

GRAIN LEGUMES: GERMPLASM AND RESEARCH AT VRDS BACAU

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ForEVA – Fostering the need of implementation of the ECPGR's European Evaluation Network (EVA) on Grain legumes

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Vegetable Research and Development Station







Bacau

- ✓ Public research unit
- ✓ 1 ha of plastic tunnels
- ✓ 2 ha of unheated greenhouses
- ✓ 4.5 ha research in ecological system
- Experimental field of 20 ha for conventional vegetable cultivation
- ✓ 40 ha fields for seed multiplication
 - Gene pole for germplasm conservation

















Role of VRDS Bacau



Development of new performant vegetable cultivars.

Research for durable conservation and management of biodiversity.



Elaboration and implementation of efficient modern technologies focused on a better exploitation of the genetic resources in ecological and conventional system.



Active contribution to local, regional and national development by approaching and solving problems generated by the needs of healthy food and unpolluted environment.







VRDS's grain legumes collection



THE TOTAL NUMBER OF PULSES STOCKS FROM VRDS BACAU 3568





ECP/GR

Interest and capacity to be involved in evaluation of different GL species

BEAN









Traits to be considered

 technological quality traits such as grain size, color and cooking time - decisive for the acceptance of a common bean cultivar by consumers and differ between countries

growth habit root architecture

• flowering time

• traits related to droughts resistance

pod shattering

diseases resistance









Expectations from EVA legumes

✓ Material

- improved volume and quality of European accessions with C&E data in EURISCO,
- access and use to PGR material

✓ Traits

- new or updated cropspecific traits
- identification of traits of interest (by breeding sector and farmers)

✓ Conditions of operation

 functional multi actor participatory network
multiple PPP

✓ Constrains

- Gaps in corelation of time and human specialised resources with financial support
- Gaps in comunication, lack of trust along cooperation chain
- Difficulties if not harmonzing the data



Ways to cooperate/ experience with PPP

- Development and share of a concept for an European Evaluation Programm
- Interlinked focus groups on specific crops or thematic area
- Consolidate communication inside the partnership
- Identification of additional funding sources



Based on previous experience with PPP

- Partnerships with SMEs in financed projects with a high degree of innovation, with concrete results and real impact on the market.
- Active cooperation with farmers
- Engagement in national clusters





