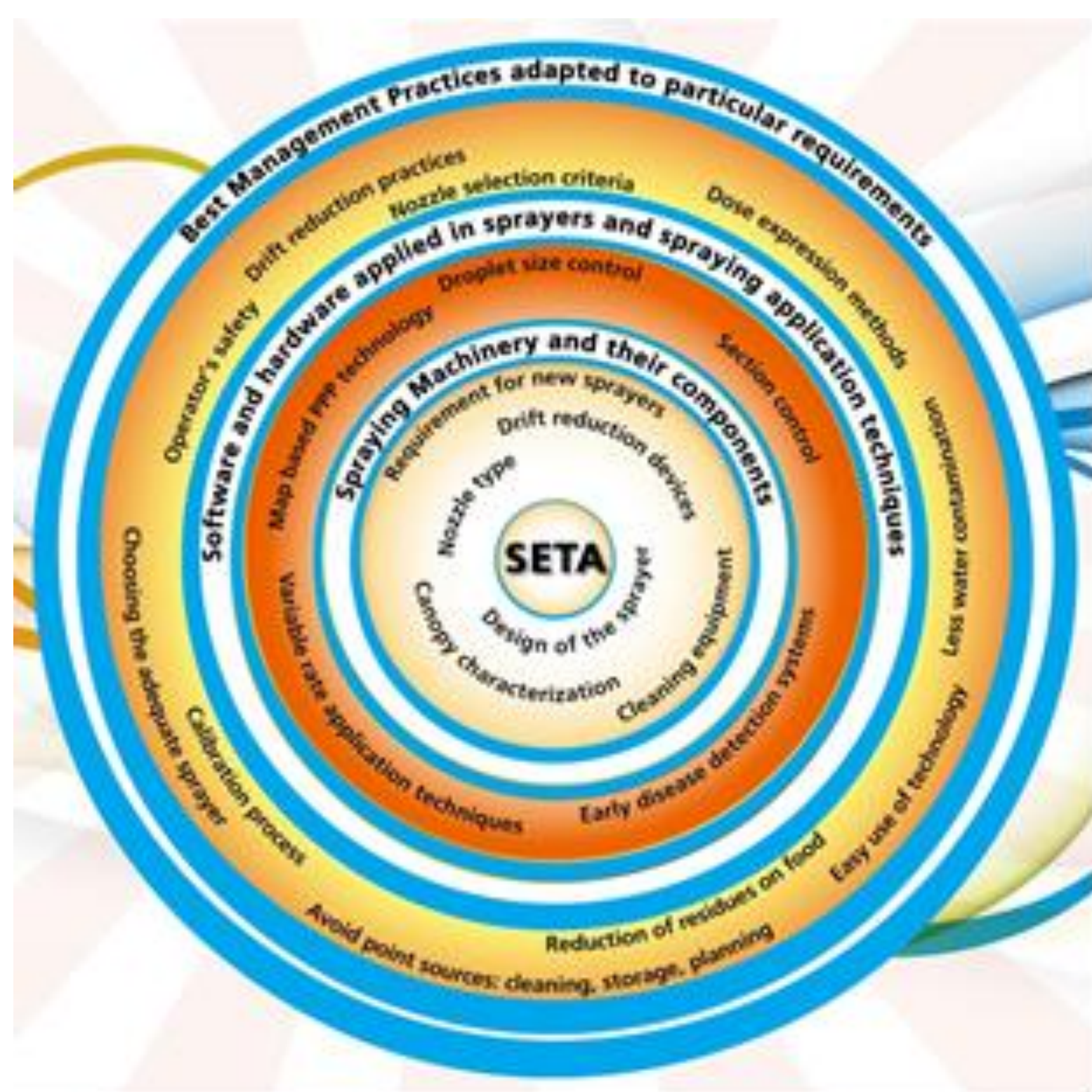


Accelerating Innovative practices for Spraying Equipment, Training and Advising in European agriculture through the mobilization of Agricultural Knowledge and Innovation Systems

The Problem

Innovative Spraying Equipment, Training and Advising (SETA) have experienced in the last years important improvement that can improve significantly Plant Protection Product (PPP) field application. Sprayers have better efficiency and safety, while a large list of Best Management Practices (BMP), complemented with new training and advising methods for end-users, is available. However, there is still gap between research developments and the actual use of the available tools and practices by the farmers, especially for this large number of small and medium producers with limited access to the information.



Examples of SETA (inner to outer circle: Spraying Machinery and their components, Software and hardware in sprayers and spraying application techniques, Best Management Practices)

INNOSETA Overall Objective

The main objective of INNOSETA is to set up an Innovative self-sustainable Thematic Network on SETA to contribute in closing the gap between the available novel crop protection solutions with the everyday EU agricultural practices by promoting effective exchange of novel ideas and information between research, industry, extension and the farming community so that existing research and commercial solutions can be widely communicated, while capturing grassroots level needs and innovative ideas from the farming community.

