

ecoBUDGET IN CAPE TOWN

From 27 February to 3 March, ICLEI celebrated its fifth World Congress in Cape Town, South Africa. Among the different workshops and sessions related to innovative sustainability management, ecoBUDGET presented a significant part. Numerous city representatives and scientists showed the commitment achieved and interest raised by the system. We owe gratitude to the committed contributions of Pamela Lama and Benedetto Zacchiroli (Bologna), Attorney Juanito Cambangay (Bohol), Anders Franzén (Växjö), Beate Weber (Lady Mayor of Heidelberg), Margit Vestbjerg (Kolding), Prof. Johan Nel (University of Potchefstroom), and Charles McNeill (UNDP). During the first session, European and Asian experiences development have been compared; moreover relationships between ecoBUDGET and other instruments have been stressed, including a thorough analysis on the possible convergence between ecoBUDGET

and the *ecological footprint*. A white paper written by ICLEI and Global Footprint Network was submitted to the participants. In result, the final Declaration of Commitment promotes ICLEI's management instruments as important means of unwavering implementation of local sustainability. In addition, ICLEI Members declared interest to calculate their ecological footprint by 2009.

For the report: <http://www.iclei-europe.org/index.php?id=2863>



From the left: Holger Robrecht, Johan Nel, Beate Weber, Benedetto Zacchiroli (partially hidden) and Juanito Cambangay

BOLOGNA AND VÄXJÖ MOVE ON!

Bologna and Växjö confirm themselves to be the principal ecoBUDGET forerunners. Not only are both cities paving the way for the Asian implementation of the system, but also continue to use ecoBUDGET as standard environmental management system. Växjö city council ratified the Master Budget 2006 in May, 16 objectives are now included and related to the new environmental programme. (see <http://www.vaxjo.se/vaxjowww/utsidan/omraderubrik.asp?rubrik=2031&omrade=125>)

In Bologna the local government has given more impulse to ecoBUDGET not only through the approval of the Master Budget 2006 within the city council, but also through two important innovations. First of all, they included the middle-term targets (2009, corresponding to the end of the electoral mandate of the Mayor) beyond the short- and long-term targets, thus anchoring the system to the Mayor political plan. Secondly, they included the presidents of the nine city-districts in the targets' setting process, what will bring ecoBUDGET to the closest level for the citizens.

(see [http://urp.comune.bologna.it/AlboPretorio/Albo.nsf/79a0f3c3ad5ef03a41256b040062ff3c/70d78de28e851640c12571af003110c1/\\$FILE/ecoBudget_BilancioAmbientale.pdf](http://urp.comune.bologna.it/AlboPretorio/Albo.nsf/79a0f3c3ad5ef03a41256b040062ff3c/70d78de28e851640c12571af003110c1/$FILE/ecoBudget_BilancioAmbientale.pdf))

PROJECT NEXT STEPS

September 2006: Workshop 3, Guntur.

Main themes: measures management within implementation phase, training on budget balance preparation, overall mid-term evaluation.

February 2007: Workshop 4, Växjö

Guntur and Tuibigon/Bohol will travel to Europe to show their results European ecoBUDGET pioneers, as well as European Union representatives will be invited.

October 2007: Final Conferences

They will take place in India and Philippines. Results will be celebrated and disseminated. The project will be evaluated.

PEOPLE GO, PEOPLE COME



Cristina Garzillo, who developed and managed ecoBUDGET in Bologna since 2001 left the Italian city to join...ICLEI European Secretariat! She still doesn't work directly on our project, but will cover related themes within Sustainability Management and Urban Governance Teams.

Marta Anglada Roig, from Barcelona, Spain, replaces Ciara Leonard for the position of Project Assistance at ICLEI European Secretariat. The brief you are reading is due also to her. Welcome Marta!



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ASIA URBS



EUROPEAID
CO-OPERATION OFFICE

**Asia Urbs Programme - funding
Europe-Asia local government partnerships for urban development**

ecoBUDGET - ASIA

Project Brief No. 2 / July '06



WORDS FROM THE EDITORS

Welcome to the second project brief of the ecoBUDGET - ASIA project!

The project has went half of its path. A lot of news, events and successes must be reported. The main part of the project brief is devoted to the greatest results that our consortium could expect. The two Asian municipalities, Guntur and Tubigon, approved the Master Budget within their city councils! They are the first Asian cities to reach this goal.

Pages 2 and 3 show **Master Budgets**, highlights and stories behind. In the same pages the second series of **field visits** (Växjö to Tubigon/Bohol and Bologna to Guntur) are reported. More information on the project on page 4: a short report on the success obtained by ecoBUDGET in Cape Town, at the **ICLEI World Congress**, new important goals met in **Bologna** and in **Växjö**, an insight on the **next steps** of the project, and last but not the least new **people** in our consortium. But let's start with the first page, where an interview to **Mr Chukka Yesuratnam**, the former Lord Mayor of Guntur, introduce you to the travel through the project...

Enjoy reading!

Holger Robrecht, Andrea Burzacchini (ecoBUDGET Agency)

How Guntur Began

An Interview to the former Lord Mayor Mr. Chukka Yesuratnam

Mr. Chukka Yesuratnam is the former Lord Mayor of Guntur Municipal Corporation. His mandate ended in September 2005, but before that he was able to give his city a great impulse to start the ecoBUDGET project. Now he is still involved in the process as the ecoBUDGET official project coordinator. We have decided to interview him about the path followed and the future perspectives.

Honorable Mr. Yesuratnam, why did you decide to let Guntur to participate in this project? Was it difficult to convince the other politicians and administrators?

Guntur is often called the educational capital of Andhra Pradesh. The then State Govt. of Andhra Pradesh started several welfare schemes like poverty reduction, total literacy,



complete greenery, family welfare, water conservation, pollution control, traffic regularisation and SHG. As a Mayor, I tried to implement the above schemes and succeeded to the greater extent. Mr. Emani Kumar of ICLEI South Asia explained us about the importance of ecoBUDGET scheme. So I thought that this project would definitely help the Guntur Municipal Corporation for the improvement of city's environment. Mr. Emani Kumar came personally to Guntur and educated us about the scheme. By this,

all our city-council members and administrators readily accepted and gave green signal to the Project. It is not at all difficult to convince other political parties and administrators as we used to work as a team for the development of the city.

Which are the (environmental and non environmental) priorities in Guntur?

The priorities in Guntur Municipal Corporation are various: drinking water, greenery, pollution, free society, 'zero' waste, solid waste management, energy efficiency, poverty eradication, total literacy, family planning, AIDS awareness, traffic regularisation. Sanitation is also given equal importance. Programmes like US-AID and now ASIA URBS of the European Commission have provided and still provide financial assistance to conduct demo for street lighting efficiency and water energy.

How did Guntur citizens (associations, media, etc....) react to this co-operation with European local authorities?

They reacted positively for the excellent cooperation extended by European local authorities. In June 2005, the Bologna delegation, assisted by ICLEI, visited Guntur city. The delegation included Ms. Pamela Lama, Ms. Manijeh Morshedi and Ms. Cristina Garzillo from Bologna municipality and Mr Andrea Burzacchini, Mr Emani Kumar and Mr. Srinivasa Rao from ICLEI. During the first field visit, the delegation met NGOs, university professors, college principals, citizens, slum dwellers, press, the Kolping Centre with its self-help groups, burial grounds which are maintained under public-private partnership. They visited several slum areas and observed the living conditions of the poor people. They made a detailed study of the implementation of ecoBUDGET Project. In brief,

the European delegation on its first field visit to Guntur made a pinpoint observation and expressed satisfaction about the way in which ecoBUDGET scheme is going to be implemented in Guntur city.

Do you think that ecoBUDGET can help in solving the major problems in Guntur and in growing countries like India?

Yes I think so. We, the people of developing countries need financial assistance, management and technical knowledge to improve our local areas. With the spirit of ecoBUDGET, we are implementing several schemes to preserve the environment and protect natural resources. Water leakage was arrested. Energy efficient measures are implemented in street lighting partially. Sanitation is under control. By the extensive development of greenery and good roads, air pollution and soil pollution are brought under control. I feel that ecoBUDGET can help to a large extent in solving major problems in Guntur Municipal Corporation.

