

# DM 2005 Project Implementation PROGRESS REPORT

[04/09/2006]



الجمهورية اليمنية • وزارة المياه والبيئة  
Republic of Yemen • Ministry of Water and Environment

In order to ensure transparency, accountability, as well as to share lessons learned, we will post this Progress Report on the Development Marketplace website at [www.developmentmarketplace.org](http://www.developmentmarketplace.org). However, if you would like to share any sensitive information with us, you can do so in section VI. The information provided in this part of the report will be handled as confidential and will not appear on the DM website.

## I. Background Information

<b>DM Project Number and Title</b>	1430, Assistance to the Realisation of Pilot Facilities for Using of Non Conventional Water Sources for Irrigation in the Republic of Yemen
<b>Report Author's Name (if different from Team Leader)</b>	Adrian Dolecki, Mohammed Shamsan, Lia Sieghart
<b>Total Award</b>	US\$ 126,989.67
<b>Amount Disbursed to Date</b>	US\$ 31,747 (25 % of the Total Award)

## II. Progress Against Milestones

i) List the milestone objectives in the first column as expressed in the Project Agreement. The second column should indicate the current status of each milestone objective. In the third column, please provide quantitative data and qualitative information describing the status of the project against that particular milestone.

<b>Milestone 2 Objectives (Copy from the Agreement)</b>	<b>Status (Completed/ In Progress)</b>	<b>Descriptive Information on the Status</b>
In this stage 3 mosques will be identified for the project to be piloted on. The mosques will be visited by grey-water	Completed	Three mosques were selected for project implementation out of 12 visited. There is one in each of the governorates considered. A fourth

experts and the overall aims, objectives and methods of execution will be briefed to the project staff.		mosque has also been identified as a reserve. Project aims, objectives and methods of execution were briefed to the project staff in the Ministry and to those responsible at the mosques.
Local sources of tools, materials and labour will be found and the local labour will be educated in the specific techniques and tools that will be used on the project. The ground adjacent to the mosques will start being prepared to receive the orchards – most likely consisting of dates, pomegranate and coffee.	Completed	Local working groups were identified and documents prepared and sent to 10 of them. Instruction in specific new techniques to those involved in construction will be given during the construction phase (Milestone 3). The ground adjacent to the three mosques is ready for development.
Only tree species will be used within the orchards as these filter the water used in irrigation naturally ensuring that any bacteria and unwanted microbes are not taken into the fruit and therefore back into the population. Pomegranate and Date crops will provide a local food source whereas coffee can be used in trade thus boosting the local economy.	Amended	The type of crop will now be changed to suit local practices / needs / requests. The economic consequences are improved, since the new cropping proposals are closer to current needs / demands. The health consequences are being evaluated and will be submitted in the next DM report.
<p>Technical Development</p> <ul style="list-style-type: none"> <li>- Preliminary design drawings completed</li> <li>- Drawings and construction arrangements finalized</li> <li>- Low-cost separation system designed</li> </ul>	Completed	The preliminary design drawings have been completed for the 3 pilot mosques. Comprehensive site evaluations have been performed to outline the next steps for implementation. In addition the grey water separation issue has been resolved.

ii) If you did not achieve some of your stated milestone objectives, please explain the reasons.

Different cropping will be required, however this is in accord with our stated aim ‘to provide a resource...while accommodating the social, cultural and financial conditions that exist in Yemen.’

The education of local operators in the use of the system and equipment has been postponed to the next phase of the project (Milestone 3)

iii) Has your project’s overall accomplishments to date exceeded the original plan?

**Yes**       No

If Yes, describe your achievements:

Part of Milestone 3 has already been accomplished in that the grey-water is already separated from the other water systems in these mosques

### III. Overall Project Progress

i) What have been the main challenges of your project to date? What, if any, adjustments have you made to your original business plan in order to overcome the challenges and meet your objectives?

Challenges:	Adjustments:
Accommodating existing cropping practices.	Cropping plan amended
Fitting in with planned developments / construction programmes at the mosques.	The development of site-specific detailed and general construction plans

ii) Have any of your objectives changed or have you added new objectives since you signed your Project Agreement? If Yes, explain the changes.

**Yes**       **No**

The provision of water testing kits is not considered appropriate technology for this project. In addition, the provision of solar powered pumps for the project is not considered to be appropriate technology.

These technologies are considered inappropriate because of capital cost, maintenance costs and lack of in-country expertise / maintenance facilities and, in the latter case, due to the likelihood of damage.

iii) Do you have any concerns about meeting your next milestone objectives?

