

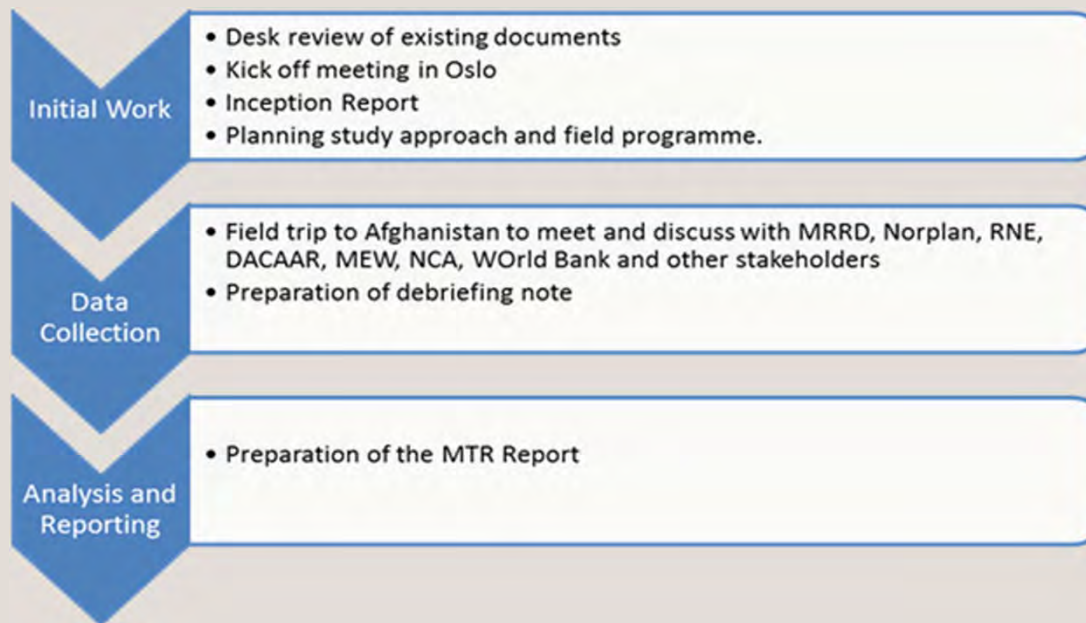
Debriefing Presentation

Mid Term Review for the Capacity Building and Institutional Cooperation in the field of Hydrogeology for Faryab Province - Afghanistan

Presented by: David Heywood – MTR Team Leader – COWI AS

Other MTR members: Mr Hamayuon Paikar – Local Consultant
 Mr Muhammad Ajmal Samim – Local Consultant

MTR Consultant Approach and Methodology



Initial Work

- › CONTRACT SIGNED – 5TH FEBRUARY 2014
- › KICK OFF MEETING IN OSLO – 5TH FEBRUARY 2014
- › INCEPTION REPORT SUBMITTED – 7TH FEBRUARY 2014
- › INCEPTION REPORT APPROVED BY NORAD – 14TH FEBRUARY 2014
- › MOBILISATION FOR FIELD WORK – 14TH FEBRUARY 2014

Fieldwork Data Collection – Meeting Schedule

Day	Morning	Afternoon	Comments
15 th February	Arrival from London via Dubai	Meeting NORPLAN	Public Holiday in Afghanistan
16 th February	Meet Local Consultant MRRD – Qadar / Safi	Prof Eqrar – Training	COWI briefs local MTR consultant team in morning
17 th February	DACAAR – Wali/Hassan etc. Prof Zarinkhild –GIS/MIS	MEW - UNICEF – Adana Bekele	
18 th February	Mid Term Review of Training Program Workshop at MRRD (all day program) – More than 50 participants		Side meeting with AUWSSC
19 th February	ANSA Workshop to discuss Water Quality Standards	MRRD - Qadar Norwegian Church Aid	
20 th February	NORPLAN World Bank – Ladisy Chengula	Norwegian Embassy - Debriefing	
21 st February	Continue MTR Report Writing	Depart Kabul for London	

