

# “Malattie esotiche..... sempre meno esotiche”

THE ERA-NET TOOL  
for  
RESEARCH ON EMERGING DISEASES  
IN ANIMAL HEALTH



FORESIGHT STUDIES



# ERA-NET scheme

The ERA-NET scheme was introduced under FP6 to support the networking of **research funding organisations** (programme owners and managers e.g. government ministries and research councils) to develop and strengthen the coordination of national research programmes.



# Emerging disease

- means a new infection resulting from the evolution or change of an existing pathogenic agent, a known infection spreading to a new geographic area or population, or a previously unrecognized pathogenic agent or disease diagnosed for the first time and which has a significant impact on animal or public health.

OIE terrestrial code



# Coordination of European Research on Emerging and Major Infectious Diseases of Livestock



# Scope of EMIDA

Emerging and major infectious diseases of production animals, including fish and bees and including those conditions which pose a threat to human health but excluding food safety issues relating to livestock products and diseases of wildlife, except where they act as a reservoir of infection for humans and animals.



# Aims of EMIDA

Build on and accelerate the work of the SCAR CWG in developing a durable focused network of national research funders in Member and Associated States of the EU for the purpose of sharing information, coordinating activities and working towards a common research agenda and mutual research funding activities in the field of animal health.



# EMIDA steps

- Better sharing of information of current activities
- Better coordination of the national research programmes
- Developing common research agendas
- Joint/common research calls
- Building research capacity relating to animal health

# EMIDA Work Packages

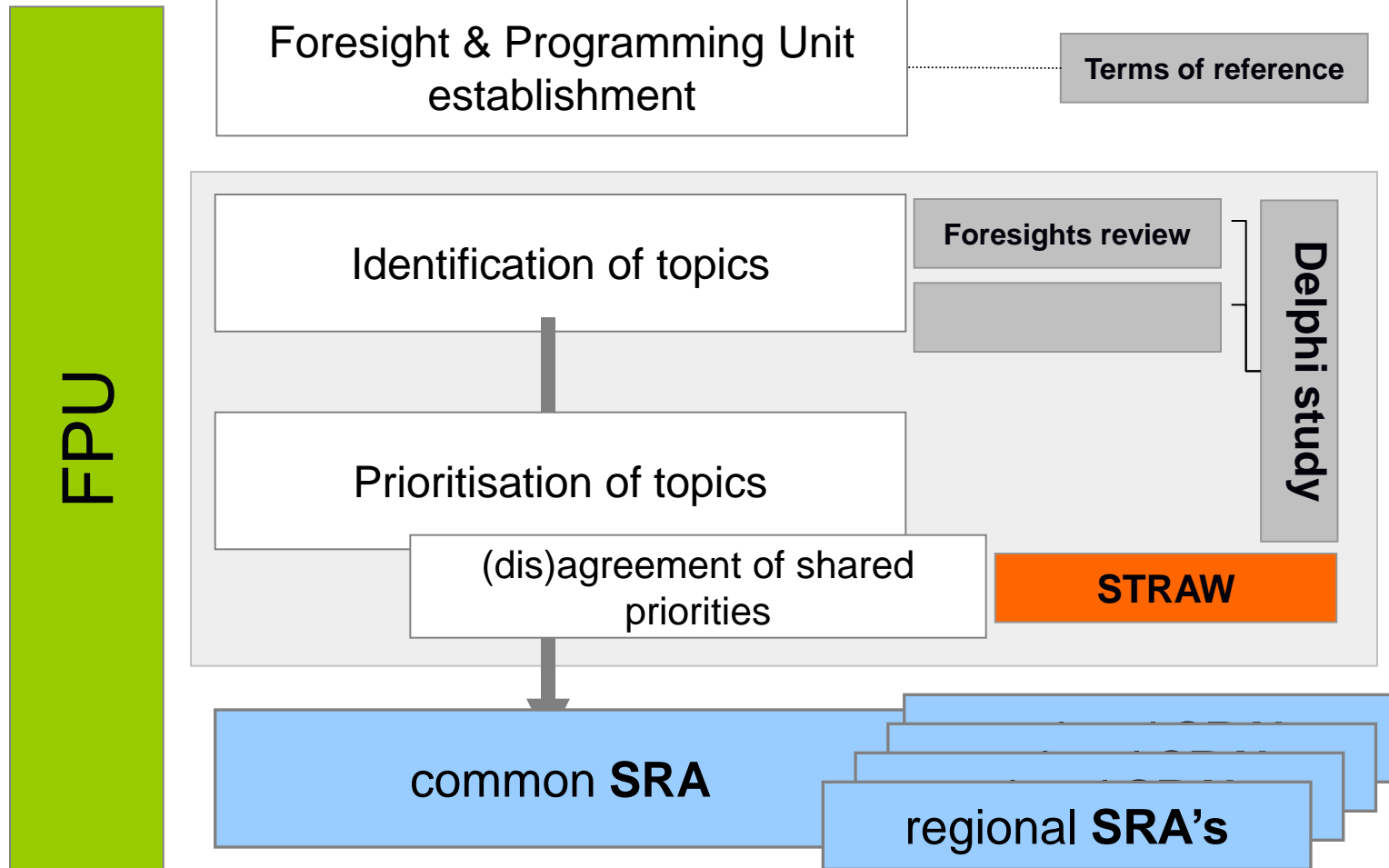
- WP1 - Project coordination, management, communication & dissemination
- WP2 - Mapping and analysis of existing research and current research needs and research programme development.
- WP3 - Developing, evaluating and implementing instruments for pilot projects
- WP4 - Developing a strategic trans-national animal health research agenda.



