Strategic and Conceptual Planning for sustainable water Supply and Sanitation Services for All Afghans

Seminar Objectives

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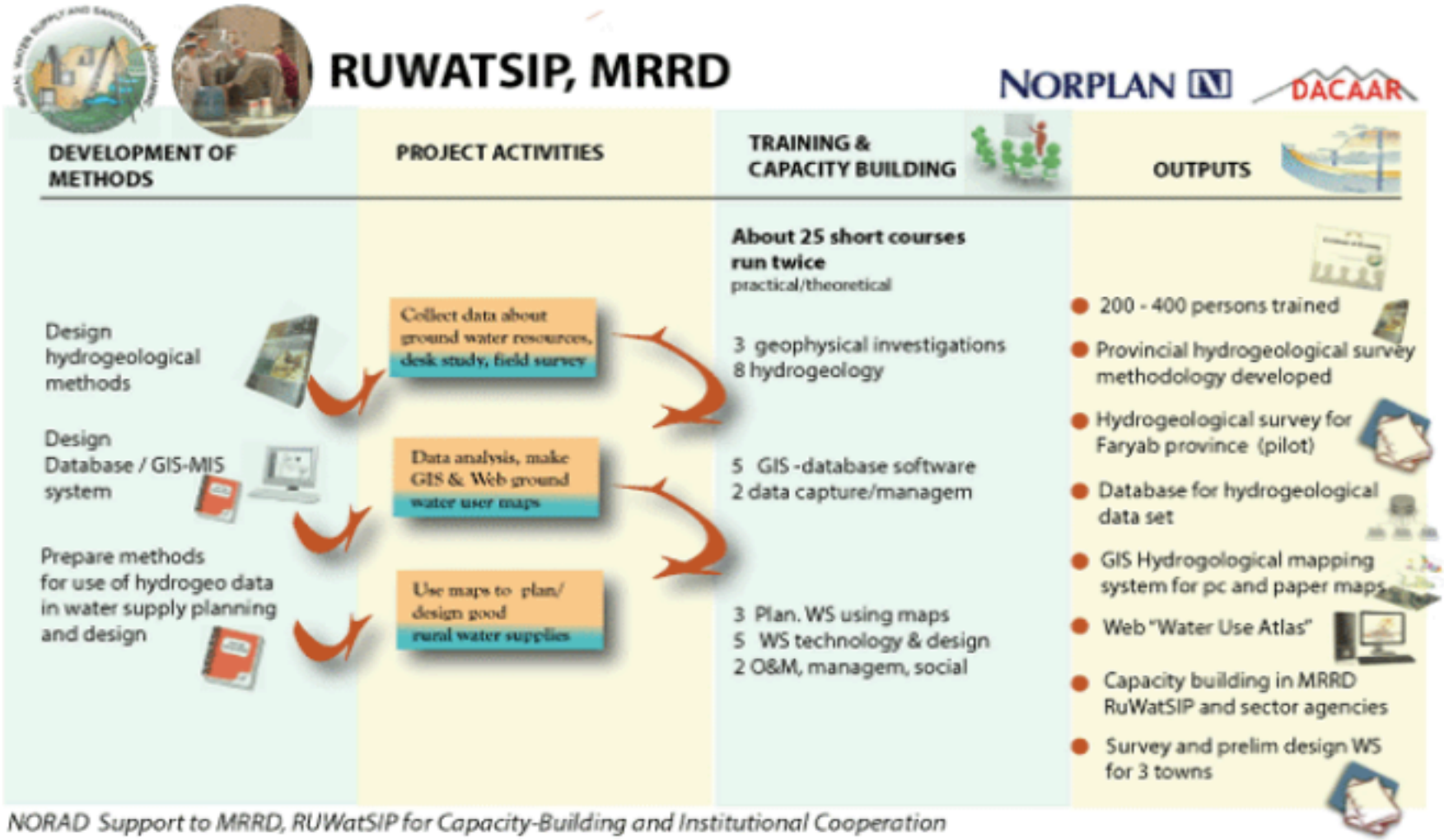
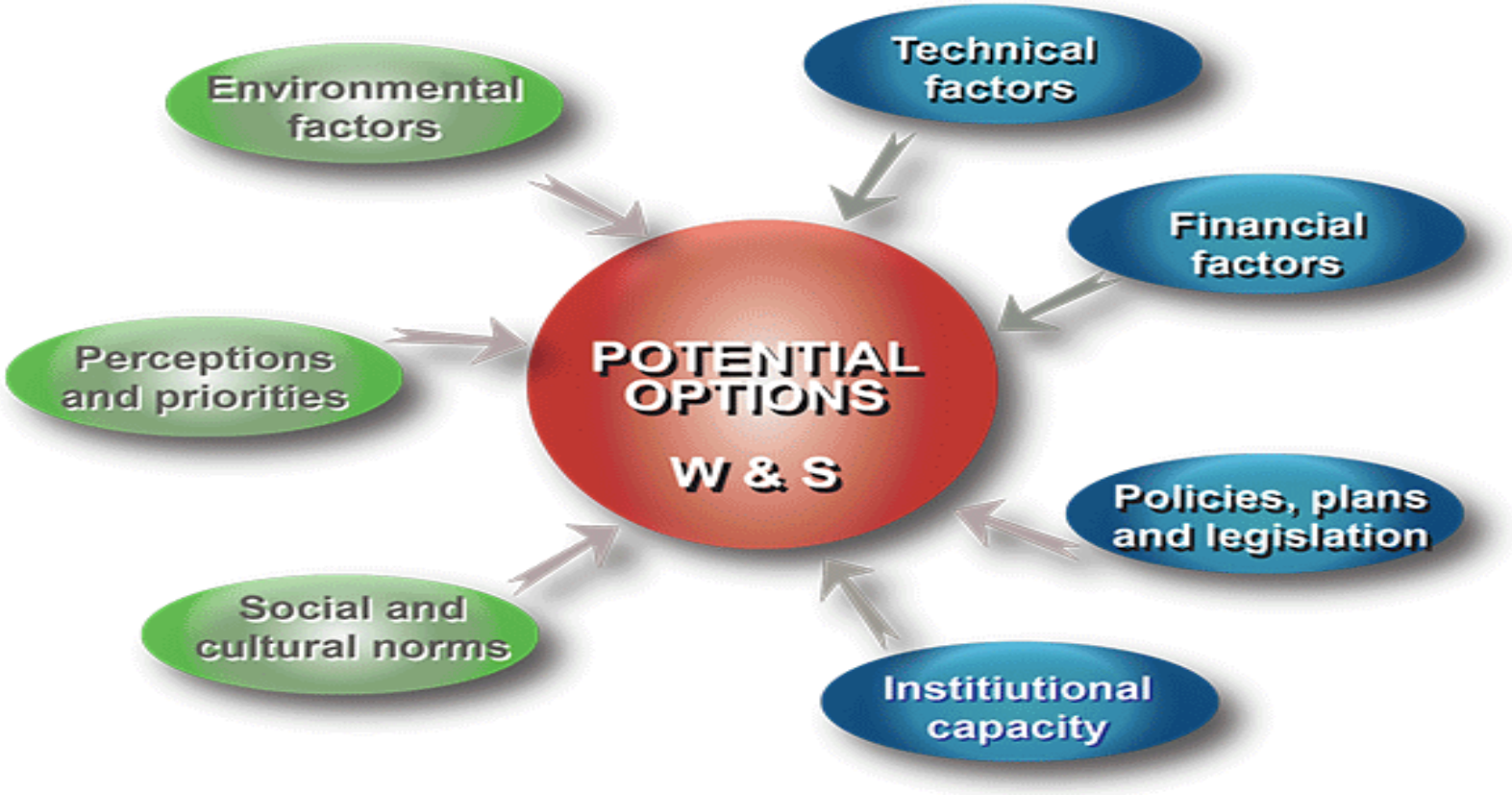
Service provision to all Afghan by sustainable manner



