

# ECOBREED 2nd annual meeting



WP 6 Farmer participatory trials and breeding

**Werner Vogt-Kaute, Naturland e.V.  
Online, 15 – 16 June 2020**



**ecobreed**  
IMPROVING CROPS



Funded by European Union  
Horizon 2020  
Grant agreement No 771367

# WP 6 Farmer participatory trials and breeding

Task 6.1. Establishment of a data-recording and management system (months 6-12)

Responsible partner: UNEW

Existing web-based data recording system for farmer participatory variety trials.

Farmers/researchers can input data via smart phone/tablet in the field

Translation?

Access via ECOBREED webpage?



**ecobreed**  
IMPROVING CROPS



Funded by European Union  
Horizon 2020  
Grant agreement No 771367

# WP 6 Farmer participatory trials and breeding

Task 6.2. Farmer participatory field trials (months 25-48 = harvest years 2021 and 2022)

Responsible partner: NATUR, partners involved: all except IFVC, UVIGO, SZG, SEC, Saatgut Austria.

In some cases 2 partners in 1 country are involved.

Please communicate with each other and tell us who is responsible for which task.



**ecobreed**  
IMPROVING CROPS



Funded by European Union  
Horizon 2020  
Grant agreement No 771367

# WP 6 Farmer participatory trials and breeding

Task 6.2.

4 – 6 farmers

8 – 12 genotypes

100 x 3 metres non-replicated

Division to 2 x 50 metres for a treatment is possible



**ecobreed**  
IMPROVING CROPS



Funded by European Union  
Horizon 2020  
Grant agreement No 771367

# WP 6 Farmer participatory trials and breeding

2 crops in UK, SI and EL

1 crops in AT, SK, CZ, PO, HU, DE, RS, RO

No trial in ES, IT not mentioned

Wheat: UK, EL, AT, SK

Buckwheat: UK, CZ, SI

Potato: PO, HU, SI

Soya: DE, RS, RO, EL

Additional trials on durum wheat in IT

Samples of harvest to BOKU (wheat), CRI (buckwheat), KIS (potato), IFVC (soybean)



**ecobreed**  
IMPROVING CROPS



Funded by European Union  
Horizon 2020  
Grant agreement No 771367

# WP 6 Farmer participatory trials and breeding

**The concept of the ECOBREED project to have a similar amount of FPT for all 4 crops.**

What to do with wheat?

The best solution would be to add a wheat trial (or another additional crop) at the location of the FPT trails. That would make events more attractive.



**ecobreed**  
IMPROVING CROPS



Funded by European Union  
Horizon 2020  
Grant agreement No 771367

# WP 6 Farmer participatory trials and breeding

You can do additional trials.  
But you must not neglect the basic trials.

A good argument for additional trials is the use of the composite cross populations (CCP, task 6.3.)  
We are quite far in wheat CCP and can offer several CCP for farmers field trails and breeding: Wakelyns (UK), Lliocharls (DE), MTA-ATK, Magic).

# WP 6 Farmer participatory trials and breeding

We probably will have a delay in development of CCP of soya and buckwheat, so they probably will be available in spring 2022 instead of spring 2021. In potatoes meetings with farmers will take place about concept of CCP.



**ecobreed**  
IMPROVING CROPS



Funded by European Union  
Horizon 2020  
Grant agreement No 771367



# WP 6 Farmer participatory trials and breeding

Task 6.3. Participatory plant breeding (months 25-60 = harvest years 2021, 2022, 2023)

Responsible partner: NATUR

Cross composite populations (CCP) of wheat, buckwheat and soybean. Small number of potato lines.

Each crop species on a minimum of 3 farms in each participating country.

Farmers can engage actively and can continue and select.



**ecobreed**  
IMPROVING CROPS



Funded by European Union  
Horizon 2020  
Grant agreement No 771367

# WP 6 Farmer participatory trials and breeding

Nomination of farms for the FPT

Wheat: until **July**

Other crops: until **October**

Discussion about range of varieties with partners, farmers and stakeholders:

There should be some varieties (50%) on all locations (if climatic conditions permit)



**ecobreed**  
IMPROVING CROPS



Funded by European Union  
Horizon 2020  
Grant agreement No 771367

# WP 6 Farmer participatory trials and breeding

## Distribution of seeds

Please be aware that additional trials need additional seeds. Please tell us requirement of seeds early enough.



**ecobreed**  
IMPROVING CROPS



Funded by European Union  
Horizon 2020  
Grant agreement No 771367

# WP 6 Farmer participatory trials and breeding

## Events

The events are part of WP7 (training) and WP8 (demonstration) but of course you need have meetings with farmers and stakeholders at every FTP. Please document the meetings and make photos.



**ecobreed**  
IMPROVING CROPS



Funded by European Union  
Horizon 2020  
Grant agreement No 771367

# WP 7 Training

## Task 7.3. Training events for farmers

Responsible partner: NATUR, partners involved: KIS, BOKU, CRI, IFVC, UNEW, GEO, UNITUS, IHAR, NPPC

Each partner 2 training events  
Based on the project field trials.  
But also other locations are possible.



**ecobreed**  
IMPROVING CROPS



Funded by European Union  
Horizon 2020  
Grant agreement No 771367