

■ Little Circular Farm / Flee Market

管理運営団体

じゅんなま研

NPO法人循環生活研究所





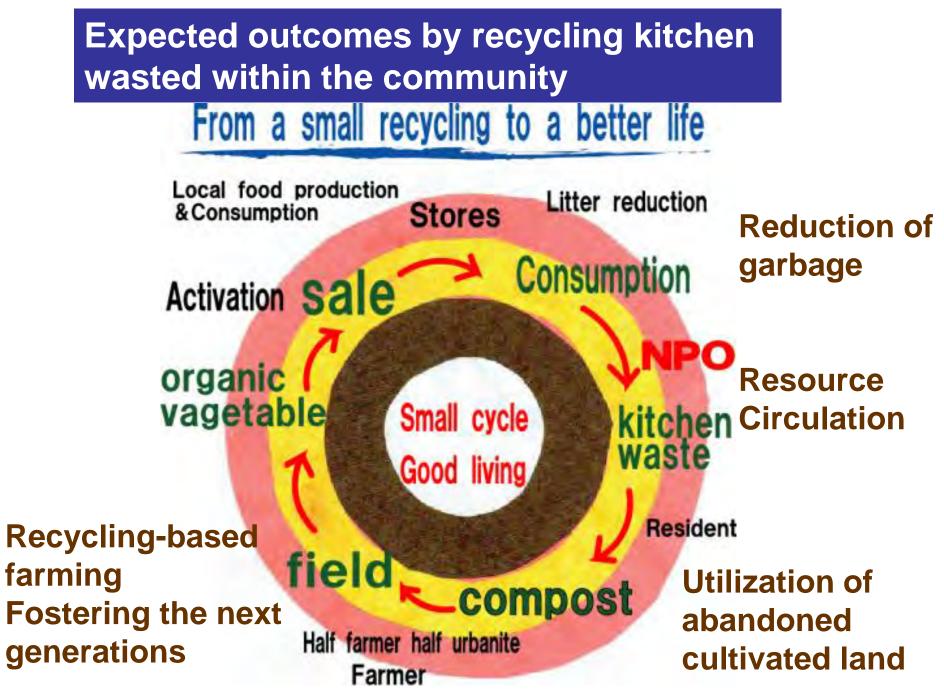
Various Types of Lectures on Composting



Utilization of community resource / Composting with community people and Children

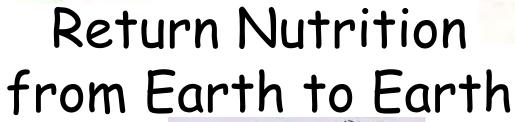






Establish a system which utilize mutual resource built until now and reduce investment, cost and risk.







compost



Our Accomplishments on Reduction of CO2 Emissions

Reduction of Environmental Burdens

Cardboard Composting methods disseminated in FY 2010 to:

75, 602 people

Equivalent to approx. 5,292 tons/year/CO2

50Kg×75,602人×4×0•35(acount from jun-namaken,Fukuoka)

Additional Effects

- ◆Recycling of regional resources (greening, reduction of fertilizers)
- Promotion of Eco-bags (reduction on plastic bags)
- ◆Reduction of garbage bags
- Reduction of incineration related cost
 (kitchen waste accounts for 30-40% of household waste)
- Community Development and Information Exchange
- ◆Mobilization of Regional Human resources (Capacity building)

Advantages and legues of Composting

Relatively less care

Has some Odor

Less easy to mix

Relatively fast, subject to

Could relatively tamper in

No care required

Almost No Odor

Very easy to mix

Less likely to tamper in

Fast

Advantages and issues of Composting			
	Parks • Outside	Containers	Cardboard Box
Space	Requires a lot	Requires little space	Requires little space Where it will not rain
Container	None required	Is very durable	To be replaced as necessary

