

# Common Framework and Integration

DS Science and Implementation  
Meeting Amman June 30-July 4, 2014

# Underlying Issues

- Need a unifying definition to systems approach
  - In context of improving livelihoods in the dry areas
- Identifying main constraints as entry point
- Synergies multiple interventions and how interventions affect systems
- Boundaries can be set by stakeholders

# Added Value of CRP DS

- Broad statements to achieve the IDOs at a large scale through similarity mapping and development partners
- Informed development, with a particular focus on knowledge-based proposal
- Development dimension to reach the 16% of 2.5 billion people
- Non-linear assumptions greater potential to deal with uncertainty

# New Science and Common Frame

- New Science is Livelihood Science
- About overcoming constraints: 'whatever it takes approach'
- About synthesizing, modelling, integrating
- Dealing with uncertainty, building synergies, risk management
- Knowledge and data science
- Look at relationships (increase understanding of systems with feedback loops)
- Embracing heterogeneity as an asset at different levels
- Jargon terms can be data science and knowledge system science

# Operating Model

- Open mind
- Link with development and national development strategies early on
- Agricultural livelihood is the target but need to look at above and below that
- Bringing in more socio-economic and policy scientists that can deal with systems approach
- Also need system expert
- Capacity building for biophysical scientists (inside and partners) for system approach
- Can hire experts but need in-house receptors (two way capacity building)