



## FINAL Monitoring Report (Replication activities until end of May 2012)

Country: Indonesia  
 Pilot City: Wakatobi  
 Thematic Area: Inclusive Urban Public Services  
 No/Title of Activity: Activity 17 Monitoring and consulting during the implementation of transfer concepts  
 Reported by: Dendy Borman  
 Reported when: June 2012

### **How do you evaluate the overall progress, starting from the beginning of the action until end of May 2012? Provide a picture comparing the pre-situation with the situation in May 2012.**

Since the replication process begins in May 2011, there is a significant improvement in several environmental aspects, especially in managing waste and a clean and green environment. The Wakatobi Local Government focuses the replication of Muangklang Low Carbon City especially on the integrated waste management taking into consideration that if not managed well, waste will become problems when the population grows and the development activities increases in this relatively new district. Gerakan Wakatobi Bersih (Wakatobi Clean Movement) or "GO WASH" which is the first waste management program implemented in Wangi-Wangi Island has been contributed to the success of increasing people's participation in government's program. One visible condition in 2012 is Wangi-Wangi area cleaner now compare to when the program had just started in 2011. People's awareness in keeping the environment healthy is increased showing by the discipline to keep garbage in its place, make the garbage collecting is easier for the daily waste collector.

Other improvements as comparison of the pre-situation in the beginning of the BP replication with the current situation among others are:

- The routine sanitation information delivery via local television, local radio, churches and mosques, which are not existed previously
- The waste management advertisement in public places e.g. on billboards
- existence of the Village Regulation on waste management which significantly helps the daily waste management implementation



This project is co-funded by the European Union.

A Project implemented by the consortium: Konrad-Adenauer-Stiftung e.V., Thailand Environment Institute (TEI), Local Government Development Foundation Inc. (LOGODEF), United Cities and Local Governments for Asia and Pacific (UCLG-ASPAC), Association of Indonesian Regency Governments (APKASI), Association of Cities of Vietnam (ACVN), and National League of Communes/Sangkats of the Kingdom of Cambodia (NLC/S).

- The increase of community participation through the FORUM KOMPOS (Compost Forum) to disseminate the waste management information as well as to assist community members in the waste recycle and segregation.

As an overall, the people's awareness and participation in preserving a healthy environment and sanitation increased greatly because they have seen, experienced, and understood its benefits.

### **What have been the main achievements of project replication? Refer to the objectives and results.**

The improvement of people participation level is the main achievement in project replication in Wakatobi. Forum Kompos and Dasa Wisma are evidences of people participation in planning, organizing, implementing and monitoring the waste management activities in their environment. Schools at all level also actively involved and become the part of this big movement to make Wangi-wangi more clean and green. Therefore the result 1 in logframe that 60 % of households and schools in pilot area are aware and able to do waste segregation, dispose waste in the collective garbage bins at the scheduled times is achieved.

### **What have been the main benefits for the people so far (e.g. socioeconomic/and or environmental impact of replication)? And how did this impact the living condition of the people? Please refer to the overall objective.**

The specific objectives to preserve the clarity of sea water through integrated waste management has not achieved yet given that many activities are still in process and many others have not implemented yet. However, people in Wangi-Wangi are living in a better environment (healthier and cleaner) compare to the situation before the BP replication program implemented in Wakatobi Regency. Pupils are actively participating in the Wakatobi Clean Movement by keeping their schools' environment clean, disposing waste in the collective garbage bins and spreading the good habits to their family.

### **What impacts (e.g. in terms of capacity) could you observe on behalf of the pilot city taking part in this project on transnational best practice exchange?**

The Wakatobi government has several improvements among others in the waste management capacity as well as in the level of knowledge, awareness, and participation of the Wakatobi people. Through building cooperation at the regional level with the Muangklang City, the local government could develop more advantages in terms of expansion of networking at an advance stage. The



This project is co-funded by the European Union.



