CamCon

Kick off meeting
Copenhagen 18 May 2010
Agenda

- 10.00 – 10.15 Welcome and introduction to the meeting and CamCon (Merete)
- 10.15 - 10.20 Presentation of the External Advisory Board (Merete)
- 10.20 - 11.30 Presentation of the partners (5 minutes each)
- 11.30 – 12.30 Meeting of WP Committee **WP1** and **WP2**

- 12.30 – 13.15 Lunch

- 13.15 – 14.00 Meeting of WP Committee **WP3**, **WP5** and **WP4**
- 14.00 – 14.30 Meeting of the **Advisory Board**
- 14.30 - 14.45 Meeting of WP Committee **WP6**
- 14.45 - 15.00 Presentation from the **COM**

- 15.00 - 15.30 Coffee break

- 15.30 - 16.00 Meeting of the **Executive Board**
- 16.00 - 16.15 Meeting of the **General Assembly**
- 16.15 – 16.30 Advise from Advisory Board
- 16.30 – 17.00 Any other business

- 17.00 End of meeting
Advisory board

- Distinguished experts
  - Arie Havelaar
  - Eva Olsson Engvall
  - Tage Lysgaard
- Will advise the Executive Board on scientific strategic matters
- One of the Advisory Board members will be assigned as the chairman
- The Advisory Board will meet in conjunction with the Annual General Meetings
  - Evaluate presentations, review progress, and advise the Executive Board on the possible need for adjustments
- The board will report to the Coordinator through its chairman
- The Coordinator and Deputy Coordinator will be members of the board *ex-officio*
# Partners

<table>
<thead>
<tr>
<th>Partner</th>
<th>WP1</th>
<th>WP2</th>
<th>WP3</th>
<th>WP4</th>
<th>WP5</th>
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<tbody>
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Meetings

- The chairperson of a Consortium Body shall convene the meetings.
- Any member of the General Assembly and Executive Board shall:
  - be present or represented at any meeting;
  - appoint a substitute to attend and vote;
  - participate in a cooperative manner.
- Once a year, General Assembly, Executive Board and WP Committees meetings will be joined in an Annual General Meeting. In addition such a meeting may include:
  - Advisory Board meeting;
  - Moderated workshops (within one WP/Task and/or between WPs/Tasks);
  - Dissemination events (with stakeholders).
- Participants will be informed about agenda at least four weeks before.
- Voting rules and quorum:
  - Not decide validly unless 2/3 of its members are present/represented. Each member have one vote. Decisions shall be taken by a 2/3 majority.
- Veto rights:
  - If severely affected by a decision, a member may exercise a veto with respect to the corresponding decision or relevant part of the decision (see Consortium Agreement).
WP Committees

- One representative of each participant having a task within the respective WP
- Chaired by Work Package leader - Meetings quarterly (telephone)
- Each WP Committee shall manage the respective WP, in particular with regard to:
  - timely delivery of reports and results to the Executive Board and the Coordinator
  - plan the activities for the future period
  - alerting the Executive Board and the Coordinator in case of problems
  - decide exchange of tasks and budgets between Participants (when no impact beyond WP)

- The WP Leader shall have the following functions:
  - communicate plans, deliverables, documents, information between its members and, if relevant, to the Executive Board
  - submit Plan of the WP to the Executive Board, propose update of the Plan
  - coordinate on a day-to-day basis the progress of the work under the WP
  - following up decisions made by Consortium Bodies insofar as they affect the WP
  - advising the Coordinator of any discrepancy with the Plan, including delays
WP1 Epidemiology

- Tom Humphrey, ULIV
- Other participants
  - All except DIA, CVI-LEI, UMinho
WP1 Objectives

