

P36

A *Salmonella* database to monitor and centralize regulatory own-checks results (CE) n°2073/2005 obtained by slaughterhouses

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Salmonellosis is a major cause of foodborne outbreaks caused by bacteria in Europe. In 2014, the European Commission reinforced the survey of this contaminant in the pig industry by the competent authority. In this context, French General Directorate for Food required a new system to centralize regulatory own-checks results for *Salmonella* in pig carcasses.

In 2014, the national pork trade association (INAPORC) has funded the development of a web application for collecting and analyzing the microbiological own checks performed by the French pig slaughterhouses. That year, among the three proposed procedures for the supervision of European regulation (EC) n°854/2004 modified by regulation (UE) n°218/2014, the French General Directorate for Food chose to collect results of regulatory own-checks (EC) n°2073/2005 performed by French pig slaughterhouses. The annual output results are transmitted to EFSA according to Directive 2003/99/EC for the monitoring of animal diseases and infections.

This innovative approach has been validated by the representatives of French pig slaughterhouses, the national pork trade association and the French Institute for pig and pork industry (IFIP).

In 2015, the IT team in cooperation with the fresh and processed meat department of IFIP has developed the web application: <https://pdc.ifip.asso.fr> .

Since January 2016, the French pig slaughterhouses have been able to input their microbiological own checks data into the web application. In December 2016, all the 166 approved French pig slaughterhouses sent their data to the database: <https://pdc.ifip.asso.fr> . Since 2017, a computer data retrieval system has transmitted to the French General Directorate for Food the results of regulatory own-checks for *Salmonella*. In addition, this web application allows pig slaughterhouses to monitor their process hygiene criterion in particular by cumulative attributes control charts.

In 2018, the application was improved by allowing data implementation of own checks data of ruminant animals (cattle, sheep, goats and horses) and with an additional module allowing data implementation of chemical and physical hazards for every species.