A Project implemented by the consortium: Konrad-Adenauer-Stiftung e.V., Thailand Environment Institute (TEI), Local Government Development Foundation Inc. (LOGODEF), United Cities and Local Governments for Asia and Pacific (UCLG-ASPAC), Association of Indonesian Regency Governments (APKASI), Association of Cities of Vietnam (ACVN), and National League of Communes/Sangkats of the Kingdom of Cambodia (NLC/S).



advantages could be in the area of low carbon city or in any other areas needed by the Wakatobi as a newly developed district. Unfortunately they did not have the chance yet to extend networking and improve knowledge as the EM and Waste Management Learning Center Training is cancelled.

**Did the city cooperate with third bodies (e.g. LGAs, business, or academia) which supported the replication process?**

Wakatobi local government have cooperation with ADKASI, ADEKSI, APEKSI and APKASI that support the replication process. Halu Oleo University is a strategic associate from academia. Even some ministries are directly involved in this project. As an example the Wakatobi government cooperates with the Ministry of Marine Affairs to develop one environmental friendly public toilet in Mola traditional market (see the monitoring table).

**Has the knowledge been shared with other cities, or even been replicated to other cities?**

The Wakatobi government plans to extend this replication process to sub districts in the other 3 islands (there are 4 islands in the regency: Wangi Wangi, Kaledupa, Tomia, and Binongko) after succeed the BP implementation in Wangi-Wangi Island. The plan has been integrated in the 5 years strategic plan document. This is also a strategy to guarantee the program sustainability.

**Which follow-up actions do you recommend?**

It is important to the project to maintain cooperation, communication, knowledge, and networking supports to all pilot cities.

**How will the city continue replicating the best practice? What are the planned activities until end of 2012?**

The replication program has been included in the Wakatobi Grand Strategic Planning document until 2016. Therefore the annual activities of the BP replication program will get the budget support from the local government as well as from the local council, which members have strong commitment to support the continuation of this replication process.

Most of infrastructures and facilities of the Waste Management Learning Centre are in the development and procurement progress. It is expected that the Learning Center will be operated in December 2012 after the official launching event at the Wakatobi District anniversary event.



This project is co-funded by the European Union.



A Project implemented by the consortium: Konrad-Adenauer-Stiftung e.V., Thailand Environment Institute (TEI), Local Government Development Foundation Inc. (LOGODEF), United Cities and Local Governments for Asia and Pacific (UCLG-ASPAC), Association of Indonesian Regency Governments (APKASI), Association of Cities of Vietnam (ACVN), and National League of Communes/Sangkats of the Kingdom of Cambodia (NLC/S).



Name of Pilot City, Country:Wakatobi			
Name of Reporter: Dendy Borman			
Thematic Area: Inclusive Urban Public Services			
Project Title: The Preservation of Sea Water Clarity through Integrated Waste Management			
Monitoring Period: June 2012			
Specific Objective	Indicators(as stated in the project design)	Sources of Information	Possible Risks (external and internal)
Preservation of sea water clarity through integrated waste management	- 80% sorted waste brought to landfills	Sanitazion Dept	<u>Internal:</u> The Local Council does not approve the budget for replication process. <u>External:</u> Communities refuse to involve in the project Technical coordination at the implementation level
	- teaching materials about waste management is integrated in teaching subjects in kindergartens, elementary and junior high schools	Education Dept	
	- households industries are doing waste sorting and waste disposal to its proper places	Santitation/ Enviromental body	
	- communication strategy built up through community media	Information and communication Dept	

	- health promotion and information distribution through socialization	Health Dept				
	- grease trap using in households	Sanitazion Dept				
Results(as stated in the project design)	Indicators(as stated in the project design)	Sources of Information				
<ul style="list-style-type: none"> <li>• <b>Result I:</b> 60 % of households and schools in pilot area are aware and able to do waste segregation, dispose waste in the collective garbage bins at the scheduled times</li> </ul>						
<ul style="list-style-type: none"> <li>• <b>Act 1.1. Waste management campaign at schools to build awareness and participation</b></li> </ul>						
Please list all activities which lead to result I:	Planned in month	Executed in month	Sources of Information	Steps achieved - until last period	Steps achieved -in current period	Problem faced and follow up action

