

## Capacity Building of Coastal Communities on Disaster Risk Reduction Shaviyani Atoll, Maldives

SEEDS ASIA  
PROGRESS REPORT  
March 2008



## 1. Description

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Name of the beneficiary grants contact:

**SEEDS ASIA**

Name & title of the Contact person:

**Yuko Nakagawa, Chief operating Officer**

Name of partners in action:

Title of the action:

**Capacity Building of Coastal Communities on Disaster Risk Reduction in Shaviyani Atoll**

Start date & end date of reporting period:

**January 2008 / March 2008**

Target countries:

**Maldives, Shaviyani Atoll**

Final beneficiaries or target groups<sup>1</sup> (if different) (including number of women & men):

**Target groups: Communities living in the 5 islands selected, with a total population 7,984 (4,102 men, 3,882 women).**

**Final beneficiaries: Communities living in Shaviyani atoll, population of 14, 218 (census 2003), National Disaster Management Center, related Govt. Departments, local NGOs and Agencies working on the area of Disaster Risk Reduction.**

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<sup>1</sup> "Target groups" are the groups/entities who will be directly positively affected by the project at the Project Purpose level and "final beneficiaries" are those who will benefit from the project in the long term at the level of the society or sector at large.

## 2. Assessment of Implementation of activities

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### Activities & results

#### Activity 1: Research on solid waste management (SWM) best practices in Japan and Overseas

In the month of January, research on solid waste management practices in small Islands of Japan and overseas was carried out. Methods for composting, in order to find ideas to be applied in the *Milandhoo* Island, were specially taken into consideration. As information on the web is scarce by its nature (people do not think their practices are unique and their limitation on IT accessibility), a research trip to 2 Japanese remote islands (*Naoshima* and *Shiraishi Jima*) was carried out. A report on the best practices identified has been prepared.

#### Activity 2 : Development of nursery for Coastal Bioshield (based on the species identification) and hands on training to local members.

During the month of February, three experts on coastal protection, previously identified, visited Maldives. Participatory exercises like transect analysis, focus group discussions, open ended interviews etc were conducted to do situation analysis.

A nursery for mangrove bio shield was developed and simultaneously hands on training were conducted for the community members. Follow up and monitoring of the activities is being made with the support of National Disaster Management Center.

#### Activity 3: Detailed Base Line Study & Micro Planning for Model Island, Milandhoo: implementation of coastal Bioshields, Home Kitchen Gardens, Resource Center and Solid Waste Management systems

Based on the planning workshops organized, participatory exercises conducted with the different sections of the community and the meetings held with the stakeholders at different levels, a detailed microplan for Milandhoo Island was prepared. The plan provides the approach and framework, detailed account of the results of the baseline surveys and participatory exercises conducted and objectives for each of the sub programmes. The report also includes the methodology to be adopted, duration of sub activities under each sub component, resources required to carry out the activity, monitoring methods and finally the expected outcome and impact.

Several consultations were organized with different stakeholders like island officials; school teachers, members of different community based groups like women centre and youth movements for the same.

*Result: Identification of DRR activities, detailed research of local coping mechanisms, baseline indicators, stakeholder analysis and Micro planning of DRR activities in Model Island.*

Activity 4: Planning workshop and base line survey for current local solid waste management

A Base line report on the current SWM practices of households and local community and activities to be undertaken under Project Selamat has been finalized.

During the trip to Milandhoo, current SWM practices and the challenges faced and behaviour pattern of the households were studied. It was found that, the waste is being thrown alongside the coast line and burned with many items not separated (plastics, cans and other hazardous materials). It was also found that local communities were aware of the health problems related to lack of waste management mechanisms, but the team could conclude that the local community was not aware about the environmental implications of it. Therefore, environmental awareness and how the lack of waste management can lead to a natural disaster itself will be part of the awareness programmes in the islands. Moreover, as identified in the Baseline document conducted by the ADRRN International Team, the lack of waste management in the islands increases the populations' vulnerabilities.

Education and awareness on solid waste management becomes a key component of building communities resilience in the Maldives.

*Result: Baseline Study on Solid Waste Management in Milandhoo Island, Maldives.*

Activity 5: Training materials

Initial training materials (Power Point Presentations) for the Community Resource Center and the Home Kitchen Gardens have been developed and have been given to the focal point of the NDMC for Project Selamat for translation.

Activity 6: Consultative meetings with key Government Stakeholders

Project Selamat is being implemented in close collaboration with the National Disaster Management Center, who is involved in all decision making and is facilitating the implementation of the activities. Throughout the field visits, consultation meetings were held at National, Atoll and Island level.

Activity 7: Consultative meetings with University of Madras

On 25 February, the International Project Team facilitated a meeting with the University of Madras (UoM), who is developing the training modules under Project Selamat.

The discussions were focused on the content of the modules and training programmes that the UoM will conduct in Maldives. It was agreed that SEEDS Asia and UoM will work in close collaboration for the same. Minutes of the meeting and decision agreed upon are enclosed as annexure to this report.

