

WORK PROGRAMME for EURCAW-Pigs

European Reference Centre for Animal Welfare – Pigs

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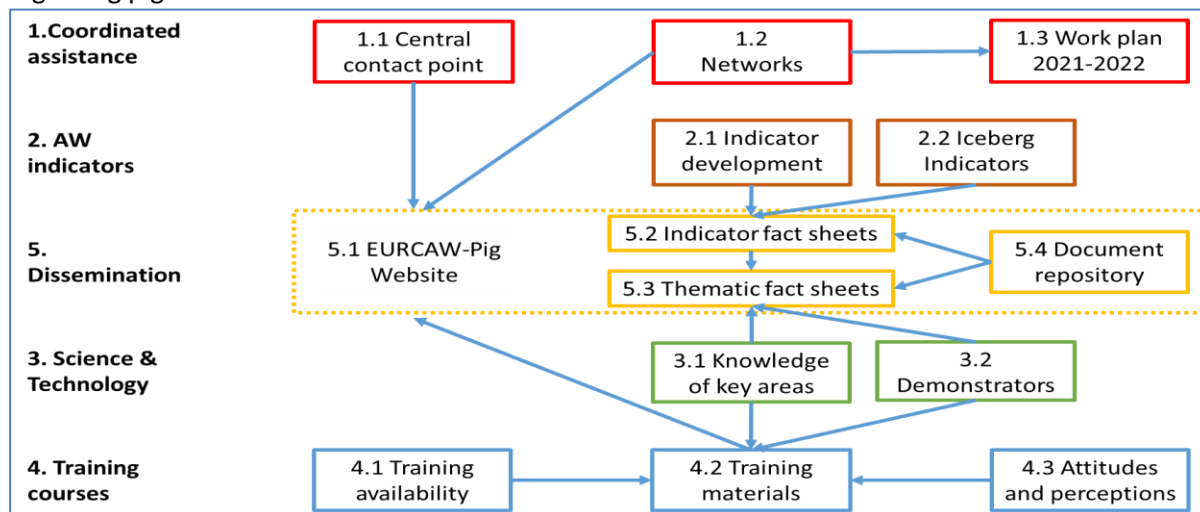
LIST OF ABBREVIATIONS AND KEY WORDS

AU	Arhus University (Denmark)
BTSF	Better Training For Safer Food
CA	Competent Authorities: (a) the central authorities of a Member State responsible for the organisation of official controls and of other official activities, in accordance with Official Controls Regulation (EU) 2017/625, and the rules referred to in its Article 1(2); (b) any other authority to which that responsibility has been conferred; (c) where appropriate, the corresponding authorities of a third country.
DG SANTE	Directorate-General for Health and Food Safety
EFSA	European Food Safety Authority
EURCAW-Pigs	First European Centre of Animal Welfare, focussing on pigs
FLI	Friedrich-Loeffler-Institut (Germany)
Indicator	An indicator is a quantitative, measurable parameter (potentially) indicating an animal welfare aspect which is dealt with in the legislation.
Iceberg indicator	An Iceberg Indicator is an indicator reflecting major welfare issues in an integrative manner in order enable an overview on the welfare state.
MS	Member States of the EU
NCP	National Contact Points. For the purpose of providing scientific support via a network, each Member State shall identify a single contact point and make it publicly available via the Internet. Such contact point shall be responsible for sharing technical and scientific information and best practices regarding the implementation of this Regulation with its counterparts and the Commission (Reg (EU) 1099/2009, Art 20 (2) on welfare at slaughter), in similar terms referred to in Reg (EU) 1/2005, Art 24 (2) (on welfare during transport).
OIE	World Organisation for Animal Health
Open norm	Requirement in the EU legislation which does not unambiguously translate into qualitative or quantitative criteria that can be used to check/verify compliance.
SAB	Stakeholder Advisory Board
Supporting bodies	Organisations or individuals supporting CA's with science, training, communication, research and technical based advise
Target Groups	EURCAW-Pigs primary target groups are the MS competent authorities and policy workers on pig welfare, and their support bodies.
WLR	Wageningen Livestock Research (The Netherlands)

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INTRODUCTION

The activities of this first EU Reference Centre for Animal Welfare (EURCAW) will focus on the welfare of pigs, hence: EURCAW-Pigs. It will cover the entire life cycle from birth to the end of life, and include pig husbandry, transport and slaughter or killing (for other purposes than human consumption). EURCAW-Pigs' main objective is a harmonised compliance with EU welfare legislation regarding pigs.



