



PRACTICE ABSTRACT

Digital technology

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INNOSETA

INNOVATIVE SPRAYING EQUIPMENT TRAINING AND ADVISING

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INNOSETA (Innovative Spraying Equipment Training Advising) is a project funded by Horizon 2020, which has developed a freely accessible repository of innovative spraying technology, training material, projects and papers tailored to the needs of the spraying community.

This project supports the transfer of knowledge to practice in the field of application and management of phytosanitary products and, thus, improve the efficiency of agriculture.

The lack of functional Agricultural Knowledge and Innovation Systems (AKIS), as well as innovation platforms regarding spraying technologies, results in gaps known to the actors concerned, but not currently bridged. In the research framework of INNOSETA, extension and advisory services play an intermediate role in negotiating with other actors to create a relevant AKIS network.

More specifically the project's approach includes:

- i) Creating an inventory of spraying equipment and technologies, training materials and advisory tools from available research results and commercial applications
- ii) Assessing the SETA (Spraying Equipment Training and Advising) end-users' needs and interests, and identifying factors influencing adaptation, while also taking into account regional specificities
- iii) Facilitating interactive multi-actor collaborations, specially international network of researchers and farmers
- iv) Creating an on-line platform for the assessment of SETA materials and allow crowdsourcing of grassroots-level ideas and needs.

Application scenario

Innovative practices for spraying equipment, training and advising

Digital technologies

data sharing and repository services, online platform

Socio-economic impact

- Economic: provide material for better economic assessment of investment and practices
- Environmental: widespread adoption of environmentally-sustainable farming/industrial practices, pest and phytosanitary management and application
- Social: connecting stakeholders, learning, transparency, compliance

More info: <https://platform.innoseta.eu/>

Purpose of the tool

The aim of the INNOSETA project is to set-up a thematic network on innovative spraying equipment, and advising and training practices, designed for the seamless exchange of knowledge among researchers, farming communities and industries. This network will connect research and commercial solutions with newly identified needs and innovative ideas, aiming to bridge the gaps between research, innovation and real needs in this area. Furthermore, the INNOSETA project opts to assess end-users' interests and needs and identify the factors that influence a farmer's practices regarding the adoption of innovative spraying technologies.

The project promotes the exchange of new ideas and information between industry, university and research centres and the agricultural community. Thus, existing scientific and commercial solutions can be widely disseminated and applied, with respect to the identified needs of the sector.

Description of the tool

The INNOSETA platform is a freely accessible repository of innovative spraying technology, training material, projects and papers tailored to the needs of farmers. The tool aims to be a one-stop shop for all information on spraying innovations. Each record provides relevant information on the SETA such as a short abstract, links to more information and related websites, field of application, and type of sprayer/operation/technology. Filters allow users to fine-tune the search results on crop systems, but also on applications and sprayer types or on the effects of the innovation or on keyword selection and language. To date, over 800 records are included in the platform and the content is growing each day. The content of the INNOSETA Platform varies among industry products, training material, information on projects relevant to SETA, and scientific articles. It is available in all eight project languages.

Areas of socio-economic impacts

Social	Guidance to the platform users to comply with regulations, support farmer's work in acquiring recognition from the interested communities, provide training on innovative equipment, provision of communication linkages among practitioners and individuals with advisory capacity.
Economic	Help users in foreseeing profit benefits, assessing the long-term benefits of technological equipment investments, access to cost-benefit analysis tailored to their needs, increase the effectiveness of Plant Protection Product (PPP) applications.
Environmental	Indirect benefits coming from the user's adoption of less environmentally stressful practices and better use of resources.