• To examine external risk factors for flock colonization in different areas of Europe.
• To examine the role of climate and geography in determining flock colonization rates.
• To determine the role of farm management factors and their interaction with climate and geography in determining colonization rate.
• To use Structural Equation Modelling to investigate the pathways of risk of colonization arising from environmental factors, management and flock welfare to quantify and integrate risks across the different potential routes to colonization in different areas of the EU.
• To determine the roles of the in-house environment and bird health and welfare in colonization.
• To examine the distribution of *Campylobacter* sub-types in EU broiler production in relation to climate, geography/region, husbandry and farm management.
Task 1.1 Risk factors for Camp. colonization in broilers

- Task leader: Hanne Rosenquist, DTU
- Participants: NVI, ULIV, UU, CSA, NVRI

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<thead>
<tr>
<th>No</th>
<th>Deliverable</th>
<th>Month</th>
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<tbody>
<tr>
<td>1.1.1</td>
<td>Questionnaire and protocol for data collection agreed with all participants</td>
<td>3</td>
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<tr>
<td>1.1.2</td>
<td>Report on broiler production across Europe (based on questionnaire)</td>
<td>12</td>
</tr>
<tr>
<td>1.1.3</td>
<td>Research publication of risk factors for flock colonization including climatic conditions</td>
<td>36</td>
</tr>
</tbody>
</table>
Task 1.1 Risk factors for Camp. colonization in broilers

- Questions we need to address asap
  - How do we ensure comparability?
    - Age of sampling
    - Place of sampling
    - Detection method
  - How do we ensure a high response rate?
    - Minimum requirements?
    - Follow up with interviews?
  - Which climate data are available?
Task 1.2 A longit. study of broiler flocks in UK and Spain

- Task leader: Tom Humphrey, ULIV
- Participants: UNEW, CSA
- Two subtasks – UK and Spain

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<tr>
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<tr>
<td>1.2.1</td>
<td>Study protocol finalised</td>
<td>9</td>
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<tr>
<td>1.2.2</td>
<td>Data analysis of first-year intensive flock sampling in Spain and the UK</td>
<td>26</td>
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<tr>
<td>1.2.3</td>
<td>Paper on two-year study in UK and Spain</td>
<td>46</td>
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<tr>
<td>1.2.4</td>
<td>Identification of management intervention to minimize risk of colonization of broiler flocks</td>
<td>46</td>
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</tbody>
</table>
Task 1.2.1-
A two year longitudinal study of *Campylobacter* spp. in broiler flocks in the UK.

56 flocks

7 flocks/house
Task 1.2.1

Day 1

30 chickens culled

Day 7

Caecal contents sampled

Day 14

Day 21

Day 28

Day 35

Day 40

Caecal contents pooled
1 pool = 10 caeca (3 pools)
Task 1.2.1

Positive pool \rightarrow Individual caeca sampled

Repeated every 3-5 days

Enumeration ?

Not all 30 caeca positive

Sample at thinning and at slaughter

All 30 caeca positive
Task 1.2.1

Farm environment

Humidity
Temperature

Air sampling

Campylobacter isolation

pH
moisture
Task 1.2.1

Bird health and welfare

Caecal samples for corticosterone levels
Task 1.3 Importance of flies in transmiss. of Camp. to broiler flocks

- Task leader: Birthe Hald, DTU
- Participants: UNEW, ULIV, CSA

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<tbody>
<tr>
<td>1.3.1</td>
<td>First-year report on flies</td>
<td>24</td>
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<tr>
<td>1.3.2</td>
<td>Paper on the role of insects in colonization of broilers with Campylobacter in UK and Spain</td>
<td>48</td>
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</table>
Task 1.3 Importance of flies

Subtask 1.3.1 C. carriage rates

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<th>Speciation</th>
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<td>Assist in Superwise</td>
<td>Superwise</td>
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<td>Superwise</td>
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2 samplings per flock à 50 flies
Week 1-2, week 3-4
Task 1.3 Importance of flies

Subtask 1.3.2 Insect community

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<tr>
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<th>Trapping</th>
<th>Toxonomical sorting</th>
<th>Statistical analyses</th>
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<td>CSA</td>
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CO₂
Wall inlet bags for collecting insects
Wall inlet bag
Task 1.4 Distribution of Camp. subtypes in EU broiler production

