

SKIM

**Strengthening Knowledge Management
for Greater Development Effectiveness
in the Near East, North Africa,
Central Asia and Europe**



KM towards ICT-based systems

Mr. Enrico Bonaiuti - ICARDA

Research Team Leader: Monitoring, Evaluation and Learning

Tashkent

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Procasur



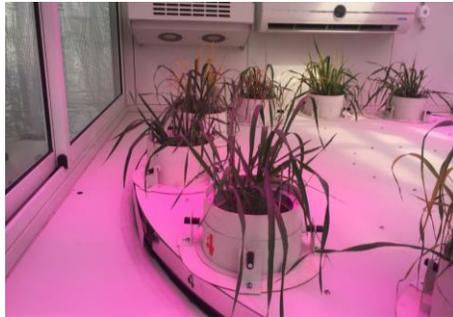
ICARDA is a Decentralized R4D International Institute on Dryland Agriculture combining Component Research and Systems Research



Component Research



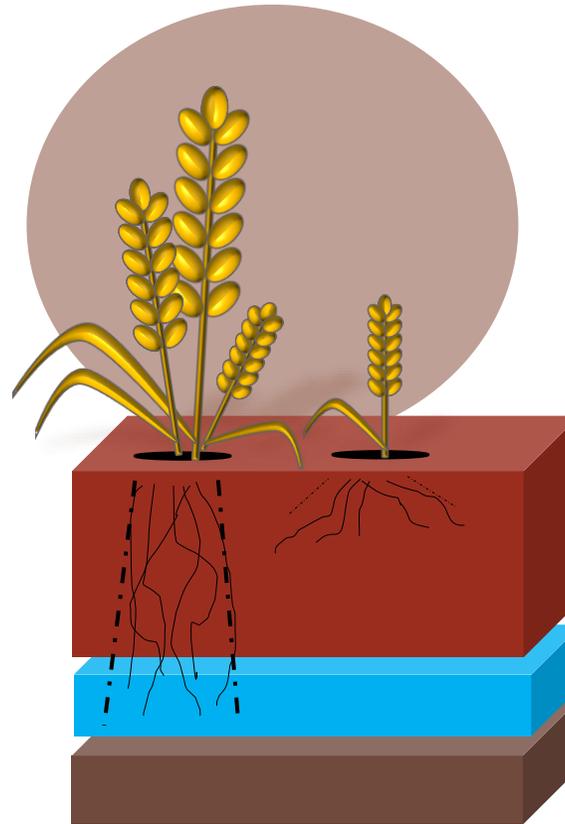
Genetic Resources



Plant
Breeding



Crop
Management



Soils and Waters



Small Ruminants

3 Cereals
4 Pulses

Strategic Research Priorities



SRP1: Genetic Resources

- Mining crop diversity to develop germplasm resistant to heat, drought, cold, disease, higher nutrients
- International public goods (open access)



SRP2: Adaption to Climate Change

Conventional and molecular breeding to develop climate-smart crops and livestock



SRP3: Building resilience

Integrated crop-livestock farming systems to address economic, social, and environmental conditions



SRP4: Promoting value chains, policies

Agriculture as an income-generating business for many poor smallholder households



SRP5: Enhancing water, land productivity

- Rainfed, irrigated (Blue and Grey), and agro-pastoral farming
- Reversal of environmental degradation
- Enhance intensification

Cross-cutting Themes



Scaling Up Proven Technologies

Engage with partners to put knowledge into action



Empowering Women, Youth

- Improve women's access to land, assets, knowledge
- Use technology and commodities value chain to engage youth



