


Reciclaje y su relación al Calentamiento Global

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Esta presentación está en:
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Calentamiento Global

es una crisis mundial causada por actividades humanas:

deforestación, emisión de gases al usar autos, electricidad, agua, otros..

que han cambiado nuestro clima.



Calentamiento Global

1. **Calentamiento Global** NO es una teoría; es un HECHO.*
2. **Científicos dicen:** es causado por los humanos, mayormente emisiones de carbono.*
3. Está pasando ahora*
4. Algunas de sus consecuencias **son irreversibles!***

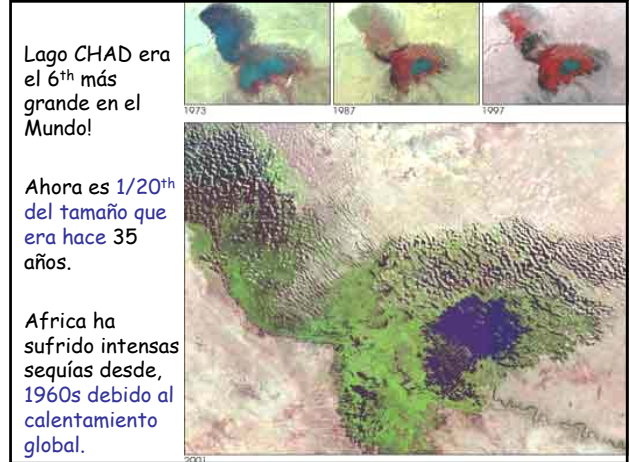
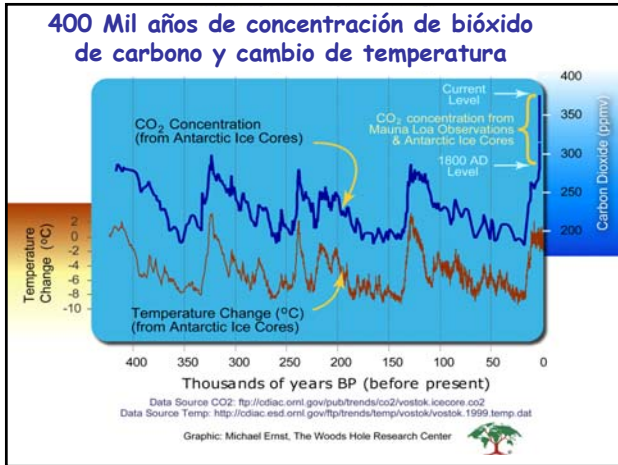
* According to the most recent UN-IPCC 4th report published on Feb 2, 2007.

El no reciclar...

- Genera metano, bióxido de carbono y otros gases de invernadero o tóxicos
- Contribuyen al calentamiento global de la atmósfera y al cambio climático.
- Gasto de material virgen, materia prima limitada.

Los plásticos y otros materiales...

- Consumen energía al
 - manufacturarse
 - transportarse
- El acero y el aluminio emiten bióxido de carbono al manufacturarse
- La ganadería en masa y los vertederos emiten metano
- La producción de papel disminuye la absorción de CO2 de la atmósfera debido a la deforestación.



Frena el Calentamiento Mundial

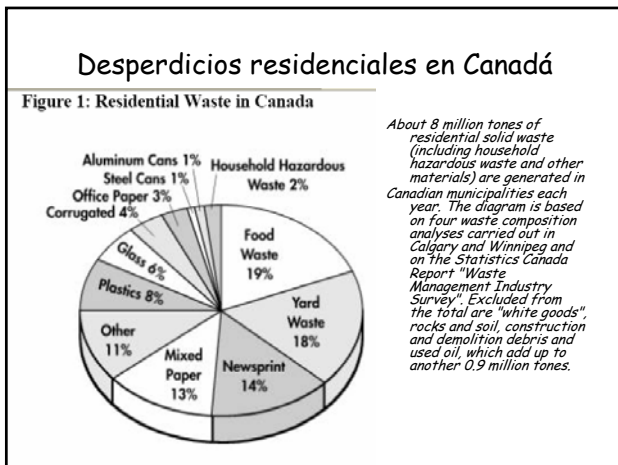
Cada vez que compramos envases de plástico, vidrio, aluminio, papel, y otros estamos enviando emisiones como CO₂ a la atmósfera que la **calientan** aún más.

