Integrating and strengthening the European Research Area Specific Targeted Project

Detection of presence of species-specific processed animal proteins in animal feed

(FOOD-CT-2006-036221)

Walloon Agricultural Research Centre

Project characteristics

Funded under the 6th EC FP, DG RTD

- **Duration 36 months**
- **Total budget: +- 1,75 M€ from EU**
- **Start date: 1-12-2006**
- **7 work packages**
- **13 partners**
- **Coordinator : Dr Vincent Baeten, CRA-W**
- **Scientific officer : Mr. Jean Charles Cavitte, European Commission**

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Objective: support of legislation

The SAFEED-PAP project aims to complete the scientific conditions that should allow the repealing of the extended feed ban.

	Feeding intended for these animals but prohibited by European law			
	Ruminants	*Pigs*	*Poultry*	*Fish*
PAPs from Ruminants	**EC Reg. 999/2001**	*EC Reg. 1234/2003*(1) *ECReg. 1292/2005*(2)	*ECReg.1234/2003*(1) *ECReg. 1292/2005*(2)	*ECReg.1234/2003*(1) *ECReg. 1292/2005*(2)
PAPs from Pigs		**EC Reg. 1774/2002**		
PAPs from Poultry	*ECReg.1234/2003*(1) *ECReg. 1292/2005*(2)	*EC Reg. 1234/2003*(1) *ECReg. 1292/2005*(2)	**EC Reg. 1774/2002**	
PAPs from Fish				**ECReg.1774/2002**(2)

(1) Amending Annex IV to the Reg. 999/2001

(2) Derogation for PAPs from fish as specified in Decision 811/2003/EC

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Objectives

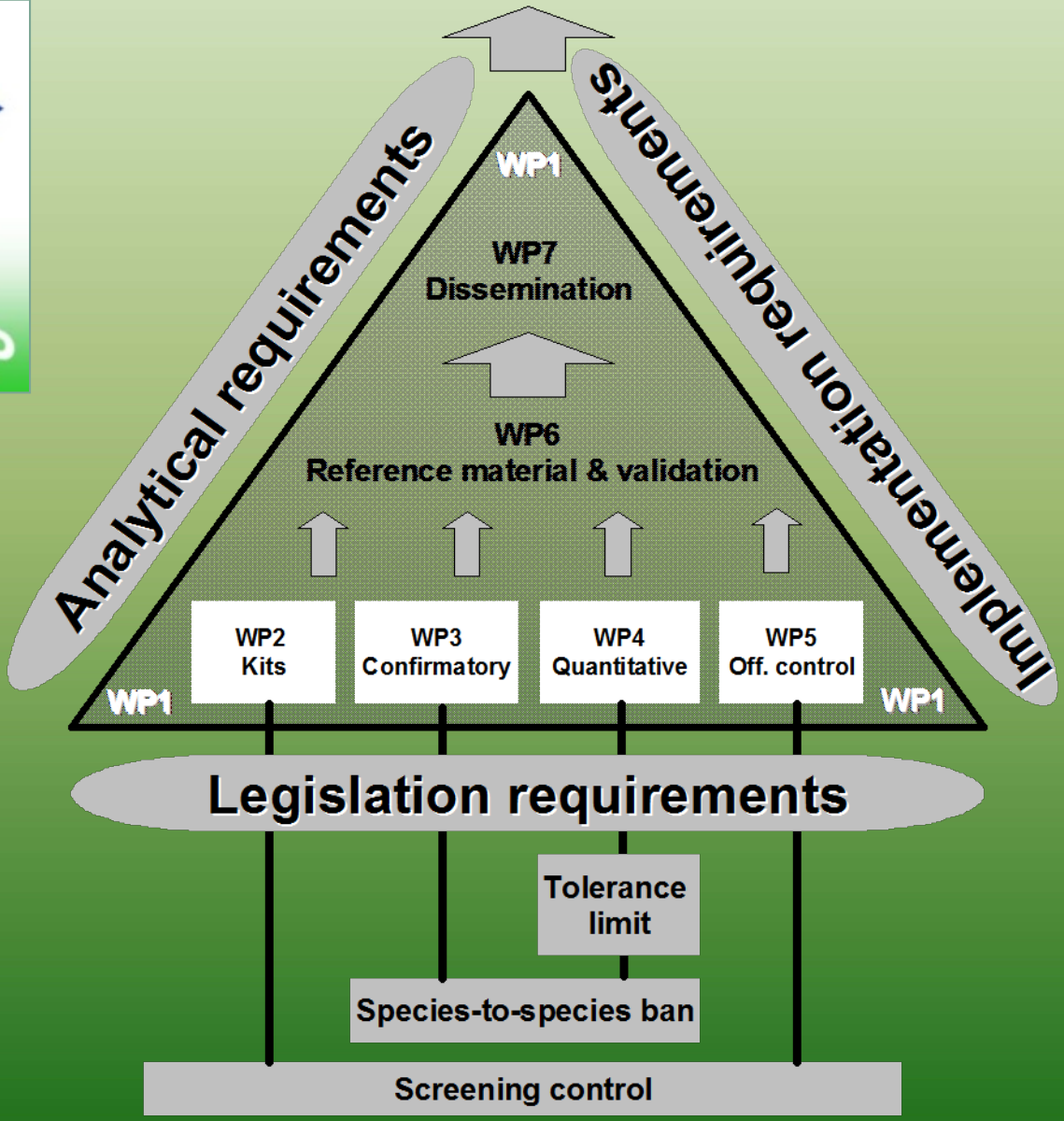
The SAFEED-PAP project has three main objectives that should lead to solve the problematic of the species specific detection of MBM in compound feeds:

