

In 2003 I presented my Thesis –

Towards Sustainable Landscapes Guidelines for regulating Aesthetics and Environmental Quality of the Landscapes

to a panel of distinguised Architects and Landscape Architects with Arch Horacio Dimanlig as my Thesis Adviser to Arch Mary Ann Espina, Arch Cecilia Tence, Arch Danilo Silvestre, Arch Paolo Alcazaren, Arch Efren Aurelio, Arch Honorio Palarca and guests Arch Geronimo Manahan, Ms. Gloria Lava, Arch Geoffrey Cardinal...

It is intended to be a guideline for local government officials, environmental advocates and design professionals to deal with the current

Environmental problems but particularly in the Enhancement the Philippine Landscapes.

It detailed concepts to alleviate problems in air, water noise and visual pollution using the most economical natural living materials

PLANTS

Greening of our Environment

It is the restoration, creation and maintenance of plant life

in our towns and cities .

Towards Sustainable Landscapes

Urban Greening

It is one of strategies to mitigate the human health consequences of increased temperatures resulting from

Climate Change.

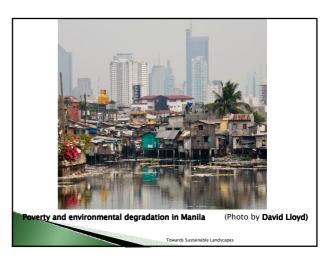
Air temperature within Parks and Plaza especially with abundant trees and plants are cooler than other places





But have we deeply viewed them lately?

And annoticed Landscape degradation... Accumulation of Unrelated developments Destruction of Natural, Scenic and Historic Sites Overcrowding of Poles and Electric cables Copied and Franchised Landscapes Noise, Water, Air and Visual Poullution









Environmental Disasters and problems In 2003, Cherry Hill, Boliano Fish Kill, Ormoc Flash Flood, Payatas Fall

Towards Su:



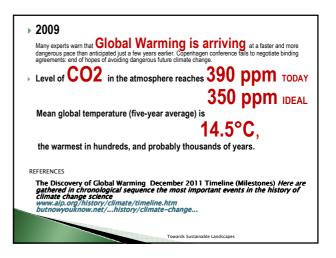
Globally Earth Summit 1972

The United Nations Conference on the Human Environment

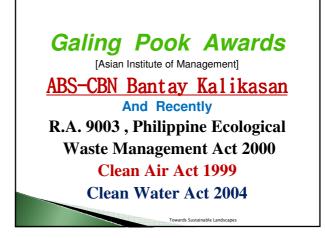
(also known as the Stockholm Conference)

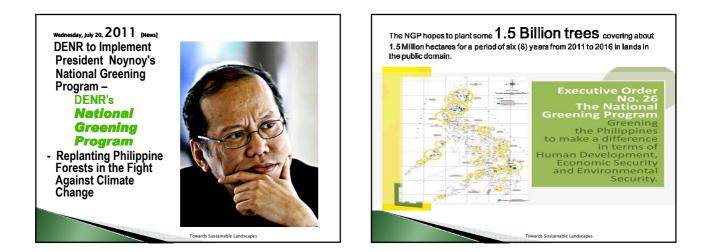
It was an international conference convened under United Nations auspices held in Stockholm, Sweden froth them June 5-16, 1972. It was the UN's first major conference on international environmental issues, and marked a turning point in the development of international environmental politics











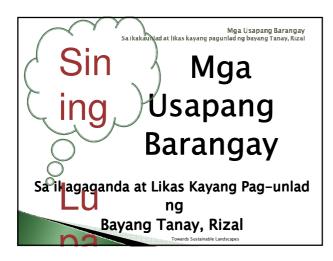
New Landscape Designers embracing environmental values

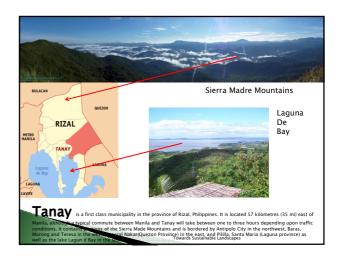
Ian Mcharg
Philip Lewis
Michael Hough
John Lyle

This aims to change the role of Landscape Architects and its important contributions in building sustainable towns and cities and finding solutions to climate change.[[] Thus in embracing and practicing sustainability, the Landscapes will survive in natural harmony with the environment. Sustainable landscapes is an alternative approach in enhancing our lives by having back a









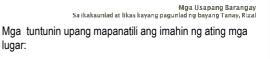












Paglilista ng mga pook na mahalaga

lugar:

- > Pagusapan ang mga ito sa inyong barangay
- Mag-ipon ng mga maps, litrato, salaysay
- Ilista and mga pinakamalalagang lugar Magrekomenda ng mga possibleng
- pagbabago o pangangalaga dito
- Comulsulta sa mga NGO o ahensiya ng Gobyerno, kung nangangailangan ng higit na kaalaman.

