

# ECPGR WG meeting Leafy Vegetables

KIS, Ljubljana, Slovenia, 8-9 October 2013

The European collection



# Background European collection

## ■ Genetic resources in Europe

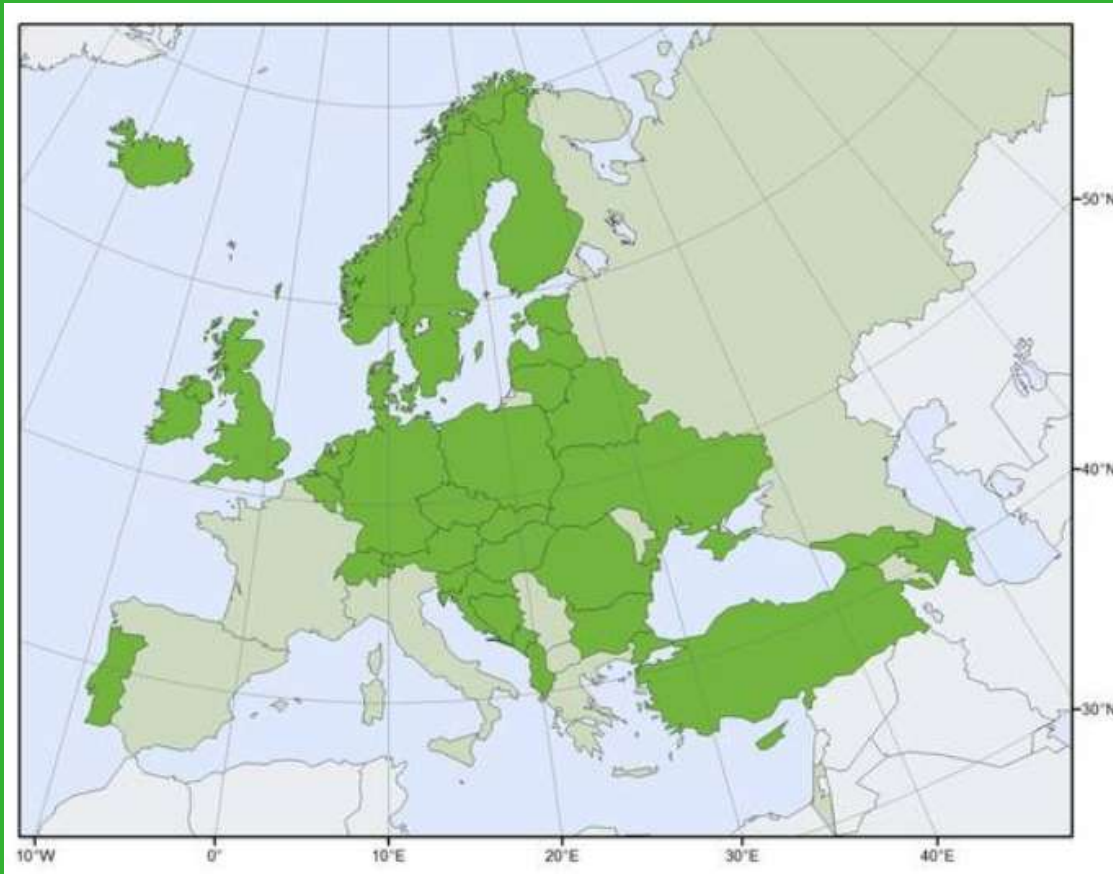
- Many countries, many collections, many accessions
- Independent operations

## ■ ECPGR project AEGIS

- Improving coordination
- Sharing responsibilities
- Key features
  - Virtual European collection
  - Genetically unique and important accessions for Europe
  - Conservation according to agreed minimum standards
  - Ensured availability for breeding and research
  - Using mechanisms, procedures and instruments of the ITPGRFA (e.g. sMTA)



