demand side persons connected to the horse world

link research and practice to limit the "gap" between them

promote improvement in equine services

disseminate the latest knowledge across the sector at a global and European level

Supply side

goods and services that perform business and professional activities











Horse Commissions Workshops "science meet practice"

60th EAAP meeting, Barcelona, 2009

Performance Horse. Open questions and challenges for research and practice

61st EAAP Meeting, Heraklion, 2010

Role of equids in socio economy and on human wellbeing

62nd EAAP Meeting, Stavanger, 2011

Equine Science Education Workshop

63rd EAAP Meeting, Bratislava/Slovakia, 2012

Genomics and horse production: from science to practice

64th EAAP Meeting, Nantes 2013

The new equine economy: growth in new sectors and activities in the 21st

65th EAAP Meeting, Copenhagen 2014

Know-How and future challenges for developing the Horse Sector in Europe (EAAP-ASAS)

The horse as key player of local development: looking to the future in the 3rd millennium

INNOVATION AND RESEARCH FOR DEVELOPING THE HORSE SECTOR (EAAP-EHN) /2015







Key Words Science meet practice

STARTING TOPICS

NEW ITEMS

- ✓ Genetics/biotecnology
- ✓ Nutrition and feeding
- ✓ Management, Health, Welfare
- ✓ Reproduction

- ☐ Socio-economic research
- ☐ Integration of horse in society
 - ☐ Horse welfare
 - ☐ Livestock and Sustainable
 Agriculture
- exploitation of marginal lands
 - safeguard of landscape
 - ☐ Therapeutic riding
 - ☐ Milk production











HORSES ARE PART OF TERRITORY MANAGEMENT

Preservation
of the
environment,
landscape and
output from
grassland

Preservation of livestock biodiversity

Products Quality Agritourism

Relationship
between citizens
and cultural
rural life

Preservation of traditional socio-cultural life

The horse as a key player of rural development

A CHALLENGING ISSUE



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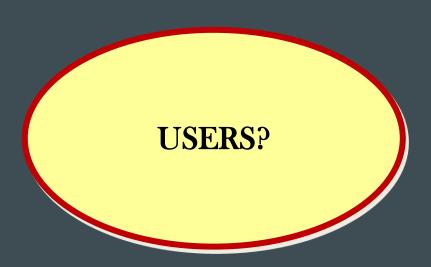






















PLAYERS

International

INTERNATIONAL RESEARCH (cooperation

between countries)

PRACTICE



ASSOCIATIONS FEDERATIONs

National

NATIONAL RESEARCH

PRACTICE

UNIVERSITIES

FEDERATIONS
State National
Studs











USERS

Breeders

Trainers Breakers Owners
Riders
Riding
schools

Citizen

Production

Transformation

End-users

Society

Studbooks
Breeding associations
Private companies
Racing societies

Professional associations
Private companies

Professional
associations
Sport federations
Racing societies
Event organization
Technology
companies
Sport Competition
Equestrian Tourism

Individual or Associations











USERS

Main activities

New activities

Niche activities

Horse industry

- Races
- Sports
- Leisure
- Hobby farming
- Sport facilities
 - Equipment

- Socio cultural events
 - Agritourism
 - Medical therapy
- Social rehabilitation