EURCAW-Pigs has 5 main areas of activity: 1. coordinated assistance, 2. welfare indicators to improve compliance, 3. science & technology needs, 4. training and 5. dissemination. The results of the first four activities will be published as part of the 5th activity: the EURCAW-Pigs website. The central source of technical information on the website will be the 'Dossiers' on priority thematic areas for enforcement (5.3), which will include practical knowledge on indicators (5.2). Both are supported by a document repository (5.4). The full titles of the Sub-activities are:

To support Coordinated Assistance, EURCAW-Pigs will develop the following activities:

Sub-activity 1.1 Central contact point for technical information required by Competent Authorities

Sub-activity 1.2 Networking across supporting bodies, CA's, pig welfare and policy workers

Sub-activity 1.3 Development of the 2021-2022 Work Programme

To promote the use of welfare indicators:

Sub-activity 2.1 Compiling a list of relevant welfare indicators to verify compliance with legislation

Sub-activity 2.2 The identification of 'Ice berg indicators'

Scientific and technical studies will be:

Sub-activity 3.1 Existing knowledge of key areas of concern related to EU pig welfare legislation

Sub-activity 3.2 To identify demonstrator farms, transport companies or slaughter houses

For training, EURCAW-Pigs will:

Sub-activity 4.1 Describe and evaluate training activities and materials use

Sub-activity 4.2 Set standards for training activities, develop course types and materials

Sub-activity 4.3 To produce guidelines on how to change perceptions and attitudes

EURCAW-Pigs' dissemination activities will include:

Sub-activity 5.1 Developing & maintaining a 'EURCAW-Pig portal'

Sub-activity 5.2 Development of 'Indicator Factsheets' for welfare inspection purposes

Sub-activity 5.3 Development of Dossiers and 'Thematic Factsheets' on prioritised welfare areas

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Sub-activity 5.4 Repository with relevant documents and other items

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ACTIVITIES

Regulation (EU) 2017/625 - Article 96:

The European Union reference centre for animal welfare shall be responsible for the following supporting tasks insofar as they are included in the reference centres' annual or multiannual work programmes that have been established in conformity with the objectives and priorities of the relevant work programmes adopted by the Commission in accordance with Article 36 of Regulation (EU) No 652/2014

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COORDINATED ASSISTANCE - WLR

Article 96 (a): Providing scientific and technical expertise within the scope of their mission including, where appropriate in the form of coordinated assistance, to relevant national support networks and bodies in the area governed by the rules on the welfare requirements for animals.

Sub-activity 1.1 Central contact point for technical information required by Competent Authorities (WLR)

EURCAW-Pigs should have an easy access point for technical queries of its primary target groups. EURCAW-Pigs is not an emergency service, and does not have to respond immediately. However, queries should be dealt with correctly and within reasonable time. Queries and answers should also be used to grow the knowledge within EURCAW-Pigs on provide an even better or quicker service in future.

Objectives:

- To open an email account for technical questions by competent authorities and supporting bodies, and to respond to queries within two working days.
- To produce a FAQ-section on the website where Frequently Asked Questions and answers are made public for future reference.

Description:

The email account info.pigs@eurcaw.eu will be opened for business at the start of EURCAW-Pigs and will be checked regularly on a daily basis by the secretariat at Wageningen Livestock Research. The secretariat books any queries from competent authorities, policy workers or support bodies as 'tickets' in a query log. The booking will include the

- date and time of receipt,
- the identity of the sender of the query,
- the original query,
- the identification of the EURCAW-Pigs colleague who will respond.

If queries are suspected not to have come from the above mentioned target groups, a confirmation email will be sent to clarify the status of the requestor. Those that do not belong to the target group will receive a standard email explaining the reason for rejection.

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Valid queries will be forwarded immediately to the EURCAW-Pigs colleague, and an indicative reply will be requested so that the query can be replied to. The secretariat will monitor the process of answering the query, and pursue that the final answer is given as soon as possible.

The secretariat will respond to the sender of the query within 2 working days: by acknowledging receipt and either answering the query immediately or by providing an indication of when a reply might be expected. Email interactions with the sender will be logged with the ticket.

When the final answer is provided to the sender, the answer will be logged, and the ticket will be closed. The date and time of closure of the ticket will be recorded. Queries and answers will be evaluated for inclusion in a list of frequent asked questions (FAQ). FAQ will be developed, maintained and published on the webpage (see Sub-activity 5.1)

Expected output and timing:

- An up-to-date query log at any time during the contract period, with all queries receiving an initial response within two working days of receipt by EURCAW-Pigs.
- A list of FAQs will be developed, maintained and published on the website of EURCAW-Pigs. A first version will be uploaded by July 2019, and this will be updated monthly (see Sub-activity 5.1).

Sub-activity 1.2 Networking across supporting bodies, CA's, pig welfare and policy workers (WLR)

Objectives:

- To improve and harmonise the technical knowledge of CA's, pig welfare policy workers and supporting bodies in the EU by face-to-face interaction and dialogue
- To make sure that EURCAW-Pigs can optimize its services by staying well aware of, and updated on the main concerns and expectations within its primary target group.

Description:

This Sub-activity will involve two main activities: the organisation of four regional EURCAW-Pigs meetings in Europe, and the involvement of EURCAW-Pigs in meetings of three existing networks.