# WP4 objectives

- Develop a common strategic research agenda [to be taken forward by the SCAR CWG]
- *Set up a framework for a Foresight & Programming unit*
- *Undertake a multidisciplinary 10-15 year forward-look exercise*
- *Identify Europe's longterm needs in the animal health area*

# EMIDA Strategic Research Agenda process



# Conclusions

## SCAR CWG

### FPU

### DELPHI

- Literature searches seem to be important as means to understand future developments
  - Overview provides enough information to use as basic input for the Delphi study
  - Research gap analysis will be necessary to create a thorough foundation for the common SRA [WP2 output]
  - There will always be new developments, so this exercise should be repeated every few years
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- LIST OF DRIVING FORCES, OF FUTURE THREATS; OF FUTURE RESEARCH TOPICS

# Conclusions STRAW

- Coherence can be recognised between the outcome of the drivers and threats discussion and the list of future research topics to be addressed
- The lists of research topics on pan-European level and biogeographical level are quite **similar except for the Mediterranean region**, that contains some specific topics that were not identified as relevant by the other groups.
- The future research topics which were identified are still **on a generic level without the details needed to start research procurement.**

# PRIORITY RESEARCH AREAS FINAL

- a) Surveillance systems and risk analysis
- b) Control measures and biosecurity
- c) Ecosystem change, vectorborne diseases and preparedness
- d) Host-pathogen interactions that serves the development of diagnostics and vaccination
- e) Antimicrobial resistance
- f) Zoonoses



# ERA-Net

- Global **S**trategic **A**lliances for the **C**oordination of **R**esearch on the Major **I**nfectious **D**iseases of **A**nimals and **Z**oonoses



# STAR-IDAZ

- The initiative addresses the coordination of research programmes at international level in the area of animal health and in particular infectious animal diseases including zoonoses.
- It will build on the existing relevant ERA-NETs through the creation of a global network of research funding organisations

# STAR-IDAZ

- •22 partners in 17 countries
- •3 industrial partners
- •4 associated partners





# Objectives

Strengthen the linkages between and reduce the duplication of global research effort on high priority infectious diseases of animals (including zoonoses) maximise the efficient use of expertise and resources and accelerate coordinated development of control methods.

Identify and co-ordinate the response to gaps in research activities for targeted diseases.



# Objectives (continued)

Create the necessary critical mass and capacity to address emerging infectious disease threats.

Improve the cost-effectiveness and added value to network partners of current research programmes.

Develop durable procedures for a better coordinated, rapid response to urgent research needs.

Identify unique regions with localised diseases and improve access to research in those areas.

Improve access to and the utility of research results across all partner organisations.



# Objectives (continued)

Facilitate the establishment of research management capacity and programmes in those partner countries wishing to develop research activities in this area.



# WP5

To extend the EMIDA/SCAR Foresight synthesis exercise to identify strategic and innovative requirements for global animal disease research

to develop criteria for priority setting and subsequently develop a common longer-term (5 - 15 years) SRA, based on agreed priorities.

to develop a database of key experts for foresight exercises across the globe.



# WP5

- GLOBAL Foresight Programming Unit ToR from SCAR CWG experience
- SRA development & action plan
- List of experts

# FPU

- Inventory of existing foresight studies methodologies and their features
- Selection of methodology better fitting
- Not perform foresight study but rather determine needs for foresight study

# SRA

- Criteria for priorities
- List of drivers
- Draft common agenda 5-15 outlook
- Challenged against stakeholders
- Consultation phase

# CONCLUSIONS

- COLLECTION OF RELEVANT EXISTING INFORMATION
  - NEED INVOLVE OTHER GEOGR AREAS
  - FORESIGHT STUDIES IN CND; AUS-ASIAN; MERCOSUR (BR); AFRICA; UK;
  - INDUSTRY NEEDS
  - EMPHASYS ON BIOGEOGRAPHICAL SPECIFIC PRIORITIES ALONGSIDE COMMON ONES
  - BETTER USE OF RESOURCES AND AVAILABLE DATA



# CONCLUSIONS (continued)

- INTERNATIONAL ORGANISATIONS STUDIES (FAO, OIE..)
- ANALISYS OF EMIDA SRA
- TAKE ACCOUNT SOCIOECONOMICAL, POLITICAL & COMMERCIAL DRIVERS
- STAKEHOLDERS CONSULTATION EXERCISE
- DEVELOP WAY TO BE PROACTIVE AGAINST POLICY MAKERS/RISK MANAGERS
- COORDINATION WITH ANIWA SRA