Faryab Project – Planned and Actual

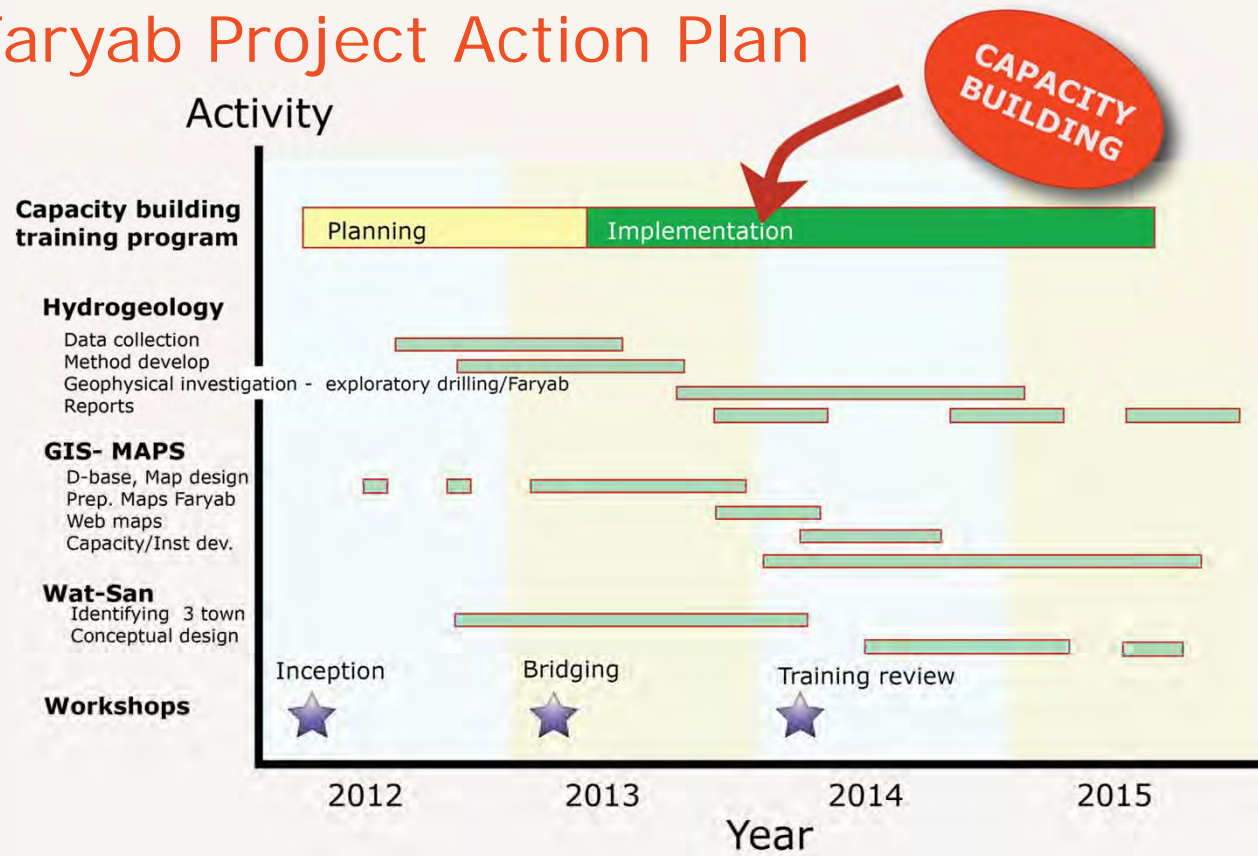
Original Project Duration 36 months

Currently agreed Project Duration 42 months

Project Period	Planned	Actual	Start Date	End Date
Inception Phase	2 months	4 months	20-01-2012	30-04-2012
Planning Phase	6 months	12 months	01-05-2012	30-04-2013
Implementation Phase	28 months	26 months	01-05-2013	30-06-2015
TOTAL	36 months	42 months		