- Task leader: Frieda Jorgensen, ULIV
- Participants: NVI, DTU, UU, CSA, NVRI

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<tr>
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<tr>
<td>1.4.1</td>
<td>Paper on Campylobacter sub-types in EU broiler production</td>
<td>44</td>
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</tbody>
</table>
Task 1.4 Distribution of *Campylobacter* sub-types in EU broiler production

Multi-locus sequence typing

- Amplification and sequencing of 7 house-keeping genes
- Assignment of alleles to each gene
- Allelic profile generated = sequence type (ST) and clonal complex
Task 1.4 Distribution of *Campylobacter* sub-types in EU broiler production

- Up to 500 isolates will be subject to MLST
- Isolates from 2 year longitudinal study (UK and Spain)
  - Flock and environmental
  - Seasonality

- Isolates from Task 1.1 Risk factors for *Campylobacter* colonization in broilers
Task 1.5 Modelling in-house colon. of birds in relation to envir. and bird welfare

- Task leader: Steven Rushton, UNEW
- Participants: ULIV

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<td>1.5.1</td>
<td>Quantitative assessment of the relative significance of risk factors in the study countries</td>
<td>40</td>
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<tr>
<td>1.5.2</td>
<td>A pathway model which defines the interactions between risk factors leading to colonization</td>
<td>42</td>
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</table>
The Campylobacter problem

- Broilers become colonised ca 21-30 days after establishment
- Many biological, epidemiological and management processes change during this period
- The processes also interact
- A multi-factorial problem of interacting processes which has to be deconstructed to understand the epidemiology and lead to effective control
Multifactorial nature of Campylobacter colonisation of chickens
Colonisation as a longitudinal process

- From establishment chicken maternal antibodies decline immunological status changes
- Chick diet changes and coccidostats alter gut flora
- Chickens grow and become more densely packed
- They are subject to repeated challenges from internal and external environmental sources
- Need investigation of the time-line of all chicken ‘events’ and their colonisation status
Rationale for study

- Capture change in environment, chicken management, risk factors and epidemiological status through time
- Longitudinal analysis of risk factors (mixed effect modelling, survival/event analysis)
- Analysis of the interactions between risk factors and their impacts on colonisation (structural equation modelling)
Veterinary Training and Research Initiative - VTRI

'Food-borne' zoonotic pathogens: transmission, pathogen evolution and control - a programme of training and research
WP2 Intervention strategies

- 3 approaches for intervention in primary production:
  - The effect of fly screens
  - The use of bacteriophages
  - Vaccine development
WP2 Intervention strategies

- Jaap Wagenaar, UU
- Other participants: all except NVI, DIA, UNEW, NVRI
Task 2.1 Fly screens add-on to biosecurity

- Task leader: Birthe Hald, DTU-VET
- Participants: DTU-FOOD, ULIV, CSA

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<tr>
<td>2.1.1</td>
<td>List of study farms and control farms to be visited selected from list of Task 1.1</td>
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<tr>
<td>2.1.2</td>
<td>List of farms consenting to participate</td>
<td>13</td>
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<tr>
<td>2.1.3</td>
<td>Report for each study farm to approve biosecurity level and plan for mounting of fly screens</td>
<td>14</td>
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<tr>
<td>2.1.4</td>
<td>Fly screens delivered on farms</td>
<td>15</td>
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<td>2.1.5</td>
<td>Logbooks filled in and collected</td>
<td>39</td>
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<tr>
<td>2.1.6</td>
<td>Database with Campylobacter results of all farms in Task 2.1</td>
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<tr>
<td>2.1.7</td>
<td>Paper on the effect of fly control in UK and Spain</td>
<td>44</td>
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</table>
Task 2.1 Fly screens add-on to biosecurity