# AEGIS memorandum of understanding



Countries LV WG	AEGIS member
Albania	2009
Belgium	2012
Bulgaria	2009
Czech Republic	2009
France	
Georgia	2009
Germany	2009
Greece	
Hungary	2011
Israel	
Italy	
Netherlands	2009
Poland	2010
Russian Federation	
Serbia	
Slovenia	2009
Spain	
United Kingdom	2010

# ECPGR WG Leafy Vegetables

- Workplan regarding AEGIS (Catania, 2009)
  - Initial focus on lettuce and spinach
  - Nomination of AEGIS accessions by WG members
    - Availability of seed
    - Reliability of passport data
    - Avoidance selection of internal duplicates
  - Integration of info from WG members
  - Identification duplication groups, choice of MAA's
- Current status
  - WG LV: data from 5 collections integrated
  - Many other WG's also struggling with the selection of MAA's



# Germany: alternative strategy

## ■ Selection of material by individual countries

### ● Selection criteria

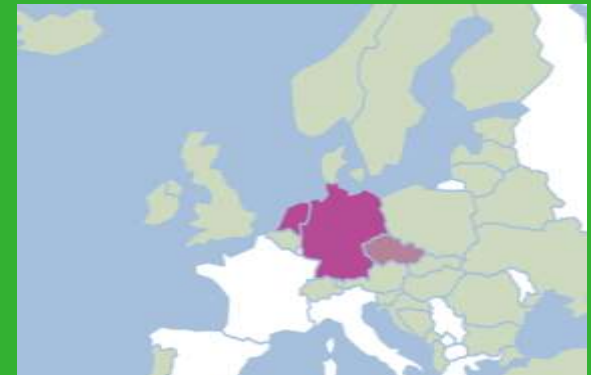
- Material originating from the country in question
- Material collected from other countries by the country in question
- Material collected by foreign missions and donated to the country in question
- Material not conserved by other genebanks

## ■ Feedback on nominations by WG's

## ■ Final decision by national coordinator

## ■ Flagging of accessions in EURISCO

- Germany (465 LV accessions)
- the Netherlands (969 LV accessions)



# Points for discussion



## ■ Inventory national policies

- Non-AEGIS members: foreseen participation?
- AEGIS-members: planning and coordination?

## ■ Implications workplan WG leafy vegetables

- Selections by individual countries (e.g. via new strategy)?
- Future role of the WG?
  - Provide feedback on national selections
  - Improve the composition of the European collection
    - Check for duplicates among AEGIS accessions after integration of the national selections
    - Nominate additional MAA's among the remaining, non-selected accessions
    - Identify serious collection gaps (and explore possibilities to fill gaps)
      - \* Coordinate the removal of regeneration backlogs of unique material
      - \* Coordinate the acquisition of novel material

# Accession inventory WG members

Genus	Accessions	Available
<i>Asparagus</i>	78	27
<i>Atriplex</i>	179	116
<i>Chenopodium</i>	1075	1058
<i>Chrysanthemum</i>	148	113
<i>Cichorium</i>	939	779
<i>Cynara</i>	47	19
<i>Diplotaxis</i>	62	8
<i>Eruca</i>	259	204
<i>Lactuca</i>	9353	6757
<i>Lepidium</i>	214	167
<i>Portulaca</i>	37	20
<i>Rheum</i>	147	98
<i>Rumex</i>	170	116
<i>Spinacia</i>	1034	997
<i>Taraxacum</i>	13	11
<i>Tetragonia</i>	48	31
<i>Valerianella</i>	86	71
<b>Total</b>	<b>13889</b>	<b>10592</b>

## Collections

BGR-IPGR

CZE-CRI

DEU-IPK

GBR-WGRU

HUN-RCAT

ISR-IGB

ISR-IOE

NLD-CGN

SVN-KIS





# Further points of attention



- Duplicate finder
  - Simple tool to assist in the identification of potential duplicates based on passport data
  - Available from: <http://documents.plant.wur.nl/cgn/pgr/aegisdf/>
- Selection criteria MAAs
  - Which criteria?
  - Priority order?
- Other issues regarding the nomination of accessions for the European collection?