

Developing the Sustainable Supply Chain System

The agricultural sector has an important share in both job creation and foreign trade transactions and therefore very important for the country's economy.

In our country, approximately 53,3 million tons of fresh fruits and vegetables are produced annually, which are worth approximately 80 billion liras. But it suffers from huge losses, from the field to the table. Losses occur during harvesting, during the transport of crops to the market, in the market preparation phase, in the storage process and in the consumer phase.

It is the process of providing raw materials by working together with various businesses such as supply chain, supplier, manufacturer, distributor and retailer, turning these raw materials into end products and delivering them to retailers and consumers.

A properly planned supply chain is required to minimize losses in agricultural products. There are 333.173 hectares of agricultural land in Mersin, which has an area of 1.585.300 hectares. Field area of 150.346 hectares of existing agricultural land, 147.102 hectares of fruit area, 35.640 hectares of vegetable field and 83 hectares of ornamental plants. Mersin, is the 5th rank in Turkey in agricultural production value. and produces 2.6 million tons of fruit and 2.3 million vegetables per year.

There are deficiencies in supply chain management in our city with high production potential. For this reason, Mersin Provincial Directorate of Agriculture and Forestry has developed a supply chain software. All the informations, such as stock, price, yield, etc. at every stage from the manufacturer to the consumer, can be accessed in this supply chain software. Mersin, which has a wide agriculture production range, has 13 districts. This software is still used in 6 districts and only for 2 products.

Now we are testing this software in our city on specific products. But we want to improve and update this software, which will be feasible for all supply chain management implementation. We decided to apply for the ICT-AGRI-FOOD 2019 project by collaborating with the countries using the same software to eliminate technical deficiencies and implementation problems.

The ERA-NET Cofund ICT-AGRI-FOOD aims to support research projects with potential impact to enable digital technology solutions for a transition towards more sustainable and resilient agri-food systems. The call is funded by 28 institutions from 22 countries, 3 European regions and the European Commission.

Thematic area

Topic 1 - Data-driven ICT platforms and solutions to improve the sustainability of agri-food Systems

Topic 2 - Identify and address barriers for adoption of ICT technologies in the agri- food systemsFor this reason we are looking for foreign partners for eliminating the defect in the Project.

In the project implementation, we plan to visit our overseas partners related to the supply chain syteam, to develop existing software, to train the staff on software and to organize the “Sustainable Supply Chain Workshop”.

If you like to be a partner of our project, please contact us.

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Best regards...

Thanks.