



# EUROPEAN SURVEILLANCE NETWORK FOR SWINE INFLUENZA IN PIGS 3 (ESNIP 3)

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## ESNIP 3

- **Continuation of ESNIP 2 (2005-2008)**
  - Sought to achieve a better understanding of epidemiology of swine influenza in Europe
  - Ten partners from eight European countries plus two industrial partners
  - Seven of these ESNIP 2 partners are involved in the ESNIP 3 consortium and 18 new participants for added value
- **ESNIP 3 consortium**
  - Includes partners from most of the major EU pig-producing member states
  - Access to SIV field isolates and swine sera
  - One group from China and representatives from North America
  - Liaison between human, equine and avian influenza sectors
  - Industrial partners
  - Links with educational establishments

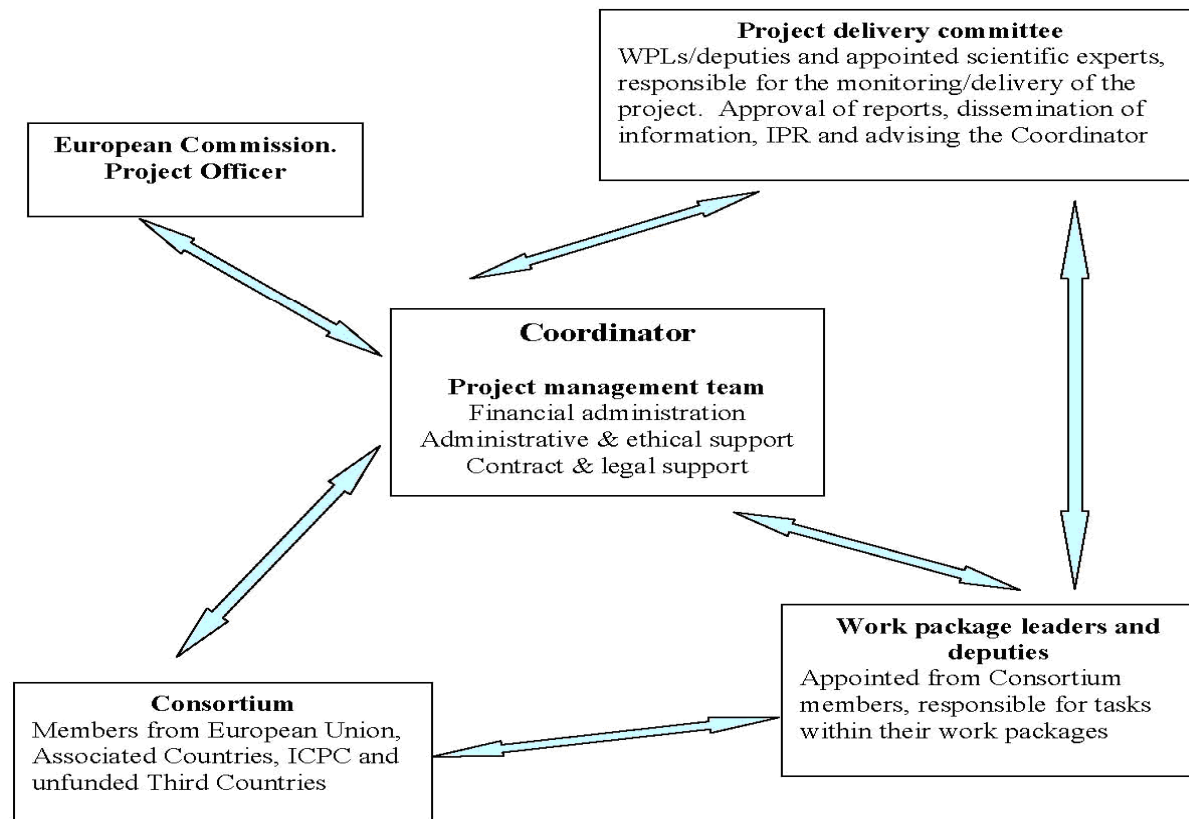
## ESNIP 3: Strategic objectives

- Expand our knowledge of the epidemiology and evolution of SIV in Europe through extensive virological and serological surveillance
- Provision of coherent data sets at EU level in relation to SIV
- Rapid characterisation of contemporary viruses
- Harmonisation of surveillance approaches and diagnostic techniques
- Application of developments in novel technologies and cutting edge tools to the study of SIV in European pigs
- Provide insights into the public health risk of influenza in swine consistent with pandemic preparedness
- Establish and maintain a European SIV bank for scientific community
- Global dissemination of knowledge and information including partnerships with other networks of influenza in other host species including humans