NORAD Support to MRRD, RUWatSIP for Capacity-Building and Institutional Cooperation in the Field of Hydrogeology for Faryab Province, Project

Conceptual Design Focus On



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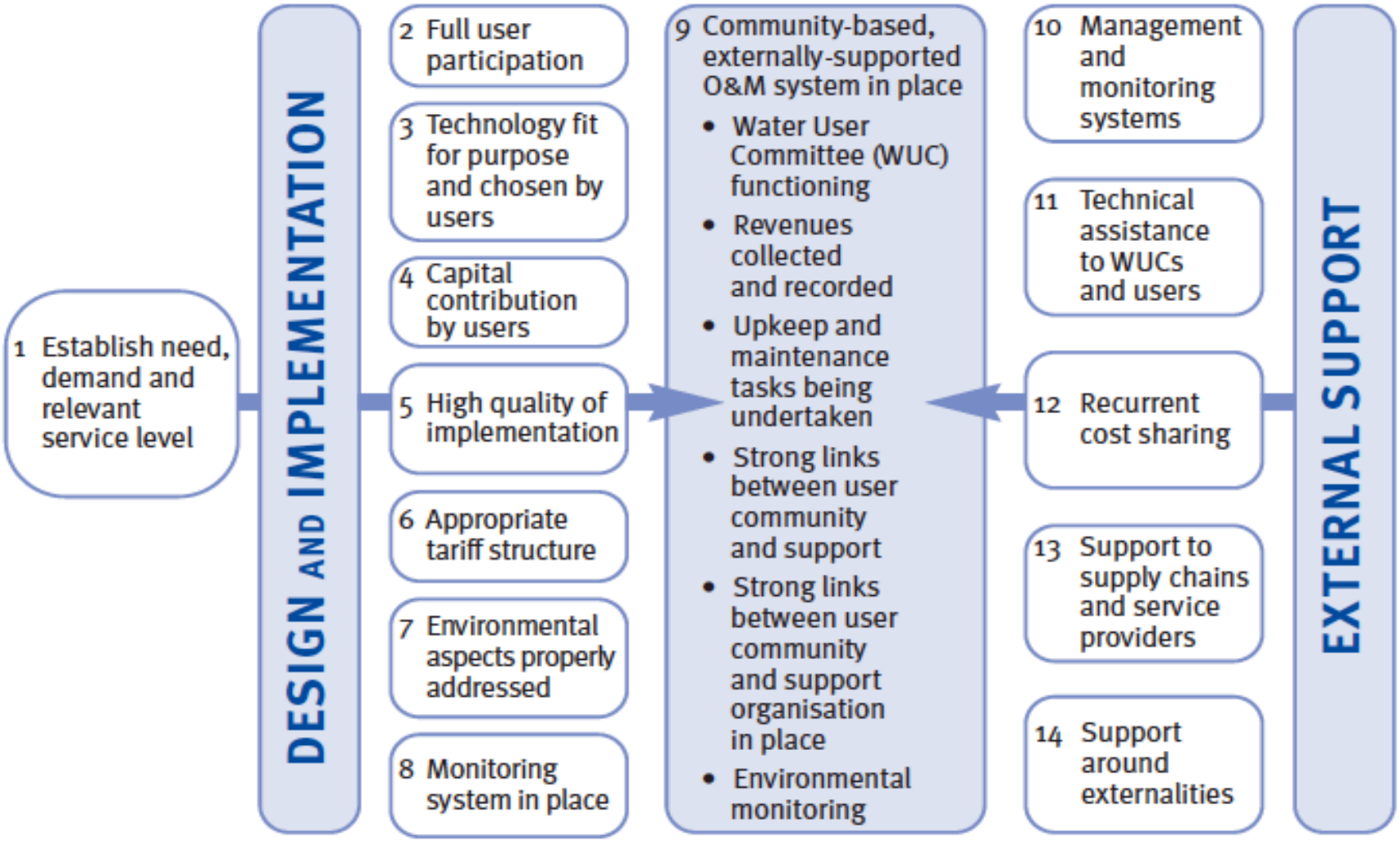
Conceptual Planning Means and how can serve all



Cost Examples for New Water Supplies

WATER TECHNOLOGY		10% Cash contribution per household One payment	Operation, Maintenance and replacement costs per household Per month	Per day	Per unit	
Protected Communal wells in the town - extraction 300 people		A60	A5	A0.2	A0.02	Rural
Protected springs - extraction 300 people		A81	A8	A0.3	A0.03	Rural
Community Water Points with handpumps on dug well. - extraction 150 people		A168	A34	A1	A0.14	Rural
Community Water Points with handpumps on borehole - extraction 300 people		A533	A56	A1.7	A0.23	Rural
Motorised pumps with overhead tank - using solar - using Nepa/diesel		A3064 A1404	A560 A275	A19 A9	A2.8 A1.1	Small Towns
One community with many waterpoints distributed along streets. - extraction 1100 people		A1685	A200	A7	A0.8	Small Towns
Surface water scheme - slow sandfilter and pretreatment - extraction 1500 people		A730	A265	A9	A1.1	Small Towns
Street standpipe Urban scheme 20 l p/d		Nil	A185	A6	A0.8	Urban
Yard standpipe or shared connection Urban scheme, 50 l p/d		Nil	A480	A16	A0.8	Urban
House connection with waterborne sanitation Urban scheme 120 lp/d		Nil-	A1130	A38	A0.8	Urban

