



DATAR
Diversity Assessment Tool for
Agrobiodiversity and Resilience

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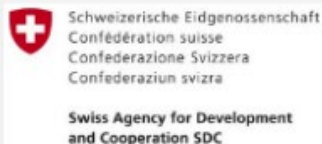
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Welcome to **DATAR**

The Diversity Assessment Tool for Agrobiodiversity Resilience to feed and restore our planet



ASIAN DEVELOPMENT BANK



MCKNIGHT FOUNDATION



A tool for farmers/herders and fisher folk to benefit from the conservation and use of their agrobiodiversity

The Diversity Assessment Tool for Agrobiodiversity and Resilience (DATAR) is a multi-language open-source software platform with **Web Portal** and **Android/iOS App** that allows the integration of **diverse crop varieties, livestock breeds, and aquatic farmed-types** into decision-making plans.

Why use **DATAR**?

Because we DON'T stop at the species level!

Food systems, agricultural development, and climate resilience planning usually stop at the SPECIES level, deciding which crop, livestock or aquatic animal would be best suited to improve local livelihoods.

DATAR goes one step further. DATAR harnesses the tremendous amount of **INTRA-SPECIFIC DIVERSITY** maintained locally and worldwide as diverse sets of crop **VARIETIES**, livestock **BREEDS** and aquatic **FARMED-TYPES** into programs to feed and restore our planet.



DATAR is not just a tool to collect data – it links agrobiodiversity assessment to pro-poor intervention options

Data Collection

- Farm and landscape surveys
- Agroecological zone analysis
- Socio-economic factors
- Market and policy context

Decision Framework

- Links data to community goals
- Identifies farmer constraints
- Generates intervention portfolios
- Adapted to local context

Diversity-Related Interventions

- *In situ* improvement of local materials
- Geographic indications and quality assurance
- On-farm agrobiodiversity ecotourism
- Market creation for landraces and indigenous breeds
- Policy interventions that support diversity



DATAR's Heuristic Framework

A pathway to turn complexity into solutions

I. Diversity exists:

Assessment of traditional crop varieties and animal breeds and their functional traits

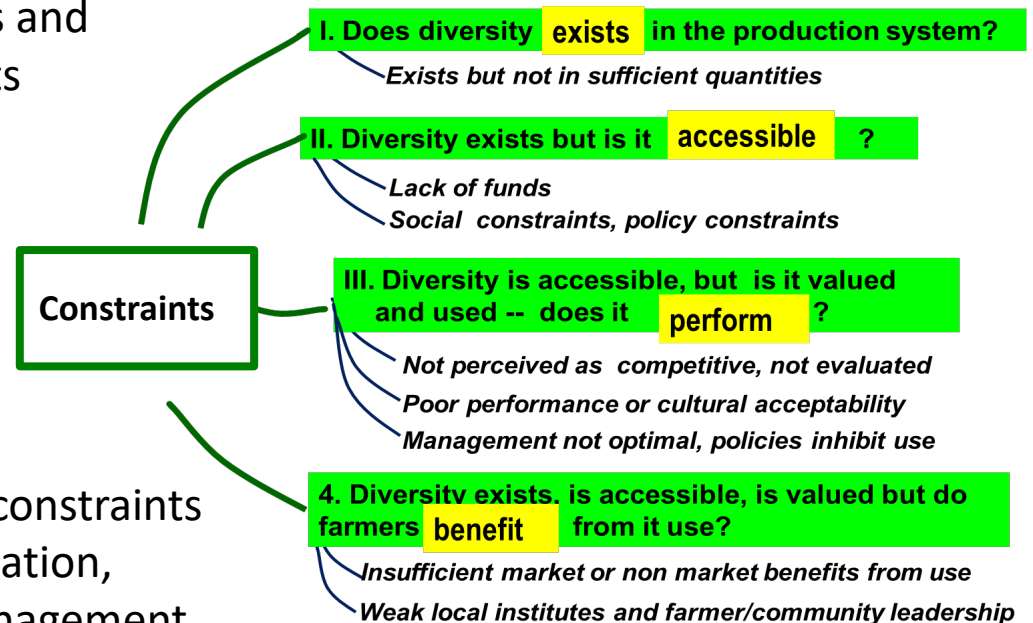
II. Diversity access:

Assessment of farmers/ herders/ fisher-folk access and constraints to diverse quality crop planting and animal breeding materials

III. Diversity performs: Understanding constraints and improve use through better information, improving the materials and better management

IV. Communities Benefit:

Marketing Diversity, ensuring gender and age equity, legal recognition of community contribution



How can DATAR support SEPLS?

Agrobiodiversity assessment for resilient landscapes

Intraspecific diversity is widely found in smallholder production systems that are SEPLS

This diversity results from farmers' actions and choices over generations

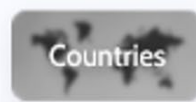
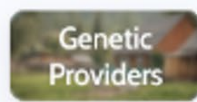
What DATAR evaluates in SEPLS

- Presence and distribution of agrobiodiversity
- Access and use patterns of local diversity
- Crop varieties, livestock breeds, aquatic farmed types
- Traditional, local knowledge and farming practices

How DATAR strengthens SEPLS

- Evidence-based landscape planning
- Community-led diversity interventions
- Resilience indicator monitoring
- Alignment with GBF Targets 10 & 11
- Support for IPSI knowledge management

DATAR Database

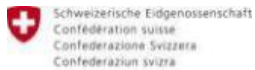


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Alliance



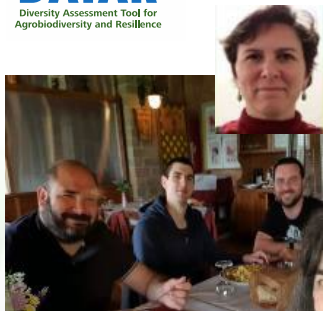
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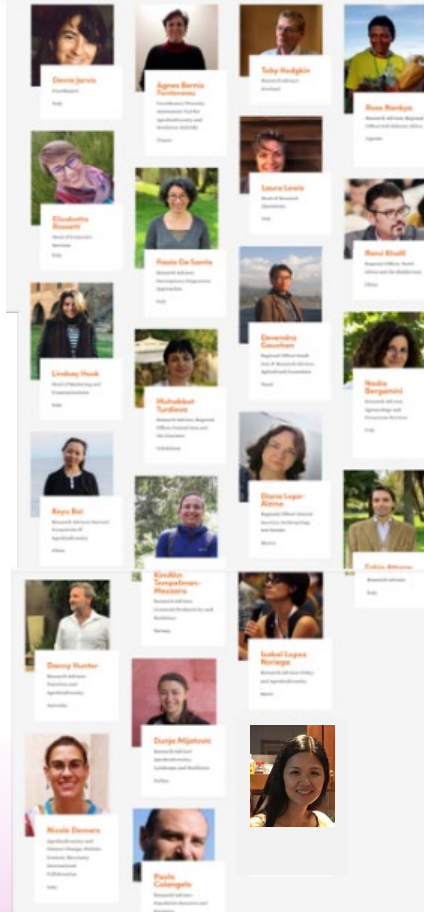
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