

WORKSHOP
MADRID, SPAIN MAY 20TH 2014
PARTICIPANTS

INSTITUTION	NAME
OIE	Barbara Freischem (Chargée de mission, Scientific and Technical Department, OIE)
OIE reference lab for AHSV (Spain)	Montserrat Agüero García (Technical Director, Laboratorio de Sanidad Animal, MAGRAMA) Manuel Durán Ferrer Rubén Villalba Martínez
OIE reference lab for AHSV (UK)	Javier Castillo-Olivares (OIE designated expert on African horse sickness)
OIE reference lab for ASFV (Spain)	Represented by partner of the consortium (UCM-VISAVET)
OIE/EU/FAO World Reference Laboratory for FMDV (UK)	Represented by partner of the consortium (PIR)
OIE/EU Reference Laboratory for SVD (UK)	Represented by partner of the consortium (PIR)
CVO Hungary	Abonyi Tamás (Director of the Veterinary Diagnostic Directorate (VDD) of the National Food Chain Safety Office (NFCSSO))
CVO Ireland	Donal Sammin (Director of the Department of Agriculture Food and Marine Veterinary Laboratories)
CVO Spain	Luis Romero González (Chief of Epidemiology Department, MAGRAMA)
CVO UK	Simon Hall (Veterinary Director of our Animal Health Veterinary Laboratories Agency).
EU producers (COPA-COGECA)	Miguel Angel Higuera (ASAJA, ES), Vice-chair of the Copa-Cogeca Animal Health and Welfare Working Party
European reference lab for ASFV	Marisa Arias (Technical Director, CISA-INIA)
Plataform Vet+i	Pablo Hervás Calle (Technical Secretary Vet+i)
EMVD	Belén Barreiro (Vicepresident)

Members of Advisory Board

Cornell University	Alfonso Torres (Professor & Associate Dean for Public Policy College of Veterinary Medicine)
Iowa State University	Jeffrey Zimmerman (Professor of Veterinary diagnostic laboratory)

Scientific Officer	Luis Vivas-Alegre
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RAPIDIA-FIELD

RAPID FIELD DIAGNOSTICS AND SCREENING IN VETERINARY MEDICINE

WORKSHOP
SPAIN

Date: May 20th 2014
Venue: Universidad Complutense de Madrid (Sala de Grados)



RAPIDIA-FIELD Project: Overall strategy and general description

The RAPIDIA-FIELD Consortium is made up by 12 partner institutions from 8 different countries. This includes experts from different international veterinary research institutes (e.g. PIR, FLI, SVA, CODA-CERVA, ANSES, INTA, VISAVET-UCM) and some of the most experienced and leading companies in the veterinary diagnostic sector such as ENIGMA, IDEXX, PROPHYL, INGENASA and PRIONICS.

The project focuses on the development and validation of test systems and methodologies that are intended for the use under field conditions (pen—side) or in very elementary laboratories (small laboratories). Rapid test systems such as different Lateral Flow Device applications, state of the art ELISA techniques, and portable / compact PCR devices are being adapted or developed. Concrete aim is always a commercially available product. Different diseases that affect farm or companion animals are used as models. Prioritization of pathogens to be included has been mainly done on the basis of relevance for public and animal health as well as for food production. Notifiable diseases such as ASFV, CSFV, FMDV or AHSV along with endemic pathogens such as PRRSV were selected as models. The list of pathogens is not exhaustive, but after proof-of-concept, the developed methods can be transferred to other infectious agents. For notifiable diseases, all applicable animal health legislations are respected.

One objective is the development of new technologies and protocols that help to recognize diseased animals at initial stages. Thus, we have worked on early-warning detection systems that make use of non-invasive observations of indicative parameters such as water consumption, food intake, animal movement, room temperature, body temperature.

The work plan is divided into 10 Work Packages (WPs) that represent the sub-units of this project whereby WP 1 is dealing with the project coordination. While knowledge on alternative strategies and sample processing steps for subsequent testing are gathered in WPs 2 and 3, diagnostic tests for antibody (WPs 4 and 6) and pathogen detection (WPs 5 and 7) are developed in four inter-dependent WPs. Confirmatory assays and next generation methodologies are implemented and developed in WP 8. WPs 9 and 10 deal with standardization and dissemination of the developed test systems.

To realize some specific task related to prototype evaluation and testing, the Consortium is working with a Field-Net-Group constituted by institutions from different countries in the world.

PROGRAMME Work Packages Overview

09:00–09:15	Welcome and introductory remarks	Prof. Pedro Lorenzo Dean of Veterinary Faculty Prof. J.M Sánchez-Vizcaino VISAVET-UCM
09:15–09:30	RAPIDIA-FIELD AT A GLANCE	Dr. Paloma Rueda INGENASA
09:30–09:45	Scientific Introduction	Prof. Martin Beer FLI
09:45–10:05	WP2. Real— time monitoring livestock on line	Prof. J.M Sánchez-Vizcaino VISAVET-UCM
10:05–10:25	WP3. Collection and preparation of samples	Dr. Veronica Fowler PIR
10:25–10:45	WP4. Antibody detection in the field	Dr. Patricia Sastre INGENASA
COFFEE BREAK		
11:15–11:35	WP5. Pathogen detection in the field	Prof. Sándor Béla SVA
11:35–11:55	WP6. Antibody detection in small labs	Dr. Alex Ráber PRIONICS
11:55–12:15	WP7. Pathogen detection in small labs	Dr. Sandra Blome FLI
12:15–12:35	WP8. Confirmation and reference techniques	Dr. Katja Goller FLI
12:35–12:55	WP9. Standardization; Field -Net-Group	Dr. Frank Koenen CODA-CERVA
LUNCH		
14:00–15:00	WP10. Dissemination (Including exhibition of potential products)	Prof. J. M Sánchez-Vizcaino, VISAVET-UCM

15:00 –15:30	Scientific Officer Presentation	Dr. Luis Vivas-Alegre
15:30–16:00	Guest presentation	Dr. Barbara Freischem OIE
COFFE BREAK		
16:15–17:15	FINAL DISCUSSION	
21.:00	JOINT DINNER AT ALCARAVEA RESTAURANT	

RAPIDIA-FIELD Consortium

1. Inmunología y Genética Aplicada SA (**INGENASA**, Spain)
2. Friedrich-Loeffler-Institut (**FLI**, Germany)
3. **PRIONICS** (Switzerland)
4. **PROPHYL** (Hungary)
5. Instituto Nacional de Técnica Aeroespacial, Centro de Astrobiología (**INTA-CSIC**, Spain)
6. The Pirbright Institute (**PIR**, United Kingdom)
7. Agence Nationale de Sécurité Sanitaire de l'Alimentation de l'Environnement et du Travail (**ANSES**, France)
8. Universidad Complutense (**VISAVET-UCM**, Spain)
9. **CODA-CERVA**, (Belgium)
10. The National Veterinary Institute (**SVA**, Sweden)
11. **IDEXX SWITZERLAND AG** (Switzerland)
12. **ENIGMA DIAGNOSTICS LIMITED** (United Kingdom)