YEARLY INTERNAL PROGRESS REPORT

Project Acronym: AgroIT

Grant Agreement number: 621031

Project Title: AgroIT – Increasing the efficiency of farming through on open standards based AgroIT platform

Project type: **Pilot B**

Periodic report: **2nd**

Period covered: **from 1.3.2015**   **to 29.2.2016**

PUBLISHABLE SUMMARY

The overall objective of AgroIT project is *to implement and integrate AgroIT platform*. This overall objective will be achieved through the following objectives: Implementation of mobile applications, integration of services and applications to enable extensive data collection, Implementation of advanced decision support for farming and Integration and creating open standards for integration. In the second year of project a considerable part of project objectives has been achieved as follows:

1. Implementation *of mobile applications*: software partners (Datalab, Pessl, Efos, SEGES, Sinergise) have implemented various functionalities in their mobile applications,
2. *Integration of services and applications to enable extensive data collection*: Pessl, Efos and FreedomGrow have implemented various functionalities in their software products, which are in general data collection (from various sensors or other sources) oriented,
3. *Implementation of advanced decision support for farming*: University of Ljubljana has designed various methods for decision support modules of partners according to their needs. The implementation has started in the beginning of the third year of the project,
4. *Integration and creating open standards for integration*: Cloud integration platform has been implemented and software partners have deployed various services to it. Draft version of standard has been defined and the selection of standard organisation to submit it is now in progress.

As the project has not finished by now, the objectives are not fully fulfilled yet. First two objectives are very close to be fulfilled, improvements of existing functionalities and some new functionalities will be implemented by the end of the project based of suggestions by farmers. Third objective is fulfilled partially, but according to its mission it is expected since implementation of advanced decision support methods was planned for the last implementation phase. The most part of the fourth objective has already been fulfilled. Partners will first finish standard definition process and submit standard in the second half of 2016.

As part of AgroIT project there are pilot projects organised in various EU countries: Slovenia, Poland, Macedonia, Romania, Denmark and Austria. All together 100 pilot farms use various software products and equipment. In the second year of the project pilot iteration has started (and was almost finished) and based on the analysis of first pilot iteration, the second was planned and the third pilot iteration will be planned.

Consortium partners have performed various dissemination activities on fairs, universities, conferences and through the media. The influence and potential results, which project will enable in the future, are being well accepted by farmers and farming organisations. It has become obvious that the integration of various software products and equipment is something what farmers need, want and are aware of the advantages it brings.

Project public web site can be found at the following URL: www.agroit.eu