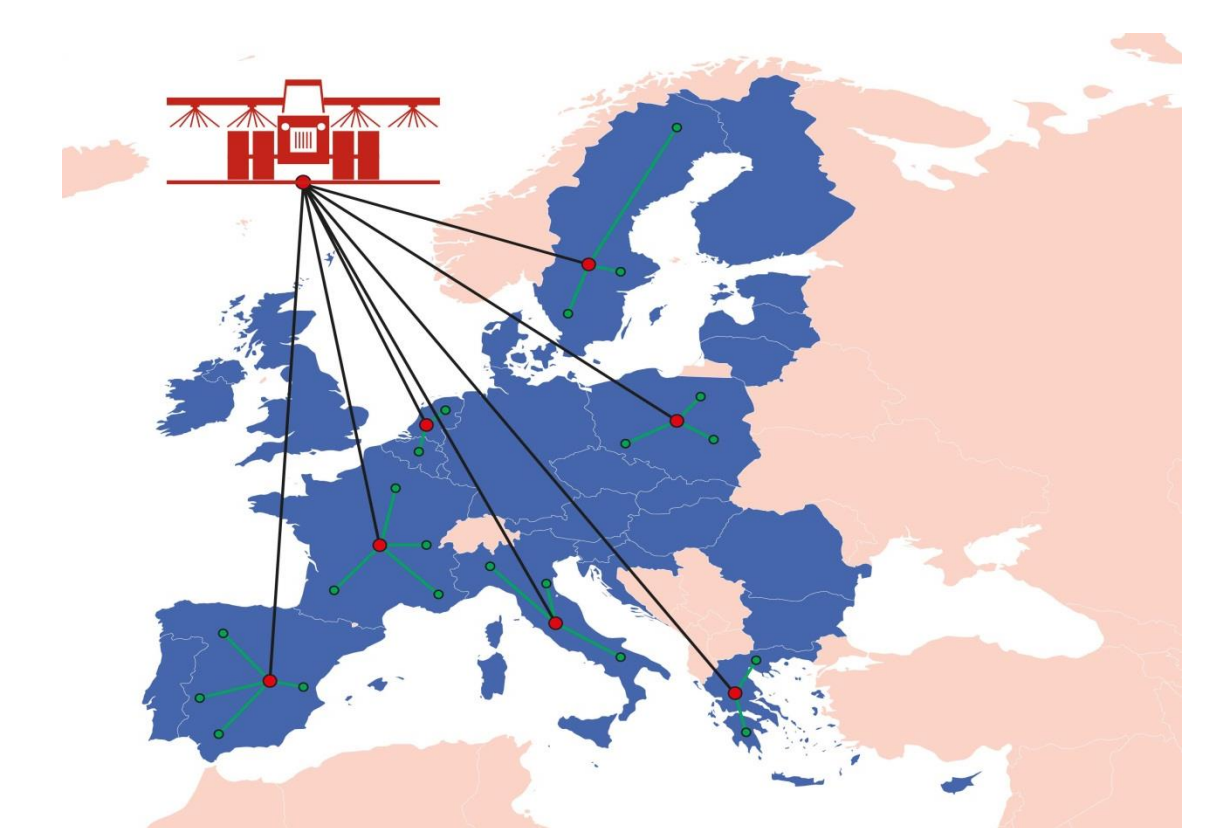
The Approach

INNOSETA is based on a “Multi Actor Approach”, including in the consortium research organizations and seven organizations owned/ruled by farmers or directly working for them that through their direct links with regional Agricultural Knowledge Innovation Systems actors (cooperatives, unions, agroindustry, etc.) as well as Operational Groups, will create seven innovation “hubs” in SETA issues.

The cropping systems addressed by INNOSETA differ according to the agro-climatic conditions, as well as the specificities of the agricultural value chain of the particular regional “hub”.

| # | Regional/national hub | Cropping system |
|---|--------------------------|----------------------------------|
| 1 | Spain | Orchards, Vineyards, Greenhouses |
| 2 | Italy | Orchards, Vineyards, Cereals. |
| 3 | France | Orchards, Vineyards, Cereals. |
| 4 | Greece | Orchards, Vineyards, Greenhouses |
| 5 | The Netherlands, Belgium | Cereals, Vegetables, Greenhouses |
| 6 | Sweden | Cereals, Vegetables, Orchards |
| 7 | Poland | Cereals, Vegetables, Orchards |