Mga Usapang Barangay Sa ikakauniad at likas kayang paguniad ng bayang Tanay, Rizal Tatlong bagay ba dapat tandaan upang mapanatili at mapaganda natin ang imahin ng ating Igalang ang natatanging katangian ng lugar Panatiliin ang kahalagahan at tunay na diwa

- ng lugar
- Pagmasdan ang ugnay-ugnay na elemento ng tanawin.





Mga Usapang Barangay Sa ikakauniad at likas kayang paguniad ng bayang Tanay, Rizal

Roads

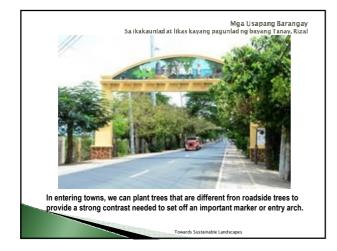
Streets

and



Promotion of Walkways, Bike Lanes, minimization of vehicular traffic, planting of Trees and Plants along roads and streets not only for Beautification programs but to reduce air, wind, noise and visual pollution.

Towards Sustainable Landscape





Common Name Acacia Scientific Name Samanea saman

And longer trips plant trees that maintain a constant character and a contious Rhythm. The faster the traffic flow, the longer the length of the repeating and the more open the road should be.

Towards Sustainable Landscapes

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For streets along national roads, highways, and major roads/

"Highly pollution-resistant" trees:

Name

Acacia

African Tulip (English) Caballero (Spanish) Golden Shower (English) Fire Tree (English) Gemelina (Tagalog) Ipil-Ipil (Tagalog) Camachile (Spanish) Mahogany (English) Marguim (English) Narra (Tagalog) Palawan Cherry (English)

Samanea saman

Scientific name

urds Sustainable Landscape

Spathodea Campanulata Caesalpinia Pulcherrima Cassia fistula Delonix regia Gmelina arborea Leucaena leucocephala Pithecellobium dulce Swietania macropulla Swietania macrophylla Acacia mangium Pterocarpus indicus Cassia nodosa



Mga Usapang Barangay Sa Ikakaunlad at Ilkas kayang pagunlad ng bayang Tanay, Rizal Here are some suggestions for the local government unit that can be undertaken immediately: •Provide sidewalk in the streets.

• Remove all structures blocking the sidewalk

•Identify streets that can be a vehicle free pedestrian mall or convert streets as one way only. Regulate access of vehiches at restricted hours. This will encourage people to walk safely and comfortable Mga Usapang Barangay Sa ikakaunlad at likas kayang pagunlad ng bayang Tanay, Rizal

•Provide bike path ways in streets. We can paint a portion of the street and mark it as Bicycle lane.

•For new subdivision, encourage developers to provide schools, shops, workplaces and market within the area so people will be less dependent from vehicles. Disallow housing only subdivisions.

Mga Usapang Barangay Sa ikakaunlad at likas kayang pagunlad ng bayang Tanay, Rizal

Improve the micrclimate of roads and streets we can do the following

Through zoning ordinances, require new construction to strictly follow setbacks along roads and streets, provide setbacks at rear side for services and other unsighty activities

Encourage construction of uneven building heights

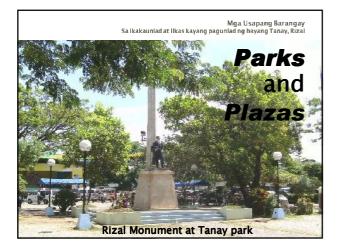
Plant trees that do not block flow of wind

Plant trees and plants to improve the microclimate of roads and streets and to lessen the noise and air pollution

.

