

Work plan

A work plan for the Norway Poland collaboration under DairyCare Cost Action.

This work plan is a follow up of our DairyCare Cost meeting in Copenhagen in August 2014. In contacts by email and Skype later with Professor Tormod Ådnøy, we have found that there is a good perspective for an effective collaboration between Norway and Poland.

The STSM of mine is going to be in February, 2015, for a period of 5 days.

I will be hosted by Professor Tormod Ådnøy, Norwegian University of Life Sciences, As, Norway

The main aims of my STSM to Norway are:

1. statistical analysis of data on risk factors for subclinical ketosis (SCK) in dairy herds in Poland (we are going to analyze the data from about 20 000 herds).
The data set will consist of milk recording data obtained by Polish Federation of Cattle Breeders and Milk Producers (milk yield, milk composition, days open, calving period, area of Poland, size of a herd etc.) as well as data on management system (grouping, system of feeding, education of farmer etc.) of dairy cows in these herds, obtained by interviews;
2. improvement of our Polish, unique system of monitoring of SCK based on milk chemical composition analysis (ketone bodies: acetone and betahydroxybutyrate acid), by using alternatively the Norwegian method of analyzing the FTIR (MIR) spectra - Norwegian partner has reached very high competence in this area.
Poland is a first country in the world in which the whole population of recorded cows is being monitored for SCK;

3. looking for additional ways of using FTIR spectra in dairy cow management and breeding.

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