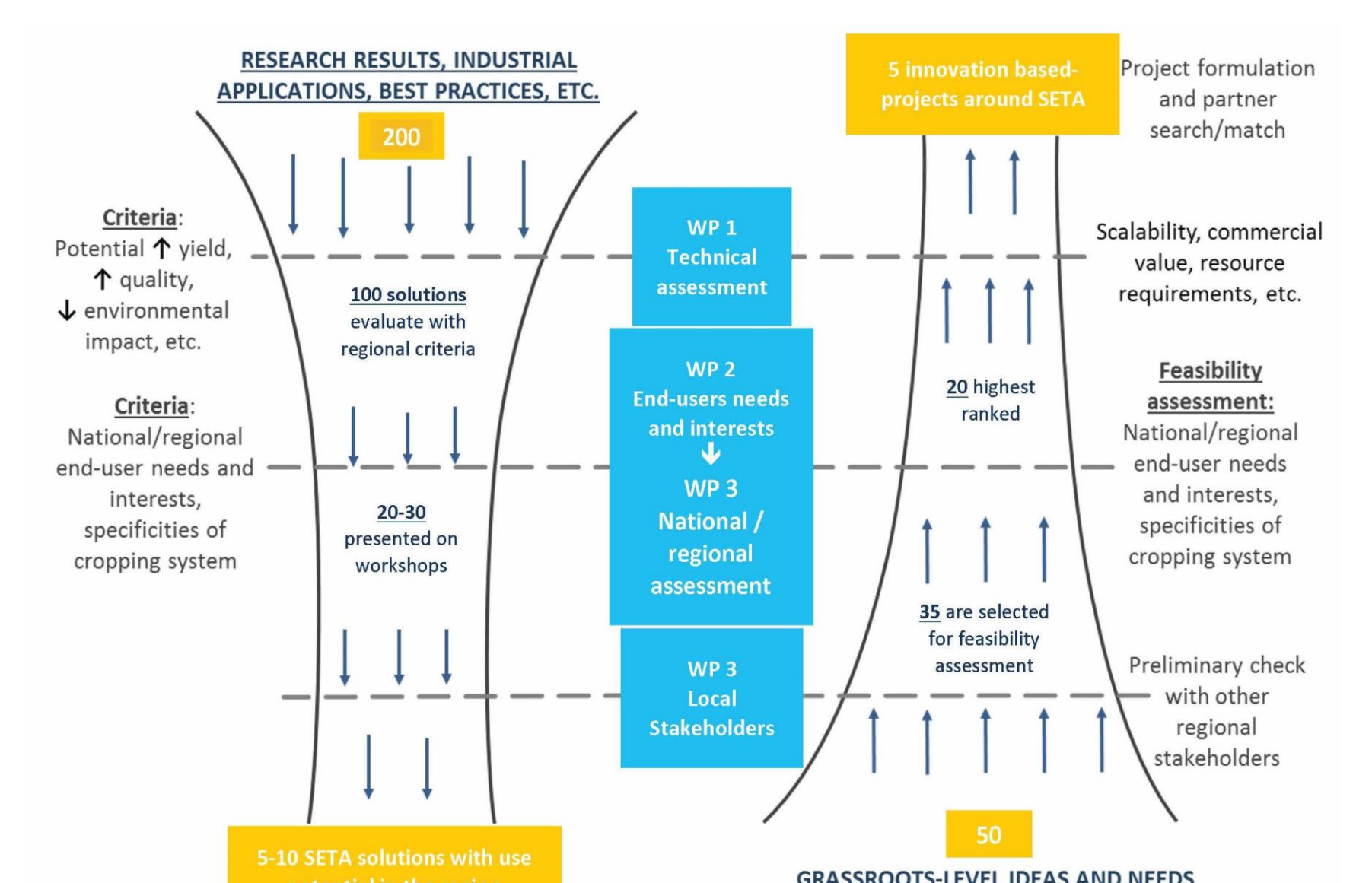
Cropping systems addressed by the regional “hubs” in INNOSETA.