(i) Development of ***suitable validated methods*** for the species specific detection and quantification of animal protein in compound feed in order to allow the amendment of the extended total ban;

(ii) Development of ***tools and analytical kits*** for the correct implementation of the methods in the labs;

(iii) To set up the ***appropriate environment*** for the optimum application of the methods.

SPECIES SPECIFIC DETECTION



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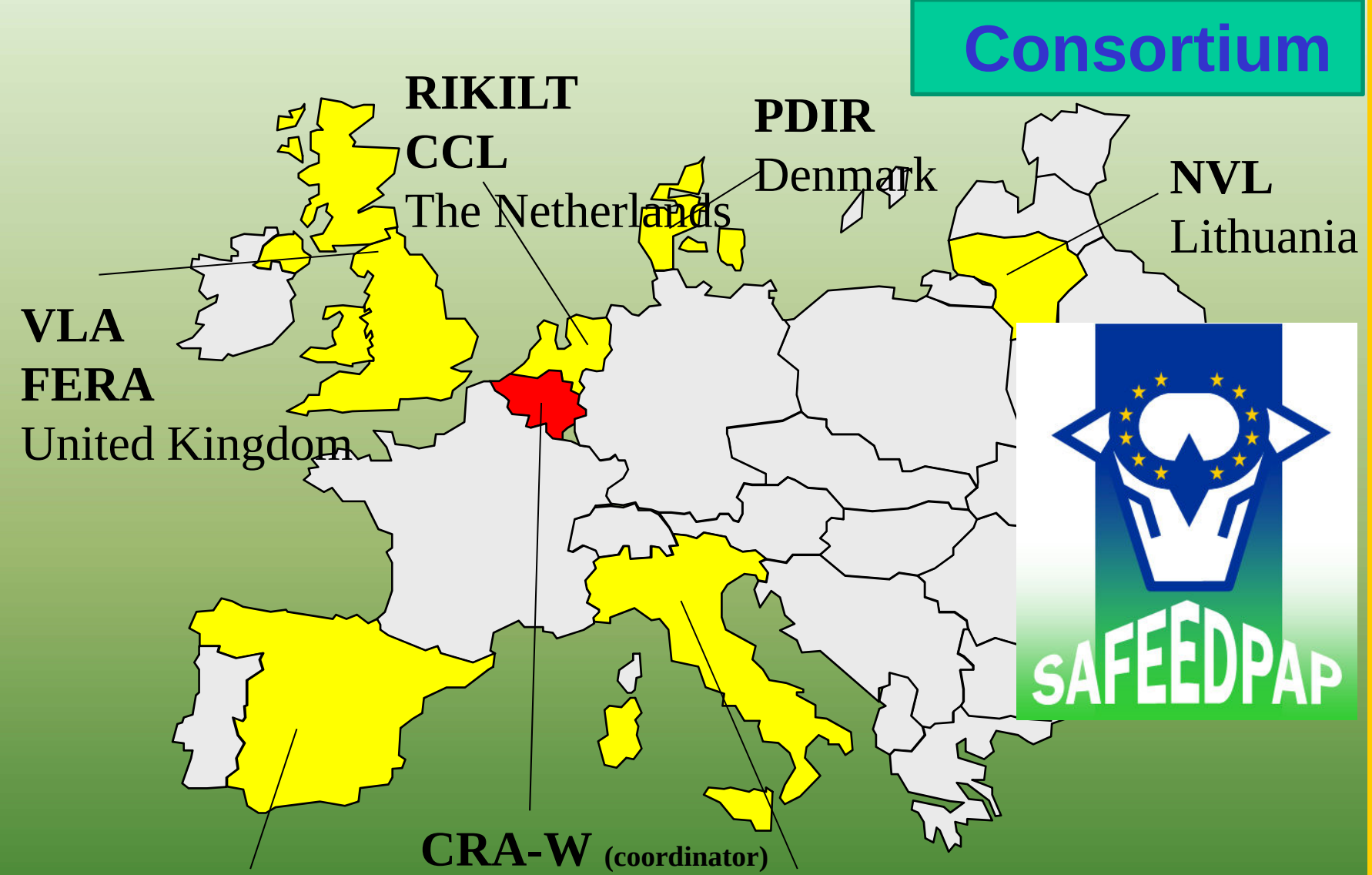