<p><b>Step 1</b> Involving students to monitor waste at canals and village areas through 'Canal Spy Program'</p>	<p>October 2011</p>	<p>October 2011. Extend to Q2 2012</p>	<p>Local couch/ WG</p>	<p>Head of Regency issued a circular letter about the Saturday Clean Program which should be conducted every Saturday in all offices and villages in Wakatobi. October 29<sup>th</sup>, 2011, the government conducted the first Saturday Clean Program as a mass activity participated by students in Wangi Wangi (+/- 700 students), civil servants from all offices, as well as military personnels</p> <p>by all schools in Wangi</p>	<p>School students continue to be taught to maintain a clean environment by teachers.</p> <ul style="list-style-type: none"> <li>• The term of "canal spy" will be change consider that the "spy" program will implement to other school outside Mola which dont have canals.</li> <li>• There will be a workshop for teacher and student in next monitoring visit (April) to discuss some program of Education department including canal spy and waste bank.</li> <li>• Delgosea office (Nat. Cordiantor) promised to create guidelines fot canal spy.</li> </ul>	<p>Waiting for the budget release and the right time to invite a National Figure especially for Children Psychology that is also familiar with children programs (e.g. Kak Seto) to deliver a workshop for Bajau children.</p>
--	---------------------	--	----------------------------	---	---	--

<p><b>Step 2</b> Clean Saturday Program to clean canals and schools</p>	October 2011	October 2011	Local couch/ WG	<p>- Clean Saturday Program was organized in Oct 29, 2011 The program was participated by all schools in Wangi Wangi with total 719 children. The event will be conducted every Saturday in offices and schools.</p>	<p>Coordination among government officials are increasing showing by the frequency of coordination meetings to share information and informal meetings to discuss the implementation of activities.</p>	
<p><b>Step 3</b> Establishing 'Waste Bank' at school</p>	November 2011	April 2012	Eduaction dept. (Pak La Ijo)	Not conducted yet		Cancelled; no follow up yet so far.
<p><b>Step 4</b> Meeting and lobbying to integrate waste management education on the local subject school curriculum (MULOK</p>	October 2011		Local couch/ WG Eduaction Dept.	<p>One Workshop was organized in November 2011 participated by schools in Wangi Wangi</p>	<p>In progress There is agreement among Education dept and schools that Waste management would not put in spesific subject (MULOK) but will intergated to all subject in school.</p>	In progress.

<b>Act 1.2. Waste management socializations at the community level to increase people awareness and participation</b>						
<b>Step 1</b> Drafting technical guidelines about waste management system	October 2011	January 2012	Local couch/ WG		WG is developing a pocketbook about the waste management program and guidelines	Done The waste management pocket books are printed and distributed to communities.
<b>Step 2</b> Distribution of information to community about the waste management system	October 2011	October 2011	Local couch/ WG using the Bupati Circular Letter	The information distributed to community using the Bupati Circular letter	Information distributed through local newspaper, local television and billboards.	Done
<b>Step 3</b> Social Activities every Saturday to clean the environment	October 2011 – every Saturday in every month.	October 2011	Local couch/ WG Using the Bupati Circular letter	The Saturday Clean Program conducted in October 2011	On going. Every Saturday in schools but not in all villages	On-going and assisted by members of the Forum Kompos.



<b>Step 4</b> Free garbage campaigns to keep the environment clean (e.g: the use of reusable shopping bags)	Februari 2012	All Month in 2012				On-going campaigns through the groups of community such as Dasa Wisma and Forum Kompos.
<b>Act 1.3</b>	<b>Building awareness through communication strategy</b>					
<b>Step 1</b> Waste management information through religious activities in churches and mosques	December 2011 – all months in 2012	All Month in 2012	Local Coach/ Camat Wangi-Wangi and Camat Wangi-Wangi selatan		The information was delivered when people gathering in Mosque or Church every Friday and Every Sunday	On going.
<b>Step 2</b> Creating free garbage icons and logos as campaign tools	Q 1 and Q 2 2012	Januari 2012	WG/ Local Coach		The logo of Clean Wakatobi movement placed/broadcasted in every available media (billboard, backdrops, books, etc)	Done

