

# Update on current activities in the EVA Networks

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Annual project meeting of European Evaluation Network (EVA) on lettuce  
30 March 2020, online

# Content

- Extension of EVA Grant agreement
- EVA networks on cereals and vegetables
- General outline of EVA process
- General timeline of EVA project
- Expectations from this meeting

# EVA project (Jul 2019 – Nov 2022)

Project for EVA networks  
on wheat and barley  
and vegetables  
(carrot, lettuce,  
pepper) granted by  
Germany in June 2019

Project extension until  
Nov. 2022 and  
inclusion of maize in  
December 2019



# EVA networks

- **EVA wheat and barley:** 31 partners from 16 countries (18 companies and 13 genebanks or public research institutes)
- **EVA carrot:** 12 partners from 7 countries (6 companies and 6 genebanks or public research institutes)
- **EVA lettuce:** 13 partners from 10 countries (6 companies and 7 genebanks or public research institutes)
- **EVA pepper:** 13 partners from 7 countries (6 companies and 7 genebanks or public research institutes)
- **EVA maize:** search for partners is ongoing. Currently 13 genebanks/research institutes are interested and private partners are being contacted

# The EVA process

Partners agree on traits of interest and select accessions from European genebanks

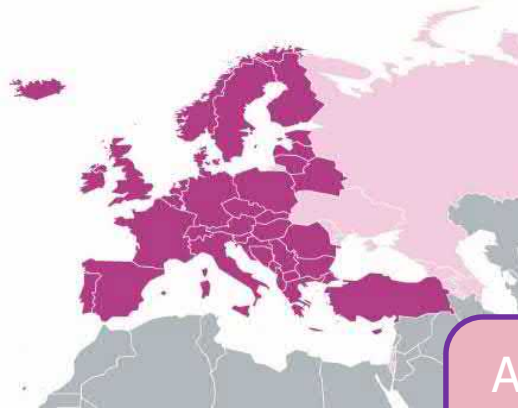
Partners agree on standard experimental protocols and ontologies

Data are collected and analyzed using standard ontologies and centrally stored in project specific EURISCO database (during embargo period)

Evaluated accessions are genotyped using agreed protocol

Accessions from genebanks (obtained with SMTA) are multiplied by partners

Accessions are evaluated by partners in laboratory tests and the field in multiple evaluation sites/environments



# The EVA timeline (2019 – 2022)

2019

- Create network with partners from public and private sector
- Select accessions and traits

2020

- Agreement on protocols and ontologies
- Multiplication of accessions
- First evaluations in laboratory and field
- Updating of EURISCO to provide intranet capacities

2021

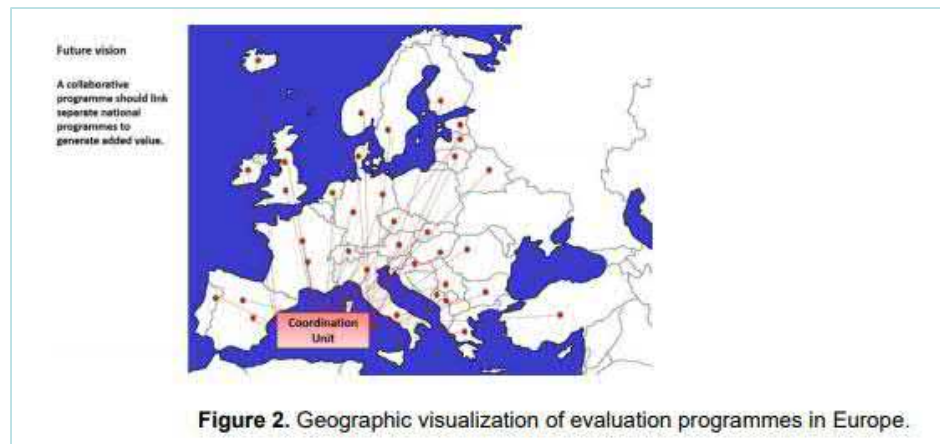
- Multiplication of accessions
- Evaluations in laboratory and field
- Genotyping of evaluated accessions

2022

- Evaluation in laboratory and field
- Data analysis and display in EURISCO
- Plan network continuation

# Goals of EVA Network Lettuce

- Evaluation of **20-50 accessions** of lettuce annually (for three years and a **total of 60 – 150 accessions**)
- Evaluation for *Bremia* resistance in lab
- Field trials (quality traits, QTL) in **10 sites/environments**
- **Repeat** trials if possible.
- Genotyping of evaluated accessions and GWAS/QTL analysis for traits in field trials.



(source of figure: Report of the PPP workshop, June 2017, Bonn)

# Expectations from this meeting

General discussion during the meeting should lead to:

- Agreement on traits to be evaluated in field trials
- Agreement on number of accessions and distribution of multiplication task
- Agreement on number of evaluation sites/environments
- Agreement on roles and responsibilities of project partners
- Agreement on the timeline of the workplan
- Agreement on deliverables for 2020



# Expectations from this meeting

## Finalizing project plan after the virtual meeting

- Selection of accessions for laboratory and field trials
- Selection of standard protocols and ontologies
- Selection of genotyping protocol and data analysis pipeline
- Finalizing work plan for project
- Finalize consortium agreement for signature by partners

Additional discussions potentially  
during another meeting



**Thank you for your attention!**