

CLIMATE CHANGE AND ENVIRONMENTAL DEGRADATION: IMPACT ON POPULATION

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PRESENTATION OUTLINE

- Climate change - concept
- Overview of climate change and environmental degradation linkages
- Impact on population with special reference to Kenya
- Actions for mitigating impact
- Way forward for PPD

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Climate Change - Concept

- Long-term shift in the weather statistics (time series analysis of its averages)
- Changes of temperature and rainfall (including precipitation) for a given place
 - Time of year
 - One decade to the next

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Climate Change – Main Causes

- Two main causes
- Natural variability
 - Atmosphere, water and land interactions
 - Solar radiation reaching the earth
- Human induced change
 - Greenhouse gases especially adding CO₂ to atmosphere
- Human induced change - a major concern

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Climate Change and Environmental Degradation

- Global warming
 - Increased flooding
 - Increased precipitation
 - Melting of ice
- Erosion and Deforestation
 - Degradation of arable land

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Climate Change and Environmental Degradation (cont'd)

- Increased deforestation and droughts
 - Depletion of water resources
- Alteration of natural cycles and ecosystems
 - Increased climate related calamities
 - Hurricanes
 - Land slides
 - Rising sea levels and flooding along coastlines
 - Emergence of diseases

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Impact of Environmental Degradation on Fertility

- Low fertility observed in ASAL regions of Kenya partly attributed to food insecurity, hunger and malnutrition



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Impact of Environmental Degradation on Mortality

- High mortality and low life expectancy
 - Flooding increases water borne diseases and deaths (Budalangi - Kenya)



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Impact of Environmental Degradation on Mortality

- Increase in morbidity and mortality due to malaria
 - Global warming and expansion of mosquito breeding areas (such as Central Kenya)



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Impact of Environmental Degradation on Migration

- ' Environmental refugees'
 - Seeking new opportunities away from floods and drought prone areas (Bundalangi , Eastern Region - Kenya)



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Actions for Impact Mitigation

- Adopt multifaceted strategies sensitive to climate change, environment and population linkages
- Reduce reliance on climate change causing energy resources such as oil
- Combat land degradation
- Improve efficiency in production – change of methods

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Way Forward for PPD

- Reposition family planning to reduce population growth rates
- Support environmental and social initiatives in partner countries (such as Population, Health and Environment Networks)

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**THANK YOU FOR YOUR
ATTENTION**

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