## ESNIP 3: Research objectives

- Keep track of the major changes in the epidemiology of SIV in Europe
  - Extensive virological and serological surveillance (WP2)
- Study the extent of antigenic evolution of SIVs
  - Sub-typing of influenza viruses throughout Europe (WP2 and WP3)
- Study the extent of genetic evolution of SIVs
  - WP4 addresses influenza virus variation in swine through whole genome sequencing
- Establish and maintain a European SIV bank
  - Existing bank (ESNIP 1/2) relocated to VLA
- Interaction with other influenza networks and the international community
  - FLU-LAB-NET

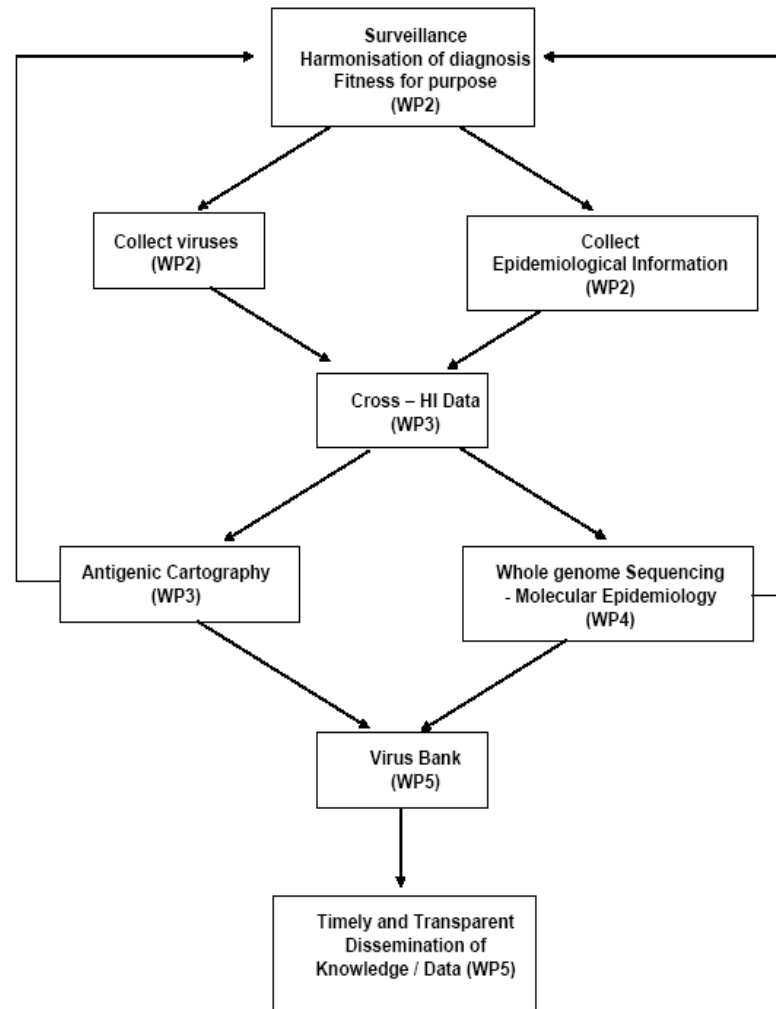
## ESNIP 3: Structure of the project management



## ESNIP 3 work packages

- WP1: Administration and project management
  - Led by VLA
- WP2: Virological surveillance for influenza in pig populations
  - Gaëlle Kuntz-Simon (AFSSA) and Willie Loeffen (CVI)
- WP3: Antigenic characterization of SIV
  - Lars Erik Larsen (DTU-VET) and Iwona Markowska-Daniel (NVRI)
- WP4: Genomic characterization of SIV
  - Paul Kellam (Sanger) and Ralf Dürrwald (IDT)
- WP5: Innovative interaction with other influenza networks and the international community
  - Led by VLA

# Overall strategy of the work plan



## Planned meetings

	Month	Location
Kick-off meeting (1)	0	Weybridge*
Meeting 2	12	Ploufragan, France
Meeting 3	24	Copenhagen, Denmark
Meeting 4	36	Weybridge



## Kick-off meeting at VLA-Weybridge

	Activities
21-22 September 2010	Workshop
23-24 September 2010	Formal meeting with partners
	Seminars

## Training course at VLA in July

- 12-23 July 2010
- FLU-LAB-NET
- Classical and molecular techniques for diagnosis of AI and ND
- Up to six participants (EU NRL laboratories)
- Closing date 31<sup>st</sup> May

