

**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**

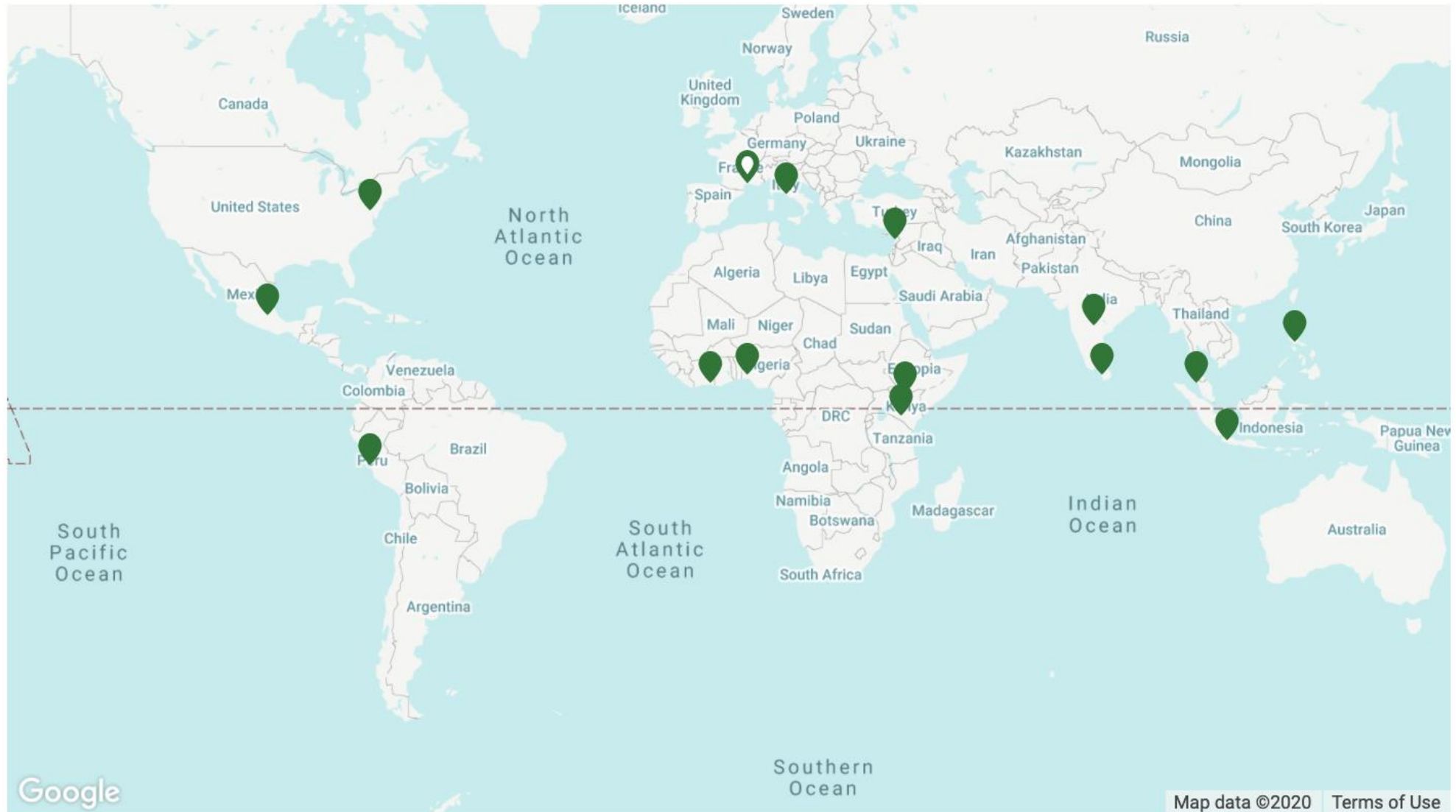
**Tashkent**

**1 July 2020**



**Procasur**





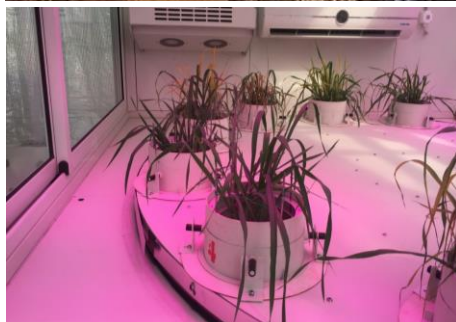
# ICARDA is a Decentralized R4D International Institute on Dryland Agriculture combining Component Research and Systems Research



