# Philippine Climate Change Awareness Raising Initiatives

Carmelita M. Passe

Media Production Specialist III
Inter-Agency Committee on Climate Change Secretariat
Environmental Management Bureau

### **Quick Facts**

□ Area: 300,000 km²

Archipelago: 7,107 islands

□ Population: 88.57 M

(Aug 2007)

12th most populous

□ Labor force: 50% services

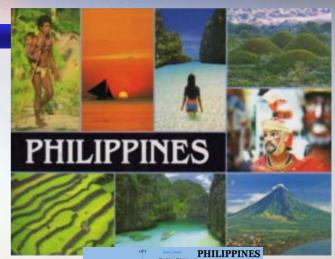
(36.2 M, 2007 est) 35% agriculture

15% industry

Administrative divisions:

17 regions, 81 provinces

 One of the most mega-diverse countries of the world





### **Institutional Arrangements**

- Inter-Agency Committee on Climate Change (IACCC)
  - Created on May 8, 1991 by virtue of Pres. Administrative Order No. 220 to serve as the national coordination mechanism and administrative machinery for the implementation of the Philippines' commitments to the UNFCCC; Co-chaired by the DENR and DOST
- □ The Designated National Authority (DNA) for CDM in the Philippines
  - Pres. Executive Order No. 320 designated the DENR as the DNA for CDM on June 25, 2004

## **Institutional Arrangements**

#### Presidential Task Force on Climate Change

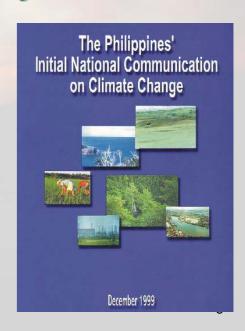
Created on February 20, 2007 by virtue of Pres. Administrative Order 171 to oversee all matters related to climate change. The DENR Secretary as Chair; Chairmanship transferred to the Department of Energy by virtue of Pres. Adm. Order No. 171-A.

# ■ Reorganizing the Presidential Task Force on Climate Change

Enacted thru Executive Order no. 774, the President of the Philippines shall serve as Chair.

# Preparation of the Philippines' Second National Communication on Climate Change (SNC)

- Through the current project on the Enabling Activity to Prepare the Second National Communication (SNC) on Climate Change, it is expected that the gaps and needs identified in the Initial National Communications will be addressed to be able to come up with a more complete and substantive GHG emissions inventory.
- It shall also cover the following:
  - Measures to Facilitate Adequate Adaptation to Climate Change
  - Measures to Mitigate Climate Change
  - Transfer of Technology
  - Research and Systematic Observation
  - Information, Education and Training Efforts
  - Other information