Regional meetings

During the first two years of EURCAW-Pigs it will organise four regional meetings with the primary target groups in that region. The meetings will be held:

- in the spring of 2019 in The Netherlands for the Western region (NL, DE, BE, AT, FR, IE, LU)
- in the autumn of 2019 in Italy for the Mediterranean region (IT, ES, PT, MT, CY, GR)
- in the spring of 2020 in Denmark for the Nordic region (DK, SE, FI, LV, LT, EE)
- in the autumn of 2020 in Slovakia for the Eastern (BG, HU, HR, PL, RO, SI, SK, CZ)

At each meeting at least one delegate from the member states in that region will be invited by EURCAW-Pigs. The meetings will last for two days. Where possible, the meetings will be broadcasted via internet to the audience concerned.

On the agenda will be:

- introduction and update of EURCAW-Pigs activities
- the status of EU law enforcement in each MS, focussing on technical problems and issues
- potential new links between EURCAW-Pigs and MS activities, e.g. any national reference centres
- suggestions for improved functioning of EURCAW-Pigs

EURCAW-Pigs will use these meetings and the interactions with the target groups as the basis for developing the Work Programme 2021-2022 (Sub-activity 1.4).

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Existing networks

There are currently three networks active which aim to support direct dialogue between EURCAW-Pigs's target groups. They are:

- The network of contact points for Dir (EU) 1099/2009 (on stunning and killing of animals), coordinated by EFSA in Parma (Italy)
- The pig welfare network addressing Dir (EU) 58/1998 and Reg (EU) 120/2008 (on pig husbandry), coordinated by unit F2 of DG SANTEs, located in Grange (Ireland)
- The network of contact points for Dir (EU) 1/2005 (on transport of animals), coordinated by unit F2 of DG SANTEs, located in Grange (Ireland)

EURCAW-Pigs will take part in these meetings, present EURCAW-Pigs intermediate results and activities when appropriate, provide expert opinion if necessary and ask for feedback from the networks regarding EURCAW-Pigs' future role and functioning.

National Welfare Reference centres

EURCAW-Pigs will contact the national references centres that have been designated by their ministries. In 2018 national centres were identified in France, Sweden, Finland and Italy. More national reference centres will be sought. At least one skype or physical meeting will be held annually between EURCAW-Pigs representatives and each of these centres in 2019.

The points of discussion during the first meeting will be:

- Role and responsibilities of the national reference centre
- Role and responsibilities of EURCAW-Pigs
- Possible ways of collaboration

During subsequent meetings the progress of the collaboration will be evaluated and developed further.

Expected output and timing:

- Presence of EURCAW-Pigs members during the annual meetings in 2019 and 2020 of the three networks organised by EFSA and the Unit F2 of DG SANTE in Grange.
- Four regional meetings for which each MS in the region is invited to send at least one person, and attended by at least 3 EURCAW-Pigs members per meeting. One meeting will be held in the spring and autumn of 2019 and 2020, thus four meetings in total.
- A summary of the discussions and outcomes for each of the regional meetings, which will be submitted to SANTE within one month after a meeting.
- An overview of the discussions and outcomes of the first round of annual meetings with each of the national reference centres identified in the EU member states, by December 2019.

Sub-activity 1.3 Development of the 2021-2022 Work Programme (WLR)

The designation of the centre covers the period 2018-2022, and a Work Programme for 2021-2022 will be required at the end of the first two year period to which the current Work Programme relates.

Objectives:

- To develop the EURCAW-Pigs Work Programme 2021-2022.

Description:

EURCAW-Pigs will develop the next Work Programme on the basis of inputs received during the execution of the current plan. This involves suggestions obtained through discussions with the Commission and MS representatives, as well as the FAQs (Sub-activity 1.1) and feedback from during regional meetings and at network meetings (as described in Sub-activity 1.2).

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EURCAW-Pigs will also set up a Stakeholder Advisory Board (SAB), consisting of 20 delegates representing the pig supply chain and related professional organisations, the civil society and some competent authorities of the Member States. The exact composition of the SAB will be determined in the beginning of 2019. The Commission will be invited as an observer.

The invitations will be for two annual meetings in Brussels. The agenda is based on the 5 Activities of EURCAW-Pigs. It will include ample time for any other business suggested by the delegates. The delegates are asked to provide advice regarding the functioning and future activities of EURCAW-Pigs.

Expected output and timing:

- Meeting reports with recommendations from the Stakeholder Advisory Board meetings, submitted to DG SANTE in July 2019, December 2019 and July 2020.
- A Work Programme for the period 2021-2022, to be delivered to DG SANTE in December 2020.