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Participant Role	Participant No.	Participant Name	Participant Short name	Country	Date enter project	Date exit project
CO	1	Walloon Agriculture Research Centre	CRA-W	Belgium	1	36
CR	2	Veterinary Laboratories Agency	VLA	United Kingdom	1	36
CR	3	University of Córdoba	UCO	Spain	1	36
CR	4	Institute of Food Safety	RIKILT	The Netherlands	1	36
CR	5	IRMM-European Commission	IRMM	Belgium	1	36
CR	6	The Danish Plant Directorate	PDIR	Denmark	1	36
CR	7	CSL	CSL	United Kingdom	1	36
CR	8	A.F.S.C.A. - Fed. Laboratory for the safety of food	FLVVT	Belgium	1	36
CR	9	Department of Pathological Anatomy and Histology	NVL	Lithuania	1	36
CR	10	Univ. of Milan Dept of Veterinary Sc. Tech. for Food Safety	UMIL	Italy	1	36
CR	11	CCL-Research	CCL	The Netherlands	1	36
CR	12	Diagenode s.a.	Diagenode	Belgium	1	36
CR	13	China Animal Health and Epidemiology Center	CAHEC	China	1	36

- 13 partners
- 8 countries

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Mrs I. Paradise (Representative of the IAG Feedstuff Analysis – Section Feedstuff Microscopy)

Mr S. Woodgate (EFPRA representative)

Dr D. Moncilovic (representative from USA, DACT Medicated Feed Specialist - Division of Animal Feeds, Center for Veterinary Medicine, Food and Drug Administration, *FDA)*

Dr K. Mizuno (representative from Japan, Chief Inspector Incorporated Administrative Agency Fertilizer and Feed Inspection Services)

Dr C. von Holst (Representative of IRMM - JRC): observer status

Dr K. Van Dyck (Representative of Commission Stakeholders (DG-SANCO)): observer status

WP 2

(kits and extraction; CRA-W: G. Berben)

- Improvement of a dipstick method for the detection of ruminant animal by-products at the industrial level

- Fine-tuning of a PCR kit for the routine detection of species-specific DNA targets at the official laboratories level

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WP 3

(confirmation; VLA: S. Reaney)

-Identification and isolation of species specific proteins from meat and bone meal samples and compound feed.

- Development of a confirmatory method to detect and identify the selected targets using HPLC and MS/MS.

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WP 4

(quantification; UCO: A. Garrido)

- Development of a quantitative method based on NIR microscopic techniques for animal particle detection

- Development of a quantitative method based on the combination of NIR microscopic method and PCR for the species-specific detection of animal particles

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WP 5

(official control; RIKILT: L. v. Raamsdonk)

- Improvement of the performance and selection as well as validation of new species-specific markers for the routine control by advanced microscopy.

- Development of a method combining advanced microscopy (AM) with immuno-assays

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WP 6

(validation; JRC: A. Boix)

- Production of test materials for the development and validation of the methods developed in the course of the project

- Feasibility study to specify the pre-requisite for the production of a candidate certified reference material (CRM)

- Validation of the methods developed in the project

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WP 7

(dissemination; PDIR: J.S. Jørgensen)

-Construction and maintenance of the public internet web site

http://safeedpap.feedsafety.org/

- Organization of internal conferences
- Organization of 2 workshops
- Publication of a multi-authors technical book

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As you will see in the next presentations
the SAFEED-PAP members have worked very hard to reach the objectives of the project…

and they took a lot of risks…

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