

## **Abstract by Johannes Frandsen - Prognosis of Dairy Production – a tool to improve planning on dairy herds**

Prediction of the production on the dairy herd is getting more and more important. The increasing size of the herds and the economic conditions – in Denmark anyway – demands specific production plans and budget in order to optimize the production. Danish Cattle Federation has for number of years offered this service for farmers and their advisors, and during the years developed the tool with more data a sophisticated model in order to make more precise predictions. It gives us a tool which in a very clever way convert the huge amount of data in the Central Cattle Databale to useful decision support to the farmer. The basis in the tool is a system of standard lactation curves. They are calculated from more than 300.000 lactations in Danish Herds. This system is able to predict the milk production from the single cow on day-level based upon the following information: