

Local Initiatives in Achieving Sustainable and Low Carbon Cities in Asia: Lessons Learned and Future Potential

D.G.J. Premakumara, Programme Manager

Shom Teoh, Programme Manager

Institute for Global Environmental Strategies (IGES), International Village Center, 2F, 1-1-1,
Hirano, Yahata Higashiku, Kitakyushu, Japan 805-0062

Tel: 81-93-681-1563, Fax: 81-93-681-1564

E-mail: premakumara@iges.or.jp

Why cities are matter of achieving sustainable and low carbon development?

Over half of the world's population resides in cities, and up to 80% is projected for 2050

Cities produce 80% of global GDP

Over 90% of all urban areas are coastal, putting most cities at risk of flooding from rising sea levels and powerful storms.



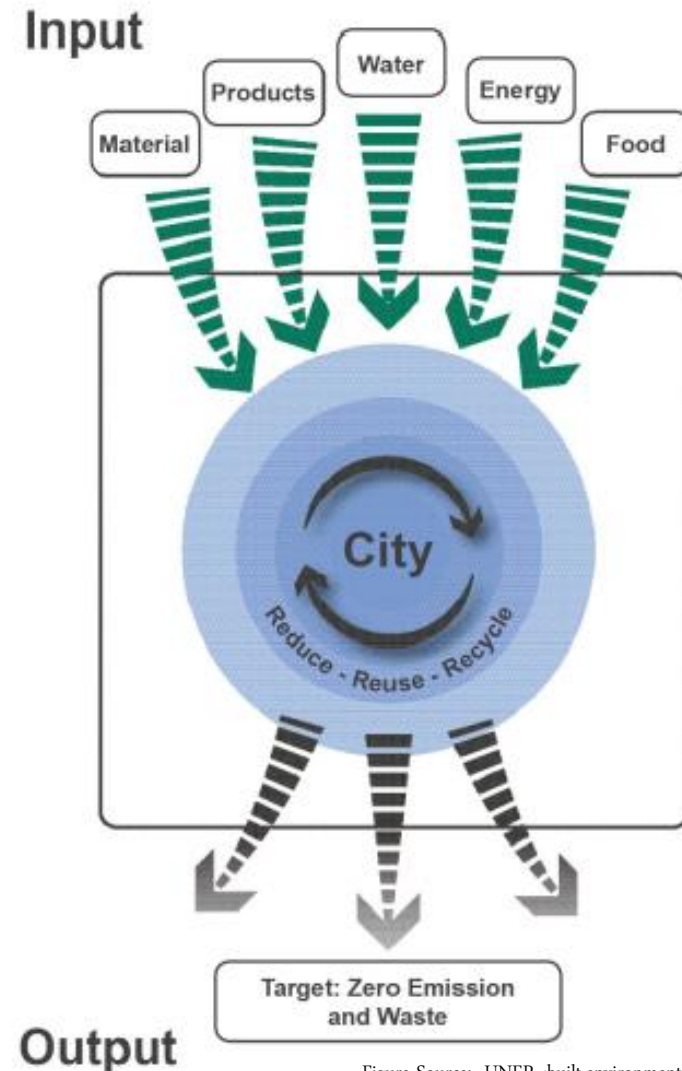
Cities produce 50% -80% of global waste

Cities account for 60- 80% of global GHG emissions

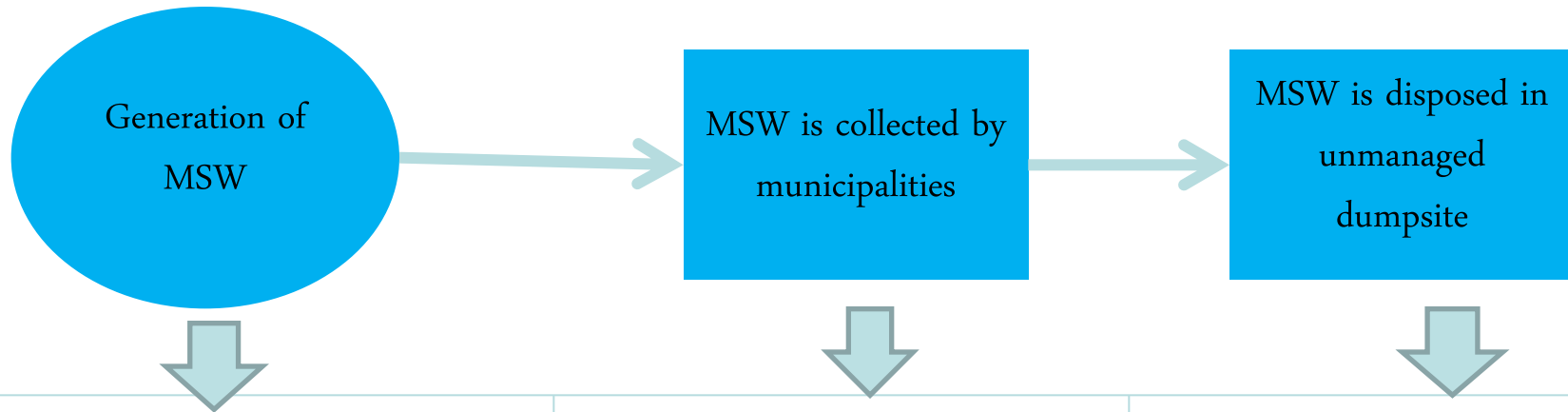
Cities consume 75% of natural resources

Resource efficient cities are engine to sustainable and low carbon development

There are genuine opportunities for city leaders to contribute to sustainability and enhance the quality of life in urban areas by improving resource efficiency, reducing carbon emissions, minimizing environmental risks and enhancing ecosystems.



Organic waste management in Asian cities



Over 50% of MSW is organic matters



Use 20%-50% of annual budget for waste management, however, 30%-60% of waste remain uncollected



Results for serious local, regional and global public and environmental health nuisances, including climate change

A local government commitment and citizen participation in MSWM in Surabaya City



AFTER

Source: Surabaya City, 2012



- Surabaya, a second largest city in Indonesia faced a tremendous challenge in managing its MSW.
