

# Lembongan ?



We have a **SMALL** problem ...

Bali Eco Deli, May 2013 for LMA

# **Local wastes management history**

NONE !

# Long term option (AKA step 3)

Having **Bali Recycling** coming on a regular basis to collect E-V-E-R-Y-T-H-I-N-G that can be recycled  
( = **80% of streets / dumping sites wastes** )

## Main obstacles :

- Cost (TBC)
- Local communities + government involvement  
= long negotiations

So let's go thru the not-so-short-term option ...

# Not-so-short term option (AKA step 2)

Providing & installing a network of bins for local community to use & sort their waste

## Main obstacles :

- Bins & collection cost (see step 1 for funding option)
- Sorting = long run education process = cost = dedication  
See Everto (Togean) & Peduli Alam (Amed) experiences for instance
- Banjar authorizations + funding required + « not our job »  
= long negotiations

So let's go thru what we really can do quickly & easily ...

# Short term option (AKA step 1)

Small group of businesses collecting their recyclable wastes & sending them to mainland on a regular basis

⇒ focus on LMA members as starters

Minimum number of businesses needed : **6**

**more businesses involved**

=

**less cost**

=

**more opportunity to turn wastes into \$\$\$**

(breakeven = 12 committed businesses)

# Short term option costs

**Large & tough bags (seaweed farming bags) : FREE, zero, tidak, nada**

Provided by Bali Eco Deli free of charge to participating businesses \*

Can also provide (@ cost, price TBC +/- 100,000 RP + transport) bins made of recycled oil barrel

**Bags pick-up service every month : FREE, zero, tidak, nada**

Provided by the Beach Club free of charge to participating businesses \*

**Transport to Bali (public boat charter + Bali Recycling staff as porters) every month :**

Cost per trip : 650,000 RP \*\*. Monthly cost : 110,000 RP per businesses with 6 participating

**Daily cost : 3,700 RP** (the more committed businesses , the cheaper it gets ! 12 businesses = **FREE**)

**Bali Recycling pick-up in Sanur : FREE, zero, tidak, nada**

Cost covered by resale of recyclable wastes with a minimum of 6 starting businesses

\* Participating business need to commit on filling a minimum of 2 bags a week

\*\* Initial cost was 1M RP using porters from Sanur, reduced to 650k RP using Bali Recycling staff

# Short term option benefits

## Your own local & online marketing opportunities :

- Online campaigns, LMA press releases, ...
- Your business cares : install bins your walk-in customers can actually see & use

*FYI, Bali Eco Deli is collecting 2 bags a week **with less walk-in customers than most of you** just by having a poster & a bin ! People LOVE the idea !*

## Bali Recycling offline & online marketing opportunities :

Bali Recycling ready to install a « Lembongan Recycles ! » sticker on their truck, Including participating businesses logos + Facebook + press releases, ...

## Starting a trend & getting more businesses involved

More businesses involved = less cost = more volume = more \$\$\$ opportunity  
= **turning some small starting expenses into \$\$\$**

*If you know a better investment for 3,700 RP a day, please let me know 😊*

# What kind of wastes we want ?

Paper	Metal
Office paper	Metal scrap
Mixed/Colored paper	Tin cans
Books	Cooking Pots & Pans
Cardboard boxes	Tin/Aluminum foil
Greetings cards	Aerosol cans
Magazines	Electrical wire
Shredded paper	
Envelopes	<b>Plastics</b>
Junk mail	Water & soft drinks bottles
Wrapping paper	Plastic bags & films
Phone books	Household cleaner bottles
Juice & Milk Cartons	Detergent bottles
Tetra Pak	Shampoo bottles
	Yoghurt containers
<b>Glass</b>	Most plastic containers
Any glass container	Plastic Toys
	CDs/DVDs

Feel free to add the personal wastes you & your staff produce (toothpaste tubes, soap bottles, plastic bags, used lighters ...) to your bags. **The more you collect, the better !**



# **What kind of wastes we DON'T want ?**

- Organic wastes
- Wet wastes
- Food wastes
- Everything that your staff is already making money from

# What about street or beach clean-ups ?

You're very welcome to clean your area & include the collected rubbish to your bag but keep in mind that :

**MORE sand, dirt or water**

=

**LESS valuable wastes**

But ... **typical wastes collected during clean-ups** (plastic straws, containers & bags, glass bottles, ...) **are HIGH value !**

The very best option being cleaning very sandy items & drying them before putting them in your bags.

# FAQ

## **Do wastes need to be sorted ?**

As long as you only collect needed wastes, you don't have to sort anything

## **Anyway to get posters, bins, marketing material to promote wastes collection ?**

Yes. Just send me a logo. I'll do what I can, for free. Printing at your charge

## **Our business want to participate but we're not sure to be able to fill 2 bags a week.**

- Bali Eco Deli is collecting 2 bags a week (= minimum volume needed) just from guests dropping their plastic bags & bottles in the provided bin. The same operation is producing 1 bag of recyclables per week from daily operation, food preparation & serving.
- A typical Dive Center should be able to collect the same amount of recyclables from their walk-in customers & guests + a small volume (between  $\frac{1}{4}$  to  $\frac{1}{2}$  a bag per week) from daily operation (office paper, junk mail, sugar sachets, toilet paper rolls, various packaging ...). Add your staff personal wastes & yours and you should get close to a full bag quite easily.
- Restaurants & resorts should be able at minimum to collect the same amount from guests & produce 1 bag per week from their daily operation.

