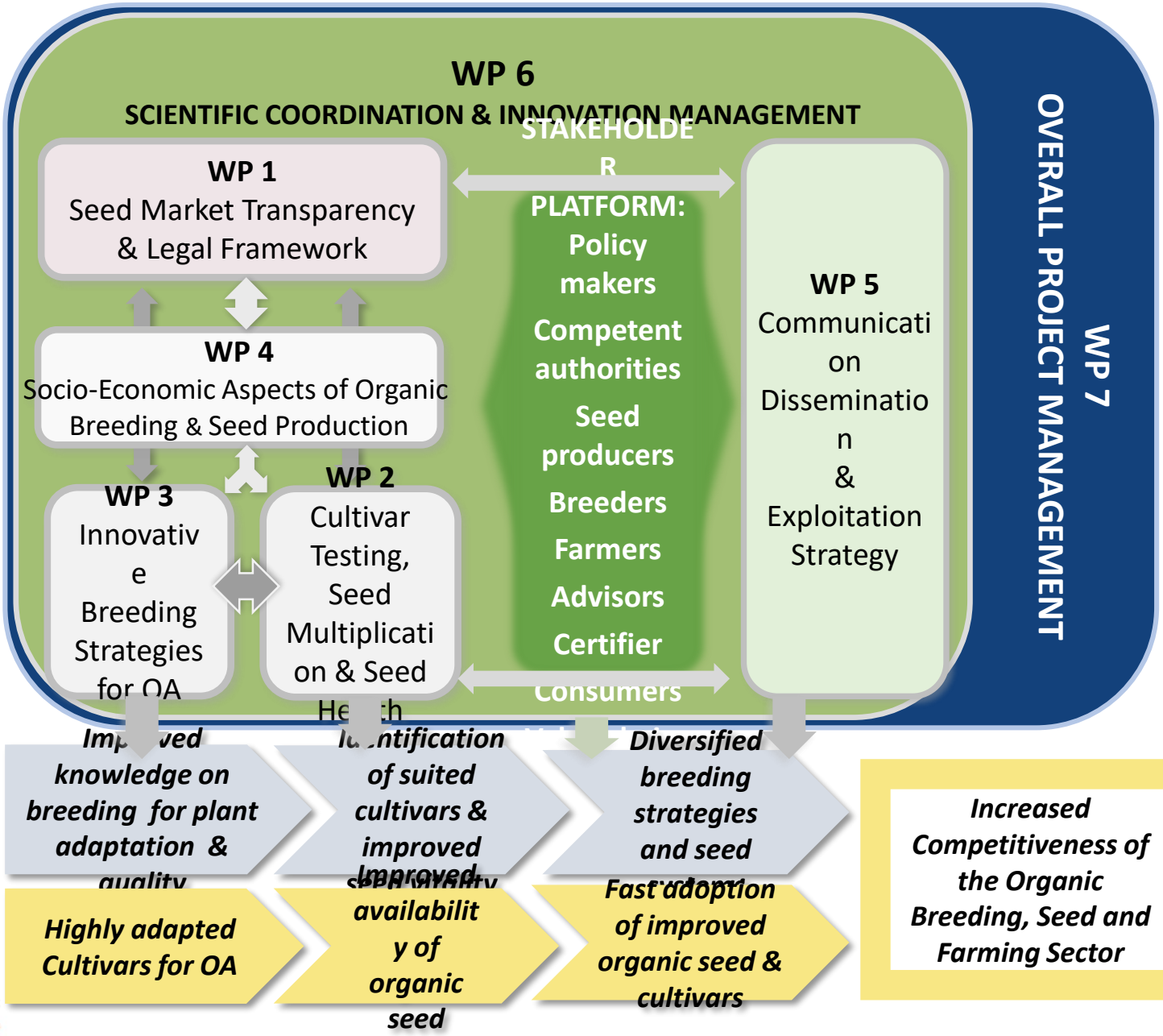

LIVESEED

This project received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 727230.

