

Update on current activities in the EVA Networks

Sandra Goritschnig
ECPGR Secretariat

Annual project meeting of European
Evaluation Network (EVA) carrot
11 May 2020, online

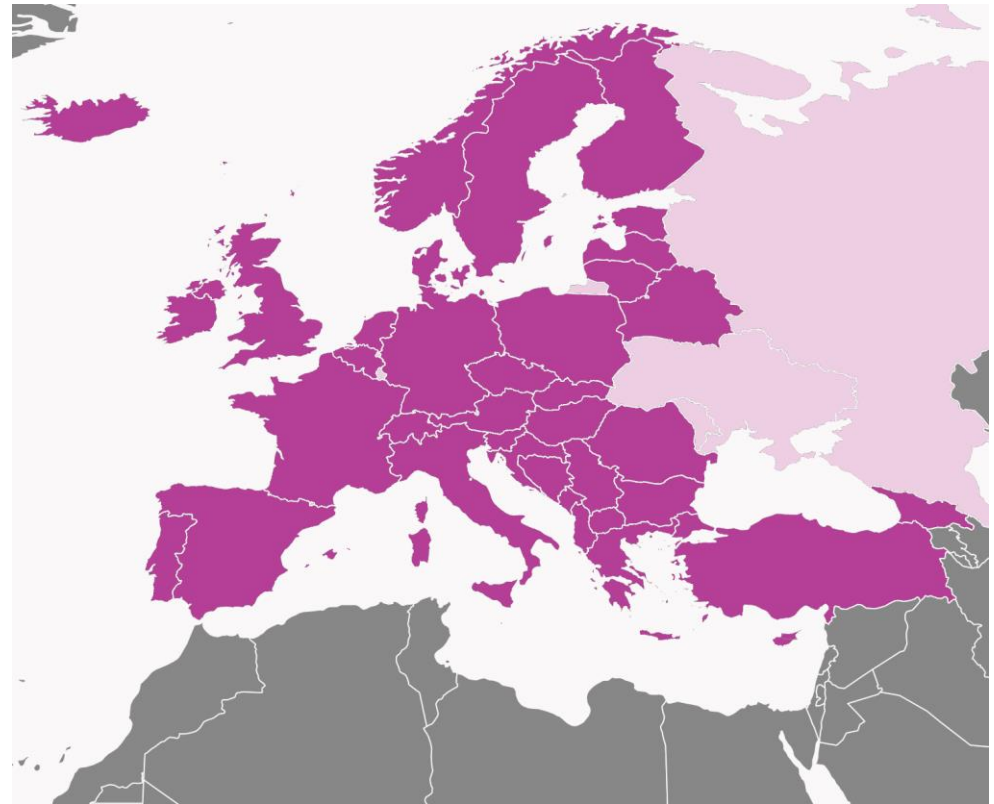
Content

- 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:** 14 partners from 8 countries (7 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

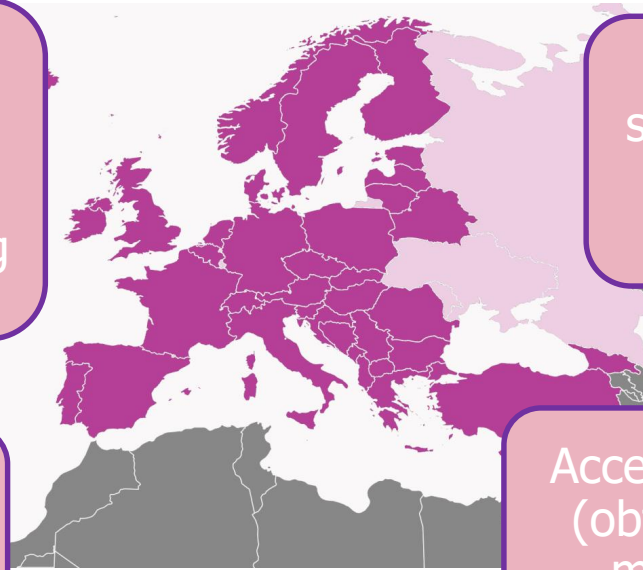
Partners agree on standard experimental protocols and ontologies

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

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

Evaluated accessions are genotyped using agreed protocol

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 Carrot

- **Evaluation**
 - 60 accessions total
 - Lab tests: disease resistance traits
 - Field tests: morphological and agronomic traits
 - ~ 10 Evaluation sites/environments
- **Genotyping of 60 accessions**
 - Defined methodology and commercial provider
- **Data collection, analysis and processing**
 - Inclusion in EURISCO
 - Using standardized data formats

Funded activities in EVA carrot

- Lab prescreening (4.500 €)
- Accession regeneration (2.000 €)
- Multilocation trials (13.500 €)
- Genotyping (20.000 €)
- Travel to meetings (~9.000 €, as necessary)

Activities by seed companies are self funded!

Expectations from this Meeting

Project partners are updated about ongoing activities

Discussions to reach general agreement on:

- Traits and standardized protocols/descriptors
- Workplan 2020/2021 and contingency planning (Covid)
- Roles and responsibilities of project partners

Finalizing project plan after the virtual meeting

- Standard protocols and ontologies
- Work plan for project
- Cooperation agreement for signature by partners

Contact: S.Goritschnig@cgiar.org
www.ecpgr.cgiar.org/eva-network



Picture by W. Palme