

# Food track & trace ontology for helping the food traceability control

T. , G. Mirabelli, M.A. Sanz-Bobi, F. Gómez

**Abstract—** This paper describes a food ontology developed for traceability purposes. The Food Track&Trace Ontology (FTTO) is part of a general framework devoted to managing food traceability and it has been developed with the aim of being connected with a Global Track&Trace Information System. The main goal of the proposed FTTO Ontology is to include the most representative food concepts involved in a SC all together in a single ordered hierarchy, able to integrate and connect the main features of the food traceability domain. FTTO is formed by four modules food, service products, processes and actors involved in the supply chain. This paper describes the main features of the FTTO ontology and some examples of application.

**Index Terms—** Food, Food Processing, Traceability, Ontology, OWL, BPMN

Due to copyright restriction we cannot distribute this content on the web. However, clicking on the next link, authors will be able to distribute to you the full version of the paper:

[Request full paper to the authors](#)

If your institution has an electronic subscription to Journal of Food Engineering, you can download the paper from the journal website:

[Access to the Journal website](#)

**Citation:**

, T.; Mirabelli, G.; Sanz-Bobi, M.A.; Gómez, F.; "Food track & trace ontology for helping the food traceability control", *Journal of Food Engineering*, vol.120, no., pp.17-30. January, 2014.