Norplan have indicated a further requirement of 6 months until end of 2015 – Not yet approved

Current Faryab Project Action Plan



Capacity Building and Institutional Cooperation in the field of Hydrogeology for Faryab Province, Afghanistan – Between MRRD and Norad financed Partner

Project components

- > Hydrogeology
- > GIS/MIS
- > Water Supply and Sanitation
- > Training and Capacity Building

Hydrogeology activities

- › Develop methodology
- › Data gathering
- › Geophysical investigation and baseline surveys in Faryab by DACAAR
- › Geophysical interpretation is currently in progress
- › Hydrogeological maps are in progress - Atlas is under preparation – due in March 2014 – linked to GIS component
- › Hydrogeological report under preparation - due in April 2014

Hydrogeology achievements

- > Data gathering and methodology completed
- > Improved knowledge of hydrogeological conditions in Faryab
- > Water sampling has shown that laboratory results in Afghanistan are highly questionable
 - > Sample of been sent to UK (British Geological Survey) for analysis
- > Targets for exploration drilling and test pumping identified
 - > This includes potentially attractive aquifer beneath Maymaneh Airport
- > Hydrogeological maps and Atlas are being prepared – this will be a pilot for the whole country
- > Hydrogeological report in preparation

GIS activities and achievements

- › GIS delayed due to recruitment of suitable Advisor
- › Local GIS Advisor recruited only in Dec 2012 spends 50% of time on project and 50% on MRRD/Ruwatsip through UNICEF
- › Map format is now being formalised
- › Paper based maps are being developed (i.e. hydrogeology atlas)
- › Web based GIS maps are being prepared
- › Started to extend and test GIS system in 2 other provinces
- › Development of GIS manual – not yet started

Water Supply and Sanitation activities

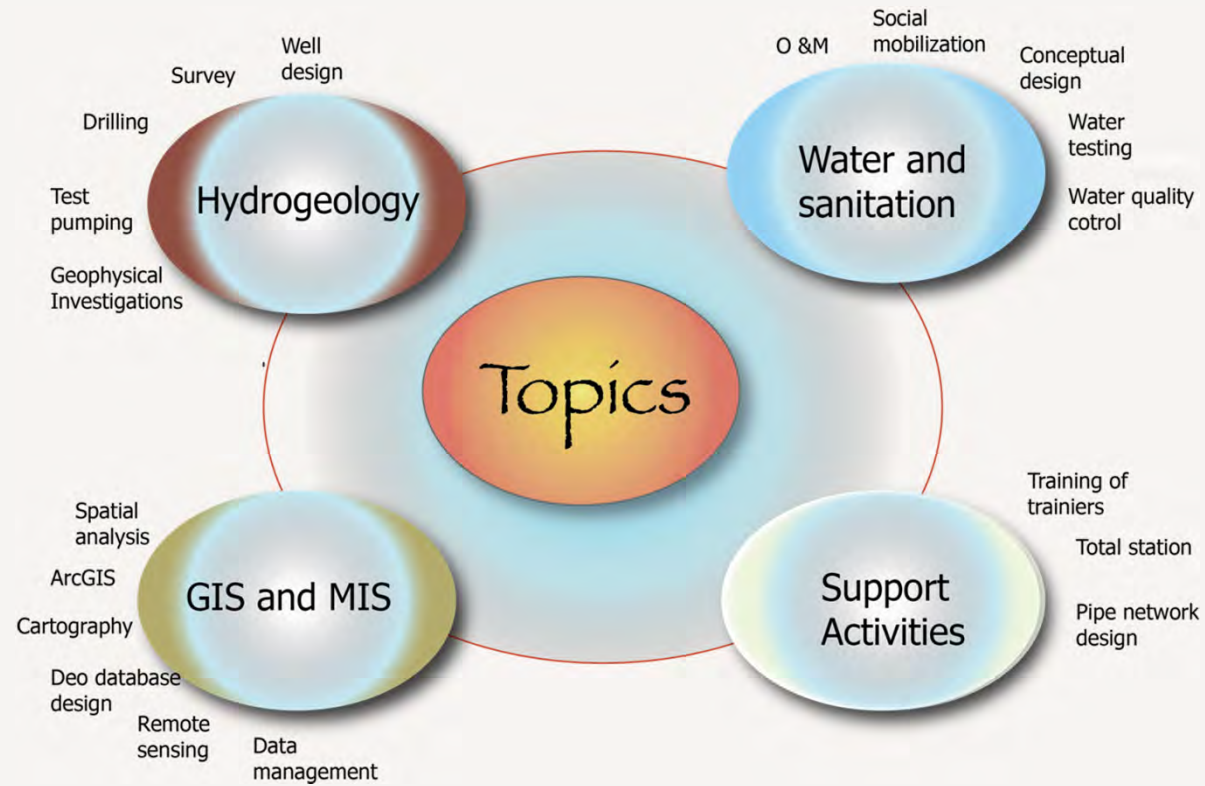
- › Defining and prioritising settlement areas
- › Improved coordination with other stakeholders
- › Geophysical investigations for selected/identified areas
- › Modality for project planning and implementation
 - › Funds only for design NOT for implementation
- › Preparation of conceptual plan
- › Preparation of water supply design
- › Implementation plans for rural towns or settlements

Water Supply and Sanitation achievements

- > Towns/villages identified
- > Coordination with other stakeholders is much improved
- > Field survey is delayed only now possible in mid 2014 – but security situation is problem
- > Knock on effect for other activities like design etc.
- > Any implementation works resulting from this (not part of project) can only commence in 2015 – BUT need to identify funding source!
- > Working with NCA and University of Life Sciences in Oslo to discuss possible technical support to NCA for provision of Solar Stills – Norplan providing support for this



Capacity Building and Training Themes



Current Training Calendar

Month	January	February	March	April	May	June	July	August	September	October	November	December
Week no	1 2 3 4	5 6 7 8 9 10 11 12 13	14 15 16 17 18 19 20 21 22 23	24 25 26 27 28 29 30	31	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
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Training Calendar 2014

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Training Calendar 2015

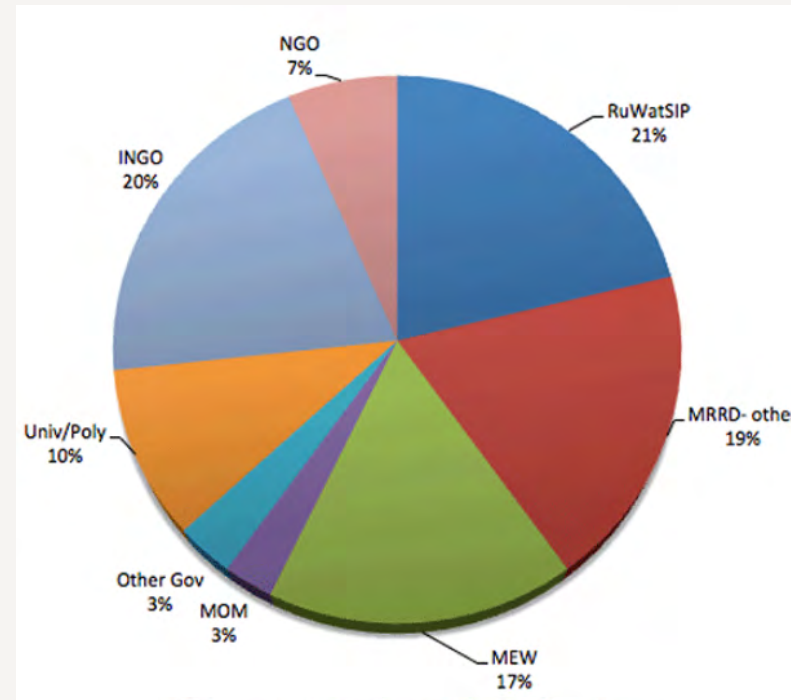
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<p>Key code:</p> <p>Public holidays</p> <p>Hydrogeology I (Norplan)</p> <p>1.1 Groundwater investigation</p> <p>1.2 Geophysical survey, 7 daysx2</p> <p>1.3 Well drilling methods, 4 daysx2</p> <p>1.4 Water well design and completion, 5 daysx2</p> <p>1.5 Well hydraulics, 7 daysx2</p> <p>1.6 Hydrochemistry, interpretation of data</p> <p>1.7 Planning and implementation of provincial hydrogeologic survey</p> <p>1.8 Geophysical borehole logging, planning and, 6 days x 2</p> <p>1.9 Geophysical borehole logging interpretation of data</p> <p>1.10 well construction and pumping test</p>	<p>Hydrogeology II (DACAAR)</p> <p>2.1 Interpretation of data, 5 daysx2</p> <p>2.2 Preparing thematic maps, 5 daysx2</p> <p>2.3 Water quality testing and GPS use in the field</p> <p>2.4 Practical Geophys. Investig. and Siting in the province</p> <p>2.5 Well construction and pumping test (Province)</p> <p>2.6 Pumping test and data collection of exploratory well (Faryab)</p> <p>Training of trainers (DACAAR)</p> <p>3.1 Training methods, 2 daysx2</p> <p>3.2 Best practice, 2 daysx2</p>	<p>GIS</p> <p>4.1 ArcGIS Software Introduction</p> <p>4.2 ArcGIS Databases</p> <p>4.3 ArcGIS Spatial analyses</p> <p>4.4 RGIS viewer administration, 3 days (Norplan)</p> <p>4.5 RGIS viewer how to use, 1 day (Norplan)</p> <p>4.6 RGIS design, 1 day (Norplan)</p> <p>4.7 Data management, 5 days (Norplan)</p> <p>4.8 Data capturing, 1 day (Norplan)</p> <p>4.9 Cartography, 2 days (Norplan)</p> <p>4.10 GIS for hydrogeologist</p> <p>4.11 Remote sensing</p> <p>4.12 Cartography-2</p>	<p>Water and sanitation</p> <p>5.1 Planning using water atlas, 2 daysx2 (Norplan)</p> <p>5.2 Conceptual design 3 daysx2 (Norplan)</p> <p>5.3 O&M 1 dayx2 (DACAAR)</p> <p>5.4 Social aspects, WASH policy, 4 daysx3 (DACAAR)</p> <p>5.5 Water network design 4 days (regional expert)</p> <p>5.6 Localisation, use of, 2 daysx2 (local expert Naser)</p> <p>5.7 Laboratory Quality Control-1</p>
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● Key points
● National hydrogeological conference
● National conference in GIS and web.tool
● Development of hydrogeological water atlas-half day
● training course evaluation

Breakdown of Training Course Participants

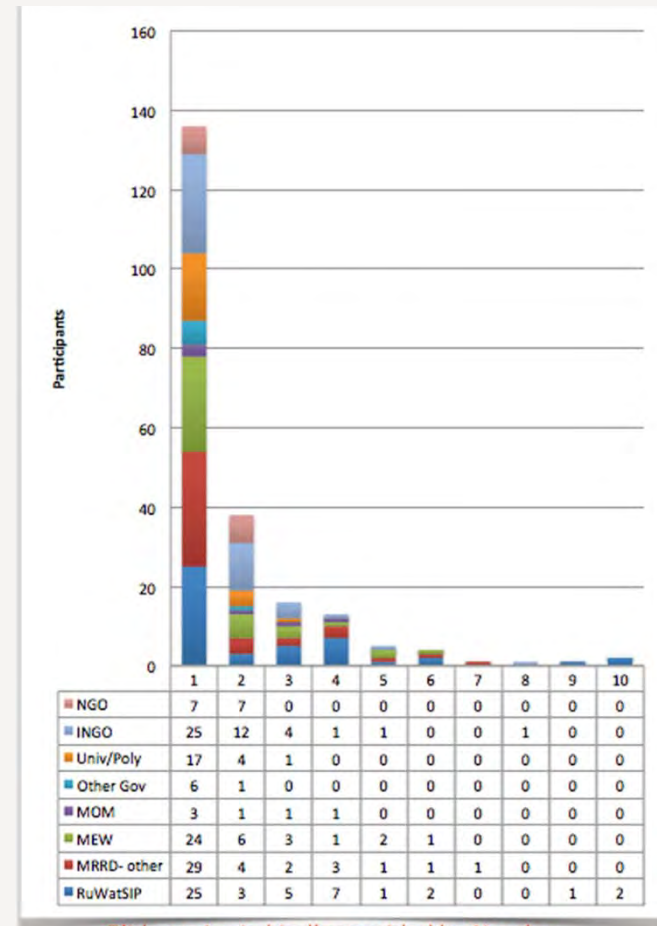
- > 409 attended course participants
- > 20 courses completed
- > 219 different people (189 male 30 female)



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Training Course Participants

- > Some people have attended 10 courses!
- > MRRD/RUWATSIP account for 40% of participants
- > MEW have shown keen interest in training (17 % of participant so far)
- > University also shown great interest (10%) - most women have come from the university



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Website and Training Videos

- > The website www.norplan.af is an excellent tool for stakeholders to review progress.
- > Selection of training videos available – all to be translated into Dari and Pashtun before the end of the project
- > The website allows full transparency of the Project activities – for example all procurements for the project are shown

Training Feedback from Completed course – GIS as an example

NORPLAN GIS Trainings Summary Sheets Feedback (Feb 2014)											
		Question 1: Did the training course meet your expectations?			Question 2: Overall relevancy of training topics and duration according to your time?			Question 3: Training relevancy to your organization or project's need?			
Training #	Topic	Completely	Partially	Not at All	Too Long	Just Right	Too Short	Very Relevant	Somewhat Relevant	Not Relevant	Number of Trainees Participated
4.1	ArcGIS Software Introduction	44%	50%	6%	0%	39%	61%	89%	11%	0%	17
4.2	ArcGIS Databases	29%	71%	0%	0%	76%	24%	57%	36%	7%	18
4.3	ArcGIS Spatial Analyses	36%	64%	0%	0%	45%	55%	91%	9%	0%	16
4.9	Cartography-1	8%	92%	0%	0%	33%	67%	75%	25%	0%	14
4.10	GIS for hydrogeologists	7%	79%	14%	7%	43%	50%	57%	43%	0%	14
4.11	Remote sensing	40%	60%	0%	0%	47%	53%	66%	27%	7%	18
Average Percentages		27%	69%	3%	1%	47%	52%	73%	25%	2%	

Training Course Recommendations – GIS as an example

#	Recommendations from Course Completion Reports
1	Attendace of participants Precise attendance to have trainees no later than 30 min
2	Pre-test and post-test Participants can be awarded by <u>certificate of attendance</u> and <u>certificate of successful completion</u> of a course
3	Training agenda and topics should be covered within official time Additional topics/practice can be done after or before course sessions
4	Some courses are relevant to more than 70% of participants Repeatition of some courses may work better
5	All important topics for some courses could not be covered Therefore, some of them can be split into 2 courses
6	Involve participants more in training and make environment more interactive

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Financing/Budget

- > About NOK 16 million spent so far on the Project – approx. - 46% of the grant
- > The project remains on track to below the NOK 35 million grant allocation
- > Norplan have indicated that the 6 month extension they propose would not exceed the NOK 35 million allocation