Recicla, Reusa y Reduce:

- **Cartón**
- **Plástico**
- **Latas de aluminio**
- **Botellas de vidrio**
- **Baterías**
- **Agua**
- **Aceite de cocinar**
- **Hojas secas**
- **Metano**
- **Mbytes**

Centro de reciclaje en Cabo Rojo:
 Compra Aluminio, vidrio y cartón
 No acepta plásticos.

Oil Energy 832-5757
 Recicla aceite usado
 Ponce Resources en Mayaguez
 824-3503



Cartón

- Es fácil de reciclar
- Reduce deforestación
- Los árboles absorben CO₂

The top image shows a large pile of cardboard boxes, some flattened and some still in their original shape. The bottom image shows a cardboard box being placed into a recycling bin.

Metano

- El gas metano es 20x peor que CO_2
- Se podría capturar y usar como combustible renovable.
- Come menos carne



Vertederos producen Metano

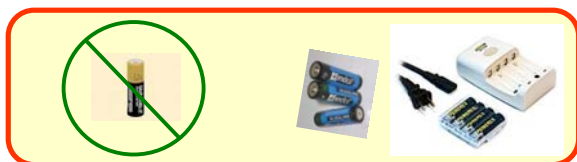


Ganadería produce gas Metano

Baterías Recargables

Comparación Costo [4 AA y 4 AAA]

AHORRAS \$850+ por cada 8 baterías recargables !!



Seven Misconceptions about Plastic and Plastic Recycling

Misconception # 1: *Plastics that go into a curbside recycling bin get recycled.* Not necessarily. In fact, none of the recovered plastic containers from Berkeley are being made into containers again but into new secondary products such as textiles, parking lot bumpers, or plastic lumber - all unrecyclable products. This does not reduce the use of virgin materials in plastic packaging.

Misconception # 2: Establishing collection makes plastic packages seem more environmentally friendly, people may feel comfortable buying more. Curbside plastic collection programs, intended to reduce municipal plastic waste, might backfire if total use rises faster than collection.

Misconception # 3: Packaging resins are made from petroleum refineries' waste. - Plastic resins are made from non-renewable natural resources that could be used for a variety of other applications or conserved. Most packaging plastics are made from the same natural gas used in homes to heat water and cook.

Misconception # 4: Plastics recyclers pay to promote plastics' recyclability. No. Most such ads are placed by virgin plastic manufacturers whose goal is to promote plastic sales.

Misconception # 5: Using plastic containers conserves energy. When the equation includes the energy used to synthesize the plastic resin, making plastic containers uses as much energy as making glass containers from virgin materials, and much more than making glass containers from recycled materials. *Using refillables is the most energy conservative.*

Misconception # 7: Our choice is limited to recycling or wasting. Source reduction is preferable for many types of plastic and isn't difficult. Opportunities include using refillable containers, buying in bulk, buying things that don't need much packaging, and buying things in recyclable and recycled packages.

Five Strategies to Reduce the Environmental Impact of Plastics

- 1. Reduce the use**
Source reduction Retailers and consumers can select products that use little or no packaging. Select packaging materials that are recycled into new packaging - such as glass and paper. If people refuse plastic as a packaging material, the industry will decrease production for that purpose, and the associated problems such as energy use, pollution, and adverse health effects will diminish.
- 2. Reuse containers**
Since refillable plastic containers can be reused about 25 times, container reuse can lead to a substantial reduction in the demand for disposable plastic, and reduced use of materials and energy, with the consequent reduced environmental impacts. Container designers will take into account the fate of the container beyond the point of sale and consider the service the container provides. "Design for service" differs sharply from "design for disposal".
- 3. Require producers to take back resins**
Get plastic manufacturers directly involved with plastic disposal and closing the material loop, which can stimulate them to consider the product's life cycle from cradle to grave. Make reprocessing easier by limiting the number of container types and shapes, using only one type of resin in each container, making collapsible containers, eliminating pigments, using water-dispersible adhesives for labels, and phasing out associated metals such as aluminum seals. Container and resin makers can help develop the reprocessing infrastructure by taking back plastic from consumers.
- 4. Legislatively require recycled content**
Requiring that all containers be composed of a percentage of post-consumer material reduces the amount of virgin material consumed.
- 5. Standardize labeling and inform the public**
The chasing arrows symbol on plastics is an example of an ambiguous and misleading label. Significantly different standardized labels for "recycled," "recyclable," and "made of plastic type X" must be developed.