- With the current leadership of the city, the local government encourage community participation through Surabaya Green and Clean Programme.

Community-based waste management is the heart of the Surabaya Model



Educated women to start H/H business from recycling materials



Educated residents to separate waste at source and use of compost bin



Educated residents to start organic farming at H/H and community

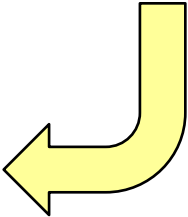
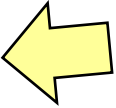
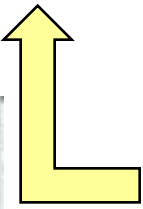
Surabaya Clean and Green Programme awards the model communities



Collected H/H waste separately



Rest sell in Market



Organic waste treated at composting center

National and local policies motivate public/private partnership and encourage them to become actively involve in MSWM in Cebu



- Cebu, a capital city in the Visaya Region of the Philippines faced tremendous challenge in managing its MSW.
- With the current leadership of the city, it strictly enforce the implementation of the national policy on Ecological Solid Waste Management (RA9003)

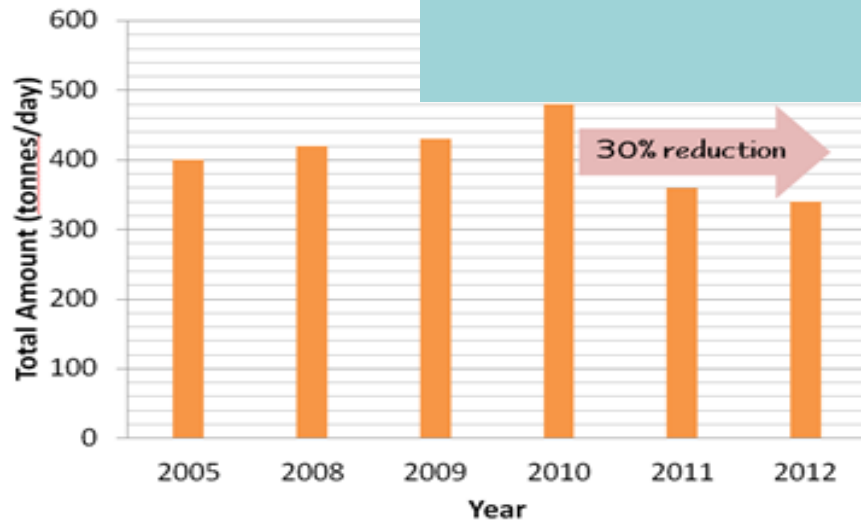


Figure 1: Cebu City achieved 30% waste reduction within three years (Cebu City, 2012)



Figure 2: Inayawan landfill site in 2010



Figure 3: Inayawan landfill site in 2013

Public/private partnership is the heart of Cebu Model



URGENT NO SEGREGATION NO COLLECTION

MALATA DALING NA MASHAKO UTAKAN MASHIN MAYET SA PULUTAS PAWEL TINAK SA LUGA LUGAN SA MASHUP CAYON	D-MALATA PLASTIC BAGS TIDOR O PLASTIC STRAW PICOS SA ICE WATER DUNG FOODS SCOTCH TAPES STYROFOAM TETA PAGES	RESIDUAL MAYPIS ISAPERS TUMPO BATTERY FLUORESCENT BOTELE NA MGA DE MASHAKIT
--	--	---