**Yes**       **No**

If Yes, what are the concerns and how do you plan on addressing those challenges?

iii) Although this is an interim report, are there any development outcomes or results of your activities to date that you would like to call attention to?

iv) **Reminder:** In accordance with Paragraph 3.1.1 of the Project Agreement, each project team is required to submit a statement of account showing the use of the funds within three months after the last disbursement. As a part of periodical expenditure review exercise, please provide an annex with un-audited summary of expenses during this reporting period.

### IV. Ancillary Achievements

i) Have you or has your organization received any awards/recognitions or media attention as a result of your DM-funded project during this period?

**Yes**       **No**

If Yes, please specify the sources and identify the names.

Local Yemeni newspapers: Al- Thoura, Yemen Times and Yemen Observer, 26 September,  
 International newspapers: Frankfurter Allgemeine, Radio of Aden, and private newspaper  
 Broad coverage also on the Internet

Award /Recognition	Media
x Local: x National: x International:	e.g. <input checked="" type="checkbox"/> International: BBC News on Dec. 3-4, 2003  x Local: various local Yemeni newspapers, it was also covered in the Newsletter of the Ministry of Water and Environment x National: Al- Thourah, Yemen Times and Yemen Observer, 26 September,  x International: Frankfurter Allgemeine, 2005

Explain the Award/Recognition or the Media content:

There was for example a good coverage in the English speaking Yemeni newspapers – the following article was covered:

Ministry of Water & Environment Winner of the 2005 World Bank Development Price

With its project proposal for conserving Yemen’s scarce water resources by reusing cleansing water from Masjids (Mosques) for irrigation, the Ministry of Water and Environment won the very competitive *Development Marketplace Price* of the World Bank for *Innovations for Livelihoods in a Sustainable Environment*. The US \$ 127,000 project, which was submitted within the Biodiversity theme, was selected among 2,700 proposals, submitted by 136 countries and is one of the 31 proposals, which won.

It is the first time that Yemen has won a price for development work on an international platform. The Deputy Minister for Environment Affairs, Dr. Hussein Al-Guneid, who led the Yemeni delegation to Washington D.C. and received the competitive price on May 25. was thus very proud of Yemen’s achievement. “Winning this price”, Dr. Al-Guneid said, “showed that Yemen is among the world’s leading countries when it comes to creatively approaching critical development issues. We did work very hard on developing this project”.

The project will develop grey-water treatment and distribution facilities to recover grey water from mosques in 3 pilot communities. In doing so, it will increase incomes by adding irrigated land and increasing water availability.

“Considering that there are no less than 75,000 Masjids in Yemen”, says Dr. Al-Guneid, the potential for saving and reusing water is nearly unlimited. We estimated that by successfully reusing grey-water consumed by all these Masjids, a large volume of good quality water, which is currently used for green areas in cities and towns, can be saved for food production.

To promote social acceptance and to increase understanding of grey-water use and sustainable water management, the project intends to conduct a public awareness campaign and seek the support of religious leaders, sheikhs, and government officials. In addition, the Ministry of Water and Environment will disseminate the project experience and results to other communities.

World Bank President James D. Wolfensohn, who handed the price to Yemen’s delegation said: “The Development Marketplace gives us a chance to meet a lot of people who are on the front lines of bringing ideas and understanding that would never be thought of in Washington, London or Paris.”

The 2005 Washington, D.C. Marketplace reflects the World Bank’s commitment to promote environmentally and socially responsible growth. Poor people directly depend on natural resources for their livelihoods and are

severely affected by environmental degradation.

Seventy-eight finalists came to Washington for the two-day competition to showcase their unique ideas to bring renewable energy to small communities, reduce air and water pollution, promote sustainable agriculture, and raise environmental awareness. The 31 winners of the World Bank's 2005 Development Marketplace Global Competition walked away with nearly US\$4 million in grants. Their ideas ranged from transforming discarded charcoal dust into low-cost, clean burning fuel briquettes in Kenya to environmentally sound crab fishing in the Philippines.

The Development Marketplace's approach complements the World Bank's broader work by focusing on grassroots initiatives and working directly with local organizations that implement projects on the ground. "I was really inspired by the creativity and passion that goes into these projects. These innovative solutions will hopefully be expanded through not only World Bank projects, but other development-oriented institutions," Warren Evans, World Bank Director of the Environment Sector, said about all of the finalists.

"If all we do is more of the same and we just want to make them bigger, we will miss out on huge opportunities to make the world a better place. The world will be a poorer place if we lose the ability to look at creative individuals and small projects that can actually change the world," said Michael Wright, MacArthur Foundation Area Director for Conservation and Sustainable Development.

