

# Abstract 1

## **Implementation of a web application for management of bovine and pig carcasses classification data in Wallonia**

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### **Introduction**

The CW3C (Walloon Cell for Control of Carcasses Classification), created by the Walloon Region in 2007, is the official organism responsible in Wallonia for (1) checking the carcasses classification of large cattle and pigs, (2) checking the autocontrol procedure of the slaughterhouses, (3) and ensure the transmission of the classification data to the animals owners and the official authorities.

For beef, the classification results include the category, the class of conformation, the fat cover class, the warm carcass weight and the carcass presentation. For pigs, they include the warm carcass weight and the lean-meat content.

To reach the third objective (transmission of the classification data), the CW3C has proceeded to the development of a web application for management of classification data.

### **Material and methods**

The web application developed by CW3C is located on a hosting web space and involves a communication interface (web pages), a data base (MySQL) and a FTP (File Transfer Protocol) server.

The slaughterhouses send the classification results (text files) to the FTP server. Once checked, the data are inserted in the database. In order to access to the data of their animals, the producers can ask for a login ID and password. Via the web pages of the communication interface, they can download PDF files containing the data. This service is free of charge.

Official authorities are able to have an access for consulting data and control reports and making research in the database.

The CW3C proceeds to exchanges with the Flemish Region in order to obtain the data of wallon large cattle and pigs that have been slaughtered in Flanders (and *vice versa*).

### **Results and Discussion**

The web application (database and FTP server) is functional since the 1st January 2008. During the year 2008, the CW3C collected 208,748 data for carcasses of large cattle and 1,280,942 data for pigs carcasses.

The online access to the classification data by web pages is available for the producers since the 1st March 2009. There are up to now 200 registered members and about 1,200 connections on the CW3C site.

The web application can be used as "a control tool" : the animal producers can have access to classification data of their animals in order to check the conformity with data supplied by the slaughterhouses. These data are useful for the economical management of their production.

The web application can be used as "a zootechnical tool" : the classification data can be used by breeders organizations in order to improve genetical value of cattle or to assess pigs feed efficiency.

The web application can be used as "a statistical tool" : the CW3C establishes trimestrial or annual statistics to be provided to the regional authorities or to the European Commission.

## **References**

Commission Regulation (EC) N° 1249/2008 of 10 December 2008 laying down detailed rules on the implementation of the Community scales for the classification of beef, pig and sheep carcasses and the reporting of prices thereof. Official Journal of the European Union, L 337 : 3-30.

Arrêté du Gouvernement wallon du 1<sup>er</sup> avril 2004 portant détermination de la grille de classement et des modalités d'application pour le classement des carcasses de gros bovins et des carcasses de porcs. Moniteur Belge du 12.05.2004. F 2004-1648 : 37997-38006.

Arrêté ministériel wallon du 19 juin 2007 portant détermination de modalités d'application pour le classement des carcasses de gros bovins. Moniteur Belge du 11.07.2007, F. 2007-3022 : 37875-37876.

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