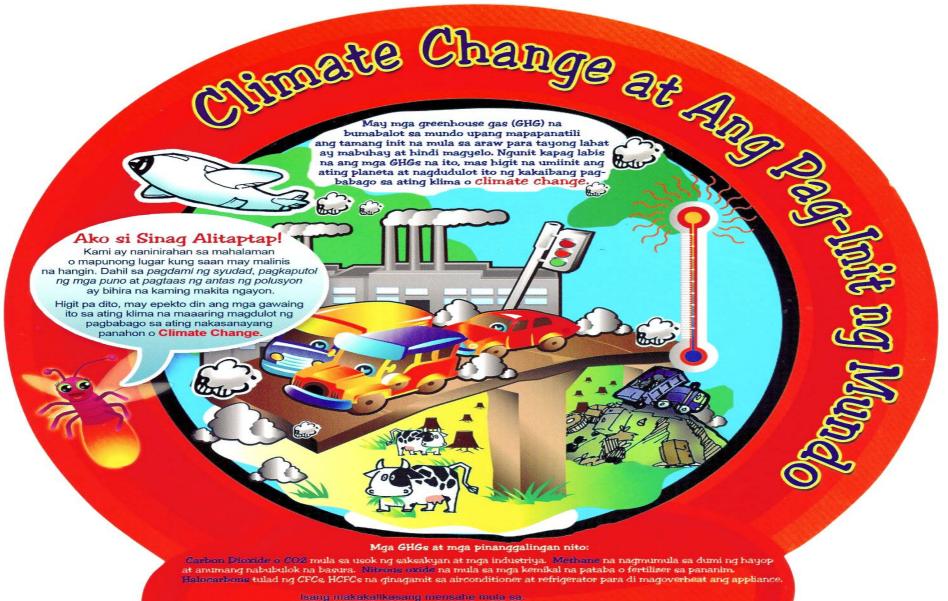


#### Government

#### **Environmental Management Bureau- DENR**

- Conduct of roundtable/focused-group discussions and consultations
- Conduct of lectures in academic institutions, symposia, seminars, training-workshops
- Conduct of exhibits and video showing
- Participate in interviews in both TV and radio programs/talk shows
- Feature articles and press releases in national newspapers and magazines

- Development of Information Materials
  - Philippines' Initial National Communication on Climate Change
  - Primer on Climate Change
  - Poster-Calendars
  - Fact Sheets on climate change and the CDM
  - Production of a video documentary on climate change



Fan

Francisco de Engliscomo



United Nations evelopment Programme



## Ang ilan sa maaring epekto ng pagbabago ng klima o **Climate Change**

 Magdudulot ito ng epekto sa ating kalusugan. Maari din ito maging sanhi ng hika, sakit ng ulo at mga sakit sa balat.



 Dahil din sa labis na antas ng temperatura natutuyo ang mga bukirin at nasisisra ang mga pananim na nagdudulot ng kakapusan ng suplay ng pagkain.

 Kapag lalong umiinit ang mundo maaaring lumalakas ang mga bagyo na magdudulot ng napakalakas na buhos ng ulan at pagbaha.  Maaari ding mas dumami ang mga sakit na galing sa lamok tulad ng Dengue at Malaria dahil mabubuhay ang mga lamok sa mainit na lugar.



Sa pangkalahatan, ang temperatura ay may kinalaman sa pag-init o paglamig ng ating kapaligiran, pagbago-bago ng panahon, pagbago ng lakas ng dating ng pag-ulan at pagtaas ng tubig sa karagatan.

Ang mga ito ay may kinalaman sa pagbabago

ng klima o climate change

#### Huwag mabahala,

ito ang mga munting hakbang upang mabawasan ang iyong GHGs.



 Bawasan ang paggamit ng sasakyan. Maki carpool, magbisikleta o kaya'y maglakad paminsan-minsan. Mainam ang ehersisyo sa katawan.



 Ugaliing mag-recycle at maghiwahiwalay ng basurang nabubulok at di nabubulok. Ang basura ay pinagmumulan ng GHGs.



 Magtanim ng puno at halaman sa bakuran upang magsilbing tagasipsip ng GHGs.



 Magdala ng sariling bag o lalagyan kapag namimili sa grocery o palengke. Bawasan ang basura dulot ng plastic bag.