# Component Research



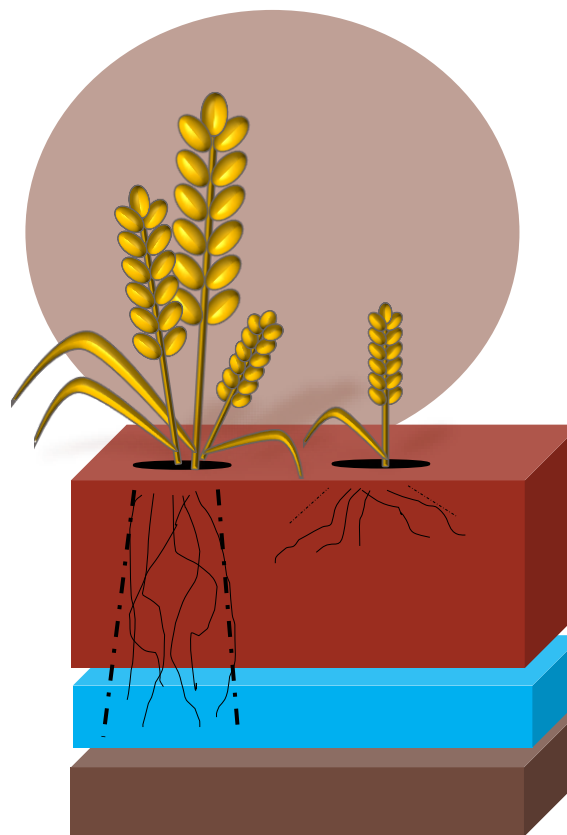
Genetic Resources



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



# Strategic Research Priorities



## **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



## Building Capacity

Empowered young researchers and institutions



## Empowering Women, Youth

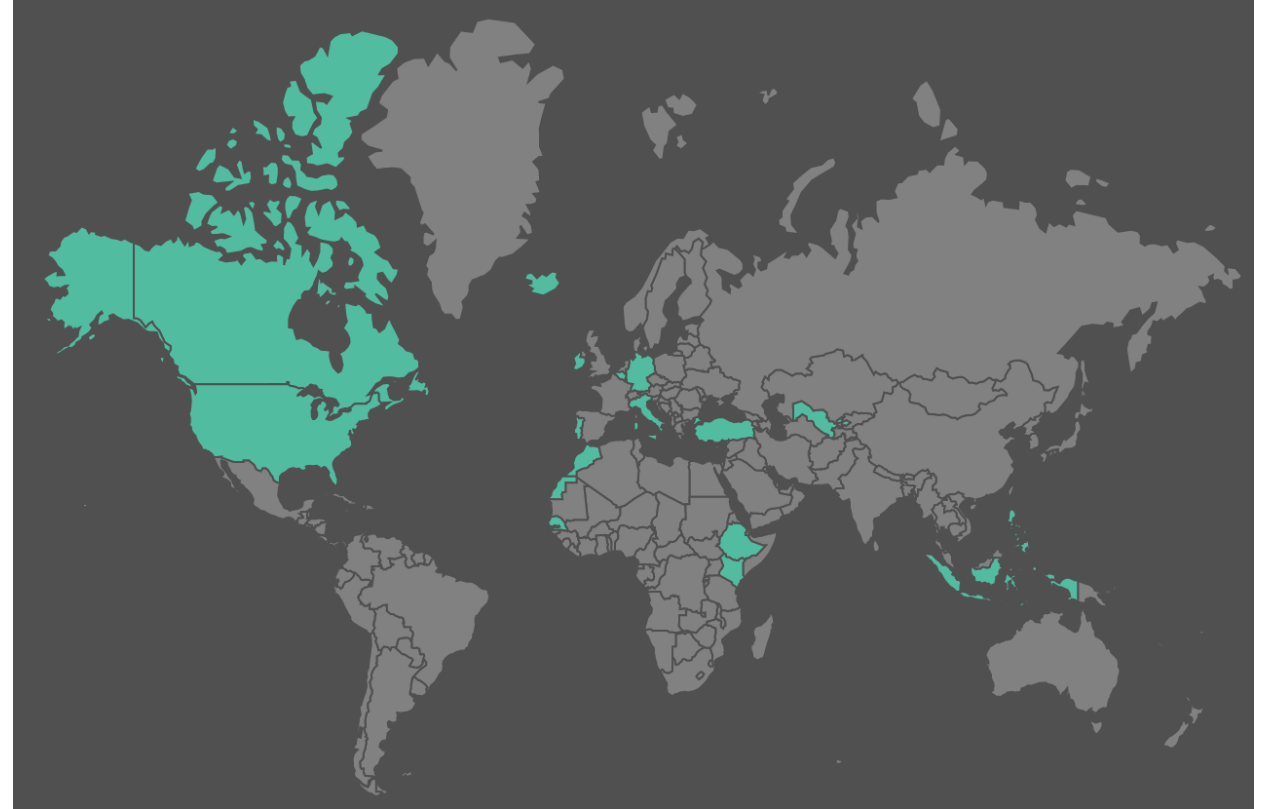
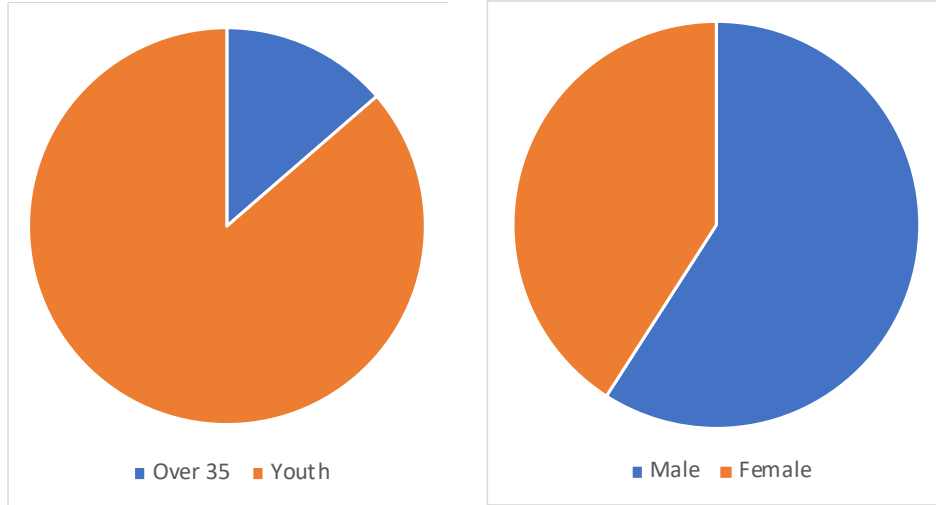
- Improve women's access to land, assets, knowledge
- Use technology and commodities value chain to engage youth