<p><b>Step 3</b> Create local television advertisements about free waste environment</p>	<p>Q1 and Q2, 2012</p>	<p>all month in 2012</p>	<p>Local coach</p>		<p>It is not a short movie/ fragment but in newsticker or running text</p>	<p>On-going. The advertisement on tv changed to radio advertisement which is more effective and budget efficient.</p>
<p><b>Step 4</b> Developing 'free waste environment' materials a. Establishing billboards of 'Free waste village'  b. Placing the information board at the village hall</p>	<p>Q 1, 2012</p>	<p>January - February 2012</p>			<p>One billboard placed in Mola, two billboard (logo of GO WASH) were placed in strategic location in Wangi-Wangi</p>	<p>Done</p>
<p><b>Act. 1.4.</b></p>	<p><b>Distribution of information about the using of grease trap in households</b></p>					

<b>Step 1</b> Establishing the information team	Q1, 2012	January to May 2012	WG/ Local Coach		The information team would be in local community group in form of Dasa Wisam and Forum Kompos	Done in Wangi-Wangi and Wangi-Wangi Selatan, and will be expanded to all sub districts in Wakatobi.
<b>Step 2</b> Scheduling the campaign activity	Q1, 2012	January 2012	Local Coach			Campaign activities will be integrated into the program of each local government unit.
Results(as stated in the project design)	Indicators(as stated in the project design)		Sources of Information			
<b>Result II:</b> Adequate waste facilities and infrastructures at the village and regency levels available	-5 units temporary landfills available -10 wheelie bins -5 waste boats -1 waste truck -1 wheelie bin for Mola Harbor - Size 2m3 (one organic waste landfill and one non-organic waste landfill)					
Please list all activities which lead to result II:	Planned in month	Executed in month	Sources of Information	Steps achieved - until last period	Steps achieved -in current period	Problem faced and follow up action

<b>Activity 2.1.</b> Developing 5 units of temporary landfills in pilot areas	Q2&Q3 2012	April - June	Head of "Clean and sanitazion dept"				The procurement procedure is in progress. Bidding will be in May-June 2012. Facilities are expected to run in August 2012.
<b>Activity 2.2.</b> Procurement of 10 units of wheelie bins	Q1 & Q2 2012	April - June					The procurement procedur is in progress. Bidding will be in May-June 2012. The facilities are expected to run in August
<b>Activity 2.3.</b> Procurement of 5 waste boats	Q1 & Q2 2012	April - June					The procurement procedure is in progress. Bidding will be in May-June 2012. Facilities are expected to run in August 2012.
<b>Activity 2.4</b> Procurement of 1 waste truck	Q2 2012	April - June					The procurement procedure is in progress. Bidding will be in May-June 2012. Facilities are expected to operate in August 2012.
<b>Activity 2.5.</b> Procurement of 1 unit of wheelie bin for Mola harbor	Q2 2012	April - June					The procurement procedure is in progress. Bidding will be on May-June. The facilities expected to run on August

<b>Activity 2.6.</b> Developing of 1 temporary garbage bin at Mola harbor made from plastic	Q1 & Q2 2012	April - June				The procurement procedur is in progress. Bidding will be in May-June 2012. Facilities are expected to run in August 2012.
<b>Activity 2. 7.</b> Procurement of one unit plastic wheelie bin	Q1 2012	April - June				The procurement procedure is in progress. Bidding will be in May-June 2012. Facilities are expected to run in August 2012.
<b>Activity 2. 8.</b> Developing of Grease Trap	Q1 & Q2 2012	May - June 2012				Training on the making of grease trap and EM is scheduled in June/July 2012.
<b>Step 1</b> TOT on the making of grease trap by expert from Muangklang	Q1 2012	June 2012	CANCELLED			Training on the making of grease trap and EM is scheduled in June/July 2012.
<b>Step 2</b> Producing/developing grease trap	Q1 & Q2 2012	May - June 2012				Will be developed after the TOT.