What was your impression from the workshop in Bologna? What struck you at most?

It was excellent. The delegates from Guntur, Bohol and Växjö attended the workshop along with the local Bologna delegates and officials. It was meticulously planned under the able and efficient co-ordination of ICLEI who took several pains in educating the delegates regarding the ecoBUDGET and its successful implementation in European countries. The Bologna officials and His worshipful Mayor of Bologna extended warm and affectionate treatment on all the delegates.

The interview has been realised by the Director of ICLEI South Asia, Mr. Emani Kumar.

Municipality of Tubigon - Master Budget 2006

RESOURCE	Indicator	Unit of Measure	Current Value	Short Term Target (2006)	Long Term Target
DRINKING WATER	Sources Positive for Colliform	# (out of 12 sources)	4	0	0 (2015)
	Turbidity/Concentration of Suspended Solids	ppm	100	50	0 (2015)
	Non-Revenue Water (Systems Loss)	%	50	35	20 (2015)
MAN-GROVE FOREST	Area Covered/Reforested	ha	550	555	600 (2015)
TIMBER/FRUIT FOREST	New Trees Planted	#	0	4.000	20.000 (2015)
	Increase in Area Covered	ha	0	50	500 (2015)
	Survival Rate	%	?	70	12 (2015)
CORAL REEFS/SEA GRASS BEDS	Established MPA's	#	5	7	12 (2015)
	Coral and Sea-grass Cover	%	40	45	70 (2015)
MARINE BIODIVERSITY	Species	#	53	54	60 (2015)
	Surface as MPA'S	ha	196	222	287 (2015)
QUARRY MATERIALS	Unregulated Quarry Permits	#	50	45	0 (2015)
GOOD ENVIRONMENT	Reduction in Residual Solid Waste	%	0	5	30
	Households Practising Segregation	#	0	15	90

Second field visit: Växjö goes to Tubigon/Bohol!

The second field visit of Växjö in Bohol took place from the 3rd to the 7th of April 2006. Prior to their arrival, the Local Implementation Team, with assistance from ICLEI SEA, produced a detailed work program last February 2006. It was by then finishing its baseline data and has started implementing and monitoring measures. For the field visit, the following key areas have been the main concern: (a) reducing non-revenue water from systems loss; (b) community-based forestry/watershed management; and (c) sustainable livelihood

and employment for riverbank sand and gravel extractors.

Växjö's 3 technical experts assisted the Municipality of Tubigon in refining the indicators and activities for the priority environmental issues. Växjö representatives shared their local waste and water management systems and the challenges they are currently faced with. The Tubigon/Bohol Local Implementation Team took note as to which practices and strategies could be adapted and which departments should take the lead.

With speedy and meticulous efficiency, the Municipal Council of Tubigon ratified last 2 December 2005 the Master Budget. This ratification followed after the Municipal Development Council (i.e. a body composed of the mayor, village leaders and non-government organisations, whose mandate is to formulate and appraise municipal development plans) endorsed the draft of the Master Budget. The Municipal Resolution guaranteed the implementation of the measures, as well as the commitment of the Municipality to carry out the project. As shown on the left, the Tubigon Master Budget prioritises resources, which form the backbone of the municipality's economic and social well being, which at the same time pose enormous potential for eco-tourism. Improving local governance cuts across all the measures that have been identified. Absolute targets with defined deadlines, for example, have been set in ensuring potable water for citizens, through among others, establishing water management policies at the local level. Nurturing the coastal and terrestrial ecosystems is likewise viewed as a way of reducing the vulnerability of the municipality to natural hazards such as typhoons, landslides and tidal waves. Furthermore, the Master Budget recognises that managing municipal resources has a direct link to creating a viable economy and to alleviate poverty. Tubigon is a pilot area for the implementation of Local Governance Poverty Database and Monitoring System (LGPDMS) and the Localised Monitoring System of the implementation of the Millennium Development Goals (MDG) also funded by the EU. The combination of ecoBudget and LGPDMS, a software tool developed and used by the Provincial Government of Bohol to identify, record and rank levels of deprivation, aids Tubigon in complying with the Millennium Development Goals.