- 2.1.1 Identification and recruitment of study and control farms
- 2.1.2 Establishment of fly screens at each study farm
- 2.1.3 Daily management of study farms
- 2.1.4 Testing of study farms and control farms for *Campylobacter*
Task 2.1 Fly screens add-on to biosecurity

2.1.1 Identification and recruitment of study and control farms

- Sufficient degree of biosecurity already
- Similarity among farms in management, standard and type of ventilation system
- Ideally ‘One house farms’
- Locations within a limited area (‘250 by 250 km’) in each country
- 6 study houses and 6 control houses per country
Task 2.1 Fly screens add-on to biosecurity

2.1.2 Establishment of fly screens at each study farm

- Visit and inspection to select farms
- A report stating the measures needed
- A 'contract' with the farmer of 'what to do'
- DTU responsible for the actual measures for the screens
  - Vestergard Frandsen
  - Ruff Lowman
  - Farmer and local employees
Task 2.1 Fly screens add-on to biosecurity

2.1.3 Daily management of study farms
- Management guidelines (according to EPIG)
- Agreed routine
- Logbook concerning deviations, farmer’s fill out
- Surveillance for compliance to agreements and for functionality of screens
  - Local responsible (appointed by ULIV and CSA)
  - Task leader
Task 2.1 Fly screens add-on to biosecurity

2.1.4 Testing of study farms and control farms for *Campylobacter*

- 2 years, 7-8 flocks per farm (study and control)
- Sock samples, PCR
  - April to November: 4 sock samplings/flock,
    - Sampling day 0, 14, 25, 36 ??? For discussion
  - December to March: 1 sampling per flock (at first batch’s slaughter day)
Task 2.1 Fly screens add-on to biosecurity
Task 2.1 Fly screens add-on to biosecurity
Task 2.1 Fly screens add-on to biosecurity
Task 2.2 Phage therapy

- Task leader: Peter Willemsen, CVI-LEI
- Participants: UMinho, DTU

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<td>Collection of phages to be used for therapy to control Campylobacter</td>
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<tr>
<td>2.2.2</td>
<td>Paper on the efficacy and effectiveness of the use of phages to combat Campylobacter in field trials</td>
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<tr>
<td>2.2.3</td>
<td>Paper on the effectiveness of phage therapy</td>
<td>48</td>
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Central Veterinary Institute of Wageningen UR

Two locations in Lelystad

- National Reference lab for notifiable animal diseases
- Statutory research tasks
- Int. Reference lab for several animal diseases
- High-containment facilities
### Scheme Workplan Phage Therapy (7 subtasks)

<table>
<thead>
<tr>
<th>PREMISES</th>
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| • Proof of principle  
  3 Log reduction (*Wagenaar et al.*, 2005)  
• Temporary reduction  
• Need for broader host-range |
# BETTER CAMPY-PHAGES

- Combination of sets
- New Phages

# THERAPY PROTOCOL

- Lab conditions
- Delivery, Dose, Timing
- Efficacy

# FIELD TRIAL

- SME (Portugal)
Task 2.3 Vaccination

- Task leader: Jaap Wagenaar, UU
- Participants: CVI-LEI

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<td>Identification of immune response against <em>C. jejuni</em> subunit vaccines</td>
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<td>2.3.2</td>
<td>Identification of immune response against <em>C. jejuni</em> whole cell vaccines</td>
<td>24</td>
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<tr>
<td>2.3.3</td>
<td>Protection against <em>C. jejuni</em> challenge after vaccination with <em>C. jejuni</em> subunit vaccines</td>
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<tr>
<td>2.3.4</td>
<td>Protection against <em>C. jejuni</em> challenge after vaccination with <em>C. jejuni</em> killed whole cell vaccines</td>
<td>48</td>
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</table>
Task 2.3 Vaccination

- Development of new generation of vaccines based upon Toll-like receptor activation
- Campylobacter flagellin does not activate TLR5
- Modified Campy-flagellin (expressed protein) did activate TLR5
- Role of glycosylation: are sugars at the surface of the antigen essential for a proper immune response?
- Salmonella as vector: collaboration with a Polish research group.
Task 2.3 Vaccination