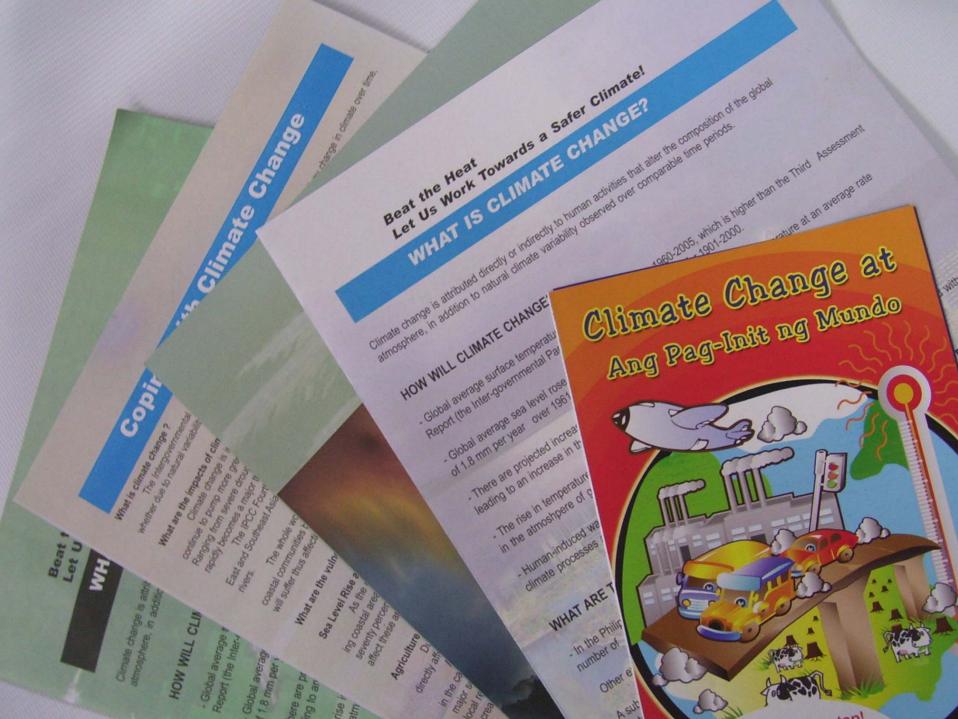


 Ugaliing magsara ang mga ilaw at hugutin sa saksakan ang mga appliance kapag di ginagamit. Kumukunsumo parin sila ng kuryente.



 Gumamit ng mga makabagong energysaving na bumbilya.

## Fan





Kapag lalog umiinit ang

ang mga ligyo na nag-

mundo maaring lumalakas

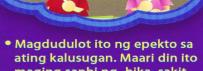
dudulot n napakalakas na

buhos ng lan at pag-baha.

ng klima o Climate



- maging sanhi ng hika, sakit ng ulo at mga sakit sa balat.
- Maaari ding mas dumami ang mga sakit na galing sa lamok tulad ng Dengue at Malaria





# Makialam sa iyong kinabukasan. Tara na, maki-iba!



#### Brochure



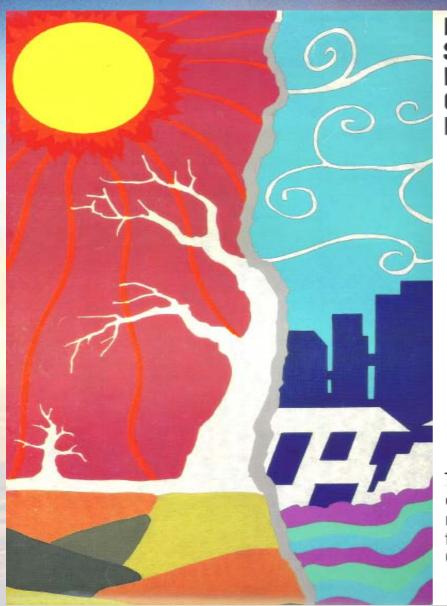
Isang makakalikasang mensahe mula sa:





United Nations Development Programme





# BURNING SUMMERS... STINGINGLY COLD WINDS.. DEVASTATING DROUGHTS.. CATASTROPHIC TYPHOONS FLOODED CITIES...

These are among the manifestations of climate change phenomenon. These promp nations of the world to jointly address the mat through the 1992 United Nations Framew Convention on Climate Change.

# Conduct of Special Events such as the Battle of the Bands 2008 "It's Not Cool to be CO2!!"



- CDM promotion efforts
  - Development of CDM country guide
  - Published the DNA CDM brochure
  - Printing of CDM Country Fact Sheet
  - Conduct of Investment Road Show
  - Establishing linkages with relevant government institutions and private/business sector agencies

- IEC on CDM for stakeholders
  - Establishment of a CDM clearinghouse
    - www.cdmdna.emb.gov.ph
  - Development of a manual on GHG Emission Reduction Monitoring and Reporting Guideline
  - Development of a manual on the Emission Reduction Purchase Agreements (ERPA): A Seller's Perspective
  - Printing of a one-pager CDM Basics
  - Continuing efforts on promotion and capacity building on CDM through lectures, seminars and training-workshops

## Department of Agriculture

Climate change adaptation and mitigation are promoted along with the advancement of agricultural technology.

