

Photo of farmer in Tunisia, courtesy of ICARDA



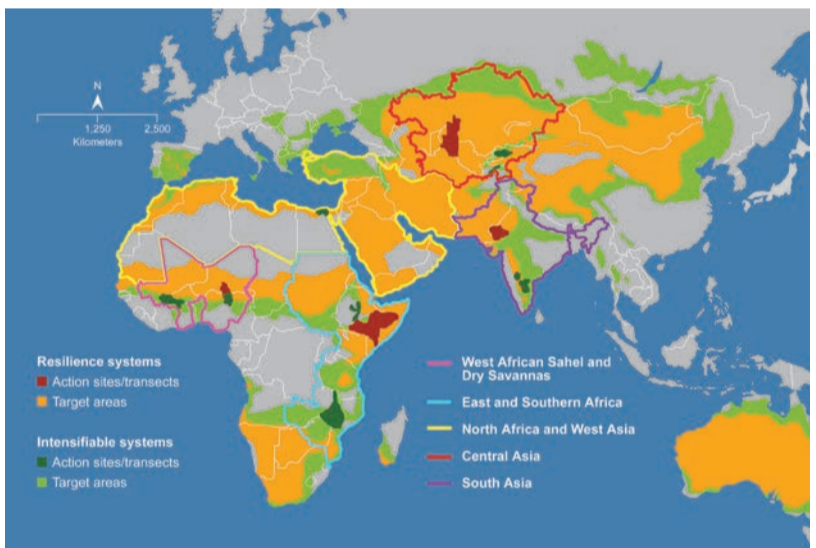
RESEARCH PROGRAM ON Dryland Systems

Food security and better livelihoods for rural dryland communities

How we work

We work with rural dryland communities to:

- Reduce risk and vulnerability and promote sustainable adaptive capacity in agricultural livelihood systems of scarce natural resources
- Intensify sustainable production in agricultural livelihood systems of richer natural resources and biodiversity.



Our 'systems thinking' approach looks at agricultural livelihood systems in a 'holistic' way to address key development constraints at bio-physical and socio-economic levels.

The table below outlines the challenges in each agricultural livelihood system.

Challenges	RESILIENT		INTENSIFIABLE		RESILIENT / INTENSIFIABLE
	Pastoral	Agropastoral	Tree-based	Rainfed	Irrigated
Climate change	● ● ●	● ● ●	● ● ●	● ● ●	●
Land degradation	● ● ●	● ● ●	● ●	● ● ●	● ● ●
Water allocation & management	●	● ●	● ●	● ● ●	● ● ●
Institutions & governance	● ● ●	● ● ●	● ●	● ●	● ●
Market access	● ●	● ● ●	● ● ●	● ●	● ●
Gender inequity	● ● ●	● ● ●	● ●	●	● ● ●
Production intensification	● ● ●	● ● ●	● ● ●	● ●	●
Production diversification	●	● ● ●	● ●	● ● ●	● ●
Youth employment	●	● ● ●	● ●	● ●	● ●
Knowledge sharing & dissemination	● ● ●	● ●	● ●	● ●	●
Systems approaches	●	● ● ●	● ● ●	● ●	● ●
Land tenure & access	● ● ●	● ●	● ●	● ●	● ●

On a scale of 1-3, 3 circles represent the highest level of the challenge faced within each agricultural livelihood system.

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