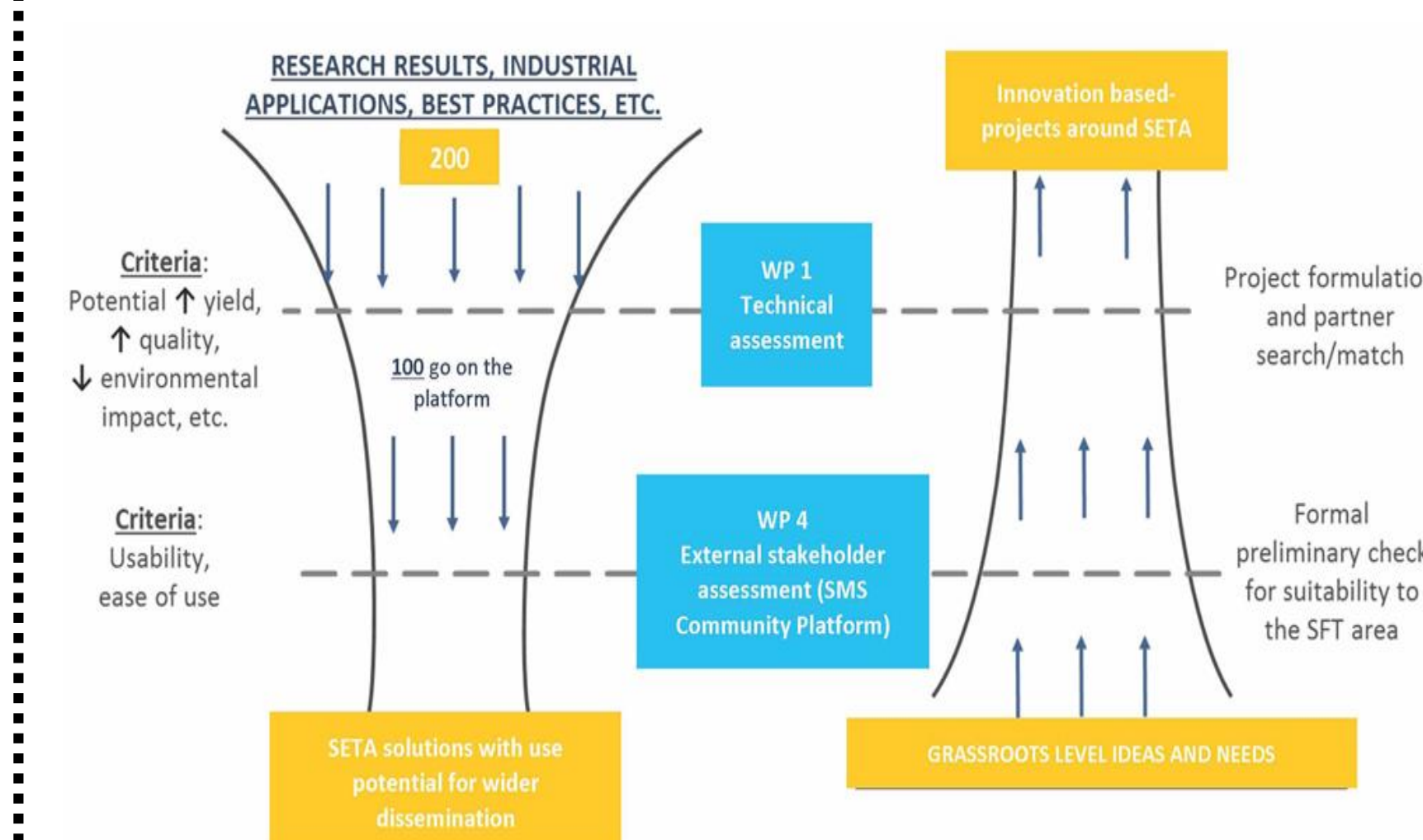
The seven innovation “hubs”

INNOSETA engages with stakeholders using:

- 3 interactive multi-actor workshops in each “hub”** (direct dissemination of SETA solutions and capture of grassroots-level innovations and needs)
- 2 transnational workshops** (generation of targeted exchanges, cross-fertilisation and cross-border collaborations in SETA innovations)
- 3 brokerage events** in Brussels to initiate possible new research and dissemination activities
- SETA Platform**



Interactive innovation in “hubs”. Left: top-down dissemination of direct applicable SETA solutions; right: bottom-up capturing grassroots-level ideas.



SETA Platform for interactive innovation. Left: top-down dissemination of direct applicable novel SETA solutions; right: bottom-up capturing of grassroots-level ideas.

INNOSETA implements an online and interactive approach to communication, interaction, knowledge sharing and stimulation of multi-actor innovation at the EU-wide level through the use of an ad-hoc designed ICT tool, the **SETA Platform**. A minimum of 100 SETA solutions, preliminary assessed with the use of different criteria, will be continuously available in the SETA Platform for on-line assessment by external stakeholders. A special functionality will allow for crowdsourcing of grassroots-level needs and innovations that will be assessed and channeled upstream to the right stakeholders for starting innovation-based collaborative projects.

Project Partners



Contact:

Dr. Thanos Balafoutis

Researcher

a.balafoutis@certh.gr |

+30 2311 257651 | +30 2311 257650



CERTH
CENTRE FOR
RESEARCH & TECHNOLOGY
HELLAS



Institute for Bio-economy & Agri-technology

iBO | CERTH

6th km Thessalonikis - Thermi Rd.
57001 | Thermi | Thessaloniki | Greece
www.ibo.certh.gr | www.certh.gr