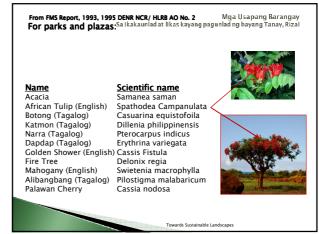


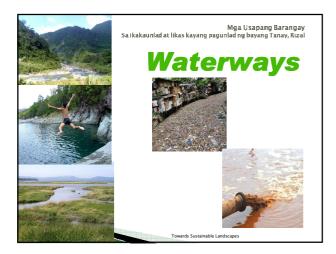
On local streets where through and fast traffic is be discouraged, tree Planting should provide shade. We can specify different types of plants And Trees with abundant overhead foliage in an uneven spacing clusters



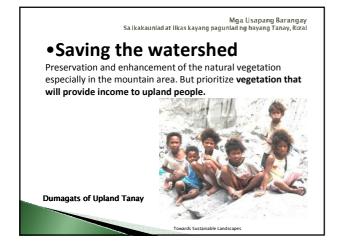












Mga Usapang Barangay Sa Ikakauniadat Ilkas kayang paguniad ng bayang Tanay, Rizai

Plant Fast growing Trees

The plants below are not only fast growers but Multi-purpose trees

used as

fuel wood, construction materials, poles, erosion control, medicinal,

manufacturing raw materials....

They are source of livelihood of rural people, thus it is beneficial to have better yield. More trees means more water to hold on trees roots and less

water runoff.

Mga Usapang Barangay Sa Ikakaunlad at likas kayang pagunlad ng bayang Tanay, Rizal For planting in the mountains; fast-growing trees (for harvesting in less than 4 yrs.):

<u>Name</u>

Mangium Agoho (Tagalog) Eucalyptus Madre de Cacao Yemane (Tagalog) Giant Ipil-ipil Paraiso (Tagalog) Datiles (Tagalog) Alibangbang (Tagalog) Kamachile (Spanish) Bayabas (Tagalog) Duhat (Tagalog) Anabiong (Tagalog) Raintree (English) Scientific name Acacia mangim Casuarina equistifolia Eucalyptus spp. Cliricidia sepium Gmelina arborea Leucaena leucocephala Melia azedarach Muntingia calabura Pilostigma malabaricum Pithecellobium dulce Psidum guajava Syzygium cumini Trema orientalis Samanea saman

rds Sustainable Landscape



Towards Sustainable Land

For places with inter-cropping/Food crops and fastgrowing trees that can be planted side-by-side:

<u>Scientific name</u> Albizia lebbek Albizia lebbekoides

Name Langil (Tagalog) Karikis (Tagalog) Akleng Parang (Tagalog) Alnus (English) Neem (English) Kadios (Tagalog) Calliandra (Spanish) Thailand Shower Dapdap (Tagalog) Kakawete (Tagalog) Kakawete (Tagalog) Acid Ipil-ipil **Malunggay (Tagalog)** Kamachile (Spanish)

Katuray (Tagalog) Katuray (Tagalog) Siniguelas (Tagalog) Mahogany (English) Duhat (Tagalog)







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Towards Sustainable Landscape

Control Water Chemistry

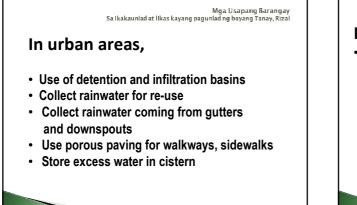
Water coming from agricultural and industrial areas must be controlled effectively at the source before polluted water they produce, enter the waterways.

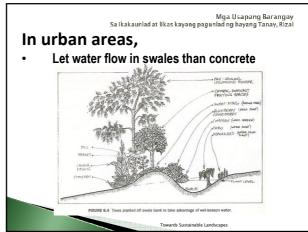
Less use of agricultural fertizers and pesticides means cleaner water, better crops.

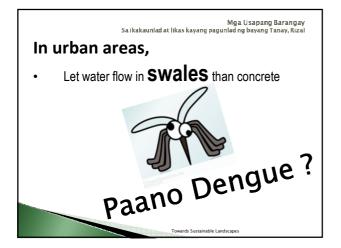
For large farms, industrial and commercial establishments, they can eliminate the waste water before entering the rivers and shores using waste water treatment plant, a highly recommendable alternative is

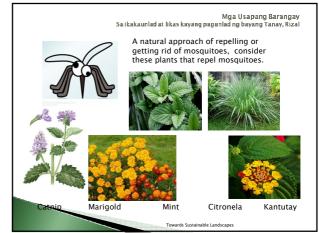
Contructed Wetland.

