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

<table>
<thead>
<tr>
<th>Genus</th>
<th>Accessions</th>
<th>Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asparagus</td>
<td>78</td>
<td>27</td>
</tr>
<tr>
<td>Atriplex</td>
<td>179</td>
<td>116</td>
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<tr>
<td>Chenopodium</td>
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<td>1058</td>
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<tr>
<td>Chrysanthemum</td>
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<td>113</td>
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<tr>
<td>Cichorium</td>
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<td>779</td>
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<tr>
<td>Cynara</td>
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<td>19</td>
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<tr>
<td>Diplotaxis</td>
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<td>8</td>
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<tr>
<td>Eruca</td>
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<td>204</td>
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<tr>
<td>Lactuca</td>
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<td>6757</td>
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<tr>
<td>Lepidium</td>
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<td>167</td>
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<tr>
<td>Portulaca</td>
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<td>20</td>
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<tr>
<td>Rheum</td>
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<td>98</td>
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<tr>
<td>Rumex</td>
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<td>116</td>
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<tr>
<td>Spinacia</td>
<td>1034</td>
<td>997</td>
</tr>
<tr>
<td>Taraxacum</td>
<td>13</td>
<td>11</td>
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<tr>
<td>Tetragonia</td>
<td>48</td>
<td>31</td>
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<tr>
<td>Valerianella</td>
<td>86</td>
<td>71</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>13889</strong></td>
<td><strong>10592</strong></td>
</tr>
</tbody>
</table>

**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?**