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ANIMAL WELFARE INDICATORS - FLI

Article 96 (b): Providing scientific and technical expertise for the development and application of the animal welfare indicators referred to in point (e) of Article 21(8);

The Article 21 (8) (e) refers to possible rules on the cases and conditions where official controls to verify compliance with animal welfare requirements may include the use of specific animal welfare indicators based on measurable performance criteria, and the design of such indicators on the basis of scientific and technical evidence.

Article 96 (c): Developing or coordinating the development of methods for the assessment of the level of welfare of animals and of methods for the improvement of the welfare of animals.

Sub-activity 2.1 Compiling a list of relevant welfare indicators to verify compliance with legislation (FLI)

In order to harmonise the interpretation of animal welfare requirements and to verify compliance with the European pig welfare legislation, the Competent Authorities require standardized and relevant welfare indicators. To be relevant an indicator needs to be valid, feasible, reliable and refer to compliance with EU legislation.

Objectives:

- EURCAW-Pigs will provide a list of indicators suitable to verify compliance with Directives 98/58/EC and 2008/120/EC (on farm), Regulation (EC) No 1/2005 (transport), and Regulation (EC) No 1099/2009 (slaughter).

Description:

EURCAW-Pigs will compile a list of existing indicators that can be used to verify compliance with the EU legislation on pigs. Indicators will be obtained from indicator schemes already used by official inspectors in different MS, publications from support bodies and other sources such as scientific studies. EURCAW-Pigs will describe the level of validity, reliability and feasibility of indicators to be used by official inspectors, and thereby support a minimum standard across EU member states. Evaluation will be done based on scientific publications, and in addition, the indicators will be evaluated with respect to their relevance concerning the EU regulations mentioned above. The compiled overview will include animal based, management based and resource based indicators. It will also include a description of standard methods, i.e. how the respective indicators should be recorded and how quality can be assured. Animal based indicators will be included particularly with regard to addressing 'open norms' in the legislation.

There are more than 200 specific requirements that are included in the EU regulations for the on farm, transport, and slaughter processes of pigs. EURCAW-Pigs will start with indicators selected from the most prioritised welfare areas of pigs (based on interviews with CAs and policy makers in 2018):

Regarding 1099/2009 (welfare at slaughter):

1. Handling in lairage
2. Pig stunning techniques

Regarding 1/2005 (welfare during transport):

4. Climate control and space allowance on the truck

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5. Fitness for transport

Regarding Directives 98/58/EC and 2008/120/EC (welfare on farm):

6. Sow group housing and mixing
7. Farrowing management and housing
8. Tail biting

The selected indicators covering the above eight welfare areas will be discussed with members of the relevant networks from Sub-activity 1.2 in order to ensure that the criteria for selection, description and presentation of indicators meet the expectations of policy makers, CAs and official inspectors. Depending on the outcome of these discussions, EURCAW-Pigs will adjust the procedure of selecting, describing and presenting the indicators. EURCAW-Pigs will then proceed to include indicators covering other areas of the legislation. The focus will be on indicators related to 'open norms' in EU legislation. In addition, relevant networks (see Sub-activity 1.2) will be asked for further important pig welfare areas within Directives 98/58/EC and 2008/120/EC (on farm), Regulation (EC) No 1/2005 (transport), and Regulation (EC) No 1099/2009 (slaughter) that should be addressed by EURCAW-Pigs and for which indicators are needed.

Expected output and timing:

- A list of relevant indicators addressing the eight prioritised welfare areas will be compiled by June 2019.
- A subset of indicators from 2 prioritised areas will be described regarding their level of validity, reliability and feasibility, discussed with users, and submitted to Sub-activity 5.2 by August 2019, for development into Indicator Factsheets.
- All remaining descriptions of indicators pertaining to the eight prioritised welfare areas are submitted to Sub-activity 5.2 by December 2019.
- The descriptions of at least 30 further indicators addressing other pig welfare areas will be submitted to Sub-activity 5.2 by October 2020.

Sub-activity 2.2 The identification of 'Iceberg Indicators' (FLI)

Competent authorities and official inspectors emphasized the need for 'Iceberg Indicators' during the interviews done in 2018. These indicators will help the official inspectors to have a quick and qualitative overview on possible animal welfare problems on a certain farm, transport, or abattoir which they visit.

Objectives:

- EURCAW-Pigs will provide Iceberg Indicators that can be used by official inspectors to obtain a quick overview on possible welfare problems on farm, transport, and at abattoirs.

Description:

Based on the work done in Sub-activity 2.1, potential Iceberg Indicators will be identified and described. Iceberg indicators reflect major welfare issues in an integrative manner, to enable a quick assessment of the welfare status. These indicators will be few, and easy to record. They allow a first qualitative assessment, and may differ from the more specific indicators compiled in Sub-activity 2.1. For a more detailed understanding of the welfare status and of compliance with legislation, the inspectors will need to use the list of indicators developed in Sub-activity 2.1.