Deputy Minister for Environmental Affairs Dr. Al-Guneid, when asked about the experience said: "It was valuable to learn about new funding options for development projects, on which we can call in the future. In this respect it was very important that we could interact with World Bank staff and other potential donors. But there was much more to this event than that", says Dr. Al-Guneid. "Washington was a real "Marketplace" for knowledge exchange. It gave us an opportunity to better understand the problems faced by other developing countries and learn from their experience. Their problems often resemble the development challenges Yemen is facing and we could thus benefit from learning about creative approaches to addressing these problems at home".

There were 34 judges from different organizations, including National Geographic, USAID, Conservational International, World Conservation Union, the United Nations Environment Program, and the World Bank, as well as previous winners.

The Development Marketplace started in 1998 as an internal Bank competition to fund innovative ideas that were not picked up through the usual funding system. Over the last seven years it has evolved into a global event that has awarded nearly US\$40 million for 1,000 projects in more than 70 countries through Global Competitions, Country-Level and Regional Development Marketplaces. This year, the Marketplaces' external partners - Global Environment Facility (GEF), the MacArthur Foundation and Conservation International - contributed for the first time to half of this year's award pool.

Very important for the Minister of Water and Environment, Dr. Mohammed Lutf Al-Eryani was that the Ministry's delegation could communicate Yemen's ideas to the world. "We sincerely hope that our approach will also be taken up in other countries around the world. Our model project for saving water and more effectively using it can of course also be adapted to schools and other governmental buildings. When this is achieved as a long term goal, this would be the even greater prize that Yemen will take home from this competition."

Attach web links/news clips, if available:

[www.cimonline.de/de/241.asp](http://www.cimonline.de/de/241.asp)  
[www2.gtz.de/dokumente/AKZ/ deu/AKZ\\_ 2005\\_ 4/gtz-de-akzente-4-2005.pdf](http://www2.gtz.de/dokumente/AKZ/ deu/AKZ_ 2005_ 4/gtz-de-akzente-4-2005.pdf)  
[web.worldbank.org/.../NEWS/0\\_ contentMDK:20517452~pagePK:64257043~piPK:437376~theSitePK:4607.00.html - 53k](http://web.worldbank.org/.../NEWS/0_ contentMDK:20517452~pagePK:64257043~piPK:437376~theSitePK:4607.00.html - 53k)  
[www.glaubeaktuell.net/ se\\_ portal/journal/1119415323\\_ 0.html - 7k -](http://www.glaubeaktuell.net/ se_ portal/journal/1119415323_ 0.html - 7k -)  
[www.pbworld.com/news\\_events/press\\_room/ press\\_releases/pdf/world\\_bank\\_yemen\\_release.pdf](http://www.pbworld.com/news_events/press_room/ press_releases/pdf/world_bank_yemen_release.pdf)  
[zeus.zeit.de/text/2005/25/Wettbewerb\\_Weltbank - 8k](http://zeus.zeit.de/text/2005/25/Wettbewerb_Weltbank - 8k)

ii) Has your organization made any new partnerships as a result of this project during this reporting period?

Yes       No

If Yes, specify type of the organization from the list below and describe nature of the partnership:

<input type="checkbox"/> Local Government: <input type="checkbox"/> National Government: <input type="checkbox"/> NGO: <input type="checkbox"/> Bilateral Development Agency:	<input checked="" type="checkbox"/> Multilateral Development Agency: UNDP has picked up on the idea and is now supporting seven mosques in Aden. <input type="checkbox"/> Private Corporations: <input type="checkbox"/> Other: e.g. <input checked="" type="checkbox"/> Multilateral Development Agency: Development Marketplace of the World Bank (financial partnership and technical assistance)
--	---

iii) Sustainability and scalability after completion of the DM fund are top of the DM Team's priorities. Has your organization leveraged new funding or secured future funding during this reporting period?

Yes       No

If Yes, provide the following information.

Funding Sources: Names of the Organizations  
Amounts Funded/Committed: US\$ 000,000

## V. Requests to the DM

i) Do you have any comments on the overall process and support provided by the DM Team or Project Liaison?

We would like to extend our deep gratitude to Mr. Frank DiSilvestro (Development Marketplace) for his continuous and excellent support.

## **Annex I. Project Expenses for this Reporting Period**

	<b>Items</b>	<b>Sub-Totals (USD)</b>
<b>1</b>	<b>Personnel</b>	20,863.07
<b>2</b>	<b>Materials and Equipment</b>	7750.00
<b>3</b>	<b>Training</b>	0
<b>4</b>	<b>Travel</b>	1350.00
<b>5</b>	<b>Evaluation/Information Dissemination</b>	0
<b>6</b>	<b>General Administration/Overhead</b>	625.00
<b>7</b>	<b>Other</b>	1600.00
	<b>Total Expenses</b>	<b>32,188.07</b>

Notes:

The formulation of awareness materials is now being planned  
The project is already aiming to forge links with the private sector