¿Qué compro?

Empaques reducidos
Productos Concentrados
Botellas de vidrio
Botellas re-usables
Evita individually wrapped!



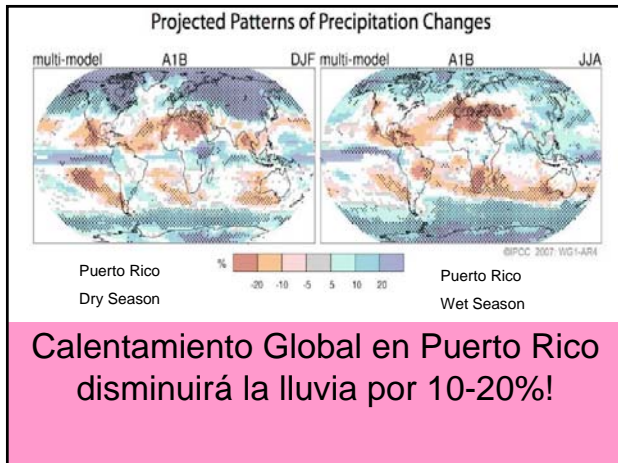
Ventajas:
¡Pesan menos y mientras más pequeños menos emisiones se generan al producir sus empaques!

Agua

Al ahorrar agua, ahorramos \$ y emisiones de CO_2

- Reduce uso de agua
- Lava el auto sobre el césped.





Reforestación

Siembra árboles

1. Bajan la temperatura del hogar hasta 10° F!
2. Aumentan valor de la propiedad.
3. Absorben Co2

***El Fideicomiso te regala 200 árboles gratis!**

MBytes

- Ahorra materiales y energía

Name	Size
PR_Genera_compress.ppt	4,439 KB
PR_General_Info .ppt	1,579 KB
PR_General_Info jpeg y compresspix.ppt	959 KB
PR_General Information.ppt	22,240 KB

Composta

- Reciclaje de hojas, y otras desperdicios
- Es mejor para tu salud y para el ambiente.

Uso de Papel

- ¡Imprime por ambos lados!
- Suscríbete a revistas digitales
- Elimina Junk mail
- Usa papel reciclado

Evitas que corten millones de árboles

THE WORLD BANK GROUP

By using this napkin, the World Bank Group Food Services is proudly saving valuable natural resources annually.

- *269 Trees
- *110,000 Gallons of Water
- *47 Cubic Yards of Landfill Space
- *65,000 Kilowatt Hours of Electricity
- *945 Pounds of Greenhouse Gas Emissions

GSD

100% Recycled Paper • 100% Soy based Ink • 100% Bleach-Free Process

Uso de esta servilleta hace una gran diferencia anual al ambiente.

Styrofoam

No es biodegradable, está prohibido en muchas ciudades de EEUU
Genera muchos gases tóxicos y CO_2 durante su manufactura.

- Petición a la cafetería a que use vajilla plástica o Corelle, o al menos platos de cartón.
- La cafetería puede ahorrar \$
- Dar incentivo para el uso de plásticos REFILL para café, refrescos.

Los enseres eléctricos aún
APAGADOS GASTAN energía



Se llaman **Cargas Fantasma**!!

Cargadores



- iNo dejes el cargador del celular o de la laptop conectado si no lo estás usando!

Referencias

- Opportunities for Reducing Greenhouse Gas Emissions through Residential WasteManagement, by: Environment and Plastics Industry Council (EPIC), March 2002
- <http://container-recycling.org/zbcwaste/enviro.htm>
- <http://www.ecologycenter.org/ptf/index.html>
- <http://www.mindfully.org/Plastic/Biodegrade/Green-PlasticsAug00.htm>
- ladpw.org/epd/sg/bc.cfm