## **Department of Energy**

- Earth Hour Manila 2008 and 2009 (in collaboration with WWF)
- Ceremonial launching of SWITCH, a program encouraging the shift to efficient lights, alternative fuels, and renewable energy
- Publications on energy conservation

# Philippine Atmospheric, Geophysical and Astronomical Services Administration

- Conduct of climate change forums
- Publication of brochures, posters, briefing papers and the Weather Situation Outlook and Seasonal Climate Outlook

#### **Local Government**

#### **Province of Albay**

- National Conference on Climate Change Adaptation The conference brought together high level government officials led by the President herself, academics, researchers, NGOs, the business sector, local community representatives, and the donor community. Among the topics discussed were the current situation in climate disaster prone areas in the country, the needs of the local communities, infrastructure modifications, and what strategies we can do to adapt to a changing climate.
- A key output of the conference was the "Albay Declaration on Climate Change Adaptation" mainstreaming climate change into local and national development policies.

#### **Senate**

Senator Loren Legarda produced "Rains in Summer: A Documentary Drama on climate Change".

It tackles the social, economic, and health impacts of climate change.

#### **Non-Government Organizations**

#### Philippine Network on Climate Change

- Alliance of NGOs
- Member of Inter-Agency Committee on Climate Change
- Involved in the advocacy of climate change and sustainable development
- Produced brochures and primers and conducts seminars for various audiences

#### Media

#### **GMA News and Public Affairs**

Produced a television documentary, Signos: Banta ng Nagbabagong Klima (Fatal Signs).

The documentary investigates local manifestations of climate change in the Philippines.

High public demand prompted the network to air the documentary again on television.

#### Media

#### **News and Feature Articles**

#### Economy to feel impact of recent calamity-experts

THE Philippine economic growth target may be cut this year because of the impact of tropical storm Ondoy and may dampen the Christmas season, experts said Tuesday.

Augusto Santos said the economy, as measured by gross domestic product (GDP), may be reduced to be tween 0.7 percent and 1.7 percent this year. He is the acting Socioeconomic Planning secretary and director general of the National Economic and Development Authority (NEDA).

GDP, a key economic indicator, is the total value of al final goods and services produced in a country in a year.
The government targets a GDP growth ranging from
0.8 percent to 1.8 percent this year. The economy in the first half grew by only 1 percent, lower than the 4-per-cent growth in the same period last year.

"Using the latest available figures from the National Dis-aster Coordinating Council and the NEDA Regional Offices

and Office of Civil Defense on the impact of damages caused by . . . [tropical storm] Ondoy, our pre-liminary estimate shows that the recent storm could reduce the real GDP growth rate in full year 2009 by at least 0.043 percentage points," Santos said.

He added that Ondoy (international name Ketsana) damaged P108.9-million worth of infrastructure and crops and affected about 90,000 families as it brought a 40-year record-breaking 41.6-centimeters total rainfall in a single day (the revious record was 33.4 centimeters in July 1967)
But Dennis Arroyo, director of NEDA's nationa

planning and policy staff, said that overseas Filipino workers inflows have been stronger than expected.

The government forecast is flat growth, or 0-percent growth from 2009. In actual fact, growth is 3.8 percent so far, or from January to July 2009," he added. "We are maintaining the 0.8 [percent] to 1.8 percent forecast for 2009.

Budget-vs. climate change

Also on Tuesday, a civil society group urged Con-gress to allocate P11.4 billion additional fund ng in the 2010 national budget to sible disasters that may be wrough weather conditions caused by cli-such as tropical storm Ondoy.

Former national treasurer Leonor convenor of Social Watch Philippines that "the Philippines is naturally pro change and the safety of many people marized in three words: 'Climate Chang

The Alternative Budget Initiative sortium of 60 nongovernment orga by the SWP, has been calling for n measures since 2006

"The wrath of Ondoy should serv up call for government to be climate sitive and to finally adopt the budge

change mitigation and adaptation the ABI's environment group," Brio ABI proposed that the government total of P11.4 billion in certain items in th in order to become "climate change sea

Among the suggested items to be using the suggested amount include change action framework and plan; mate change initiatives in the top provinces; harmonization of existi to a national climate change action and plan; climate change actions w riculture sector; orientation of Envi partment's programs, operations a toward climate change actions; an

programs responding to climate-rela DARWIN G. AMOJELAR, CHINO ARNOLD O. DE VERA AND FRANK LLO

#### Climate change 'di na biro

Hindi na biro ang climate change kaya dapat nang magtulungan ang lahat ng mamamayan para pangalagaan ang kapaligiran.

