

## APPENDIX 1: Agenda

# Workshop on Classical Swine Fever – Assessment of control tools and research gaps

15-17th April 2008, CRL CSF, Hannover, Germany

### Assessment working group:

Cyril Gay, Manuel Borca, Larry Elsken, Samia Metwally, Luis Rodriguez, Guillermo Risatti

### Research gap working group:

Volker Moennig, Martin Beer, Willie Loeffen, Klaus Depner, Martin Hofmann, Frank Koenen, Phil Wakeley, H.H. Thulke, Helmut Saatkamp, Artur Summerfield, Helen Crooke, Armin Elbers, Matthias Kramer, Vittorio Guberti, Eugen Olaru, Sandra Blome, Alexandra Meindl-Böhmer, Sabine Kühne, Immanuel Leifer

## April 15<sup>th</sup>

- 9.30 -10.00 Reception, coffee
- 10:00-10:15 **Welcome to the University of Veterinary Medicine, Hannover** – Gerhard Greif, University of Veterinary Medicine, Hannover, Germany
- 10:15-10:30 **Welcome to the meeting** – Prof. Dr. Volker Moennig, Community Reference Laboratory for CSF, Hannover, Germany
- 10:30-11:00 **Introductions, Goals, and Targets** - Cyril Gay D.V.M., Ph.D, US Agricultural Research Service, Beltsville, USA and Prof. Dr. Volker Moennig, Community Reference Laboratory for CSF, Hannover, Germany
- 11:00-11:45 **Overview: CSF-Situation in Europe and worldwide, definition of the threat, prevention and control, obstacles** - Prof. Dr. Volker Moennig, Community Reference Laboratory for CSF, Hannover, Germany
- 11:45-12:00 Discussion
- 12:00-13:00 Lunch: Mensa TiHo – Tower, Buenteweg 2
- 13:00-14:00 **Review Decision Model, Preparation of the work on decision models** – Cyril Gay D.V.M., Ph.D, US Agricultural Research Service, Beltsville, USA

## **Session 1: Diagnostics: Chairman: Frank Koenen**

14:00-14:10 **DIVA diagnostics** – Alexandra Meindl-Böhmer, Community Reference Laboratory for CSF, Hannover, Germany

14:10-14:20 **RT-PCR** – Immanuel Leifer, FLI, Riems, Germany

14:20-14:30 **Rapid pen-side testing technologies and other modern techniques** - Phil Wakeley, VLA, New Haw, UK

14:30-14:40 **The Luminex xMAP technology – multiplexing made easy**  
- Irene Greiser-Wilke, TiHo, Hannover, Germany

### 14:40- 18:00 Discussion:

- Review list of available diagnostics
- Research gaps
- Selection criteria for diagnostics
- Decision model analysis of available diagnostics
- Decision model analysis of experimental diagnostics

16:00-16:20 Coffee break

**20:00 Dinner at Zoo Hannover, Meyers Gasthof**

## **April 16<sup>th</sup>**

### **Session 2: Vaccines and other countermeasures: chairman: Volker Moennig**

8:30-8:40 **Classical swine fever: vaccines and vaccination** – Willie Loeffen, CVI, Lelystad, The Netherlands

8:40-8:50 **Application methods** – Matthias Kramer, FLI, Wusterhausen, Germany

8:50-9:00 **Antiviral drugs** – Frank Koenen, CODA-CERVA, Ukkel, Belgium

### 9:00- 12:00 Discussions:

- Review list of available vaccines and other commercially available countermeasures
- Determine what other countermeasures need to be assessed
- Research gaps
- Selection criteria for selecting vaccines and products for other countermeasures
- Decision model analysis of available vaccines
- Decision model analysis of experimental vaccines
- Identify and assess strength and weaknesses of countermeasures
- Rank countermeasures

10:00-10:20 Coffee break

- 12:00-14:00 Working Lunch: Assessment working group: Preparing the Session Reports
- 12:00-14:00 Working Lunch: Research gap working group: Preparing the research gap position paper

**Session 3: Epidemiology and Control : chairman: Klaus Depner**

- 14:00-14:10 **CSF control strategies in industrial holdings with and without vaccination** - Klaus Depner, FLI, Riems, Germany
- 14:10-14:20 **Control strategies in backyard pigs, evaluation and comparison of different strategies, research gaps** – Vittorio Guberti, FAO, Rome, Italy
- 14:20-14:30 **Endemic CSF in small holdings- request for improved control strategies-** Eugen Olaru, Diagnosis and Animal Health Institute, Bucharest, Romania
- 14:30-14:40 **Control strategies in wild boar, evaluation and comparison of different strategies, research gaps** Matthias Kramer, FLI, Wusterhausen, Germany
- 14:40-14:50 **Strategies to deduce the “true” number of wild boar (Sus scrofa) living in a certain area-** Ulf Hohmann, Research Institute for Forest Ecology and Forestry , Trippstadt, Germany
- 14:50-15:00 **Classical Swine Fever: Virus transmission** - Willie Loeffen, CVI, Lelystad, The Netherlands
- 15:00-15:10 **What do modellers need** - Hans-Hermann Thulke, Helmholtz-Centre for Environmental Research – UFZ, Leipzig, Germany
- 15:10-15:20 **Economic aspects of Classical Swine Fever-future needs for decision support** – Helmut Saatkamp, Wageningen University, Wageningen, The Netherlands
- 15:20-15:30 **Early detection systems for Classical Swine Fever- present and future**  
– Armin Elbers, CVI, Lelystad, The Netherlands

15:30-15:50 Coffee Break

15:50- 18:30 Discussions:

- Defining Scope of CSF Outbreak
- Research gaps

**April 17<sup>th</sup>**

**Continue Session 3: Epidemiology and Control: chairman: Klaus Depner**

8:30-9:30 Discussions:

- Research gaps

**Session 4: Basic research: Immunology/ Pathogenesis/ viral functions: chairman: Willie Loeffen**

- 9:30- 9:40     **Innate immune responses and pathogenesis of classical swine fever: current knowledge and research gaps-** Artur Summerfield, IVI, Mittelhäusern, Switzerland
- 9:40- 9:50     **CSF: Innate Immune evasion** - Helen Crooke, VLA, New Haw, UK
- 9:50- 10:00    **Mechanisms of virus replication and functions of the virus proteins** – Martin Beer, FLI, Riems, Germany
- 10:00- 10:10   **Classical swine fever: Identification of virus and host virulence determinants** – Martin Hofmann, IVI, Mittelhäusern, Switzerland

10:10- 10:30 Coffee break

10:30 – 12:00 Discussions:

- Research gaps

- 12:00-14:00   Working Lunch: Assessment working group: Preparing the Session Reports
- 12:00-14:00   Working Lunch: Research gap working group: Preparing the research gap position paper
- 14:00-15:00   Summary, conclusions and next steps; Presenting und discussing the position paper: “Future needs and goals of CSF research”
- 15:00-16:00   Summary, conclusions and next steps; Presenting and discussing the Session Reports
- 16:00            Coffee