Thanks to Joy Bailey, from the Southeast Asia Office, for writing the text!



Guntur - Master Budget 2006

RESOURCE	Indicator	Unit of Measure	Current Value	Short Term Target (2006)	Long Term Target	Indicator Orientation
WATER QUALITY	Monitoring of the Quality	Number of parameters monitored	1	14 ¹	14 ² (2010)	<i>The number of parameters checked is instrumental to a better control and thus a better quality of water</i>
	Monitoring Frequency	N. analysis per month, at each reservoir, on a basis of 30 samples per day	2	2	5 (2010)	<i>To monitor the water more frequently and regularly helps in identifying the proper measures to improve the quality</i>
WATER QUANTITY	Monitoring Loss of Water from Pipelines	Descriptive indicator	Water supply through piped Network covered:80% area;through Tankers 20% area,but water quantity is not quantified	Quantity of water through Tankers is going to be quantified and the supply monitored through a specific software	To minimise losses (2010)	<i>The loss of water is a waste of the natural resource "water" and causes severe financial losses to the municipal corporation and to the community</i>
	Supply of Potable Water	Litres per capita per Day	110	120	135 (2015)	<i>National Standards</i>
HEALTH	Waste Collection Monitoring	% of citizens served	100 ³	100 ⁴	100 ⁵ (2015)	<i>Collection Systems Improvements. The municipality is improving the collection system. In the future the whole city will have to be served, in order to minimise the spreading of diseases</i>
GREEN CITY	Surface of Green Area	m ² /1000 inhabitants	78	100	200 (2010)	-
AIR QUALITY	Assignment of Hawker ID Numbers	#	450	650	1724 (2015)	<i>Push-carts and baddilu cause hurdles in traffic flow. The municipality is the areas into specific areas to make the traffic more fluent and thus less harmful for people's health</i>
	Places Provided	#	11	650	1724 (2015)	
	Monitoring of Concentration of Suspended Particulate Matter	?	?	?	?	-

Despite the change of government, with the election of a new Mayor, Mr Kanna Nagaraju, on September 2005, the Guntur city council was able to ratify the Master Budget at the beginning of March 2006 (see left).

The five resources, described by nine indicators, represent the most crucial priorities of the South-Indian city. It is very interesting to see how, in absence of technology monitoring instruments, the experts could adapt the ecoBUDGET philosophy to the local conditions. Like in Tubigon not only the ambitious targets aim to better environmental performances, but also to a global improvement of the quality of life, healthy, equity and social inclusion.



¹ with indicative figure
² with full fledged laboratory

³ assumption
⁴ proved, with an increase in % of segregation facility

⁵ plus segregation and collection with a scientific landfill

Second field visit: Bologna goes to Guntur!

The field visit took place from June 19th to June 23rd, 2006. A delegation from the city of Bologna visited the city, jointly with the director of ICLEI, South Asia office, Emani Kumar. The Italian delegation was formed by Ms Pamela Lama, Ms Raffaella Gueze and Mr Gabriele Magli, responsible for Quality and Environment at Gruppo Hera SpA, the multi-utility company in Bologna. The field visit encompassed numerous aspects regarding the project. The delegation held discussions with all the ecoBUDGET-devoted departments like water, waste, engineering, town planning, revenue and public health and newly elected

public representatives on project implementation. They also undertook field visits to study street sweeping, waste collection, transfer points and dumpsites. The delegation visited Shriram Energies pelletisation plant, Takkellapadu water treatment system and Shriram energies-waste to energy plant. Moreover, they held meetings with all stakeholders.

By the end of the second field visit, the ecoBUDGET team created a document on "responsibilities and measures" to implement ecoBUDGET, assigning to each department the responsibility on the Master Budget targets related actions.

Moreover, the team suggested interconnecting different water sources, covering of the whole city by water network with proper location of additional reservoirs. A stakeholder committee was constituted to monitor the results of ecoBUDGET. Thus, it assured the corporation to check the water quality parameters and to purchase a suspended particle meter to monitor air quality.

The celebrations devoted to the Bologna delegation were gorgeous, still both parties do not have to wait much for meeting again. In September Guntur will host the Workshop 3 of the project.