## Big Data and ICT

Enhance research efficiency and policy communications

# Monitoring, Evaluation and Learning Team

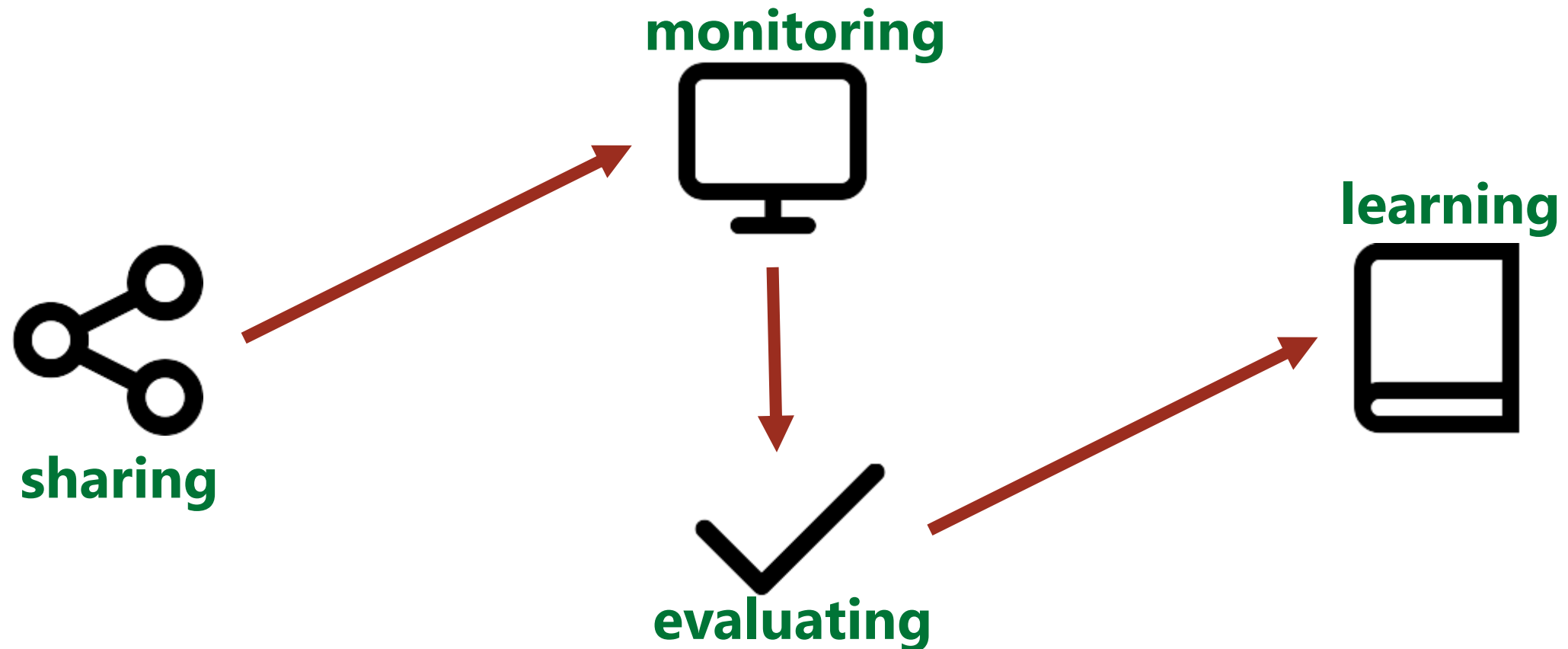


1. Monitoring and Evaluation
2. Data Management
3. Knowledge Management
4. Software Development



# 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

**SHERPA  
RoMEO**



**Storage**



- Quality Assurance (Workflow)
- Intellectual property

**GDPR  
Safe  
Measures**



**Citation**

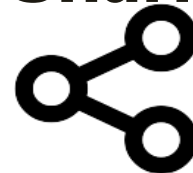
Protected

**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

# SKiM

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# Thank You



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