The starting point for identifying Iceberg Indicators on farm will be the six welfare aspects addressed by DG SANTE in the Member State action plans to reduce risks for tail biting:

- a. Enrichment material
- b. Cleanliness

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- c. Thermal comfort and air quality
- d. Health status
- e. Competition for food and space
- f. Diet

Indicators covering these areas will most likely also cover other welfare areas, related to the four principles of Welfare Quality: good feeding, good housing, good health, and appropriate behaviour. Their validity, reliability and feasibility will be described in a comparable manner as done with the indicators in Sub-activity 2.1. Potential Iceberg Indicators will be discussed in the relevant networks of Sub-activity 1.2. Following their contributions, short reviews with clear (photographic) descriptions will be developed for each of the selected Iceberg Indicators. These will be used in Sub-activity 5.2 to develop Factsheets for publication on the EURCAW-Pigs website.

Expected output and timing:

- Potential Iceberg indicators for a qualitative assessment of welfare problems on farm, transport, and abattoir (less than 10 per area) will be discussed with members of relevant networks, and a list of selected Iceberg indicators will be decided by December 2019.
- A review document on each Iceberg indicator will be developed by April 2020 and forwarded to Sub-activity 5.2.

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3

SCIENTIFIC AND TECHNICAL STUDIES – FLI

Article 96 (d): Carrying out scientific and technical studies on the welfare of animals used for commercial or scientific purposes;

Sub-activity 3.1 Existing knowledge of key areas of concern related to EU pig welfare legislation (FLI)

Competent authority inspectors are expected to have a good understanding of pig farming, transport and slaughter house practices. Although their primary task is not to provide advice on everyday practical issues, their knowledge should go beyond merely checking the indicators to monitor implementation of the legislation. Inspectors may engage in dialogue with farmers, drivers and slaughterhouse staff, and need to have a good understanding of what the practical situations look like when the law is implemented correctly. This is particularly important when dealing with ‘open norms’ in the legislation. A review document on best practices will help them to visualise the required outcomes, and can help in discussions with those who’s operation is inspected.

Objectives:

- EURCAW-Pigs will work on filling perceived gaps in knowledge which currently hamper implementation of EU legislation, through scientific and popular reviews.
- To support, with scientific and technical expertise illustrated through a series of practical reviews, the implementation of pig welfare legislation across the member states, in particular with respect to ‘open norms’.
- EURCAW-Pigs will identify remaining questions for which further research is needed.

Description:

EURCAW-Pigs will address the key areas of concern raised during the interviews in 2018. A total of eight reviews will be developed, covering the three main pieces of legislation.

Regarding 1099/2009 (welfare at slaughter):

1. Handling in lairage
2. Pig stunning techniques

Regarding 1/2005 (welfare during transport):

4. Climate control and space allowance on the truck
5. Fitness for transport

Regarding Directives 98/58/EC and 2008/120/EC (welfare on farm):

6. Sow group housing and mixing
7. Farrowing management and housing
8. On farm killing

EURCAW-Pigs will investigate relevant EFSA reports and additional literature studies. It will interview scientific and practical experts, to form the basis for a review document which provides a summary of key practical information for inspectors on the specific welfare area. The draft review will be developed further through an iterative process with experts from supporting bodies from at least 5 member states per review, covering all regions referred to in Sub-activity 1.2. This will ensure that the knowledge summary is practical and relevant to competent authorities. It is anticipated that about three iterative steps will suffice to finalise the review.

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Prior to publication, the reviews will be submitted for consultation to the relevant network on slaughter, transport or farming legislation mentioned in Sub-activity 1.2. Any proposed final changes will then be dealt with by the EURCAW-Pigs team. Following approval, the reviews will form the basis for the Dossiers and Factsheets of the EURCAW-Pigs website to be developed in Sub-activity 5.3.

Expected output and timing:

- The reviews will be produced and released one at a time, in June, September and December of 2019, and again in March, June, September and the last two in December of 2020. Therefore, by the end of the two year contract period, all 8 reviews will be available.

Sub-activity 3.2 To identify demonstrator farms, transport companies or slaughter houses (FLI)

Demonstration of good practices are excellent ways and proven methods of dissemination of knowledge, exchanging ideas, harmonize assessments, and change attitudes. Demonstration of good practices on how to deal with welfare requirements for which compliance in the MS is low, was considered a high priority by the interviewees in the 2018 work program. These good practices need to be seen in a full systems context (farm, transport company, abattoir).

Objectives:

- EURCAW-Pigs will identify farms, transport companies and abattoirs demonstrating good practices of implementation of EU legislation.

Description:

Collaboration with the ongoing H2020 project 'EU-PiG' will be sought to identify demonstrator farms, transport companies and abattoirs, in as many Member States as possible. EU PiG is an EU funded project coordinated and led by farmer organisations from leading European pig Member States: <https://www.eupig.eu/>. EU-PiG organises a 'Grand Prix' every year, to identify best practices of farms and companies in the pig sector. They use the popular pig press for this. The winners are awarded the status of 'pig ambassador', and their achievements are celebrated and published in the media.

