

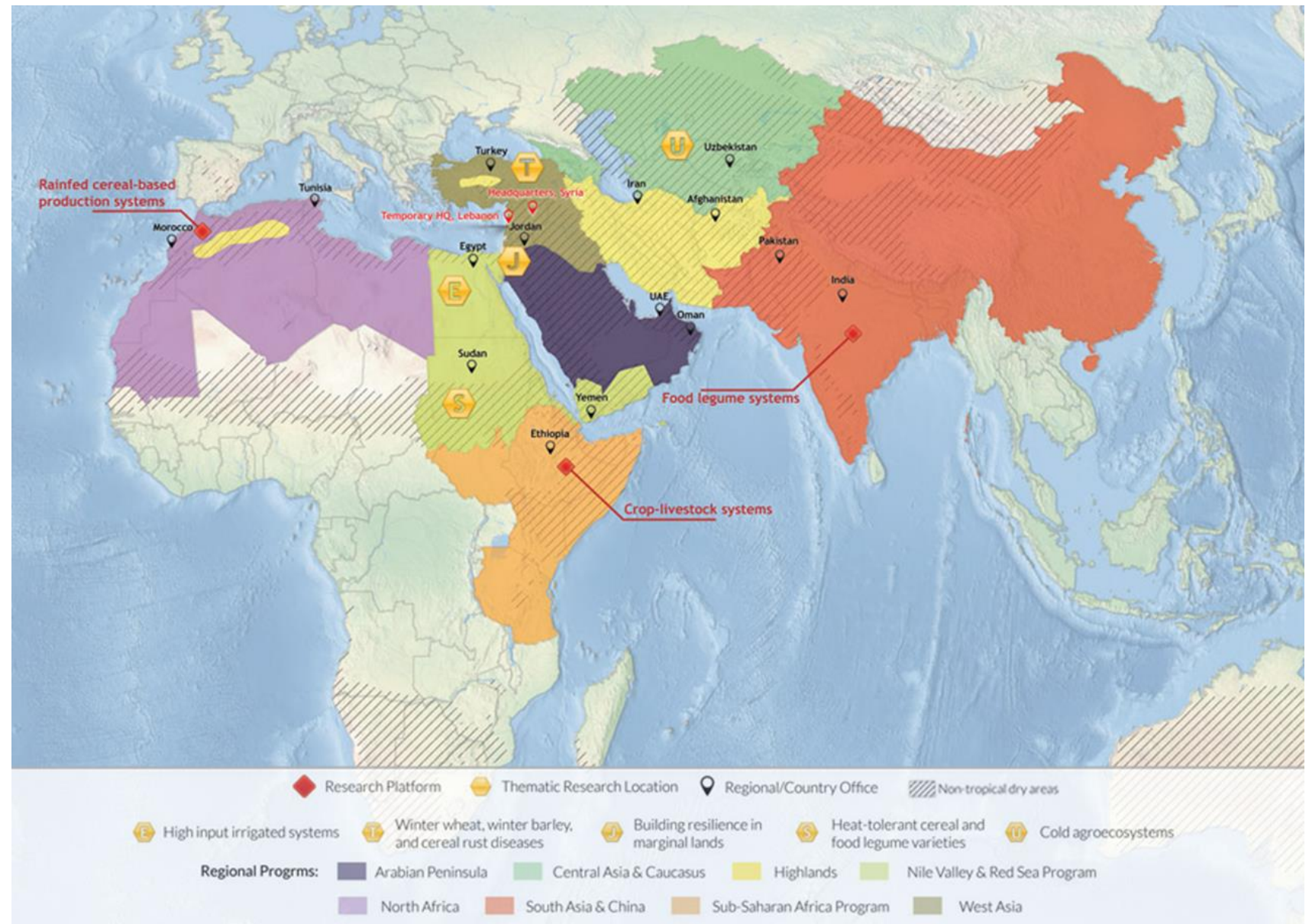
Welcome to ICARDA



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

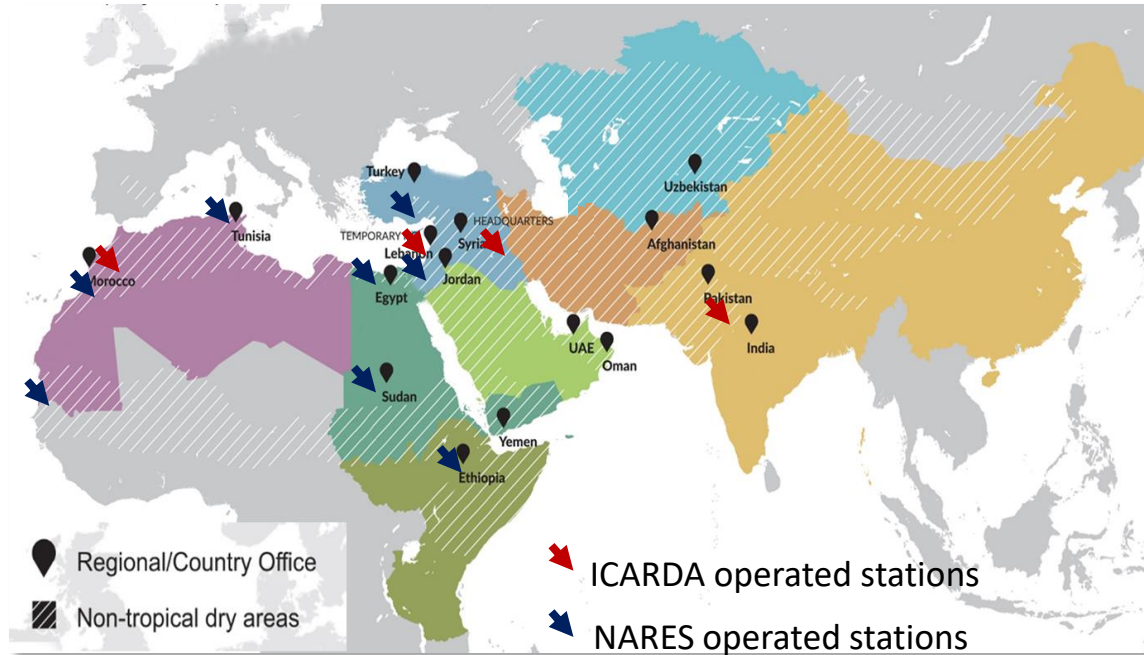
6 Research Platforms
5 Thematic Platforms
3 Integrated Research Programs

icarda.org



Non tropical dryland agriculture is our mandate

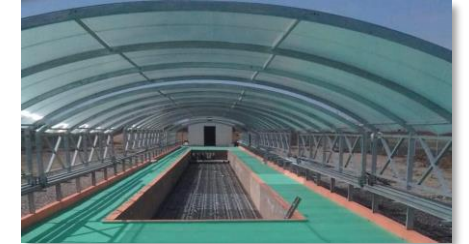
Major research platforms



Marchouch (Morocco)



Sidi el Aydi (Morocco)



Terbol (Lebanon)



Izmir (Turkey)



Amlaha (India)



Wad Medani (Sudan)



Tel Hadya (Syria)



Fanaye (Senegal)





Genetic Resources



Adaptation to Climate Change



Building resilience



Promoting value chains, policies



Enhancing water and land productivity



icarda.org **Scaling up proven
technological packages**



**Gender equality and
youth engagement**



**Capacity
Development**



Big data and ICR

Non tropical dryland agriculture is our mandate

New ICARDA Strategy 2017-2026

SDGs



OUR RESEARCH

5 STRATEGIC RESEARCH OUTCOMES (SRO)

3 CROSS-CUTTING OUTCOMES (CCO)

TAKING RESEARCH TO SCALE – PARTNERSHIPS FOR IMPACT

SRP1. Preserve and protect agricultural biodiversity in drylands in order to meet future climate and market related challenges.