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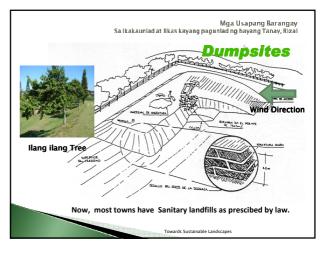


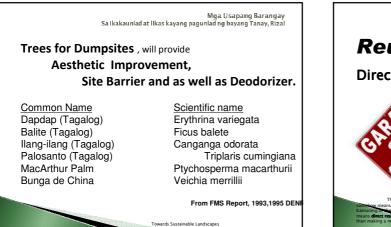






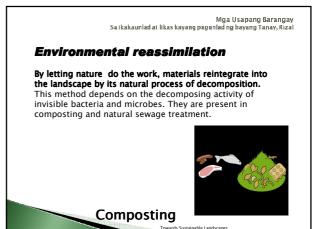


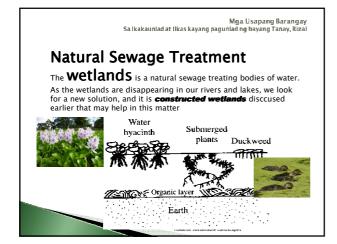


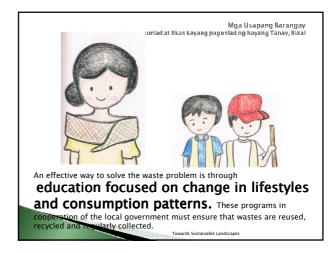


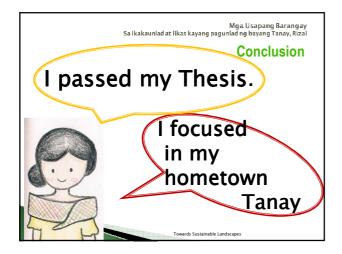


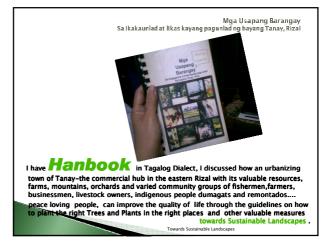






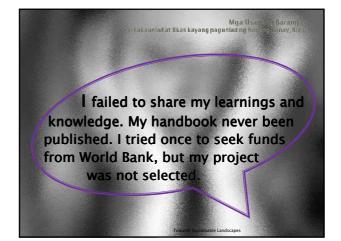




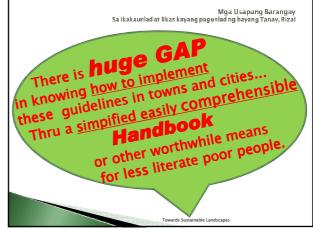


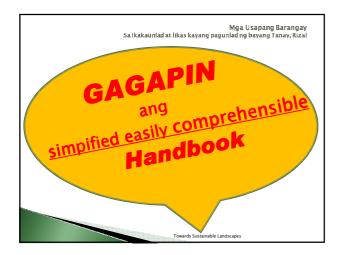












Mga Usapang Barangay Sa ikakaunlad at likas kayang pagunlad ng bayang Tanay, Rizal

Sustainability concepts and issues with us for many years, now, we have to take concerted actions in its

Implementation

to the most affected sector of the society -

the Poor.

An understanding of climate change and the future scenario of our environment will truly help people to have a change of heart.

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This may ignite them especially if the



source of livelihood.

This should be integrated in the works of the Local Government unit thru the Department of Interior and Local Government. Let us start with a simple, and effective Handbook that should be readily available and understood by all.

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The growth and Sustainability of towns and cities should delve deeply in its

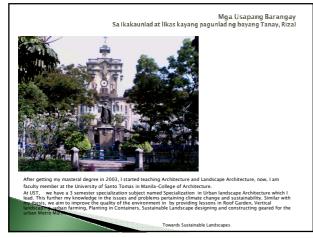
Development stage.

We,

Academicians, Architects, Professionals understood climate change and Green principles but this should be

shared in the most effective /easy way to majority of the people especially the poor.





In our country, the most crucial issue is to

of most of our countrymen. They will be the link to help solve climate change and sustainability by

Educating them in the simplest way

This simplest way that will provide them livelihood

of these environmental problems.

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