



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



Aiming for 100% organic
seed of adapted cultivars



Approach & impact

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 competitiveness 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

Aim: 100% organic seed of adapted cultivars by 2037

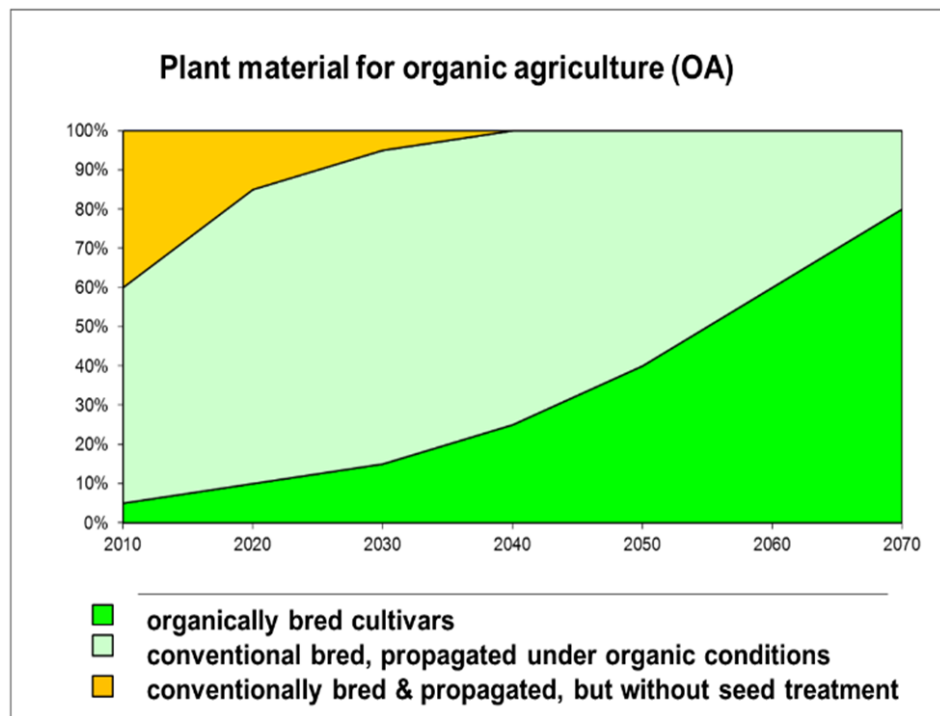


Figure 1 : Schematic time line to reach the goal of 100% organically propagated seed of suitable cultivars (light green) in short term and to foster cultivars specifically bred for organic farming systems (bright green) in the long term

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



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[@LIVESEEDeu](#)

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



Participate in:

- Surveys
- Interviews
- Workshops
- Events



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LIVESEED


IFOAM
EU GROUP

MAKING
EUROPE
MORE
ORGANIC

FiBL
Switzerland

AEGILOPS
Greek Network for Biodiversity
and Ecology in Agriculture

AGES

 Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

Federal Department of Economic Affairs,
Education and Research EAER
Agroscope

 **Agrologica**

Plant breeding
and
research

 Institute of
Agricultural Resources
and Economics

Ökologische Saaten
bingenheimer
saatgut

 **Bionext**

 **BIOSELENA**
FOUNDATION
FOR ORGANIC
AGRICULTURE

 **N**
Bundesverband
Naturland

 **crea**
Consiglio per la ricerca in agricoltura
e l'analisi dell'economia agraria

 **WAGENINGEN**
UNIVERSITY & RESEARCH

FELDSAATEN
FREUDENBERGER

FiBL
Germany

 **INRA**
SCIENCE & IMPACT

 **ESAC**
ESCOLA SUPERIOR AGRÁRIA
POLITÉCNICO DE COIMBRA

ITAB
Institut Technique de
l'Agriculture Biologique

 **IUNG**

 **SEMENTES
VIVAS**

LOUIS BOLK
INSTITUTE

 **MTA ATK**

 **ÖMKi**

ORGANIC
RESEARCH
CENTRE
 **ELM FARM**

 **rete
semi
rurali**

 **sativa**
Biologisches Saat- und Pflanzgut
Semences et plants biologiques

 **SLAE**
Scientific European
Agriculture Ecological
Agromology

 **SEGES**

 **NARDI
FUNDULEA**

 **Ubios**
UBIOS BIO COMPANY

 **UNIVERSIDADE
DE ÉVORA**

 **UNIVERSITÀ
POLITECNICA
DELLE MARCHE**

**UNIKASSEL
VERSITÄT**

 **Vitalis**
Organic Seeds

 **UNIVERSITAT
POLITÈCNICA
DE VALÈNCIA**



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