<p><b>Activity 2. 9.</b> Developing and operating 2 units of conveyor belt</p>	<p>Q1 2012</p>				<ul style="list-style-type: none"> <li>• The procurement procedur is in progress. Bidding will be in May-June 2012. facilities are expected to run in August 2012.</li> <li>• Conveyor belt will be set up when the infrastructure is ready so it is important for the local government to stick on the procurement schedule</li> </ul>
<p><b>Step 1</b> Training for intergrated landfill management and operation by expert from Muangklang</p>	<p>Q1 2012</p>	<p>June 2012</p>			<p>In June/July 2012.</p>

<p><b>Step 2</b> Training the operation of conveyor belt &amp; Appointing technical team to operate and do the maintenance of the conveyor belt</p>	Q1 2012	June 2012			<ul style="list-style-type: none"> <li>• The procurement procedur is in progress. Bidding will be in May-June 2012. Facilities are expected to run in August 2012.</li> <li>• Conveyor belt will be set up when the infrastructure is ready so it is important for the local government to stick on the procurement schedule.</li> </ul>
<p><b>Activity 2. 10.</b> Procurement of 1 unit tractor</p>	Q1 & Q2 2012	May/ June			<ul style="list-style-type: none"> <li>• The procurement procedur is in progress. Bidding will be in May-June. Facilities are expected to run in December 2012.</li> <li>• Tractor will be operated when the infrastructure is ready so it is important for the local government to stick on the procurement schedule.</li> </ul>

<b>Step 1</b> Procurement of tractor	Q1 & Q2 2012					In process.
<b>Step 2</b> Technical staff training for operating and maintaining the tractor	Q1 & Q2 2012					Will be conducted after the procurement.
<b>Activity 2. 11.</b> Procurement of 1 unit of compactor	Q1 2012	May - June				<ul style="list-style-type: none"> <li>• The procurement procedur is in progress. Bidding will be in May-June 2012. Facilities are expected to run in December 2012.</li> <li>• Compactor will be set up when the infrastructure is ready.</li> </ul>
<b>Step 1</b> Procurement of compactor	Q1 2012	May				In process.



<b>Step 2</b> Technical staff training for operating and maintaining the tractor	Q1 2012	June				Will be conducted after the tractor purchased (depends on the budget availability).
<b>Activity 2.12</b> Procurement of 2 units of crushers	Q1 2012					<ul style="list-style-type: none"> <li>• The procurement procedur is in progress. Bidding will be in May-June 2012. Facilities are expected to run in August 2012.</li> <li>• Crusher will be set up when the infrastructure is ready.</li> </ul>
<b>Step 1</b> Procurement of crushers	Q1 2012	May - June				In progress.

<b>Step 2</b> Technical staff training for operating and maintaining the tractor	Q1 2012	June				Will be conducted after crusher bought (depends on the budget).
<b>Results(as stated in the project design)</b>	<b>Indicators(as stated in the project design)</b>		<b>Sources of Information</b>			
<b>Result III:</b> 10 % of community's income increased through waste management activities	Since the training that initiated by local government is not yet conducted there is possibility that income level will not increase to 10% but pioneering in take advantage of waste product had been initiated by local people					
Please list all activities which lead to result III:	Planned in month	Executed in month	Sources of Information	Steps achieved - until last period	Steps achieved -in current period	Problem faced and follow up action

<p><b>Activity 1</b> Training for small scale households industries</p>	Q1 & Q2, 2012					<p>The training is aligned to Industrial, Trading &amp; Koperasi Dept.programs, but the Dept do not have a clear training schedule. WG will coordinate intensively with the head of office to conduct the training</p>
<p><b>Step 1</b> Training of the making of EM and grease trap by Muangklang experts</p>	Q1 & Q2, 2012	April	Local Coach			<p><b>CANCELLED</b></p>