SRP2. Improved and resilient crops for greater food security in face of climate change and market volatilities.

SRP3. Develop integrated drylands farming systems for improved and resilient livelihoods.

SRP4. Support the establishment of functional value chains and viable off-farm activities for diversified incomes and improved livelihoods in drylands.

SRP5. Support sustainable use and management of water and land resources in drylands.

Climate Change
Adaptation & Mitigation

Gender Equity & Youth

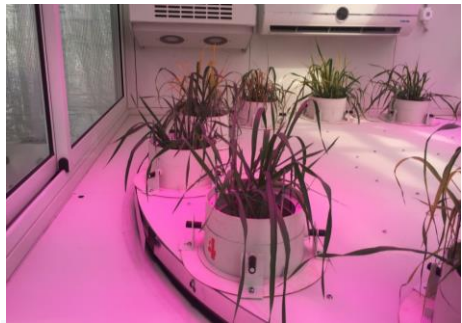
National Capacity
Development

Big Data & ICT

Component research to improve food security under climate change



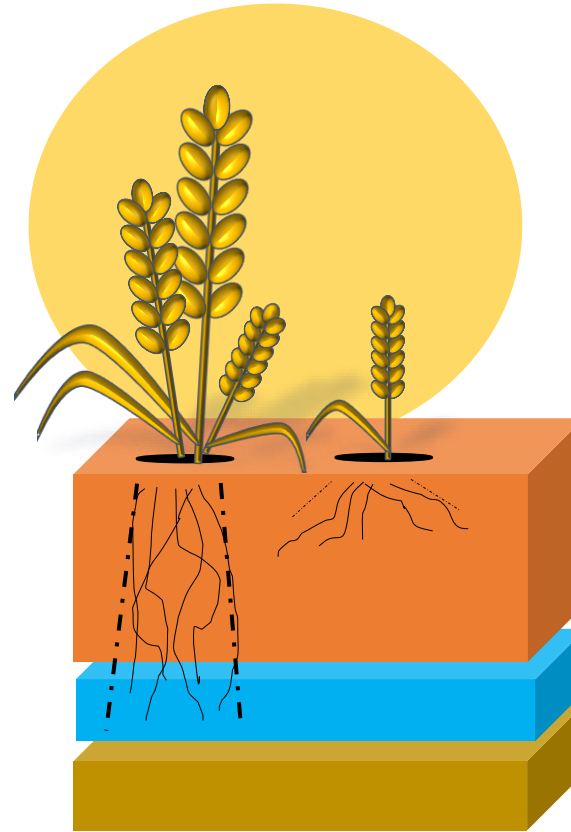
Genetic Resources



Plant Breeding



Crop Management



Soils and waters

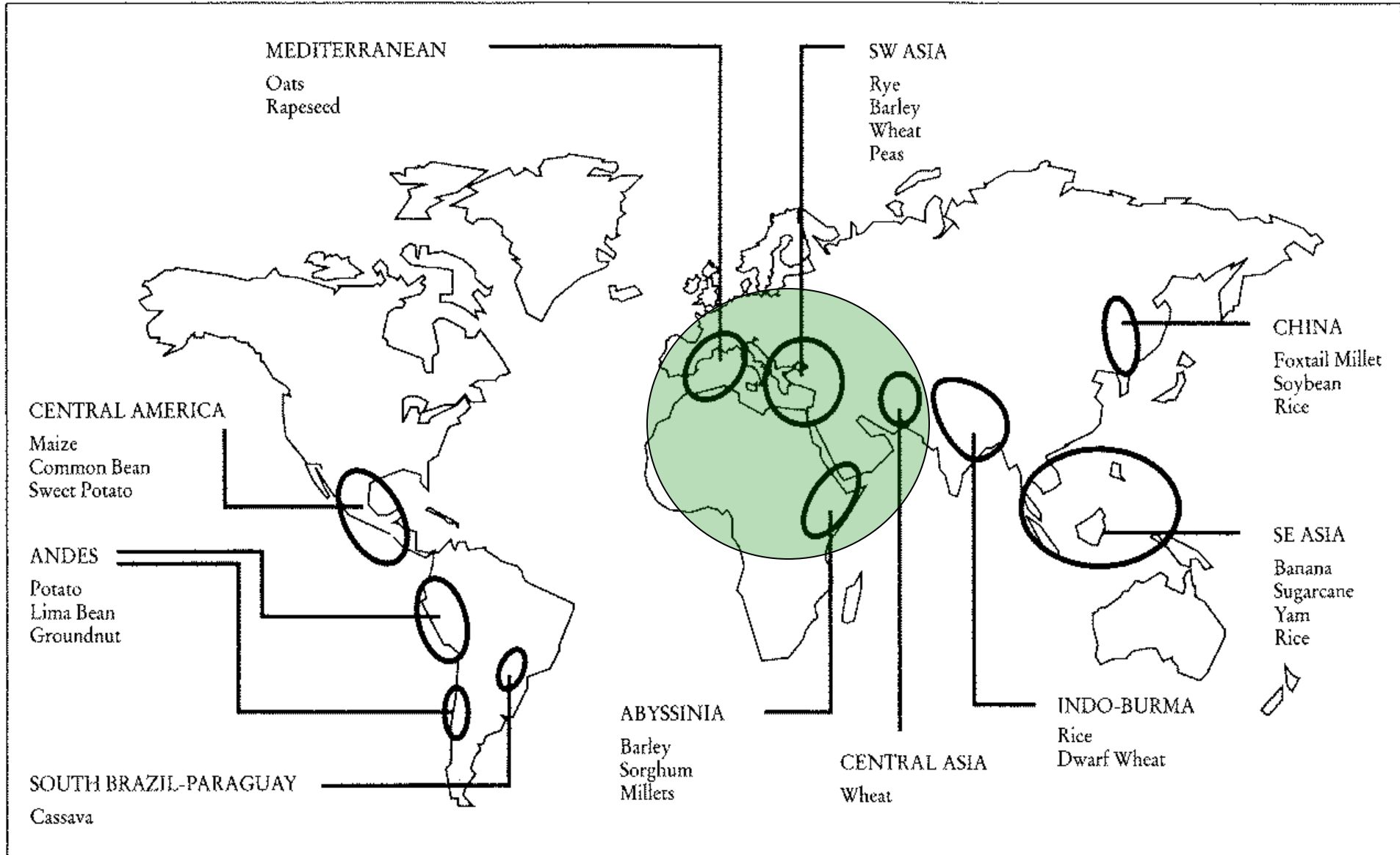


Small Ruminants

Global mandate

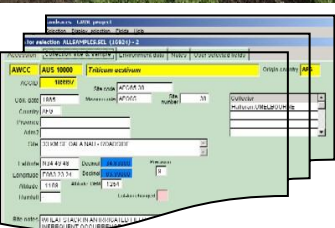
Barley, lentil, faba bean, grass pea and small ruminants, and shares the mandate for wheat and chickpea

ICARDA operates within 4 centers of origin and diversity



Main activities on genetic resources conservation at ICARDA

- Enriching genebank holdings with new accessions collected or acquired from partners;
- Applying best practices for characterization, multiplication/regeneration, documentation and conservation of plant and rhizobium genetic resources;
- Development of Focused Identification of Germplasm Strategy (FIGS) for efficient sub-setting of genetic resources;
- Contribution to utilization of genetic resources through their evaluation for prevailing biotic and abiotic stresses and quality attributes and to pre-breeding activities;
- Contribution to scientific basis and development of approaches for promoting *in situ*/on-farm conservation of dryland agrobiodiversity;
- Providing training and technical backstopping on all areas related to conservation and use of agrobiodiversity;
- Contribution to regional and global efforts on conservation and sustainable use of agrobiodiversity.





Gap analysis

Collection
Conservation
Documentation



FIGS analysis

Identify
useful
traits



Pre-breeding

Transfer useful
genes to elite
germplasm

Wide crosses

