

The child at the center of DRRM formal education

Assessing hazards



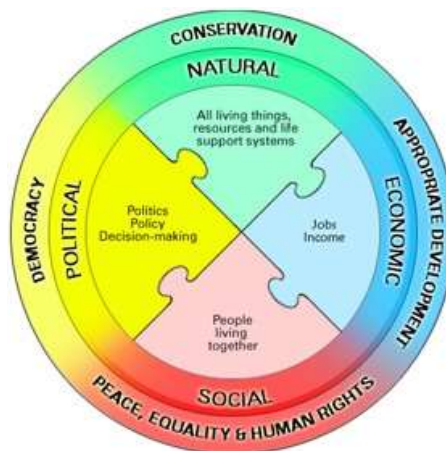
Children from Gorong-gorong, Nabua, participate in a barangay training by creating a hazard map.



Students excitedly participate during the BERT elections.

Source: Save the Children

DRRM is not apart from Sustainable Development



EP 5 Everything goes somewhere.
Lahat ay may patutunguhan.



Garbage
everywhere!



How do you rate yourself in the implementation of RA 9003?

What are the success factors?

What are the constraints?

TAPON, HAKOT, TAMBAK



KALAT, SUNOG



Endocrine Disrupters

Cadmium
Lead
Mercury
PCB

DDT
Malathion
DBCP

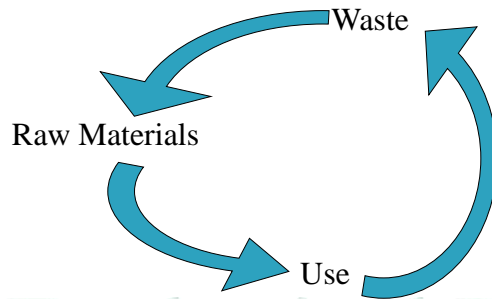
DIOXIN

IS INCINERATION THE ANSWER?

- ▶ Resource dead-end
- ▶ Expensive
- ▶ Reformation of dioxin during low temperatures

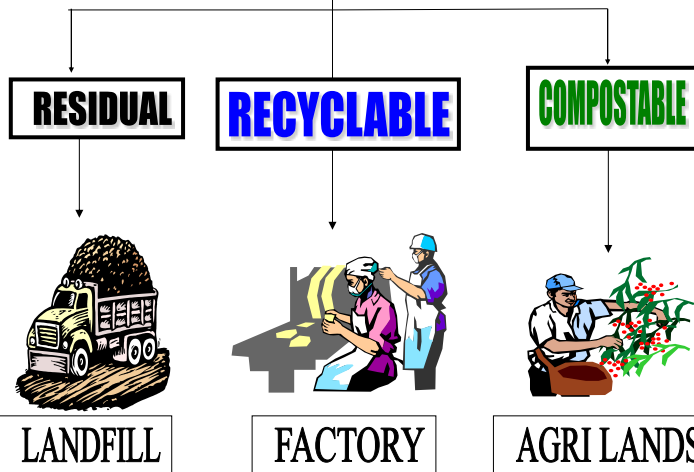
From linear thinking

virgin material ---- use --- dumpsite



to Ecological Paradigm
to Ecological Paradigm

SOLID WASTE





Barangay Escopa 2



Rotate the drums about 8 times, 3 times a day.

Stop adding food waste when the drums are about 2/3 full. Continue rotating the drums 3 x a day for 5 days.



Mother Earth Foundation

Ecological solid waste management: towards zero waste

Waste reduction
Waste reduction
Composting
Vermicomposting
Materials
recovery



Composting



Barangay Talayan



Mother Earth Found

MELTED INGOTS READY FOR EXPORT



SEC. GOZUN, ISTEAC SEM. 4/05



ELECTRONICS RECYCLING

HMR Envirocycle Phils., Inc



SEC. GOZUN, ISTEAC SEM. 4/05

EP 6 Ours is a finite earth.
Ang kalikasan ay may hangganan.

Mining and floods



Pinoy Low Carbon Lifestyle Website

Home Page

Home Carbon Counter Features Gallery About Us

Welcome to the Pinoy Healthy Living: Low Carbon Lifestyle website!

We aim for Healthy People, a Healthy planet.

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Planet Earth today is threatened by climate change, with worsening natural disasters leading to loss of life and property, destroying biodiversity, and altering agricultural patterns.

To prevent climate change from happening, we must lessen the emission of greenhouse gases: carbon dioxide, methane, nitrate, sulphates. While countries can reduce through policy and other structural measures, every global citizen must contribute in reducing greenhouse gases through a low carbon lifestyle.

The Philippines has a traditional culture that is low carbon. The Pinoy Low Carbon Lifestyle digs deeper into practices, values and behavior that present-day Filipinos and other people can emulate. For instance, certain cultures such as the Ilocanos are known for their frugality. Regional recipes from various regions of the Philippines can also guide us to a healthy diet, leading to long life.

Do you have a low carbon lifestyle? The Low Carbon Lifestyle counter gives an indication of how much carbon you contribute to the atmosphere in various areas of your life: food and water, home design, and transportation. Please answer the questions in the counter and customize your lifestyle. What aspect do you want to improve?

How can you change by being green? You can do a water information research and water. You can look at other options as well to track more.

RECIPES

Filipino Vegetarian Dishes and Recipes

Here's the scoop on having your own Healthy Low Carbon Diet that is truly Filipino – it's cheap! Enjoy them fresh and organic!

