

88TH ADVISORY FORUM
STOCKHOLM, 27-28 JUNE



CALL FOR PROPOSAL ANIMAL WELFARE

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BACKGROUND (1)

- Proposals are related **to the core business of EFSA's Risk assessment** on animal welfare and covers important aspects: animal welfare risk assessment (integration of **positive welfare in Animal welfare Risk assessments**), monitoring **animal welfare risk assessment using animal-based measures** (AW surveillance and monitoring) and **animal transport** (AW during transport and heat stress in the EU).
- These proposals foresee **collaboration & benefit with other units in EFSA** (FEEDCO), collaboration with **EU-Reference Centers** for Animal Welfare (e.g. Pigs and ruminants/Equidae (<https://eurcaw-pigs.eu/> & <https://www.eurcaw-ruminants-equines.eu/>) and with ongoing **EU COST action** (i.e. LIFT Cost action).



CALL FOR PARTNERSHIP : GRANT – CALL #1

New call → Open Grant (Art. 36 Organizations) – Total 1 M€

Call reference: [GP/EFSA/BIOHAW/2023/03](#) Call title: Animal care & welfare: welfare-related research on heat stress during transport, and dairy herd welfare indicators.

- 2 Lots of activities:
 - Lot 1: Risk-based model for dairy herd welfare: Field data collection (500 k€)
 - Lot 2 – Modelling effective temperatures inside a livestock truck and demonstrating the conditions that will allow the animals to drink (500 k€)
- The two lots are independent from each other!
- You may submit an offer for one or both lots but your offer should indicate clearly for which lot you are applying. In case you decide to apply for both lots, a technical and financial offer for each lot must be provided.



CALL FOR PARTNERSHIP : GRANT – CALL #1 LOT 1

- LOT 1 - RISK-BASED MODEL FOR DAIRY HERD WELFARE: FIELD DATA COLLECTION
 - Validation of risk-based model developed by EFSA working group
 - Request is to sample ~500 dairy herds across Europe to test feasibility of model
 - List of ~10 indicators to be sampled

How can their welfare be improved ?



Giving them enough space to move around freely and comfortably, and avoiding the use of tie-stalls.



Making sure that there is enough space for each cow in cubicle houses, by providing at least one cubicle per cow.



Ensuring that each cow has enough space to move and lie down comfortably, by providing at least 9m² of space per cow in indoor housing.



Providing sufficiently thick bedding material, to ensure that the cows are comfortable and healthy.



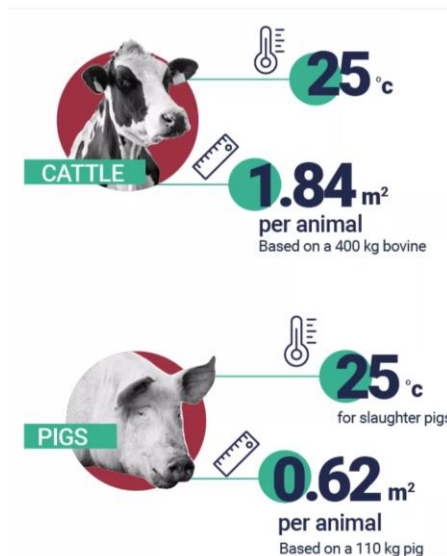
Having brushes available for cows in loose-housing systems to help them stay clean and comfortable.



CALL FOR PARTNERSHIP : GRANT – CALL #1 LOT 2

LOT 2 - Modelling effective temperatures inside a livestock truck and demonstrating the conditions that will allow the animals to drink.

- Modelling the temperature and humidity inside the transport vehicle, based on weather data, stocking densities etc.
- Testing model with field data
- Demonstrating the space allowance, type and placement of drinkers that ensures access to water



Theory

Notation

A	compartment envelop area, m^2
C	specific heat of air, $Wh\ m^{-2}\ K^{-1}$
I	solar radiation, $W\ m^{-2}$
P_{prod}	heat production inside compartment, W
Q	ventilation air flow, $m^3\ h^{-1}$
T	temperature, K or $^{\circ}C$
U	heat transfer coefficient, $W\ m^{-2}\ K^{-1}$

Subscripts

I	inside
O	outside
P	constant pressure

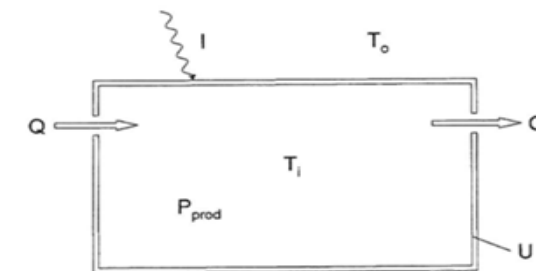


Figure 1. A simplified model of compartment heat balance.



OPEN CALL FOR TENDER: CALL #2 – POSITIVE WELFARE (3 YEARS)

New call → Open Call – Total 500k€

Call Reference: [OC/EFSA/BIOHAW/2023/03](#)

Subject: **Developing a Methodology to Assess Positive Animal Welfare Using Behaviour analytic and Ethological Approaches**

So far, animal welfare research focussed on the development of indicators of negative welfare

- **Objectives:** Develop a robust methodology to assess and interpret animals' choices and define and validate indicators for positive animal welfare on farm
- **Work package 1: Developing a methodology to assess positive animal welfare on farm**
 - Identification of optimized environment under laboratory conditions for at least two farm animal species using choice tests
 - Development of reliable indicators for positive welfare under laboratory and field conditions
- **Work package 2: Recommending experimental protocols to measure the effect of feed additives on animal welfare**
 - Description of the potential effects of feed additives on animal welfare
 - Identification of welfare measures for feed additives
 - Recommendations for experimental protocols to measure the effect of feed additives on animal welfare



TIMELINES & LINKS

- Open Tender Call : OC/EFSA/BIOHAW/2023/03 Developing a Methodology to Assess Positive Animal Welfare Using Behaviour-analytic and Ethological Approaches. **Launch on 4 July 2023 and open until 27 September 2023**

see: <https://etendering.ted.europa.eu/cft/cft-display.html?cftId=14842>

- Open grant Call 2 lots: GP/EFSA/BIOHAW/2023/03 - Animal care & welfare: welfare-related research on heat stress during transport, and dairy herd welfare indicators. **Launch on 27 June and open until 15 September 2023**

see: <https://www.efsa.europa.eu/en/art36grants/article36/gpefsabiohaw202303-animal-care-welfare-welfare-related-research-heat-stress>



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