Ito ang panawagan ng mga kongresista na ayay of climate change adaptation and nang manisi ngayon kung sino ang nagkulang sa FOR THE FIRST TIME IN ALMOST 30 TRARS, ahensya ng gobyerno kaya naranasan ng Metro M floodwaters have managed to enter our home, and ang tinaguriang "great flood".

Ayon kay Gabriela party-list Rep. Luzviminda II hold are frantically packing up stuff in our bedrooms to be elevated in case the water manages to dapat aniyang magising na ang lahat, hindi laman breach the two steps leading up to them. In fact, if gobyerno kundi lahat ng tao, sa perhuwisyong idi the continuous rain from Typhoon Ondoy continues ng bagyong si Ondoy.

"Mukhang grabe na ang climate change at hin ma-predict ang lakas ng bagyo," pahayag ni Ilagar home when we had it built a few feet above street

"Mukhang matindi na rin ang pagkasira ng kabi level. We had taken the precaution because it was kan kaya 'yung konting ulan sa bukid, malaki ang e original Mandaliyong home. That house, which belonged toging thusband sefamily and where he

Maliban dito, posible aniyang barado na ang lak kanal sa Metro Manila kaya madaling umapaw ang kanal sa Metro Manila kaya madaling umapaw ang myhateneri a tyhon or a beaw sual struck at mabagal ang pagbaba nito. "Maaaring sobra n to the niversite to report back on low high the wabara sa mga daanan ng tubig kaya mabilis ang pag. ter level had risen. In the three or so years I lived there, I remember instances when we woke up afng mga ilog," ayon pa sa mambabatas.

Dahil dito, umapela ang mambabatas sa mga t disiplinahin ang sarili sa pagtatapon ng basura lalo the dark water. Affer the last flood; my sister-in-law finally convinced us to this village in Metro Manila kung saan kaliwa't kanan ay mayi Antipolo, where we presumed the floods would be mga makikitang mga dumi na itinatapon ng mga t

Nais naman ni Kabataan party-list Rep. Ray! WE were, to say the least, totally unprepared Palatino na ituro na sa mga eskuwelahan ang ta pagtatapon ng basura.

"Puwedeng simulan sa elementary schools ang ta disposal ng basura, na huwag magtapon ng basura kitis morning, we woke up to find our dirty disposal ng basura, na huwag magtapon ng basura kitchen flooded, while the water steadily besaan, na kapag may basurang makita, damputin at ilag gan seeping through the kitchen door. We ate lunch with our feet soaked ankle-deep tamang lalagyan," ani Palatino, (Bernard Taguino in chilly water, Now, two hours later, the water

#### Bringing home the lesson of global warming

as of this writing have reached knee high at ground level. As I write this, other members of the houseunabated, we face the prospect of spending the night in the house's only second-floor bedroom.

It is a development we had never foreseen, confident that we had sufficiently protected our precisely the floods that had driven us out of our had spent his adolescence, stood just a block or so from the Pasig River.

ter a night of heavy rain to find the ground level inundated, with furniture and appliances floating in

for this eventuality. Often we would watch with fascination as the water on the street ros past the sidewalk, secure in the knowledge that our extra elevation would protect us. But

has risen knee-high and water has slowly begun to flow into my daughter's room. Sudder have been sent packing, improvising with chairs and tables and plastic bins to keep our valuables



lies living in Sampaloc who've been so inured to periodic floods that they've set up pulley systems dumping in the nearby creek. Stilla it is an eerie so that the minute floodwater poured into their homes, they could raise their major appliances and furniture without too much effort.

With some sympathy, I recall the many news reports about urban poor families forced to evacuate their shanties after these flimsy shelters had been immersed in water. We may not be forced into such desperate straits-yet I've just made a mental note never to look scornfully on such hurried evacuations again Now I know how it feels to be forced out of your I NO longer feel much like making jokes like comfort zone, suddenly wading into murky wa- this. It surely is no laughing matter And the

and next-door neighbor reports, some resi-dents aren't even able to get to their homes. and so have elected to wait out the floods in nearby fast-food places and supermarkets.