ITEM	AT CONTRACT SIGNING	NORPLAN Approved Budget	NORPLAN with proposed budget for reallocation
	Nov-11	Dec-12	Dec-13
REMUNERATION COSTS	NOK	NOK	NOK
FOREIGN STAFF	8,941,750	11,496,750	18,406,181
LOCAL STAFF	2,398,500	2,398,500	3,743,000
SUB TOTAL REMUNERATION	11,340,250	13,895,250	22,149,181
DIFFERENCE FROM COMMENCEMENT	0	2,555,000	10,808,931
REIMBURSABLE COSTS	NOK	NOK	NOK
OPERATIONAL COSTS	10,482,533	10,660,125	5,341,243
PROCUREMENT AT MOBILISATION	945,359	945,359	945,359
PROCUREMENT PRIOR TO IMPLEMENTATION	4,609,800	4,619,425	4,619,425
SUB TOTAL PROCUREMENT + REIMBURSABLE	16,037,692	16,224,909	10,906,027
DIFFERENCE FROM COMMENCEMENT	0	187,217	-5,131,665
TOTAL COSTS	NOK	NOK	NOK
OVERALL TOTAL AMOUNT	27,377,942	30,120,159	33,055,208
DIFFERENCE FROM COMMENCEMENT	0	2,742,217	5,677,266

MRRD in Kind Contribution

MRRD IN KIND CONTRIBUTION			TOTAL
PERSONNEL COSTS			USD
SENIOR MRRD ADMIN			21,000
SENIOR RUWATSIP STAFF			244,800
JUNIOR RUWATSIP STAFF			21,600
FIELD OFFICER/LABOURERS			115,800
SUB TOTAL			403,200
OPERATIONAL COSTS			
USE OF DRILLING RIG (10 BOREHOLES FARYAB)			150,000
DRILLING SUPPORT			28,800
PROVISION OF OFFICE FACILITIES 36 MONTHS			54,000
SUB TOTAL			232,800
TOTAL MRRD CONTRIBUTION			636,000
BILATERAL AGREEMENT STATES IN KIND CONTRIBUTION OF 625,000			
11,000 USD DIFFERENCE			

Findings

- › Training and Capacity Building to date has been very satisfactory
 - › A total of 20 out of 50 training courses have been held to date
 - › Some 409 course participants have taken part comprising of 219 people
 - › 14% of participants have been women
- › Institutional Cooperation between stakeholders has been excellent
 - › As an example, the Afghanistan National Standards Authority has now established a consultative committee for working towards a national water standard – MRRD/Norplan activities have provided the catalyst for this!
- › The preparation of the web page www.norplan.af for the project is an excellent tool for showing Project progress
- › Hydrogeological knowledge has been substantially increased in Faryab due to the Project – but needs to be proven with field work –drilling and test pumping

Findings

- > Security situation in Faryab has deteriorated markedly since Project inception
 - > seriously hampering field activities for DACAAR
 - > preventing international staff from visiting the Province
- > Project Management has been hampered by lack of functioning PCU
 - > Lack of real counterpart staff – only the GIS/MIS Advisor is a counterpart and has performed extremely well
 - > More counterparts will be needed as the pilot project is rolled out to other provinces
- > Current spending on the project has reached NOK 16 million
 - > just under 50% of the Grant
 - > Budget reallocations have been focused on provision of key training staff against a reduction in reimbursable costs

Recommendations

- › The project should continue
- › The 6 month extension should be granted
- › The establishment of a web page should be a mandatory requirement for future funded projects of a similar nature
- › If the MRRD drilling rig and test pumping equipment does not materialise, then the project should look towards implementation through private contractors and use them as training tools
- › MRRD should seriously consider strengthening the PCU activity (more counterpart staff) especially as they are intending to role the program out to other provinces

Exit Strategy for Norad

- > For an exit strategy the following are relevant:
 - > UNICEF have indicated a willingness to support the training courses in the Provinces under their WASH program
 - > World Bank intends to embark on a new project USD 100 million with a capacity building component.
 - > The project is at concept stage and assuming it is given the "green light" at Peer Review, fact finding will occur in May 2014 with a view to be operational in Oct 2014. NOTE: This heavily depends on the security situation and that a government is formed after the election.
 - > USAID also contributing USD 50 million.
 - > SIDA also indicated a willingness to support some components, but not yet committed themselves.
- > These are potential vehicles to carry the capacity building forward and to extend to other provinces.

Capacity Building and Institutional Cooperation in the field of Hydrogeology for Faryab Province, Afghanistan – Between MRRD and Norad financed Partner

Thank You