

Innovative Project Story Central, West and Southeast Asia Countries:

Innovation, Issue, Development Agenda, Story behind the Story in Project Design and Implementation

Day 2 group session

Water Resources/Irrigation Projects

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What are key factors for successful innovations?

1. Innovation

- Satellite based remote sensing technologies to assess water productivity of agriculture (TAJ and PAK).
- Piped irrigation system for growing high-value crops (VIE)
- Transboundary water resources management (TAJ and AFG)
- Holistic and IWRM approach addressing multiple issues in one project (TAJ).
- Politically sensitive outputs in the project design (PAK).
- Policy related outputs in the project design (UZB).

2. Issues

- Are Innovations Successful?



Why are we still on the way to address key agenda?

3. Key Development Agenda

- Sustainable Management of Irrigation Systems
- Strengthening Institutional Capacity
- Good Project Design

4. Story behind the story

Lessons learnt: Assessment and performance review at the early stage. Realistic assumptions. Flexible change of the original project concept and preparation and implementation arrangements, Balancing implementability, complexity, innovation, etc.



Requirements make project designs complex

Low Complexity

1960s: Engineering

1970s: Engineering + Agriculture + Economics

1980s: Engineering + Agriculture + Economics + Management + User-Organizations

1990s: Engineering + Agriculture + Economics + Management + User-Organizations + Institutions + Gender

2000: Engineering + Agriculture + Economics + Management + Service Orientation + User-Organizations + Institutions/Governance + Gender + Policies/Politics + Environmental and Inter-sectoral aspects (IWRM) + “Green Water”

2000: Engineering + Agriculture + Economics + Management + User-Organizations + Institutions/Governance + Gender+ Policies/Politics + Environmental and Inter-sectoral aspects (IWRM) + “Green Water” + Climate Change

2010: Engineering + Agriculture + Economics + Management + User-Organizations + Institutions/Governance + Gender+ Policies/Politics + Environmental and Inter-sectoral aspects (IWRM) + “Green Water” + Climate Change + Cultural Aspects

2017+: Engineering + Agriculture + Economics + Management + User-Organizations + Institutions/Governance + Policies/Politics + Environmental and Inter-sectoral aspects (IWRM) + “Green Water” + Climate Change + Cultural Aspects+ Water allocation + High Level Technologies and Innovation

High Complexity