

Site: Akrich Village, Marrakech-Safi Region, Morocco (ICARDA)



Interventions:

- **Rehabilitation:** Rehabilitation of traditional irrigation systems such as **Khettaras** and **Seguia** in collaboration with farmers association and other stakeholders
- **Crops:** Introduce drought and salinity tolerant crops namely triticale, lupin and quinoa in the crop rotations to replace cereal monocropping and enhance crop diversity in **Khettara** and **Seguia** irrigation areas
- **Tillage:** Minimum tillage or no-tillage system
- **Irrigation:** Supplemental irrigation using *Khettara* and *Seguia* irrigation system
- **Crop evaluation:** Crop growth and yield traits
- **Value addition:** Transform grains to food products through farmers' / women cooperatives
- **Dissemination and exploitation:** Through field visits, on-farm demo trials, demo days, training and capacity building for farming communities, farmer's and women's cooperatives and other stakeholders

Climate: semi-arid continental Mediterranean climate, characterized by hot, dry summers and mild wet winters

Altitude: ~700 m a.s.l.

Rainfall: 240 to 290 mm, concentrated in the winter season

Available source of irrigation: *Khettara* and *Seguia*

Irrigation methods: Surface irrigation

Growing period:

	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Triticale												
Lupin												
Quinoa												