Activity 8: Consultative meeting with International Project team , hosted by SEEDS India.

A two days consultative meeting took place during the month of February. The objective of the meeting was to ensure that the communication and visibility strategy of Project Selamat is being implemented in the Maldives.

SEEDS Asia updated the IPT the progress done so far and share future steps.

*Changes in Implementation:*

Given the limited financial resources allocated to SEEDS Asia, it was decided that in order to develop the Disaster Management Plans at Atoll and Island level, the ADRRN International Project Team will facilitate the process by providing experts on the topic.

The agenda of the trainings on Community Based Disaster Preparedness is currently being discussed with the National Disaster Management Center of Maldives, who will provide resource persons for the task forces training.

Training and IEC material has already being identified and it's underway. Training and development on CBDM and Disaster Management Plans have been schedule in the month of August.

## Updated Action Plan

	Actual implementation
	Preparation
	Monitoring - online base

<b>ACTIVITIES</b>		Apr., 08	May., 08	Jun, 08	Jul, 08	Aug., 08	Sep., 08	Oct. 08	Nov. 08	Dec. 08	
		7	8	9	10	11	12	13	14	15	
<b>I</b>	<b>Preparatory Phase</b>	Completed (Oct – November 2007)									
<b>II</b>	<b>Base Line Studies</b>	Completed (Nov- February 2008)									
<b>III.</b>	<b>BIO SHIELDS &amp; MODEL HOME KITCHEN GARDEN -ISLAND LEVEL</b>										
	Planting for bioshield and hands on training	First phase completed (February 08)									
	Demonstration and training of the home garden										
	Hydroponics demonstration for vegetable cultivation and training										
	Participatory evaluation										
<b>IV</b>	<b>COMMUNITY RESOURCE CENTER - ISLAND LEVEL</b>										
	Planning workshop and orientation/training with local NGOs/CBOs										
	Supply of contents and training and capacity building on content development										
	Participatory evaluation (on-line basis)										
<b>V</b>	<b>COMMUNITY BASED SOLID WASTE MANAGEMENT - ISLAND LEVEL</b>										
	Planning workshop and base line survey for current local solid waste management	Completed (February 2008)									
	Preparation of education materials and other soft materials										
	Training workshop on community based solid waste management										
	Monitoring and corrective action										
<b>VI</b>	<b>DISASTER MANAGEMENT PLANS - ISLAND &amp; ATOLL LEVEL</b>										
	Workshop design and planning										
	DM workshop for community members, island officials and atoll official										
<b>VII</b>	<b>NATIONAL WORKSHOP</b>										
	Preparation of the workshop										
	Workshop in Male										
<b>IX</b>	<b>Reporting and Documentation of all the activities</b>										



## Overall Difficulties

Overall, the project it's being implemented smoothly. However, all training and IEC material need to be translated into the local language. It has been difficult to identify a local person to take that responsibility, which may slow down the translation and printing process. Presently the nodal point of the NDMC has offered to provide a resource person within the department for the same.

## Changes in implementation

As mentioned in activity 5, given the limited financial resources allocated to SEEDS Asia, it was decided along with the ADRRN International Project Team (IPT), that in order to conduct the Community Base Disaster Management activities the IPT will provide experts on the topic. The CBDM programme will include the training and development of Disaster Management Plans at Atoll and Island level along with training material.

### 3. Partners & Cooperation

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3.1 How do you assess the relationship between the formal partners of this action (i.e. those partners which have signed a partnership statement)? Please specify for each partner organizations.

**The National Disaster Management Center of Maldives is the focal point for consultation and guidance through out the project implementation. However, SEEDS ASIA will be the sole implanting agency in Maldives; no local partners will be involved.**

3.2 How would you assess the relationship between your organization & State authorities in the targeted countries? How has this relationship affected the Action?

**Due to the geographical situation of Maldives, Government authorities are divided into Island, Atoll and National level. Meeting have taken place with main stakeholder at the three levels: National Disaster Management Center, Shivayani Atoll Officials and Island Chiefs/Officials.**

**The project is well received by all, which will ensure a smooth implementation of the project on the ground and its sustainability.**

3.3 Where applicable describe your relationship with any other organizations involved in implementing Action:

- Associates
- Sub-contractors
- Final beneficiaries & target group
- Other third parties involved

3.4 Where applicable, outline any links you have developed with other actions.



Name of the contact person for the Action:

**Yuko Nakagawa, Chief operating Officer**

Signature:

Location:

Date report due:

**31<sup>st</sup> March 2008**

Date report sent:

## FIELD VISIT TO SHAVIYANI ATOLL 15 – 28 February 2008

### Itinerary & Meetings held

Day	Activities
Day zero 15 Feb 2008	Arrival to Male
Day one 16 Feb 2008	Meeting with the National Disaster Management Center (Mr. Didi, Director of NDMC, Ms. Zaha Waheed, and Mr. Hisan Hasan)
Day two 17 Feb 2008	Travel from Male to Haanimaadhoo (Visit Nursery center of Ministry of Agriculture) Arriving the Milandhoo Meeting the Island Chief and other officials- sharing the next five days programme  Conducting interview with Island officials on SWM
Day three 18 Feb 2008	Meeting with Shaviyani Atoll Chief and discuss the project implementation  Transecting the entire coast and identify the suitable site for the development of Bioshield and consultation to identify the suitable species Visiting the selected individual home gardens Conducting baseline survey (10% samples) for home gardening - household survey and focus group discussion – with women members Conducting base line survey on existing communication facilities/channels of information dissemination – Focus Group Discussion Visit to the existing Community IT centre Conducting baseline survey for SWM practice 1) in-home visit, 2)FGD with WDC and 3)individual questionnaire
Day four 19 Feb 2008	Collection of seeds and cuttings (if needed from the other island) Conducting baseline survey (10% samples) for home gardening - household survey and focus group discussion – with women members – contd. Information need assessment of the different sections of the society survey (10% samples) and Focus Group Discussion Conducting baseline survey for SWM practice 1) individual questionnaire, 2) interviews
Day five 20 Feb 2008	Development of nursery: Hands on training to the youths Participatory exercise: Soil sampling and low cost soil testing  Conducting baseline survey for SWM practice – continued. Study on availability of composting and other project-related materials
Day six 21 Feb 2008	Participatory planning: Bio-shield Model Home garden – planning: design and action plan if possible to develop a sample home garden Community Resource Center – Participatory planning to mobilize sources/links for information and promote the CRC to cater the need based information of different sections in the island Participatory planning for SWM: design the year plan with representative group

Day seven 22 Feb 2008	Sharing the final plan with community and Island office/ follow up actions with different sections of the community as per the plan prepared; Returning back to Male
Day eight 23 Feb 2008	Internal meeting and mobilizing required materials/resources
Day nine 24 Feb 2008	Debriefing at NDMC Meeting with the officials-Ministry of Agriculture, forestry (Exploring the present situations, resource availability and support services and existing situations on nurseries)
Day ten 25 Feb 2008	Meeting at University of Madras with IPT representative
26-28 Feb 2008	Meeting with International Project Management Team and SEEDS India for Maldives project implementation

## ANNEXURE B Photo Gallery – Shivayani Atoll,



Youth movement of Miladhoo Island oriented on coastal bioshields.



Hands on training !



Waste management was the main concern reported by local communities. Base Line Study was conducted in collaboration with the local communities.



## ANNEXURE C

### MINUTES OF THE MEETING SEEDS ASIA - UNIVERSITY OF MADRAS 25<sup>TH</sup> FEBRUARY 2008

#### Participants

- University of Madras (Mr.R. R. Krishnamurthy, Mrs. D. Jayalakshmi)
- Tamil Nadu Tsunami Resource Center (Mr. Suresh Kumar)
- SEEDS Asia (Mrs. Yuko Nagakawa, Mr. Thamizoli Permal)
- SEEDS India (Ms. Shivangi Chavda)
- ADRRN, International Project Team (Ms. Paula Silva)
  
- Paula Silva, member of the International Project Team, presented the contextual background and objectives of the meeting to all participants. She emphasized the need of collaboration among both NGOs with UoM, in order to create a value addition to the training modules by including the activities and experiences in Shaviyani Atoll, Maldives.
  
- SEEDS Asia representatives shared current status and activities of their respective projects. Participants went through the draft TOC shared in Universities Consultative meeting (7<sup>th</sup> – 8<sup>th</sup> February) with Dr.Krishnamurthy and Professor JayaLakshmi and discussed about the different possibilities of including project activities as case studies for the training modules.
  
- Mr. R.R. Krishnamurthy and Professor JayaLakshmi (from University of Madras), requested to SEEDS Asia, to share previous research and modules developed (if any) in order to avoid replication and to maximize the time efficiency on their research.
  
- Maldives Baseline Study, conducted by the International Project team along with SEED ASIA, was given to Mr. R.R. Krishnamurthy and Professor JayaLakshmi. The Studies present and overview of the project area as well as the stakeholder and risk analysis conducted at the field level.
  
- Stakeholders for the training workshops were identified:
  - Coastal Zone Management, for govt. officials and Community leaders
  - Community Based Information Systems: field practitioners (CBOs) and community leaders.
  
- Timings and workplans were also shared, and followed dates were agreed upon all participants:

Date	
31 <sup>st</sup> March 08	Inputs to be given by SEEDS India & SEEDS Asia to UoM (material/modules/research available)
1 <sup>st</sup> June 08	Draft Table of Contents from UoM to be shared with NGOs
15 <sup>th</sup> June 08	Feedback from the NGOs back to UoM
15 <sup>th</sup> July	Final Draft prepared by UoM to be shared in the Universities' consultative meetings in Kyoto.
July – August	Coordination between UoM and NGOs for arrangements & logistics for training workshops.