



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



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

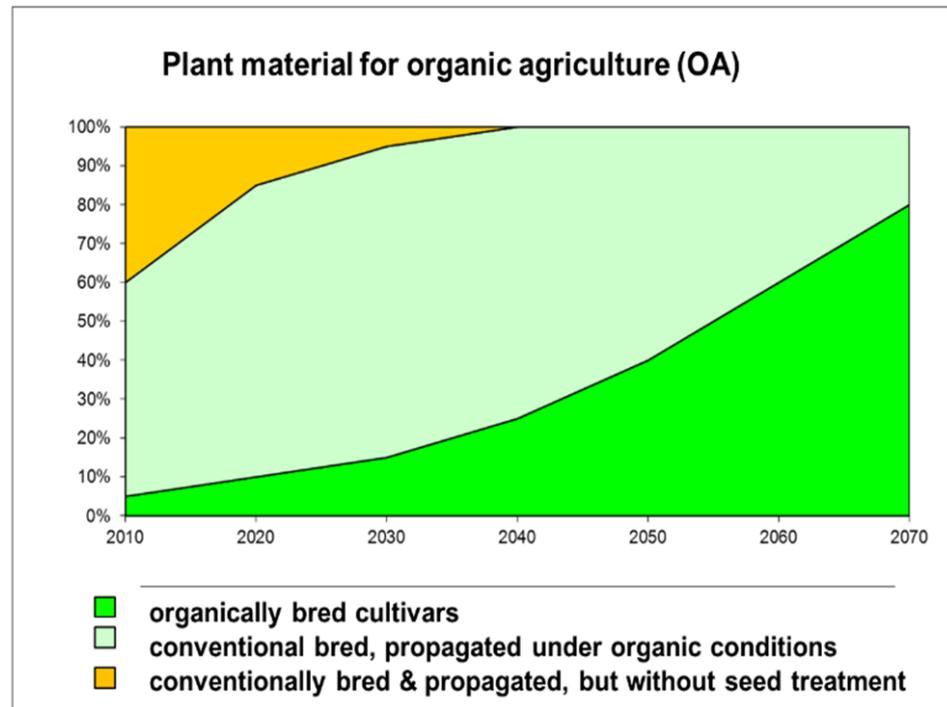
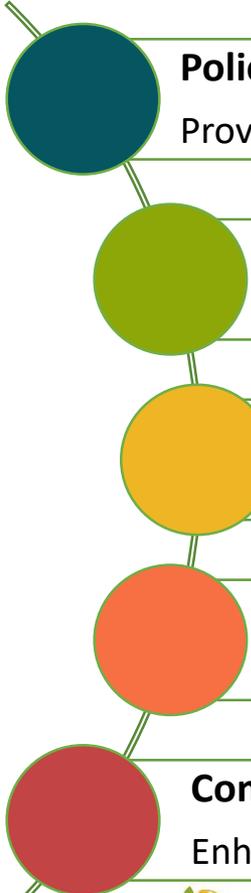


Figure 1 : Schematic time line to reach the goal of 100% organically propagated seed of suitable cultivars (light green) in short term and to foster cultivars specifically bred for organic farming systems (bright green) in the long term

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

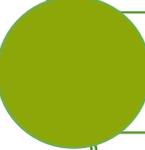
- Co-development of knowledge by transdisciplinary multi-actor approach
- Holistic approaches for breeding and seed production
 - Plant – Plant interaction
 - Plant – Soil microbiome interaction
 - Plant – Seed microbiome interaction
- Enabling more sustainable food production systems
 - Mitigate risks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



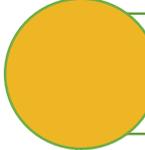
Impact of LIVESEED



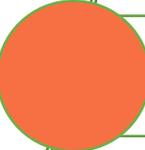
Increased transparency in the EU organic seed market & implementation of legislative requirements



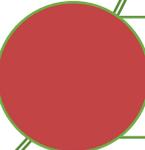
Significantly improved availability and quality of seeds for organic farming
→ achieving 100% organic seed



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



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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LIVESEED

IFOAM MAKING EUROPE MORE ORGANIC
EU GROUP

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
Naturwissenschaften

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

 **WAGENINGEN**
UNIVERSITY & RESEARCH

 **FELDSAATEN**
FREUDENBERG

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

 **SEAE**
Seminario Superior de Agricultura Ecológica
Agronomía

 **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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