In collaboration with EU-PiG, EURCAW-Pigs will identify operators who apply good practices in the areas mentioned in Sub-activity 2.1, and are willing to demonstrate this to others. EURCAW-Pigs will establish an agreement with them aiming to show their good ideas to a broader audience, and evaluate their performance from a scientific point of view.

The EURCAW-Pigs demonstrators will show how legal EU requirements that have a low level of implementation in other farms, transport companies, and abattoirs can be implemented. The good practices of the demonstrators will also address the welfare areas identified in Work Programme 2018 as most important (see Sub-activity 3.1).

Each demonstrator should either be open for interest visitors in person, or through virtual tours. The demonstrators should be commercial operators, representative for standard farming, transport and slaughtering procedures. Demonstrators will also need to have a strong cooperation with veterinarians and other advisors.

Inclusion criteria will be described by EURCAW-Pigs in collaboration with national reference centres and national scientific support bodies. Each demonstrator candidate is asked to provide technical and economic information if necessary, so EURCAW-Pigs can help to understand and explain why these operators are able to perform the way they do.

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EURCAW-Pigs will present the EURCAW-Pigs demonstrators and the story behind their success on its website in Sub-activity 5.1, and linked to the Dossiers of Sub-activity 5.3. If possible, the demonstrators will be used where relevant in Sub-activity 4.2 and 4.3.

Expected output and timing:

- In four MS one demonstrator farm, one transport company and one abattoir is identified (a total of 12 demonstrators) and their good practices are scientifically described by July 2020.
- The demonstrators will be used for training (see Sub-activity 4.2 and 4.3) if feasible. In addition, they will be presented at the EURCAW-Pigs portal (Sub-activity 5.1) and the information obtained from demonstrators will be included in the Dossiers and 'Thematic Factsheets' developed in Sub-activity 5.3.

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4

TRAINING COURSES - AU

Article 96 (e): conducting training courses for staff of the national scientific support networks or bodies, for staff of the competent authorities and for experts from third countries;

Sub-activity 4.1 Describe and evaluate training activities and materials use (AU)

The BTSF training courses funded by DG SANTE provide for training of MS representatives of various aspects of pig welfare legislation (on farm husbandry, transport, slaughter). The cascading of knowledge from this European level to the MS level does not happen automatically, and should be supported by EURCAW-Pigs.

Objectives:

- EURCAW-Pigs will provide MSs with an overview of currently used training activities and materials used in the Member States and identify gaps.
- EURCAW-Pigs will specify the additional training needs for inspectors, that are required at MS level

Description:

EURCAW-Pigs will ask a selection of national training organisations of MSs, obtained through its activities in 2018, to send their course plans and training materials. This material will be used to generate an overview of state-of-the-art of training in relation to pig welfare, on farm, during transport and during slaughter. EURCAW-Pigs will analyse the data, describe what is common and identify gaps when it comes to training of inspectors across the EU on relevant pig welfare topics.

Finally, EURCAW-Pigs will prepare a questionnaire to be sent out to a selection of inspectors who have taken part in recent national courses. The questionnaire will ask for their preference and suggestions regarding the 8 prioritised welfare areas presented in Sub-activity 2.1, and provide knowledge on further training needs for all MS's.

Expected output and timing:

- An overview of the state-of-the-art of training and training materials used in MS will be described by June 2019.
- A report on the outcome of the questionnaires will be present by September 2019
- An overview of MS inspectors' knowledge concerning compliance criteria and the use of welfare indicators to assess them, is available in October 2019.
- A report with materials on focus areas for training is presented by December 2019, and the materials are submitted to Sub-activity 5.4 to be included in the document repository.

Sub-activity 4.2 Set standards for training activities, develop course types and materials (AU)

Training activities can vary widely in the level of quality, relevance and practicality for inspectors with different education and professional experience. Poor quality training will result in poor uptake of knowledge, and a waste of resources. There is currently no central registration or coordination of training activities on pig welfare legislation to CAs in the EU Member States.

Objective:

- To provide MS with minimum (quality) standards for training activities on pig welfare in husbandry, transport and slaughter.

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- To provide examples of training materials that support the training activities and calibration of compliance criteria for main welfare topics.
- To provide translations of the standard and training materials into at least 6 official languages of the EU.

Description:

EURCAW-Pigs will firstly set standards for course types and for course content within the identified focus areas identified in Sub-activity 4.1. This will be done by a) describing which *knowledge is needed* by inspectors to understand the welfare implication of each of the given welfare topics, and b) by describing which *training methods* are most suited to transfer knowledge to trainees.

Secondly, EURCAW-Pigs will prepare training materials on the prioritised welfare areas of Sub-activity 2.1. The materials will be varied in composition, including e.g. presentations, best practice examples, group discussions, mini-exams and visits to demonstration facilities identified in Sub-activity 3.2.

