# LIVESEED

## Boosting organic seed and plant breeding across Europe
## 2017 - 2021

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 727230 and by the Swiss State Secretariat for Education, Research and Innovation (SERI) under contract number 17.00090. The information contained in this communication only reflects the author's view. Neither the Research Executive Agency nor SERI is responsible for any use that may be made of the information provided.

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# LIVESEED in a nutshell

- Budget: 7.4 M EUR EU funding & 1.5 M EUR Swiss funding
- Duration: 4 years
- Coordinator: IFOAM EU
- Scientific coordinator: FiBL (Switzerland)
- Goal: **Boosting organic seed and plant breeding in order to improve the performance, sustainability and competititveness of the organic sector**
- Approach:
  - Inter- and transdisciplinary
  - Policy – economy – science interface
  - Multi-actor & stakeholder involvement
  - Wide geographic representation

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# Multi-actor consortium


**35 partners**
**14 linked parties**
**18 countries**

23 breeding & research institutes
7 breeding companies
8 seed companies
11 organic associations

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# Aim: 100% organic seed of adapted cultivars by 2037


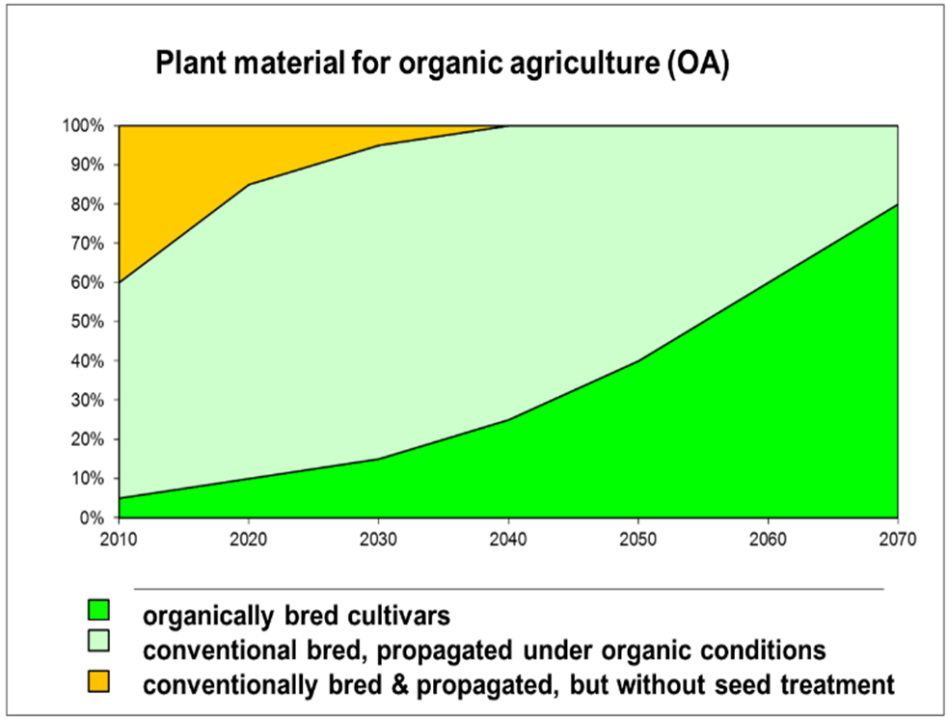


*Figure 1 : Schematic time line to reach the goal of 100% organically propagated seed of suitable cultivars (light green) in short term and to foster cultivars specifically bred for organic farming systems (bright green) in the long term*

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# Main objectives

**Policy & regulation**

Provide a level playing field for the use of organic seed and variety registration across Europe

**Research & development**

Develop innovative approaches in organic plant breeding and improve quality of organic seeds

**Socio-economics**

Increase access to organic seed and promote use of adapted cultivars

**Economy & market**

Improve the competitiveness of the organic seed supply chain

**Communication & network**

Enhance knowledge exchange & rise awareness on the benefits of organic seed and plant breeding

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# LIVESEED ambitions

- Co-development of knowledge by transdisciplinary multi-actor approach
- Holistic approaches for breeding and seed production
  - Plant – Plant interaction
  - Plant – Soil microbiome interaction
  - Plant – Seed microbiome interaction
- Enabling more sustainable food production systems
  - Mitigate risks of crop failure through breeding for diversity
  - Safeguard genetic resources for future generations


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# Impact of LIVESEED

- Increased transparency in the EU organic seed market & implementation of legislative requirements
- Significantly improved availability and quality of seeds for organic farming → achieving 100% organic seed
- Efficient seed multiplication methods and innovative breeding approaches
- Improved competitiveness of organic seed supply chain, organic breeding and farming sector across Europe and beyond
- Conventional farming benefits as varieties are better adapted to low-input and more resilient to variable environmental conditions

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# Your involvement

## Follow our activities on

Liveseed

@LIVESEEDeu

Our official homepage www.liveseed.eu will be available soon!

## Participate in:

- Surveys
- Interviews
- Workshops
- Events

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