- Aim: to use an in ovo vaccine approach

- Interference with maternal antibodies?
  - Use of eggs/chickens from a Campylobacter free broiler-parent flock

- Adjuvantia

- Close collaboration with CamVac (Jeffrey Hoorfar)
WP3 Development of detection methods and monitoring regimes

- Laurids Siig Christensen, DTU
- Other participants: NVRI
Task 3.1 Development of methods of quantification of Camp. in air

- Task leader: Laurids Siig Christensen, DTU
- Participants:

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<td>Establishment of methods of quantification of airborne Campylobacter</td>
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<td>3.1.2</td>
<td>Definition of level of sensitivity</td>
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<tr>
<td>3.1.3</td>
<td>Publication on quantities of airborne Campylobacter</td>
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<tr>
<td>3.1.4</td>
<td>Identification of a suitable semi-automated technology allowing semi-continuous monitoring of airborne Campylobacter</td>
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Task 3.2 Feasibility of real-time monitoring of Camp. in broiler flocks

- Task leader: Laurids Siig Christensen, DTU
- Participants: NVRI

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<td>3.2.1</td>
<td>Knowledge of the airborne particle size distribution under various farming conditions</td>
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<tr>
<td>3.2.2</td>
<td>Knowledge of the ratio of airborne particles and Campylobacter under various farming conditions</td>
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Task 3.3 Report on future research needs

- Task leader: Laurids Siig Christensen, DTU
- Participants:

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<td>3.3.1</td>
<td>Report on future research needs regarding diagnostic tools to detect Campylobacter in primary poultry production</td>
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WP5 From science to industry

- Mogens Madsen, DIA
- Other participants: all except CVI-LEI, UMinho, UNEW
Task 5.1 Best Practice Manual for production of Camp-free chickens

- Task leader: Mogens Madsen, DIA
- Participants: all other participants in WP5

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<td>5.1.1</td>
<td>Best Practice Manual</td>
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Task 5.2 Specific targeted learning programmes for proficiency in implementing the “BPM for production of Camp-free chickens”

- Task leader: Mogens Madsen, DIA
- Participants: DTU, all other participants in WP5

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<td>5.2.1</td>
<td>Plan for distribution of the final E-learning product</td>
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<tr>
<td>5.2.2</td>
<td>E-learning programme</td>
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Task 5.3 Voluntary Certification Programme

- Task leader: Mogens Madsen, DIA
- Participants: all other participants in WP5

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<tr>
<td>5.3.1</td>
<td>Voluntary Certification Programme</td>
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</table>
Meeting of the Advisory Board

- Select chairman
- Evaluate progress
- Advise the Executive Board on need for adjustments
- Report to all of us
WP4 Risk assessment and economics

- Hanne Rosenquist, DTU
- Other participants: all except DIA, UMinho, UNEW
Milestones/Deliverables first year

- None
Task 4.1 Risk assessment

- Task leader: Maarten Nauta, DTU
- Participants:

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<tr>
<td>4.1.1</td>
<td>Research paper on the QRA model</td>
<td>46</td>
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</table>
Task 4.1 Risk assessment

- **Who?**
  - DTU

- **What?**
  - A QMRA estimating the relative risk-reducing effect of selected interventions at farm in different geographical regions in Europe

- **How?**
  - Development of RA model for farm level for different regions in Europe
  - Integrating model for farm with models for the remaining food chain

- **Results?**
  - A food chain RA model which links the farm stage, with broiler flocks, to risks consequential to broiler meat consumption
  - Effect of on-farm interventions on risk of campylobacteriosis
Task 4.2 Data collection and compilation

- Task leader: Hanne Rosenquist, DTU
- Participants: CVI-LEI, NVI, ULIV, UU, CSA, NVRI

