

# National LR inventories: available tools, information and current situation



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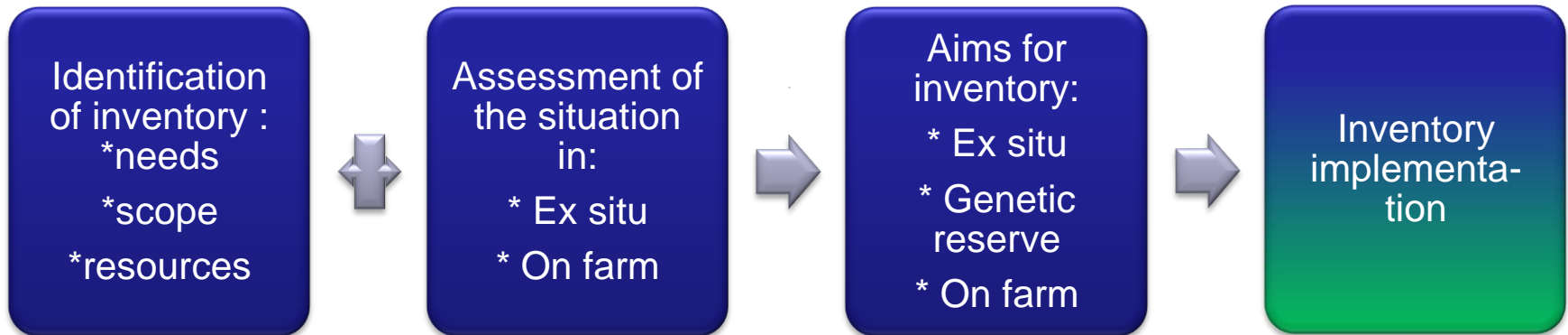
*Partner in PGR Secure*

# Background



- Goals for landrace inventory and conservation by gene banks **in the past**:
  - Ex situ conservation
  - Plant breeding
- Goals **at the present** also:
  - On-farm management and genetic reserves of LR
  - Utilization of historical, cultural, local values

# Inventory steps



# Identification of inventory needs, scope and resources

- Needs e.g. urgency factors:
  - Demography changes
  - Community planning
  - Economy etc.
- Scope
  - Crops
  - Area
- Resource availability
  - Funding
  - Expertise
  - Networks



Photo: Valeria Negri

# Identification of inventory needs, scope and resources

Various networks and organisations, press & media, environmental alarm systems, growers ← Networking

GB information systems and DBs (coverage in ex situ collections), breeding history, variety lists

- Resource availability
  - Funding
  - Expertise
  - Networks



Photo: Valeria Negri

# Assessment of the situation in *Ex situ* collections and On farm

- **Ex situ information systems:**
  - Local/regional gene bank databases
  - EURISCO
  - CCDBs
- **On farm (in situ):**
  - Earlier inventories, literature, internet
  - NGOs and other grower organizations, farmer interviews
  - On farm/ In garden **contact database**  
<http://www.sharinginformation.eu/>

LANDRACE?





## **Aims of inventory**

1. Ex situ conservation
2. On-farm management (as it is/reintroduction)
3. Genetic reserve/on-farm conservation
4. OR combination of aims above

## **Tools**

1. Collection guidelines and forms, descriptor lists
2. Information to a grower on: subsidy systems, ex situ back-up possibilities, conservation networks; Post-inventory follow-up plan
3. Methodology (design, management, monitor, use)
4. An integrated ex situ / in situ conservation system

# Inventory implementation

- **Reaching and contacting the growers:** press & media, agr. extension services, local authorities, information material etc.
- **Data collection:** questionnaires, tape recording, GIS, Draft Minimum **descriptors** list for the documentation of on-farm conservation and management activities
- **Seed/material collecting:** guidelines
- **Verification of origin:** history, field exp:s, molecular markers
- **Feed-back to growers:** standardised formulas



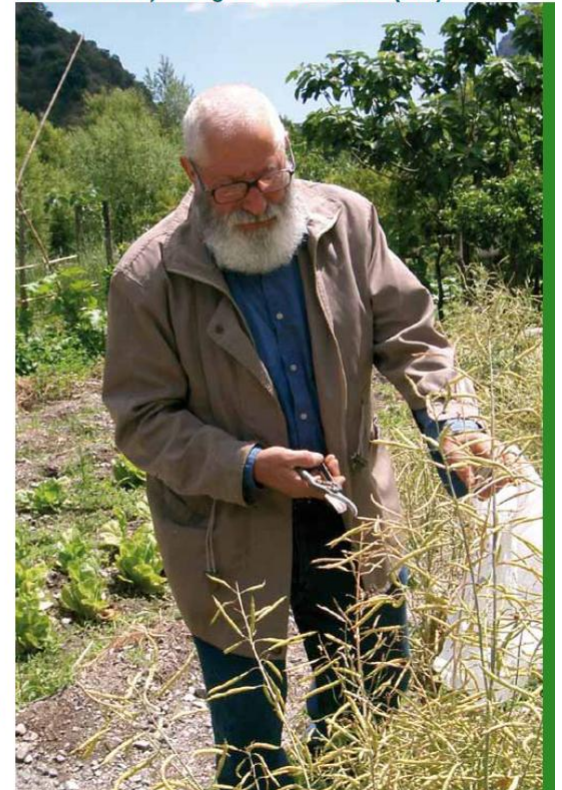


# Current state in Europe

- Overview available in Bioversity Technical bulletin no. 15
- Upcoming AEGRO/ECPGR publication
- Methods and tools used highly variable



**PGR Secure**





# Thank you!