

## **AEGIS *Allium* Group**

- ECPGR Allium Working Group established a vegetatively propagated Allium sub-group in 2001 (report 2002) & concentrated subsequent efforts on vegetative material, particularly garlic
- AEGIS Allium group used the 2002 report as basis for their discussions initial proposal
- Developments in garlic cryopreservation in Germany, Czech Republic & Poland provided the technical basis for a realistic model for a European cryopreserved garlic collection
- Consortium led by Joachim Keller was successful with EURALLIVEG, an EU GENRES project incorporating 3 elements: molecular fingerprinting to identify duplicates; cryopreservation; virus elimination

## **MAA & Selection Criteria**

Jan Engels attended the first EURALLIVEG project meeting in April 2007 & presented the draft Selection Criteria for identifying MAAs

Project partners reviewed the selection criteria in the context of the objectives of the EURALLIVEG project & concluded

### Primary Criteria

1. Public Domain – Allium is a non-Annex 1 genus, but EURALLIVEG partners agreed to use the sMTA for any transfer of material
2. Genetically Unique – for clonal crops, such as garlic, this is the key criterion
3. Agronomically, etc. important – agree
4. PGR excluding forestry & non-plant material – agree
5. European origin or of importance – agree - garlic originates in Central & southwest Asia, but is of significant importance to European agriculture, commerce & health

## **Secondary Criteria**

- i. Maintained in country of origin – origin in terms of the accession. No selection pressure in vegetative maintenance. so not critical. Maintenance is expensive & has potential drawbacks in terms of disease incidence leading to losses.
- ii. Known origin – useful
- iii. Passport data – useful
- iv. No. of regeneration cycles – garlic & shallot have to be grown annually, thus no relevance
- v. Health status – fully accepted, imperative for vegetative material
- vi. Morphological/Molecular data - essential
- vii. Evaluation data – useful
- viii. Validated accession name – of limited use for garlic & shallot
- ix. Other – no specific information required