BALAY SA REPERECECT ACT 2001
Clean Air Act 8709 ng CITY ORDINANCE 1242 DG 2011

MGA GINAGALI:

- PAULABAY US MGA BABURA SA MGA PUBLISONG LUGAN.
- ANG DALING MASHAKO O MASHIN MASHAKO SA MGA BABURA.
- PAWEL, SCOTCH SA MGA MASHALANAN NA MGA BABURA.
- DUNGALAN NG BABURA MGA MASHALANAN SA METRO PALABOT SA MGA PARILO O FORA SA MGA PALABOT O "BAYBAY"
- MGA LUGAN PATIGAYONAN KINAPANGANAN DUNAY BUOLANAN SA MGA BABURA US DILI MASHALANAN SA MGA TINDO LUGANABAY.
- PAULAWA, PASHANGEL, PASHALABANAN SA PUBLISONG LUGAN.
- ANG MASHALANAN SA BABURA SA DALING MASHAKO DUNAY O MASHIN MASHAKO.
- PASHANGEL SA BIRAN LUGAN SA BABURA, LABAN NA ANG PLASTIC US DUNGALAN.
- PAULAWA SA BIRAN MGA MGA BABURA SA MGA MGA US BIRAN.

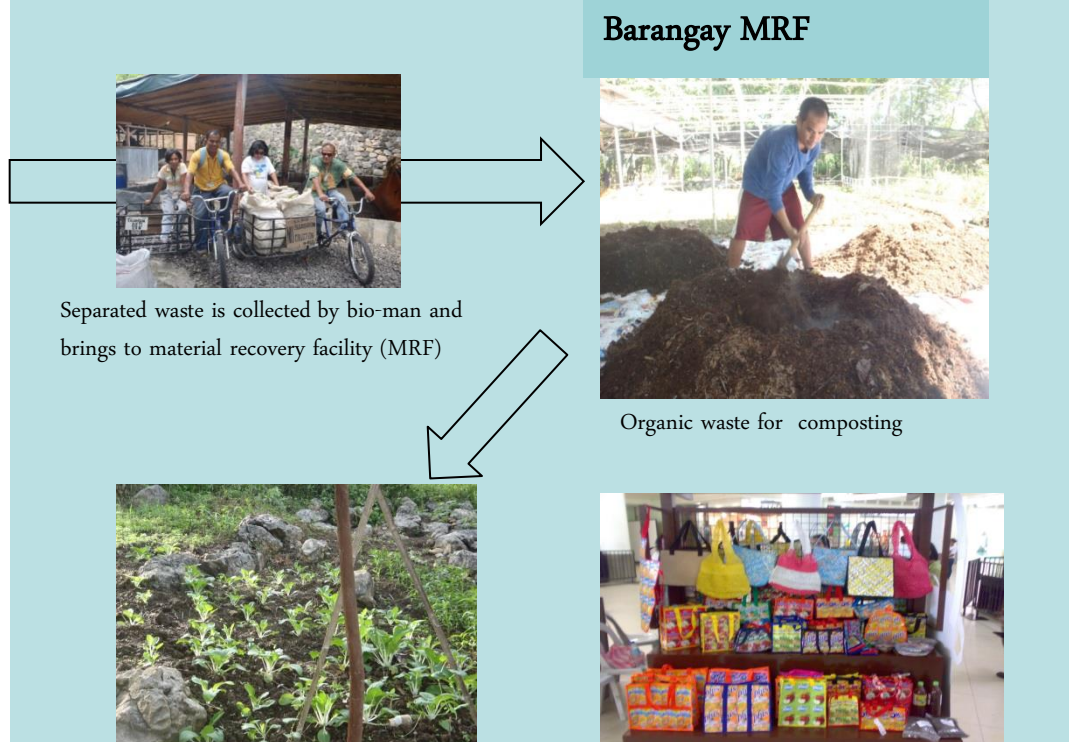
WAKAY: WEDNESDAY, FRIDAY & SUNDAY
RESIDUAL/SPECIAL WASTE US NILAH MGA
RESIDUAL/SPECIAL WASTE

TUESDAY, THURSDAY & SATURDAY
DILI MALATA - NON BIODEGRADABLE WASTE US NILAH MGA
RESIDUAL/SPECIAL WASTE

MGA SILOY OG MULA
*Kumpromiso: Free: 8760-0100
*Tala (1) hangtud unan sa bidaan ngay pagpabalangay



Educate and enforce the law on waste separation at source



预览已结束，完整报告链接和二维码如下：

https://www.yunbaogao.cn/report/index/report?reportId=5_6473