care

Requires a lot of care

Relatively fast, subject

Could easily tamper in

to care

Bad Odor

Very easy to mix

Care

Speed

Odor

Decompost

Easy to Mix

Animals

Insects

Cardboard box compost

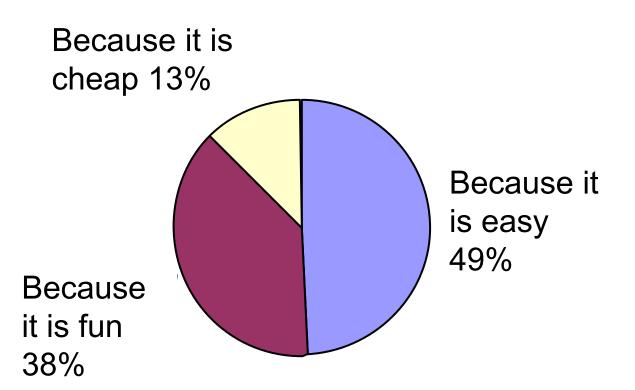
Cardboard box=Simple moisture adjustment

- -Even beginners can't go wrong
- -You can quit anytime
- You can compost even without a yard
- Cheap





Why do you compost?







How to make a Cardboard Box Compost



Charred Risk Husks & Coconuts peat in Batta Composting





How Food De-composts





Corn crumbles in 3-4 weeks.

Microbes are working hard around the bone.

Corn and green soybeans becomes only fibers.



The temperature becomes high & low

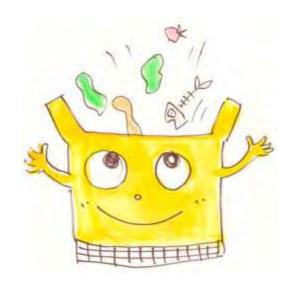




start

After 3 monthes











Kitchen waste disposed in the compost

About 3 monthes

ripen

3weeks

Use

keep



IPlace the box where the rain will not fall on top

[What to do daily]
Place the kitchen waste
mix
Cover the lid

[amount of kitchen waste]

500g~1kg/per day

Waste bits should be

No shells(clams)

small enough to mix



Nurturing and sustaining resource recycling technology in the community

Community ties strengthen

Community ties strengthen through vegetable gardens





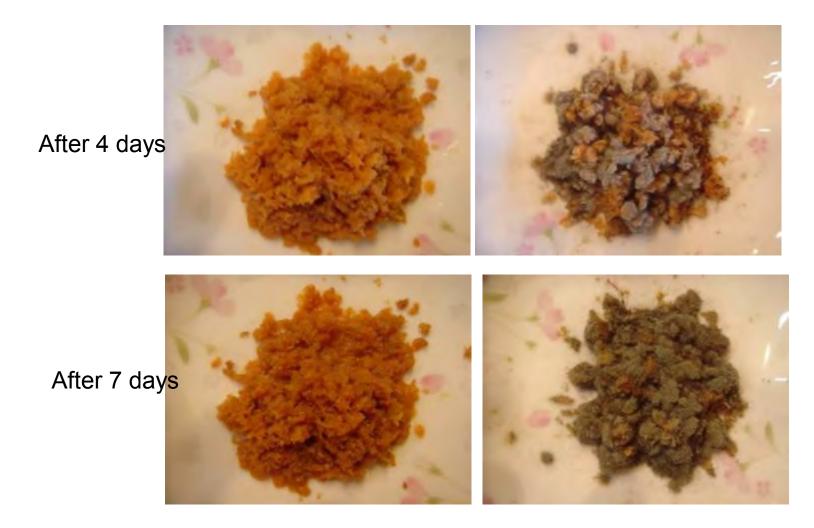
Safe vegetables Great Taste

'4R' a mechanism established within the community where urban farmers can make sustainable profit

Local(Region)
Low technology
Low cost
Low environmental impact



Comparison of compost used vegetables and vegetables sold at supermarkets: a homework research by secondary school student



Half-urban Half-farmer seminar

Resource Recycling Based Farming





Small Cycle Farm

Community inside the 2 km circle, where people can see each others' faces, where a ring of wisdom is circulating, where people do not generate kitchen waste and protect ground and food by eating.









japan

business planmanagement atching, reeas expansion. It for fostering



in Japanese alphabetical order by surname

Ms Yulko Taira Director, (NPO) Jun-nama-ken ("Cyclical Living Research Institute")

Ms Taira leads many training and collaboration efforts for Jun-nama-ken. As a Cardboard Compost Trainer, she has worked with groups ranging from local households to foreign government officials. She has been recognized by the Japanese Ministry of the Environment as an Environmental Courselor.