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<thead>
<tr>
<th>No</th>
<th>Deliverable</th>
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<tbody>
<tr>
<td>4.2.1</td>
<td>Report on data collected for risk assessment and economics</td>
<td>46</td>
</tr>
</tbody>
</table>
Task 4.2 Data collection and compilation

- **Who?**
  - DTU and WUR-LEI

- **What?**
  - Definition and protocols for data collection

- **How?**
  - development of spreadsheets
  - Workshop
  - Results task 1.1
  - Costs of the various interventions

- **Results?**
  - Definition of different bio security packages
  - Cost and cost utility of different packages
Task 4.3 Economics

- Task leader: Ron Bergevoet, CVI-LEI
- Participants:

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<thead>
<tr>
<th>No</th>
<th>Deliverable</th>
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<tbody>
<tr>
<td>4.3.1</td>
<td>Research paper on the cost-effectiveness of interventions in different regions in Europe</td>
<td>48</td>
</tr>
</tbody>
</table>
Task 4.3 Economics

- **Who?**
  - WUR-LEI

- **What?**
  - Identification of costs in different regions
  - Baseline data from Farm Accountancy Data Network

- **Results?**
  - Economic model
Task 4.4 Cost-effectiveness on interventions at farm and comparison with interventions post farm

- Task leader: Maarten Nauta, DTU
- Participants: CVI-LEI

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<tbody>
<tr>
<td>4.4.1</td>
<td>Research paper on integration of risk assessment and economy</td>
<td>46</td>
</tr>
</tbody>
</table>
Task 4.4 Cost-effectiveness on interventions at farm and comparison with interventions post farm

- Integration results task 4.2 and 4.3
- Cost-effectiveness of different interventions in different regions
Task 4.5 Future data needs

- Task leader: Maarten Nauta, DTU
- Participants: CVI-LEI

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<tr>
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<th>Month</th>
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<tbody>
<tr>
<td>4.5.1</td>
<td>Report on future data needs</td>
<td>48</td>
</tr>
<tr>
<td>4.4.1</td>
<td>Report on major outcome of WP4</td>
<td>48</td>
</tr>
</tbody>
</table>
WP6 Management

- Merete Hofshagen, NVI
- Other participants: all
Coordinator

- Responsible for legal, contractual, ethical, financial and administrative management
- Chairman of the Executive Board
- Responsible for the scientific direction and reporting of the project
- Will monitor the scientific developments, technical activities and quality of the Deliverables
- Convene and chair meetings of the General Assembly, Executive Board, unless decided otherwise
- At the first meeting of the General Assembly, a Deputy Coordinator will be selected among the WP leaders
Coordinator – cont.

- In particular, the Coordinator shall be responsible for:
  - monitoring the Participants compliance with their obligations
  - collecting, reviewing and submitting reports and other deliverables (including to the European Commission)
  - transmitting documents and information, including copies of Accession documents and changes of contact information to and between Work Package leaders, as appropriate, and any other Participants concerned
  - administering the Community financial contribution and fulfilling the financial tasks (see Grant Agreement)
  - providing, upon request, the Participants with official copies or originals of documents
  - being the (sole) contact point between the Consortium and the EC

- If the Coordinator fails in these tasks, the General Assembly may propose to the Commission that a new Coordinator be appointed.

- The Coordinator shall not act or to make legally binding declarations on behalf of any other Party or enlarge her role beyond the tasks specified in the Grant Agreement
Task 6.1 Consortium Agreement signed

- Task leader: Merete Hofshagen, NVI
- Participants: all

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<tr>
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<tbody>
<tr>
<td>6.1.1</td>
<td>The Consortium Agreement signed by all participants</td>
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</tr>
</tbody>
</table>
Task 6.2 Day-to-day management

- Task leader: Merete Hofshagen, NVI
- Participants: all

<table>
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<tr>
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<th>Deliverable</th>
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<tbody>
<tr>
<td>6.2.1</td>
<td>Management support team appointed</td>
<td>2</td>
</tr>
</tbody>
</table>

Frode A Granås
Head of Economy Dep, NVI

Danica Grahek-Ogden
Management Support Team

- The Project assistant (PA) and Financial Assistant (FA)
  - Hired by the Coordinator
  - Assist in the daily management and in the overall administrative support to the participants.