The draft training course will be run at a workshop with a selection of training bodies representing different regions of the EU. Their feedback will be used to finalise the materials, prior to release.

Expected output and timing:

- A report describing standards for training materials for each of the 8 prioritised welfare areas, by December 2019.
- A set of draft training materials for each of the focus areas will be linked to the Dossiers of Sub-activity 5.3 and submitted to the document repository of Sub-activity 5.4, by June 2020.
- A workshop for national training bodies, in which the draft material will be presented and evaluated with the attendees, (by September 2020).

Sub-activity 4.3 To produce guidelines on how to change perceptions and attitudes (AU)

Economic operators' attitudes and perception of animal welfare are important elements, when it comes to understand why they sometimes show ambivalence or resistance towards changes in their production system. Guidelines from EURCAW-PIGS to change, risk-taking, perception and attitudes will address the incentive motivation which inspectors can use as a tool when it comes to handle ambivalence and make a change happen.

Objectives:

- EURCAW-PIGS will look into already existing research/knowledge about economic operators' attitudes, perception and willingness to change in relation to areas connected to animal welfare (or similar issues) and bring this knowledge forward to be useable by inspectors doing inspections on-farm, at transport or in slaughter.
- EURCAW-Pigs will look into existing knowledge on communication in areas related to ambivalence, resistance and risk and bring this knowledge forward

Description:

EURCAW-Pigs will analyse already existing material on attitudes and perception among economic operators and make a compilation of the results in a popular version— making them useable as guidelines for inspectors in their daily work.

EURCAW-Pigs will make recommendations on the use of possible systems of communication that can be applied by inspectors who need to support change happen in areas where economic operators show ambivalence and/or resistance. Relevant demonstrators (see Sub-activity 3.2) will be considered for illustrating whole systems consequences of changes.

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Expected output and timing:

- A report/overview of knowledge on economic operators' attitudes /perception in relation to animal welfare and guidelines for inspectors how this knowledge can be used in connection with trainings materials (December 2019)
- Recommendations in relation to use of possible systems of communication which inspectors can work with when handling economic operators' resistance and ambivalence (June 2020)

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5

DISSEMINATING RESEARCH AND INNOVATIONS - WLR

Article 96(d): disseminating research findings and technical innovations and collaborating with Union research bodies in the fields within the scope of their mission.

Sub-activity 5.1 Developing & maintaining a 'EURCAW-Pigs portal' (WLR)

Objectives:

Relevant and actual information to support enforcement of pig welfare legislation is available and easily accessible via the EURCAW-Pigs website, for the main target groups: Competent Authorities, Welfare policy workers and supporting bodies.

Description:

In 2018, the EURCAW-Pigs website's functional requirements regarding lay-out and content were translated into a first framework for the website. The homepage of the website is structured along the primary legislative areas of pig farming – transport – slaughter, via three main 'tiles'. New tiles will be added in the next two year Work Programme. The tiles will lead to 8 'Dossiers' on the prioritised welfare areas, with all outputs produced in this Work Program.

Via Sub-activity 5.2 they will present the knowledge on indicators generated in Activity 2;

Via Sub-activity 5.3 they will present knowledge on prioritised welfare areas (Activity 3) and training opportunities (Activity 4);

Via Sub-activity 5.4 they will provide access to all documents collected through this Work Program.

In addition, the website presents:

- Contact details of the Centre, and a 'one click' contact possibility.
- List of key experts on slaughter, transport, and various aspects of pig husbandry, and an introduction about each expert to stimulate users 'getting in touch'. Identity and access management of the EURCAW-Pigs Online Portal will be strictly compliant with the EU General Data Protection Regulation (GDPR)¹.
- 'Latest news' and agenda
- A form to subscribe and unsubscribe to newsletter (to be sent 4 times a year)
- A link to the YouTube channel
- Disclaimer, rules of conduct
- A list of Frequently Asked Questions FAQs (first list July 2019)

In a restricted area for CA's, Policy workers and support bodies, the website will offer:

- A workspace for joint writing of documents that can be published by EURCAW later;
- Community building activities to stimulate that people involved will meet and visit each other, exchange and share experiences;
- Pre-releases of documents from the Centre;
- The possibility for discussion or Q&A's on 'sensitive issues'

A Project Team Area, that provides:

- A workspace for EURCAW-Pigs consortium members only.