Building Capacity

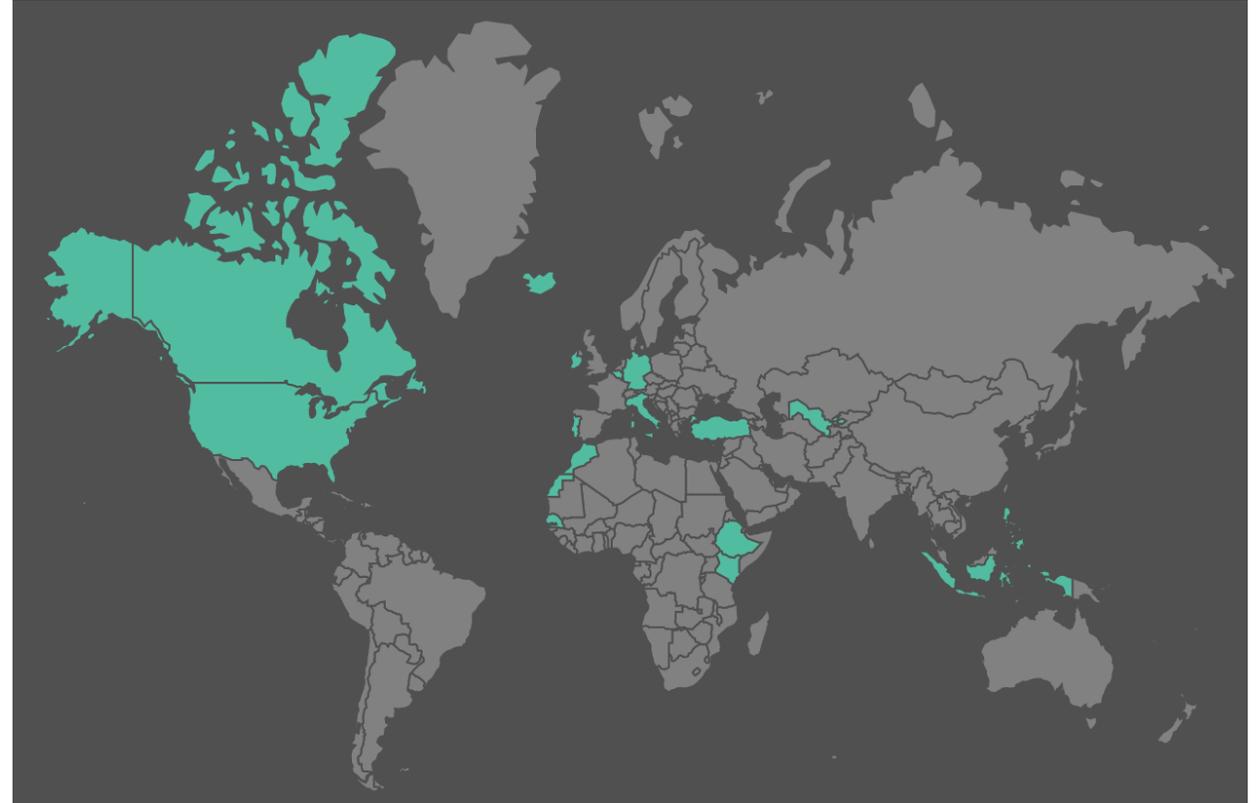
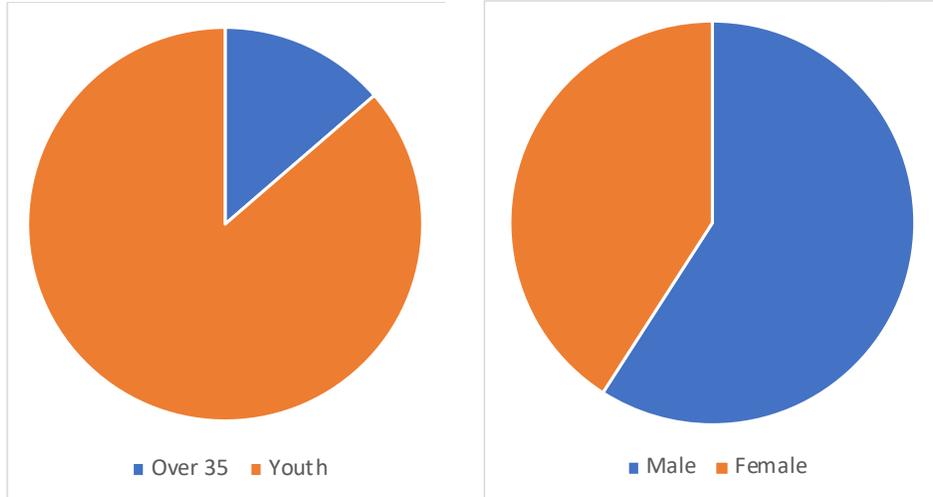
Empowered young researchers and institutions