Dr Kolchi Tagomori







Leaders Training Program (transfer of know-how) in Nepal 4 days lecture and practice seminar











Asia 3R Promotion Civic Forum in Vietnam (2013)

Kitchen Waste Compost / Resource Circulation for Asia

Introduced the circulation-based community for saving-resource/energy.

In this circulation, making compost is the key. The NPO bears production of compost and instruction of vegetable garden using non agrochemicals.

Moreover, in community based resource circulation, it is important to foster experts who can produce compost and chemical-free organic vegetables in order to achieve a low cost and sustainable society.

Explained the benefit of compost and the relationship with people and the role of NPO. Explained the concrete technique and mechanism and tips that people can easily try.

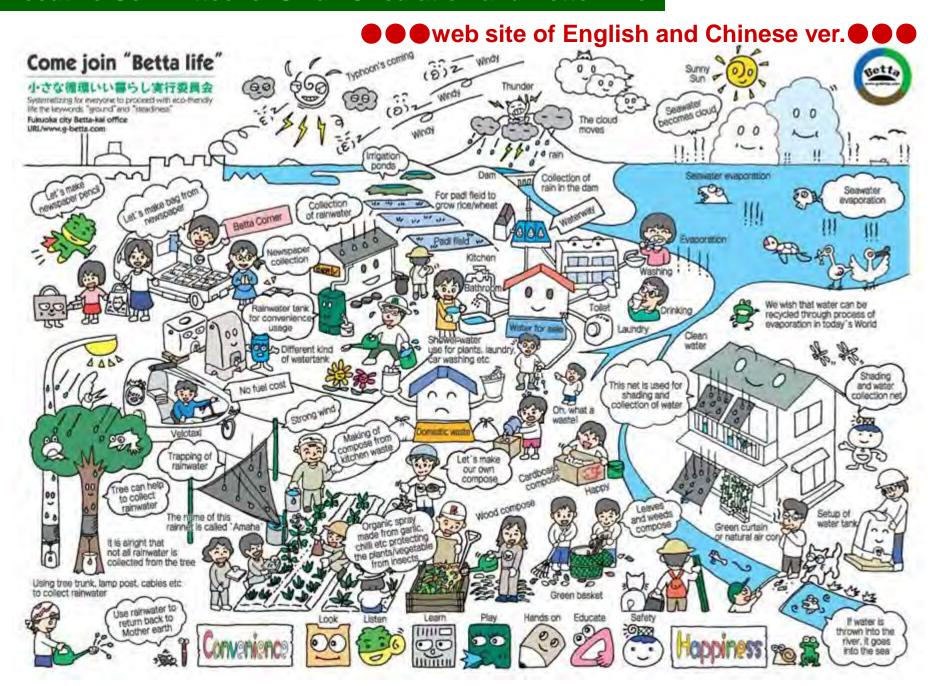
We found massive needs in the personnel training of Cardboard Box Compost. We are

planning next year.





Executive Committee of Small Circulation and Better Life





Cardboard Composting in Nepal

some experiences

Padma Sunder Joshi

Habitat Programme Manager, UN-Habitat NEPAL

 Introduced in 2010 with the support of UN-Habitat



- Promoted in Kathmandu and in Baglung Municipality
- Popular among urban agriculture practitioners

Overview





- Bin composting was promoted by municipalities in Nepal
- The limitation of bin composting is smell and insects
- The technical limitation is not attaining adequate heat to destroy pathogens



.... the conventional bin composting

The beauty of Cardboard Composting is

- It is easy to do
- It is economic
- It is less time consuming
- It keeps the insects out
- It provides more balanced manure









.....Cardboard Composting



.....Some practices in Nepal



.....Some practices in Nepal









UN-Habitat is promoting urban agriculture in Kathmandu

Cardboard
Composting
is part of the
training

More than 500 families are doing cardboard composting





Thank you