note: The Cash Household contribution includes replacement costs for complete installation, 5 yrs replacement period for mechanical equipment and 20 yrs for civil structures. The Household is assumed to have 7 persons, so for per capita figures divide household cost by 7. The figures above is based on 70% capacity utilization and a potable water consumption of 25 liters. Assumed cost for production and delivery of one cu. meter (1000 l) urban water supply: US$ 0.7. (1$ = 90 atg)

Sustainability is a challenge!

- Need to work on demand base services.
- Need coordination between the water resource management and consumers organizations.
- Need to establish community water user committees and develop their capacity to manage water supply systems.
- Need to identify adequate sources of funding for O&M costs.
- Need to define roles and responsibilities of different players, and in particular to build partnerships with and capacity of local government.
- Need to learn about what works in regard to sustainability.
- Need to support communities, partners and local authorities in their efforts to achieve sustainability.

General Requirements for Sustainability

- There must be real demand from users which is evidenced in the consistent use of improved water and sanitation services and the practice of improved hygiene behaviors.
- There must be adequate revenue to cover recurrent costs, with appropriate tariff structures that include the poorest and most marginalized.
- There must be a functioning management and maintenance system comprising tools, supply chains, transport, equipment, training and individuals/institutions with clear responsibilities.
- Where systems are managed by communities or institutions there must be effective external support to those community-level structures and institutions.
- The natural resource and environmental aspects of the system need due attention.

Today's Program Session

Session I – Status and assessment Welcome, status and challenges in service provision		
Time	**Activity**	**Key Speakers Responsible Person**
8:30 – 9:00	Registration	All participants
9:00: – 9:05	Recitation verses of the Holy Quran	Abrar
9:05 – 9:15	Welcome speech and MRRD development focus	Deputy Minister,
9:15 – 9:20	Seminar objective	Eng. Abrar
9:20 – 9:35	Service status and plans all rural areas	Dir. Qader, RuWatSIP
9:35 – 9:50	Service status and plans for Urban Areas	Dir, AUWSSC, Eng Latif
9:50 – 10:05	Need to look at progress? Models and user surveys?	Stoveland, NORPLAN
10:05 – 10:20	Do our water resources meet the demand for water supply? - challenges	Eng. S. Shobair, MEW
10:20 – 10:40	Questions and discussion. Discussions	

Session II – Policies, and resources for closing service gaps.		
Time	**Activity**	**Responsible Person**
11:00 – 11:15	Policies to meet service gaps for rural water supply and sanitation	Safi, MRRD
11:15 – 11:30	Policies for service provision in urban areas	Eng. M. Noor, GIZ
11:30 – 11:50	Water & sanitation, users/ engineers demands upgradable service provisions/ affordability/ sustainability. Example from large city similar to Kabul.	Stoveland, NORPLAN
11:50 – 12:10	Support / focus on water sector for funding and service development in Afghanistan?	World Bank/ ADB / UNICEF /USAID/ KFW / others
12:10 – 12: 30	Discussions	Eng. Latif, Eng. Safi, Abrar, Prof. Eqrar, Stoveland
12:30 – 13:40	**Lunch/Prayer**	

Session III – Day 1 Afternoon Focus on Environment, sanitation and service sustainability.			
Time	**Activity**	**Key Speakers**	**Responsible Person**
13:40 – 13:55	Policies and strategies for environmental provision?		H.E. Malikyar, NEPA
13:55 – 14:10	Flexible/upgradable development of wastewater services?		Alex, BORDA
14:10 – 14:25	Sustainable solutions? - DACAAR experiences of sustainable solutions		DACAAR, (Alt Abrar)
14:25 – 14:40	Service provision in unplanned peri-urban		UN Habitat
14:40 – 14:50	Discussions. How to improve coordination between actors – overlapping services provisions- sustainability- flexibility Can we reach service for all?		Dir Qader/ Noor/ Stoveland
14:50 – 15:00	Summary and Closing of Seminar		Closing

Thank you
for your attention!