Recipes:

- Dinengding
- Quinsang Munggo (Sauces: Green Beans)
- Ginataang Kalitaza (Soup in Coconut Milk)
- Atsara (Kangkang (River Sprouts) Sautéed in Soy Sauce)
- Eggplant Atsara (Eggplant Sautéed in Soy Sauce)
- Lang

BAHAY-KUBO CULTURE

Home Design/Pinoy Low-Carbon Living

Bahay-Kubo

The sturdy culture of the Bahay-Kubo green across the years of

www.pinoylowcarbon.com

Pinoy Low-Carbon Lifestyle



▶ FOOD AND WATER

Going Pinoy Vegan
Pinoy Raw Diet



▶ TRANSPORTATION

Carpooling
Walking and non-motorized transportation
New Technologies – E-Dyip and Hybrids



▶ HOME DESIGN

Pinoy Low-Carbon Living – Bahay-Kubo Culture
Ecological Waste Management



▶ CARBON OFFSET

Ethical Pinoy Consumerism
Rainforestation Technology
Pinoy Backyard Gardening

Water

With the amount of rainwater we have, it is just logical to do some water catching!

Here's how! ☺

Rainwater Collection Technologies:



Rainwater Collection System

ADVANTAGES:






- ▶ Relatively inexpensive.
- ▶ Flexible system--easy to reconfigure, expand, or in some cases, relocate.
- ▶ Relatively easy for owner/builder to do with little help.
- ▶ Reliable--eventually, you will have water in your tanks!

Resources:

- Rainwaterharvesting.org

Transportation

Transportation is one of the major sources of pollution in any country. As millions of Filipinos commute daily, being eco-friendly in our commute becomes a challenge.

Renewable Energy Potential of the Philippines

- ▶ Geothermal – 5,000 megawatts
- ▶ Wind – 70,000 megawatts

- ▶ In 2003, total Philippine peak energy demand was 8,204 megawatts

Source: Green Convergence



Home Design
Pinoy Low-Carbon Living

- ▶ **Bahay Kubo**
 - Green Housing Design



The Bahay Kubo is the ultimate green design that spans all throughout the Philippine history. From its materials and design, this Filipino symbolic structure would always remain to be an blue-print of Pinoy Low-Carbon Living.



Solar street lights installed at ESI grounds

Miriam College's Environmental Studies Institute (ESI) has installed two solar street lights on campus last March 24 to light the school's pathways and to charge cellular phones. The street lights, purchased from Solutions Using Renewable Energy Inc., are made up of a LED lamp, a photovoltaic solar panel, and a rechargeable battery. It will automatically turn on at dusk and turn off at dawn. It charges itself at daytime.


The installation of the street light is in line with the school's strong commitment to climate change mitigation and the ESI campaign for a Pinoy low-carbon lifestyle (<http://www.pinoylowcarbon.com/>). The street lights were also installed in time for the observance of Earth Hour last March 26.

Principle 7: Nature is beautiful and we are stewards of God's creation.

Maganda ang kalikasan at tayo ay tagapangasiwa ng linikha ng Diyos.


GENESIS IN REVERSE

In the beginning was the earth.
It was beautiful.
And humans lived upon the earth, and
humans said:
*“Let us build skyscrapers and
expressways”*.
And humans covered the earth with steel
and concrete
And humans said, *“It is good”*.



GENESIS IN REVERSE

On the second day, humans looked upon
the clear blue waters of the earth.
And humans said: *“Let us dump sewage
and wastes into the waters”*. And humans
did.
The waters became dark and murky.
And humans said: *“It is good”*.



GENESIS IN REVERSE

On the third day, humans gazed at the forests of the earth.

They were tall and green. And humans said: *“Let us cut the trees and build things for ourselves”*. And humans did.

And the forest grew thin. And humans said: *“It is good”*.



GENESIS IN REVERSE

On the fourth day, humans saw the animals leaping in the fields and playing in the sun.


And humans said: *“Let us trap the animals for money and shoot them for sport”*. And humans did.

And the animals became scarce. And humans said: *“It is good”*.




GENESIS IN REVERSE

On the fifth day, humans felt the cool breeze in his nostrils,
And humans said: *“Let us burn our refuse and let the wind blow away the smoke and debris”*. And humans did.
And the air became dense with smoke and carbon. And humans said: *“It is good”*.



GENESIS IN REVERSE

On the sixth day, humans saw many kinds of people on the earth, different in race, color and creed.
And humans feared and said: *“Let us make bombs and missiles in case misunderstandings arise”*. And humans did. Missile sites and bomb dumps checkered the landscape.
And humans said: *“It is good”*.



GENESIS IN REVERSE

On the seventh day, humans rested.
And the earth was quiet and deathly still.
For humans was no more.
And it was good.

Filipino values:
Humane and people-centered approach

Kapwa – the view that each person is but part of one human family that shares this planet Earth

Guia, 2008

Source: De

Bayanihan –
Community Culture – Sensitive,
feeling of security of a person



“ From here on, the primary judgment of all human institutions, professions, programs and activities will be determined by the extent to which they inhibit, ignore, or foster a mutually-enhancing human/Earth relationship.”

– *Thomas Berry*, author *The Great Work*



Building the critical mass...

A map of the Philippines is shown in green, with several red dots placed on it. Surrounding the map are several inset photographs of children. One photo shows a large group of children in school uniforms. Another shows a close-up of a young girl's face. A third shows a group of children sitting on a wooden pier. A fourth shows two young children, one with a yellow shirt. A fifth shows two children in a rural setting. A sixth shows a group of children in school uniforms. A seventh shows a group of children in a classroom setting. The text "Building the critical mass..." is positioned to the left of the map.

Mahalín natin ang kalikasan.

Maraming salamat po!