¹ <https://eugdpr.org/>

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Name	Aims	Target group	Restrictions
Internet Portal	<ul style="list-style-type: none"> • Availability of relevant documents in a structured way by dossiers and through a repository with a search engine on the website (5.4) • Availability of requirements to fulfil EU regulations and compliance criteria in a structured way through Dossiers on Indicators and Welfare Areas with a search engine (5.2 and 5.3). 	CA's, policy, supporting bodies, general public	Anyone can access this, so also farmers, journalists, industry, etc.
Restricted area (intra net) plus 'Chatroom'	<ul style="list-style-type: none"> • Discuss future publications with target group • Discussion on sensitive matters • Store documents (video's, papers) under construction • Community building activities 	CA's, policy, supporting bodies	Restricted access network members: identified persons from all member states
Project team area (intra net)	<ul style="list-style-type: none"> • Store and share project management documents within the team 	Project team	Only accessible to project team members

Expected output and timing:

An attractive and informative website visited regularly by the primary target audience of CA, policy workers, support bodies, inspectors and farmers. Number of unique visitors to the website and visits to specific content of the website will be monitored (statistics in monthly reports). The portal will publish relevant new knowledge and continuously be 'work in progress'.

Sub-activity 5.2 Development of 'Indicator Factsheets' for welfare inspection purposes (FLI)

Interviews of EURCAW-Pigs done in 2018 revealed that CAs and official inspectors ask for easily accessible and reliable indicators to verify compliance with the requirements of the European pig welfare legislation.

Objectives:

- EURCAW-Pigs will develop a set of Indicator Factsheets that will meet these requirements.

Description:

The Indicator Factsheets will be based on the results of Sub-activity 2.1 (on key welfare areas) and 2.2 (providing Iceberg Indicators on the welfare aspects of MS action plans). The indicators will be linked to the respective paragraphs of the relevant EU legislation. Prior to release, the Factsheets will be discussed with at least six official inspectors and adjusted based on the outcome of these discussions.

In addition, a short and simple description of the method to use this indicator will be given.

A menu on the EURCAW-PIG webpage will allow to search for a suggestion for relevant indicators either by legislative paragraphs or by keywords. In case a user is interested in more detailed information on the respective indicator (e.g. information on its validity and reliability, origin), or on comparable/alternative indicators, this information can be found in the document repository of Sub-activity 5.4.

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Expected output and timing:

- Two subsets of Indicator Factsheets are developed, discussed, and adjusted to the expectations of users, by October 2019.
- Fact sheets on all Iceberg indicators of Sub-activity 2.2 will be developed and published by July 2020.
- All indicators described in Sub-activity 2.1 and 2.2 are available on the EURCAW website as Factsheets, by December 2020.

Sub-activity 5.3 Development of Dossiers and ‘Thematic Factsheets’ on prioritised welfare areas (WLR)

Sub-activity 3.1 developed reviews on 8 key areas related to the welfare legislation. These will be the basis for specific Dossiers made available via the EURCAW-Pigs website.

Objectives:

- The EURCAW-Pigs website will present Dossiers including a set of Thematic Factsheets that provide a quick and easy overview to current knowledge on key areas of pig welfare.

Description:

Each of the three main areas on the EURCAW-Pigs website (Husbandry – Transport – Slaughter) will be subdivided into basic underlying welfare issues, for which ‘Dossiers’ will be built. A dossier is a collection of documents, video’s, news and other items related to that particular topic. They will include information in ‘common language’:

- via ‘Question and Answer’ lists
- by addressing legal aspects of the welfare issue
- by linking to demonstrators identified in Sub-activity 3.2
- by including any relevant training materials identified in Sub-activity 4.1
- through practical examples, presented e.g. through video clips
- by including relevant Indicator Factsheets
- by summarising the available knowledge in Thematic Factsheets

The Thematic Factsheets will be based on the results of Sub-activity 3.1 (on prioritised welfare areas). They will be written by the EURCAW-Pigs team, and proof-read prior to release by at least 6 representatives of competent authorities.

A search function on the website will allow users to enter a legislative paragraph or a keyword to find relevant information in each of the dossiers. In case a user is interested in more detailed information on the respective welfare area (e.g. information on the scientific or practical background to certain statements), this information can be found in the document repository of Sub-activity 5.2.

Expected output and timing:

- A draft version of the first two Thematic Factsheets is developed, tested, and adjusted to the expectations of users by October 2019.
- All Dossiers and Factsheets described in Sub-activity 3.1 are included on the website by December 2020.

Sub-activity 5.4 Repository with relevant documents and other items (WLR)

Objectives:

Documents needed by CAs or support bodies are available for further study or background information, and can be found in a repository with keywords through a search engine.

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Description:

The website will link to a repository containing all the relevant scientific, legal and technical documents on the relevant welfare issues. Types of documents included in the database:

- EU Policy documents
- Relevant legal documents
- Scientific papers
- Relevant farming press publications

The documents will be identified through the work in Activities 2, 3 and 4. An international team of experts will process the items one by one. Each items will have a set of key words and short summary attached to it. These short texts and the key words can be scanned by the search engine of the website, and links to the items can also be found in website's Dossiers and Factsheets.

Expected output and timing:

A repository with search function which is part of the open area of the EURCAW-Pigs website (by December 2019).

REMARKS

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