Meat or milk









Technical & Socio economic evaluation of the chain components

Sectors

- Actors
- Products
- Structure



dynamic

Structures

- Production
- Utilisation



Technical

Tools for decision

Territories activities

- Role
- Practices



Jobs Employment

- Identification
 - Evolution



economic indicators
Data / network
Modelling of data

Territories utilization

Dynamics of the systems











USERS

Associations/

Federation Societies Industries

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NEEDED RESEARCH





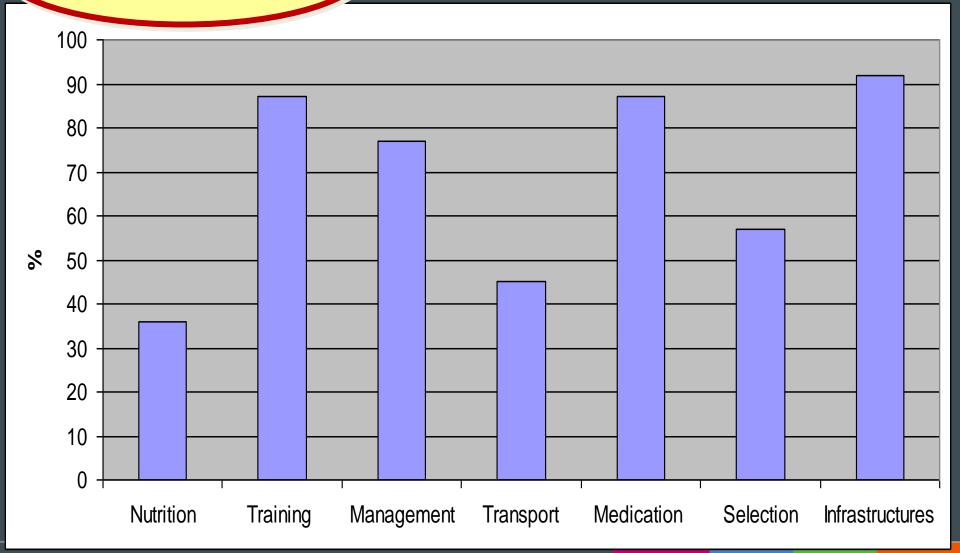






NEEDED RESEARCH

Priorities in the view of 23 team vets:













NEEDS OF THE HORSE INDUSTRY		
	2007/2008 (n=142)	2009 (n=115)
Diseases	3.65	3.56
Education of young horses	3.63	3.33
Selection of young horses	3.59	2.94
Welfare	3.58	3.48
Nutrition and food production	3.58	3.32
Fertility	3.52	2.69
Training of horses	3.52	3.45
Prevention	3.50	3.63
Behavior	3.49	3.35
Selection tests	3.36	2.75
Horse keeping and animal protection	3.25	3.34
Sociology/ Human sciences	2.99	2.49
Economics	2.83	2.80
History of the horse	2.74	1.97



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4= big interest 1= no interest



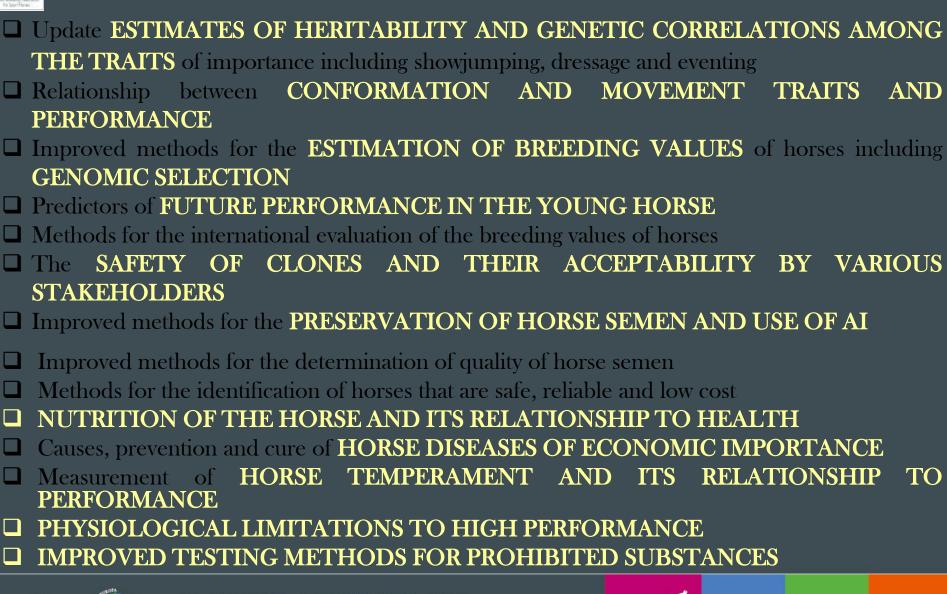








WBFSH expectations from Research















Current hot topics for EHN

- Animal health / exotic viruses / surveillance
 - Transport / Identification
 - Financing of sport
 - Practice of sport
 - VAT, taxation
 - Welfare
 - Economic development
 - Education of judges