Big Data and ICT

Enhance research efficiency and policy communications

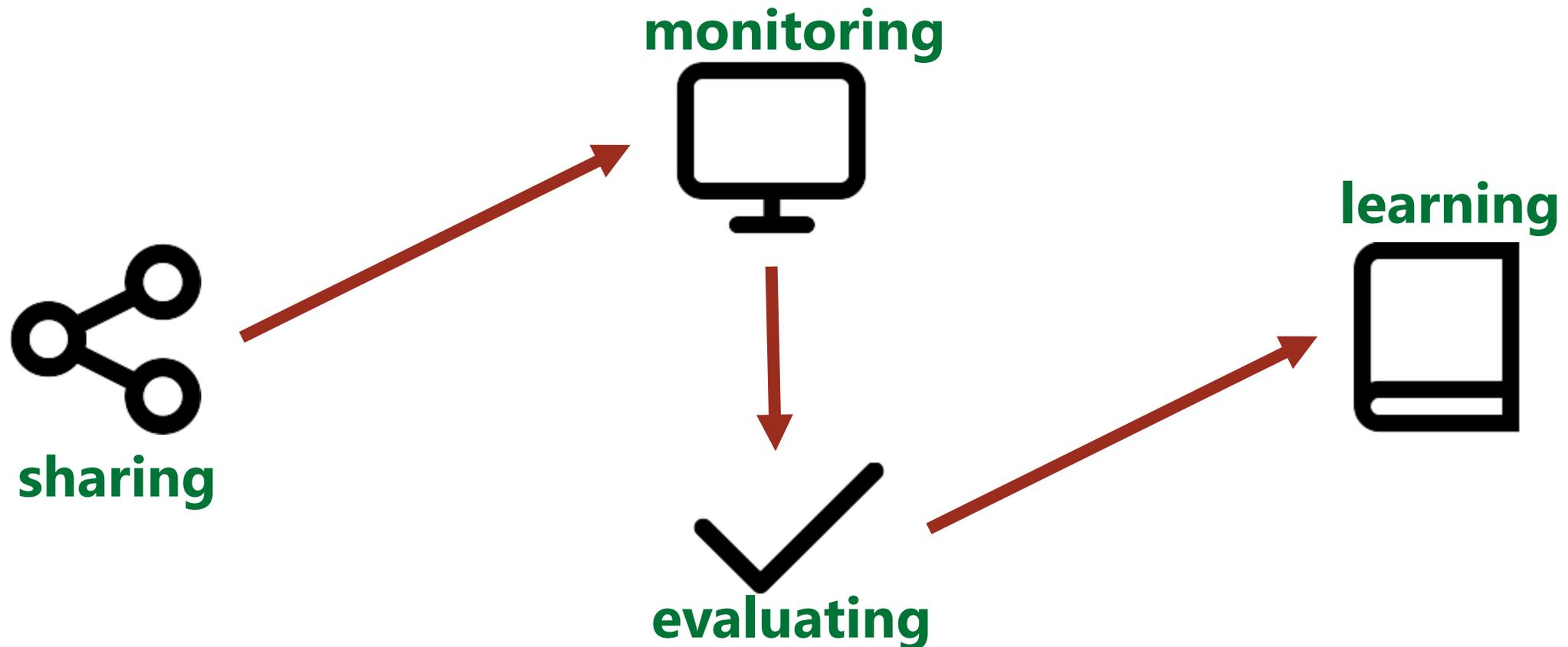
Monitoring, Evaluation and Learning Team



1. Monitoring and Evaluation
2. Data Management
3. Knowledge Management
4. Software Development

KM Cycles

Knowledge Management means more than optimizing the data flow within an institution, itself an essential and valuable asset, it also **means enabling and foster post-research impact over time**, through:



KM and ICT Based Tools: A Process

- 1. Identify KM Flows** (Field to Office, Capacity Enhancement, Institutional Memory, Efficiency Processes, Traditional knowledge, Innovations)
- 2. Define needs** in terms of information architecture, access and workflow
- 3. Assess existence of tools** and fit for purpose for institutional needs
- 4. Pilot with group of stakeholders** and development of short feedback cycles for improvement
5. Establish a **Community of Practice** within and across institutions
6. Continue to **look for innovations** and upgrade

Working together with FAIR Principle



Storage



- Quality Assurance (Workflow)
- Intellectual property

**GDPR
Safe
Measures**



Citation

Protected

**Information
uplaoded to
MEL**



ICARDA policy and regulations on open data are being constantly updated to ensure attribution, copy right and open access is always correct

Sharing



Predatory Journals

ICARDA has legal obligations in checking predatory journals

MEL checks predatory journals

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Thank You