<p><b>Step 2</b> Training on the making of plastic waste for handicraft</p>	<p>Q1 &amp; Q2, 2012</p>				<p>The training is aligned to Industrial, Trading &amp; Koperasi Dept. programs, but the Dept do not have a clear training schedule. WG will coordinate intensively with the head of office to conduct the training. There is one household workshop that produces handicrafts from plastic waste in Mola Village. WG could develop a cooperation with it to conduct training for the local people.</p>	
<p>Results(as stated in the project design)</p>	<p>Indicators(as stated in the project design)</p>		<p>Sources of Information</p>			
<p><b>Result IV:</b> Sewage treatment at the village and town levels functioned</p>	<p>Sewage treatment at the village and town levels functioned</p>					
<p>Please list all activities which lead to result IV:</p>	<p>Planned in month</p>	<p>Executed in month</p>	<p>Sources of Information</p>	<p>Steps achieved - until last period</p>	<p>Steps achieved - in current period</p>	<p>Problem faced and follow up action</p>

<p><b>Activity 1:</b> Drafting of local ordinance and strategic plans (at the regency and village level) (including in it point that regulate the provision of incentive to market actors which doing waste sorting</p>	Q1, 2012	January 2012	Working Group/Local Coach		Strategic plan is integrated to Wakatobi Strategic Plan 2011-2016 (RPJMD).	The 1st local ordinance is "Surat edaran Bupati" (Bupati Circular Letter)  Strategic plan is integrated to Wakatobi Strategic Plan 2011-2016 (RPJMD).
<p><b>Activity 2</b> Establishing Community Forum of Waste Management Partners</p>	Q1, 2012	January – May 2012	Local Coach	In Progress	The establishment process starts from schools involving teachers, student and the civil servants There also initiative to develop Dasawisma group and Forum Kompos in each village in wangi-wangi	Forum Kompos and dasa Wisma is established and the forum had started to impelement their program and activities.

<b>Activity 3</b> Managing Waste collection	Q2, 2012					
<b>Step 1</b> Appointing trained employee team	Q2, 2012	April- May				Training of appointed employee had conducted by TRKP3K Department
<b>Step 2</b> Procurement of two waste collection vehicles	Q2, 2012					The procurement is in the process, the amount may vary from logframe depend to budget allocated.
<b>Step 3</b> Setting up collection schedules	Q2, 2012					Collecting schedule had been setup by Dinas TRKP3K. There will collection of garbidge on 6 am everyday.

<b>Step 4</b> Defining two different locations for organics and non organics landfills Activity 4	Q2, 2012	February – March 2012				Wakatobi Local Government has determined a location for landfill and learning center but it still have difficulties with infrastructure support such road access and electricity. However they are doing efforts to improve the condition.
Results(as stated in the project design)	Indicators(as stated in the project design)		Sources of Information			
<b>Result V:</b> Environment sanitation quality improved	% of households have and use proper toilets					
Please list all activities which lead to result V:	Planned in month	Executed in month	Sources of Information	Steps achieved - until last period	Steps achieved – in current period	Problem faced and follow up action

<p><b>Activity 1</b> Provision of proper family and public toilets</p>	Q2 & Q3, 2012	January 2012	Local Coach		Wakatobi LG had developed one public toilet in Mola. This facility was built by cooperation with Ministry of Marine Affairs and Fisheries	Done
<p><b>Step 1</b> Build 3 public toilets</p>	Q2 & Q3, 2012					Wakatobi LG had developed one public toilet in Mola. This facility was built by cooperation with Ministry of Marine Affairs and Fisheries
<p><b>Step 2</b> Building of 50 set proper family toilets: -Collecting data of families which do not have proper toilets  -Building toilet for those who do not have proper ones</p>	Q2 & Q3, 2012					The building of public toilets will need to be adjusted to the budget provided by Wakatobi LG. In the present time one unit public toilet consists of 4 toilets built in Mola. This public toilet built with the cooperation of Wakatobi LG and the Ministry of Marine Affairs and Fisheries.