WP1: Regulation & policy framework regarding production, use, and transparency of organic seed

Aim: Improve the implementation of the European organic regulations & achieve full transparency of the organic seed market in the whole EU

Objectives:

- Analyse the status quo and identify bottlenecks of organic seed production and use and the implementation of organic seed provisions in the different regions of the EU (T1.1)
- Develop recommendations and tools for a common improvement of the organic seed supply and use on a national as well as on the EU level (T1.2)
- Provide IT tool for a maximum transparency on available organic seed on a national as well as on the EU level (T1.3)
- Assess national contexts to identify barriers towards the use of organic seeds and to co-develop recommendations with national public authorities and other stakeholders (T1.4)

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WP2: Improving cultivar testing, seed multiplication & health for high quality seeds

Aim: Wider pool of high-quality seeds for the organic farming sector by increasing volume & quality of organic seeds derived from cultivars tested for organic agriculture

Objectives:

- Improve existing and develop new cultivar testing models for the organic sector over Europe & develop adjusted protocols to facilitate variety release of new cultivars developed specifically for the organic sector (T2.1)
- Boost the organic seed production by promoting smart practices and knowledge exchange (T2.2)
- Deliver an integrated organic seed health strategy for high quality seeds for the organic sector considering seed vigour, seed treatments and seed microbiome (T2.3)

LIVESEED

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WP3: Innovative breeding strategies for organic farming

Aim: develop novel and holistic breeding concepts, deliver new breeding tools based on better scientific understanding of the biological basis of crop resilience & product quality, plant-plant and plant-microbe interactions, and initiating new multi-actor breeding strategies/activities

Objectives:

- Develop innovate **breeding concepts** from trait based to system breeding (T3.1)
- Develop **breeding for more diverse and resilient cropping systems** of annual and perennial crops including agroforestry (T3.2)
- Enhance scientific understanding of the **plant microbiome interface** and the importance of the holobiont (the plant host plus all of its symbiotic microbes) as selection target to improve **resilience and product quality** (T3.3)
- Establish crop **specific breeding and knowledge networks** to close major breeding gaps (T3.4)

LIVESEED

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WP4: Socio-Economic Aspects of Organic Breeding and Seed Production

Aim: Understand social, cultural and economic factors that impact on the competiveness of the organic seed sector from the perspective of farmers, seed traders, breeders, regulators, consumers and policy makers.

Objectives:

- Identify gaps and bottlenecks along the market development of organic seed through stakeholder consultation (T4.1)
- Analyse and optimise organic seed markets, supply chains and business models of breeders and seed producers (T4.2)
- Evaluate the consumer acceptance of using New Plant Breeding techniques in the organic seed sector (T4.3)
- Contribute to the development of recommendations (T4.4)

LIVESEED

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WP5: Communication, dissemination & exploitation strategy

Aim: Ensure efficient communication and dissemination processes throughout the project and create communication products to support ongoing dialogue and increase the outreach and impact of the LIVESEED project.

Objectives:

- Develop a project exploitation and dissemination plan and communication tools
- Organise knowledge sharing and dissemination events with key stakeholders (farmers, label organisations, breeders, seed companies, researchers, and, where relevant, processors and retailers)
- Promote exchange with other projects and initiatives on international level
- Training, outreach activities for stakeholders
- Practise Abstracts for EIP-AGRI
- Technical booklets and videos
- final Conference including stakeholder, competent authorities and policy makers Disseminate the project results to the scientific community

LIVESEED

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WP6: Scientific Coordination & Innovation Management on Organic Seed and Plant Breeding

Aim: Ensure overall scientific coordination and co-construction of knowledge among the partners and stakeholders to trigger innovations and achieve maximum impact on improved availability and quality of organic seed and cultivars across Europe

Objectives:

- Ensure overall **scientific coordination & innovation management**
- Ensure the active and most efficient **involvement of partners and stakeholders of different sectors** by installation and management of a stakeholder plattform
- Develop synopsis of scientific, technological, social and economic results and **develop policy recommendation** to boost the organic seed and breeding sector in Europe
- Develop **data management plan** and ensure quality and coherence of LIVESEED data and publications beyond project

LIVESEED

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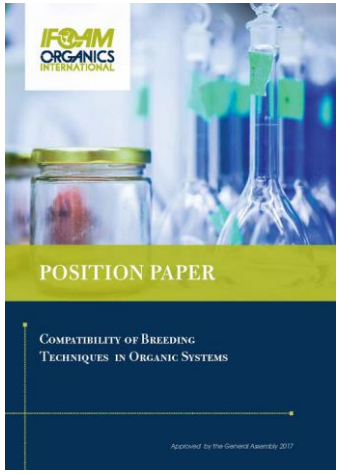
LIVESEED involvement with key stakeholders

- Over 80 stakeholders ready to support LIVESEED project
- Visit of national authorities for organic regulation with regard to seed
- Contact with CPVO and Examination offices for heterogeneous material and adjusted DUS and VCU for organic varieties
- Contact with European Seed Association
- Contact with DG Sante
- Working Group of IFOAM International on new breeding techniques



- Updated position of the Organic Movement on new genetic engineering techniques
- Transparency and clarity on criteria used to determine which breeding techniques are compatible with organic farming systems

LIVESEED

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