Smart Food and Agribusiness

Future Internet for Safe & Healthy Food from Farm to Fork

The Project Summary...

SmartAgriFood is a European Project that aims to boost application and the use of Future Internet capabilities in agri-food sector in order to be viable and effective. Farmers are installing decision support systems that use the advanced network capabilities and the advanced services of Information Technology and Communications (ICT). In that way they can ensure better and higher production of quality and safe products. The project will maintain, manage and provide full information about traceability in agricultural food products for all stages of processing and trading in the supply chain. The customer by accessing the data of all stages of the food chain has the capability to control the

The Pilot System...

OPEKEPE in one of the activities of the project made a series of meeting with potential users from all parts of the food chain and especially with farmers aiming to meet the current and future needs of the different stakeholders of the food chain. The National Kapodistrian University of Athens (NKUA) has developed an advanced and innovate pilot system for the cultivation of the greenhouse tomato. Different sensors have been installed inside the greenhouses that record the temperature, the soil moisture, the air humidity etc. The system can give to the user an online view of the greenhouse. Having access to the Internet, the user can have a variety of services and can perform different actions inside his greenhouse. :

🌱 Day by day updated program created by the task plan analyzer

🌱 View of the farm through cameras and the control of the farm over internet

🌱 Provide online agricultural advices that aim to ensure the optimal environmental conditions inside the greenhouse

🌱 Send alerts by sms or emails at the users in the emergency case

🌱 Search buyers for their products

🌱 Simplification of the procedures for the certification of products etc

The consumer having access to the available data of the FMS ensure the quality, the transparency and the good prices of the products.

· Information about the project: http://www.smartagrifood.eu

· Video for the greenhouse pilot (mockup):

http://www.youtube.com/watch?v=OBqzR_Nn1Zg&feature=youtu.be

· Video from the real system:

http://www.youtube.com/watch?v=zsOEL3nEqtU&feature=youtu.be

· Questionnaire for the Evaluation of the greenhouse pilot :

http://obsurvey.com/S2.aspx?id=347e800d-a879-47b0-ae57-23102c722875