

# Water Governance and Conflict Mitigation

- Absence of Water Rights and Rules – Sindh, Afghanistan
- Not being implemented – result into conflicts, tension, inequality
- Rights are affected by modern schemes – Rules might be changed
- Case of Spate irrigation Sindh and new Dam
- Kachhi/Sibi Plain Balochistan, Pakistan
- Afghanistan – Nimroz Province

# Sindh

- For traditional spate system rules and rights needs to be codified
- For modern structures rights and rules need to be revised/formulated based on traditional rights and new needs.
- BALOCHISTAN
- Rights are changed from time base formula to land based formula
- WUA needs to be effective partner in water distribution system instead irrigation department alone
- Role of local administration is emphasised than the irrigation department.

- Involvement of local councils to amend the laws, role of local MP to change the law, Civil Society initiatives, using courts for amendments
- Learning groups involvement, media, academic and ministries
- Larger floods can also be used in case of modern structures
- Sedimentation may cause problem as now the flood flowing intensity is reduced – drainage and plugging need to be applied.
- Capacity development for irrigation department, WUA and operators of new system is required.

# Seed and Technology

- Spate agronomy, minor crops, non timber forest products, spate horticulture, rangelands, livestock etc.
- Learning from each other – Sorghum production in Eritrea
- Legume crops – black beans, other beans, sesame, multipurpose tree, oil seed etc.
- Exchange of seed within country through farmers network visits and capacity building program
- Seed exchange among countries – Malawi, Kenya, Tanzania, Ethiopia, Somaliland, Yemen, Sudan, Djibouti, Pakistan
- Directly to farmers

# Technology

- Value addition, reducing work load of women
- Milk/yogurt churner
- Ethiopia - MU
- Kenya - GIZ project
- Yemen – Network
- Zambia
- Afghanistan
- Somalilands

# Technology

- Seed cleaning, grading and preservation
- Sugar cane juice
- Oil extraction
- Fodder chopper
- Pruning and grafting etc.
- Design of ponds