

Work plan

Title: Using the effect of space allowance on feeding, drinking and resting behaviour in assessing heifers welfare

Cost Action FA 1308 DairyCare

Tripon Iulian, PhD

Objectives	Activities	Resources	Timetable/milestones	Expected results
1. To determine the feeding, drinking and resting behaviour of heifers	Measurements on the number and the length of feeding periods;	Surveillance video system	(done in Romania at Home institution) Collection of data about the behaviour of heifers when different space allowances are used by recording the behaviour of calves for 48 hours for each experiment. Analysis of the data by counting and timing the periods for each type of behaviour.	Recordings for the behaviour of heifers. Data about the amount of time heifers spend for each of the behaviours.
	Measurements on the number and the length of rumination periods			
	Measurements on the number and the length of drinking periods			
	Measurements on the number and the length of resting periods;			
2. Assessing the welfare of heifers using the effect of different space allowances on the behaviour of heifers	Data analysis on heifers behaviour	Statistical analysis software	(duration 1 month, at NAGREF from 05 of January 2014 till 05 of February 2014) Analysis of the data from Objective 1 which will result in the identification of the influence that the different space allowance has on the	The differences on the behaviour of heifers when different space allowances were used. One scientific publication to be send to a SCI journal.

			behaviour of heifers. Assessment of heifers' welfare based on behaviour measurements. Training in modern techniques for measuring animal welfare and behaviour. Preparation of at least one scientific publication to be sent to a SCI journal	
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Applicant for the STSM:

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