

OUTLINE

- Introduction
- What is the threat the scientific basis of climate change
- How are we threatened the impacts of climate change
- Assessing Risk: What is being threatened (exposure), to what degree (vulnerability)





Range of threats



- By 2025 climate change will result in 1.4 billion people across 36 countries facing crop or water scarcities (WB)
- By 2050, 200 million people may be permanently displaced climate migrant
- Regional differences in agricultural production are likely to become more pronounced in developing countries by 2025
- Increasing sea levels, recurring floods or droughts could lead to a large scale displacement of population from small island states and flood prone nations



















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At present, 16.67 percent of Metro Manila's 63,600-hectare total land area about 10,600 hectares — is flood-prone.

> However, Fano said, there are natural and man-made factors contributing to the flood problems. The usual 20 tropical cyclones or typhoons entering the Philippines yearly induce about 5,000 millimeters of

The DPWH estimated that 40 kilometers of the original *esteros* have been built over or filled.

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Warmer World:	EFFECTS OF CLIMATE CHA	
precipitation concentrated into more intense events	Warmer days. Less cold days/nights	Virtually certain
llonger periods of little precipitation in between	More warm spells and heatwaves	Very likely
Intense, heavy downpours interspersed with longer	More heavy rain events	Very likely
relatively dry periods. Modelling studies: future	More areas hit by drought	Likely
tropical cyclones could become more severe, with greater wind speeds more	More intense tropical cyclones	Likely
intense precipitation."	More extreme sea levels (not tsunamis)	Likely
Clima	te Change 2007: Working Group I: The Phy	sical Science Basis

















IMPACT: Agriculture, Food security

































OFFICE DIET TIPS			
Low Carbon Diet Tips	CO 2 Reduction	Equivalent CO2 Reduction	
Recycle office paper.	4 kilograms (for every kilogram of paper recycled).	4 kg of CO 2 is equal to saving 2 liters of gasoline.	
e sure to turn off lights in offices and conference boms when they are not in use.	Hundreds of kilograms a year.	Equal to planting at least 44 trees.	
urn off office equipment when it is not needed at ight or on the weekends.	Hundreds of kilograms a year.	Equal to planting at least 44 trees.	
f your company's computers are on a network and an't be shut down at night, at least turn off the nonitors.	About 45 kilograms a year.	45 kg of CO 2 is equal to saving 19 liters of gasoline.	
LIFESTY	LE-DIET TIPS		
Low Carbon Diet Tips	CO 2 Reduction	Equivalent CO2 Reduction	
Unplug all unused appliances from their socket (any appliance that is in "standby" mode is still using up energy).	Hundreds of kilograms a year.	Equal to planting at least 44 trees.	
Whenever practical, walk, bike and take public transportation instead of driving.	2 kilograms for every liter of gasoline you save.	2 kg of CO 2 is equal to savin a liter of gasoline.	
Reduce waste.	450 kilograms a year (if you cut down your garbage by 25%).	450 kg of CO 2 is equal to having 150kg of waste recycled instead of landfilled.	















