D.T 3.1.1

Operational methodology to stimulate favourable background for the large uptake of precision farming competences in CE

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WP3 Operational Methodology to stimulate favourable background for the large uptake of precision farming competences in CE

In this document we are going to resume the operational methodology of the activities provided in the WP3. Take into consideration that the aim is to spread out the Precision farming (PF) ideas and state of the art and its requirements within the regional policy , educational, industrial, financing and innovation network.

Following the recommendations of the EU development strategy prepared and put into force Regional Innovation Strategies RIS3 with the focus on new technologies implementation taking into account 4th Industrial Revolution widely known as Industry 4.0.

That may be a misleading name which is not only touching industry as a branch, but also agriculture in all its specializations as the most modern IT related technologies are the technology efficiency development driving force.

The Transfarm 4.0 Interreg project deals within the Smart Agrifood field of work. It is structured in different work packages (WP) and its implementation follows this scheme:

- WP1: Benchmarking precision farming potential in each pilot region and delivery of 1 transnational business plan
- WP2: Pilot actions to bring precision farming innovations, designed in a collaborative transnational environment
- WP3: Addressing R&D regional agenda (RIS3) to increase investments & specialisation in precision farming

This methodology document is addressing the 3rd Work Package which consist of many actions related to the:

- Activities related to the strengthening regional PF technologies and specializations via S3 regional and local strategies
- Updating regional and local policies and innovation systems by promoting new innovation, educational and management services
- Providing some consultancy and proposals for the identification and setting up of new investment schemes of Precision Farming technologies development and implementation
- Cluster of activities focused on extending of the PF model and establishment of the transferability measures for expansion of the PF idea and cooperation network beyond CE area.

The first packages deal with activities related to the strengthening regional PF technologies and specializations via S3 regional and local strategies. Partners activities will be dedicated to the:
- Consultation with the local and regional S3 managers to discuss new possible supporting schemes for the further development of technical skills update, new educational programs introduction and possible financing sources to implement those. (D.T3.1.3)
- Consultation with regional financing institutions about possibilities of identifications of various available financial resources and their use to impact regional economy via support for the agri sector, PF namely (D.T3.1.4)
- Partners based on WP2 results will elaborate the set of scenarios that PF may implicate or contribute or take from regional industrial sector in the way of setting up the foresight scenario for the 2030 (D.T3.1.2)
- Based on above activities every partner will develop and Regional Action Plan that will identify actions and possible ways of further PF development with regard to the technology, economic importance and regional smart specializations of the future (D.T3.1.5)

The second package of project activities is dedicated to the preparation of the ground for update of regional and local policies and innovation systems by promoting new innovation, educational and management services. This will be done by:
- elaboration of the Road Map that will set up regional/local goals of the partner's regions which will include topics and foreseen actions of new possible management services, financing and

investment strategies and educational programmes for the future development of PF (D.T3.2.1) (D.T3.2.2)

- activities related to the identifications of the skills and capacity gaps existing in the regions and education and consultancy services in the field of innovative IT technologies needed for the development of modern precision farming sector. This will be done via screening of the university students (D.T3.2.6)
- preparation and implementation of the set of activities related to the enhancement of the capacity building potential and professional skills of the PF working professionals (D.T3.2.3) (D.T3.2.4) (D.T3.2.5)

Third set of activities will focus on setting up an CE future excellence network in Precise Farming and evaluation of the supporting schemes for the network development and integration throughout Central Europe value chain. Related to the above activities set of actions will include:

- Package Leader with PP's will analyse the potential risk of the join network undertakings with regard to the valorisation and exploitation of the outcomes and possible obstacles and problems which may arise (D.T3.3.4)
- Partners will analyse the possible governance model for the creation of the specialized network of PF industrial, R&D, clusters and producers with the scope of join project development and products creation (D.T3.3.1), identify with industrial and research partners promising products or technology applications to asses initial capital requirements (D.T3.3.2)
- And finally partners will analyse the option of the transnational network sustainability conditions and requirements for the cross-CE value chain in PF (D.T3.3.3) and set-up the proposed investment scheme for the continuity of transnational cooperation (D.T3.3.5)

Finally, the fourth set of actions include a cluster of activities focused on extending of the PF model and establishment of the transferability measures for expansion of the PF idea and cooperation network beyond CE area.

- This will start wthi the preparation of the trainers for future busines consultancy services (D.T3.4.3)

- Following that activity partners will identify new business support organizations like Clusters for the expansion of the new organizational model of open innovation scheme (D.T3.4.1) and will end that activity with training for that new identified organizations to increase options of creation new linkages with peripheral regions end expand technologies of advanced manufacturing (D.T3.4.2)
- That set of activities will end up with the MoU or Letter of Intent for the future cooperation of the outside regions with the key stakeholders and industrial actors, innovation organizations with the ET Platforms for Advanced Manufacturing, DG Industry and DG Agri (D.T3.4.4)