"IT'S the environment," my husband muttered as we surveyed with dismay our flooded dining

Indeed, how could it happen that even here, a relatively elevated portion of the metropolis, we have had to deal with floods in our living room. dining room and in our bedrooms? It has taken 30 years, but the horrors that drove us out of Mandaluyong have now come a-visiting.

Everyone talks of global warming and the farreaching consequences of rising ocean levels and gard for the state of the planet we call home.

melting polar ice caps. I remember former Environment Secretary Bebet Gozun presenting a com-puter mock-up of what would happen to Metro Manila should the trend of rising sea levels continue. I didn't even care to look at the Marcos High way area, even as Navotas, Malabon and Caloocan were shown nearly underwater. We were beyond (or above) the dange 'evel-I thought.

Come to think of it the floods in our neighbor hood may not be some ich a consequence of rising dumping in the nearby creek. Still, it is an eerie portent of things to come. Global warming brought home, literally.

I dread the scenario in the next 30 years. For I tell you, I'll never, take for granted living in sure, the next prolonge drains will have us scamper a safe and dry home ever again. ingre bring our appliances and imming our of the ing to bring our appliances and furniture out of water's reach. Maybe we'll evolve coping med nisms like those hardened families in Sampaloc with their pulley systems. Or we'll move for good to Tagaytay, for as we used to say, with some humor, when floods threaten even that house, then that means the rest of Luzon must be underwater.

ter inside your own home, facing a night spent truly funny thing is that despite our current in-in cramped quarter.

Elsewhere in the village, my brother in law feeting manifestation of the widespread dan-

gers of global warming.
I'm sure residents of Kiribati and the Maldives, island-nations whose very existence are threatened by the ever-rising ocean levels. would think our anxieties of not much import or gravity. But maybe it does take floodwaters in our homes to bring home the point of global warming. That it's not only island-nations o coastal communities under threat, but ever urban middle-clas; amilies, comfortable in the stability of their homes of poured concre and strong roofs, in their villages of paved streets and drainage systems, shaken out of complacency by the reality of our continued neglect of the environment, our careless disre-

#### **Industry**

#### **Philippine Chamber of Commerce and Industry**

- Called on its members to participate in the Earth Hour 2009
- Its environmental advocacy website features "ways to beat the heat"

#### **League of Corporate Foundation**

Prepared a beginner's guide to tree planting for its members

#### **Philippine Business for Environment**

- Initiated climate change advocacy activities such as the multisectoral Philippine (Climate) Imperative, the Sustainable Production and Sustainable Consumption through Green Procurement
- Promotes eco-products and sits as a member of the National Ecolabeling Board.

#### **Research Institutions**

#### Klima Climate Change Center

Established in 1999 as a joint venture of the Inter-Agency Committee on Climate Change (IACCC), the Department of Environment and Natural Resources (DENR) and the Department of Energy (DOE) under the Philippine Climate Change Mitigation Program with funding assistance from the United States Agency for International Development (USAID).

#### Klima Climate Change Center

- Undertook a major campaign called "Be on a Low Carbon Diet", which taught its target audience the importance of reducing GHG emissions and adopt an alternative lifestyle.
- Talks/presentations at events
- Media briefings

#### Pulse Asia Inc.

- An enterprise launched by professional academics with acknowledged expertise in their respective fields of study.
- Dedicated to monitoring salient socio-economic, political and cultural issues in the minds of the Filipino public.

#### **Results of Survey**

- About four in ten Filipinos claim to have either sufficient
   (42%) or little (39%) knowledge about climate change
- A small majority of Filipinos (58%) believes there has been a big change in the climate in their place over the past three years; nearly the same percentages consider climate change to be dangerous for the environment (61%) and their families and themselves (62%)
- Around one in two Filipinos (54%) attributes the recent calamities in the Philippines and other parts of the world to humankind's destructive ways

# THANK YOU!