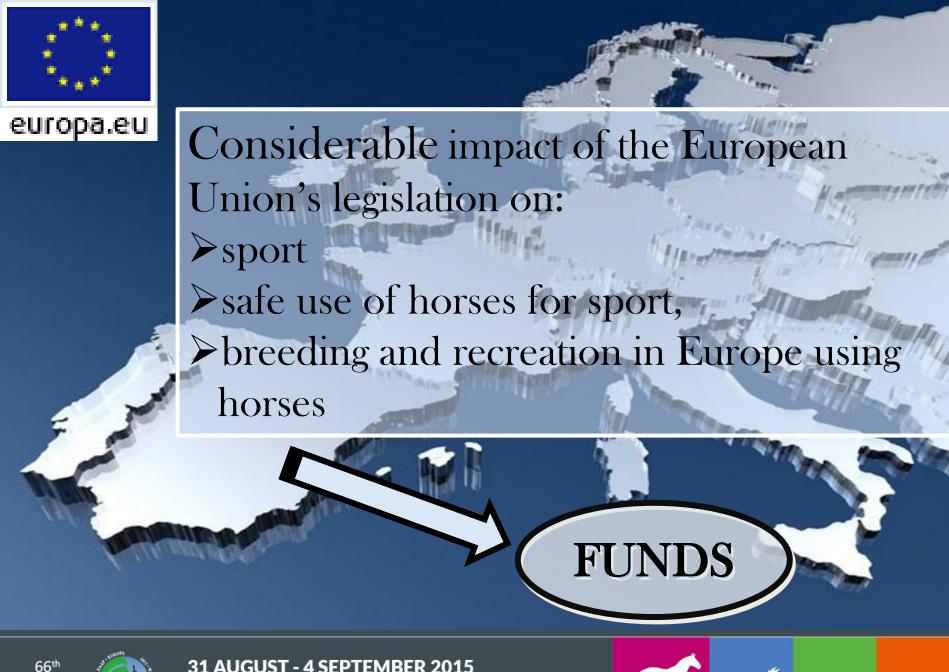






















Long term and positive relationship with the European Union, both at the Commission and in the Parliament





iobs, growth and investment

employment in rural areas:

closing the jobs gap













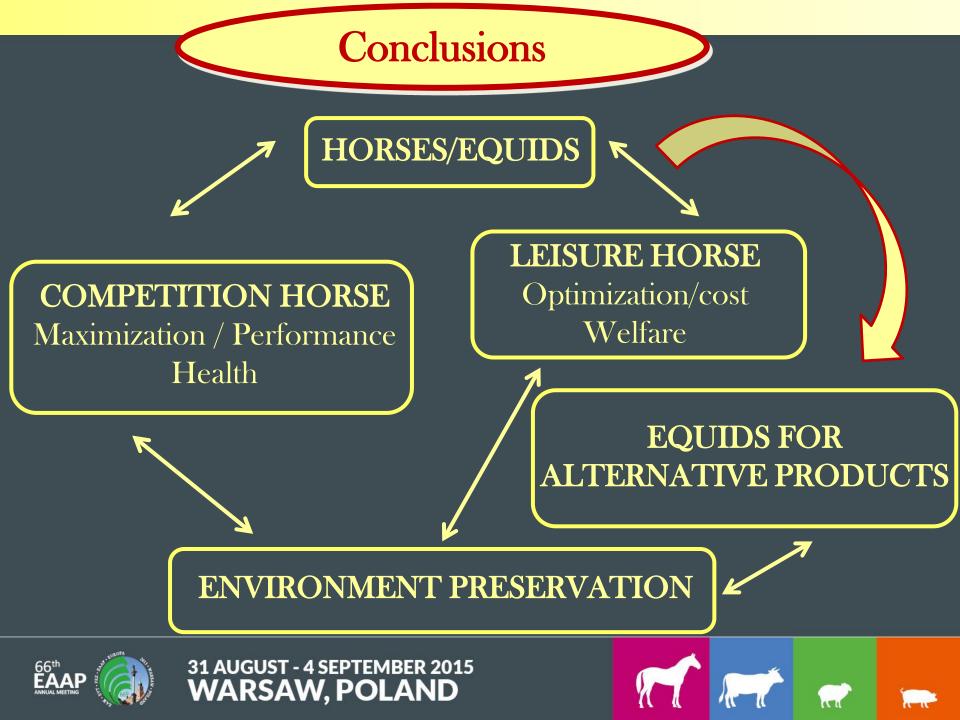












Conclusions

- * research needs \top policy makers (EU)
- * increased trust of horse keepers in research
- * EAAP's scientific activities need to change in response
- Sustain interdisciplinary research with direct results for the industry
- better understanding for needs of equine industry

better communication and collaboration with equine industry

MOBILIZATION OF FINANCES



INTERNATIONAL NETWORKING