If struggling with volume, you still have the beach & other dumping sites not so far from your place where you can fill a full bag within just a few minutes ...

# Next steps proposal

**10/05** : deadline for starting businesses to commit  
Payment for boat & porters due same day \*  
Waste bags will be distributed same day

**10/05 to 03/06** : regular monitoring that everything  
is up & running smoothly for everybody

**03/06 (TBC)** : bags collection

**04/06 (TBC)** : shipment to Bali Recycling

\* 110,000 RP / business. Partial / full refund with more than 6 actively participating businesses  
Actively participating businesses being much more needed at this stage than just sponsors ...

**No questions ?**

Who's in ?

Who else can be in ?

Bunga ? Pondok Baruna ? Scooby Doo ? ~~D&B~~ \*? Others ?

D&B already in : BED is collecting recyclables daily from Diasa ... takes 3 minutes a day.

# Appendix A – 1st shipment report

Item type	Item name	cbm	%	kg
<b>Recyclables</b>	Aluminium	0.01	8.3%	0.5
	Metals	0.01	8.3%	1.0
	PET plastic bottles	0.02	16.7%	13.5
	Plastic bags	0.00	0.0%	70.4
	PP plastic cup	0.01	8.3%	6.8
	Hard Plastic	0.02	16.7%	22.4
	Cardboard	0.00	0.0%	0.0
	Cartons tetrapak	0.00	0.0%	5.0
	Paper white	0.00	0.0%	0.0
	Paper, Newspaper, Magazines	0.01	8.3%	10.5
	Glass bottles	0.02	16.7%	34.0
	<b>Recyclables Total</b>		<b>0.10</b>	<b>83.3%</b>
<b>Non recyclable</b>	HazMat - CFL, batteries, etc.	0.00	0.0%	0.0
	LDPE with aluminium	0.00	0.0%	0.0
	Mica PVC	0.00	0.0%	0.0
	Styrofoam	0.00	0.0%	3.0
	Textiles, Rubber, etc	0.02	16.7%	35.0
	Wax & other	0.00	0.0%	0.0
	<b>Non recyclable Total</b>		<b>0.02</b>	<b>16.7%</b>

- Shipment included 99 bags, among them only 22 were recyclables
- Bali Recycling **ready to pay for boat transport** with 5 times this amount of recyclables ( = +/- 820kg or 100 bags or 12 committed businesses)

# Appendix B – Shipment target

Committed Businesses	Bags / week / Business	Bags / week	Bags / month	Monthly cost / business
6	2	12	48	108,333
7	2	14	56	92,857
8	2	16	64	81,250
9	2	18	72	72,222
10	2	20	80	65,000
11	2	22	88	59,091
12	2	24	96	0
13	2	26	104	Profitable
14	2	28	112	Profitable
15	2	30	120	Profitable
16	2	32	128	Profitable
17	2	34	136	Profitable
18	2	36	144	Profitable

**With 12+ committed businesses, wastes turn into \$\$\$ !  
Ultimate goal being to organize weekly shipments ...**

# Appendix C – Various promotion ideas



Mari bersama sama menjaga lingkungan kita agar menjadi bersih dan indah

**everto**  
everybody for togean  
www.everto.org



**everto**  
everybody for togean  
JAGALAH LINGKUNGAN  
SOLUSI ADA DI TANGAN KITA



Ocean debris worldwide kill **every year** at least 1,000,000 sea birds and 100,000 mammals as they often mistake them for food.

Picking up just **1** plastic trash can save animals.  
**Don't be shy** next time you dive, surf or just walk on the beach. **Thank you** :)

**everto**  
everybody for togean

**PROTECT THE ENVIRONMENT, GIVE THEM A JOB**

**EVERTO** is a non-profit organization based in the village of **Kilakilil**, Togean Islands, Sulawesi, Indonesia.

**OUR MISSION**  
Promote and set up actions in environmental protection, provide eco-responsible job opportunities to local people.

With your **support**, we can hire villagers to carry out **green activities**:  
collect plastic, waste, and clean their area from the emergence and prevention  
issues of tourism startups, that decrease the coral reefs.

To support us, you can **make a donation** and buy handmade merchandise  
at **Fadhika Cottages**  
on our website: [www.everto.org](http://www.everto.org)

We also need extra hands, feel free to join our **Beaching and Plastic tour!**

[www.everto.org](http://www.everto.org)    Facebook: [EverybodyForTogean](https://www.facebook.com/EverybodyForTogean)    info@everto.org



# And now, the bad news. Sorry ...

I've paid from my very own pockets the trial shipment

1,000,000 RP (1/2 for the boat + 1/2 for Sanur Beach porters)

:

7 (\*)

=

143,000 RP

Sorry, I only accept cash. No Bintang. Thank you 😊

(\*) BDA, BED, BF, BC, LDC, 2F, WD. AA & The Beach Club being exempted.