- PA
  - Organise meetings, collection and distribution of internal reports, results and deliverables, assisting with preparation of internal scientific reports from WP leaders, deadline monitoring, updating contact information from participants, updating web page, overall administrative support to the Coordinator, etc.

- FA
  - Oversee the project finances, payment management, collection and control of cost statements from participants, financial and management activity reports, justification of resources, etc.
Task 6.3 Establish and maintain the Project web site

- Task leader: Merete Hofshagen, NVI
- Participants: all

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<tr>
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<tbody>
<tr>
<td>6.3.1</td>
<td>The Project web site established</td>
<td>4</td>
</tr>
</tbody>
</table>
Task 6.4 Establish and maintain the Communication and Dissemination Plan

- Task leader: Merete Hofshagen, NVI
- Participants: all

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<tbody>
<tr>
<td>6.4.1</td>
<td>Plan for the use and dissemination of foreground presented</td>
<td>50</td>
</tr>
</tbody>
</table>
Task 6.5 Meetings

- Task leader: Merete Hofshagen, NVI
- Participants: all

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<tr>
<th>No</th>
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<th>Month</th>
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</thead>
<tbody>
<tr>
<td>6.5.1</td>
<td>Reports of project's meetings</td>
<td>2, 14, 32, 45</td>
</tr>
</tbody>
</table>
Task 6.5 Reporting to the EC

- Task leader: Merete Hofshagen, NVI
- Participants: all

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<tr>
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<tbody>
<tr>
<td>6.6.1</td>
<td>Regular reports to the European Commission</td>
<td>20, 38, 50</td>
</tr>
<tr>
<td>6.6.2</td>
<td>Report on awareness and wider societal implications</td>
<td>50</td>
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</tbody>
</table>
Executive board

- Coordinator and the WP Leaders - Meetings at least quarterly (telephone, web)

- The Executive Board shall
  - execute and implement decisions of the General Assembly
  - monitor the implementation of the Project
  - prepare meetings of the General Assembly
  - collect information at least every 6 months on the progress of the Project, if necessary, propose modifications to the Plan to the General Assembly
  - initiate, coordinate, and organise the Work Packages
  - support the Coordinator in preparing meetings with the European Commission
  - prepare press releases and joint publications

- Minutes of Executive Board meetings distributed to the General Assembly

- Advise on ways to rearrange tasks and budgets in case of abolished tasks as a result of a decision of the General Assembly
General Assembly

- One representative per participating institution - Meeting at least once a year
- Propose and decide in accordance with the Consortium Agreement
- Proposals from Executive Board shall be considered and decided upon
- The following decisions shall be taken by the General Assembly:
  - Content, finances and intellectual property rights
  - Proposals for changes to Annex I to be agreed by the European Commission
  - Changes to the Consortium Plan (including budget)
  - Withdrawals from and additions to Background to be attached to the Consortium Agreement
  - First meeting: select Deputy Coordinator
  - Evolution of the Consortium
    - New Participant, withdrawal of Participant, Declaration of a Participant to be a Defaulting Participant
  - Proposal to the European Commission for a change of the Coordinator
  - Suspension of all or part of the Project
  - Termination of the Project and/or the Consortium Agreement
Report from Advisory Board
Other matters

- Logo
  - Suggestions before 30 June

- Web pages
  - Anyone with good ideas – nice (cheap) solutions?

- Meetings
  - Web-conference system – anyone?
  - Connect to other meetings?
    - Food Micro 2012, 2014
    - CHRO 2011 (Canada), 2013 (UK?)

- Anything else??
Thanks and have a safe journey home!!