



Presentation prepared for the seminar:

**Cambio Climático y Seguridad
Alimentaria en América Central:
Casos de Estudio de Adaptación**

Jueves 19 de junio
8:30 – 17:00

Salon Centroamérica

*Comisión Centroamericana de Ambiente y Desarrollo
San Salvador, El Salvador*

A photograph of a rural scene. In the foreground, a woman in a purple dress carries a young child on her back. They are walking on a dirt path. To their right, a young girl in a green shirt and red pants is running. Further back, another child is visible. In the background, there is a large haystack and a long wooden building with a corrugated metal roof. Several other people are standing near the building. The sky is clear and blue.

Women's Roles in Climate Change Adaptation and Food Security Efforts

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OVERVIEW

- Part 1: Climate Change and Development
- Part 2: Population/Women and Development
- Part 3: Linking Population/Women and Climate Adaptation
- Part 4: Integrated Food Security Responses
- Part 5: Exercise



Part 1: Climate Change and Development



The impacts of climate change



Source: United Nations Photo



Source: United Nations Photo



Climate Change and Food Security Impacts in El Salvador

Recurrent food and nutrition insecurity is due to increased environmental vulnerability, which impacts food availability, food access and food consumption during and after a disaster. The lack of systems to ensure emergency preparedness among those most vulnerable also increases their recurrent food and nutrition insecurity. In the past ten years, the country has suffered eight major disasters which resulted in the death of 1,984 people and economic losses of US\$3.2 billion. - WFP



Vulnerability and adaptive capacity vary widely



Source: <http://www.wunderground.com/blog/JeffMasters/comment.html?entrynum=1290>



Source: <http://coastalcare.org/sections/inform/page/38/>



Part 2:

Population/Women and Development



Population Dynamics

- Population growth
- Urbanization
- Spatial distribution/migration
- Age structure





Population Growth

- Growth is determined by trends in fertility, mortality, and migration
- In less developed regions, fertility has greatest effect on future population size
- Population projections: embody assumptions about future fertility
 - Medium fertility scenario assumes every country's fertility rate will stabilize close to 2.1 children per woman



Urbanization



- More than half the world's population lives in urban areas
- Most future population growth will be in cities in towns of less developed regions
- Urbanization presents opportunities and challenges for development



Migration

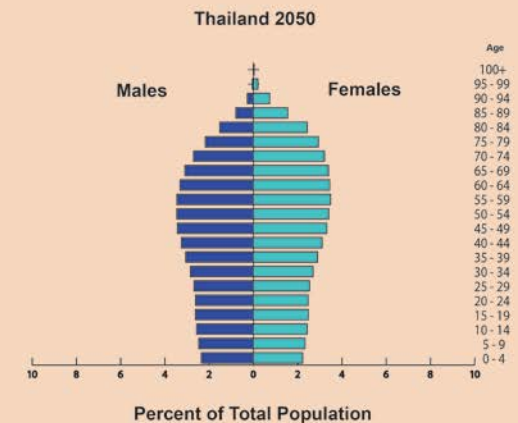
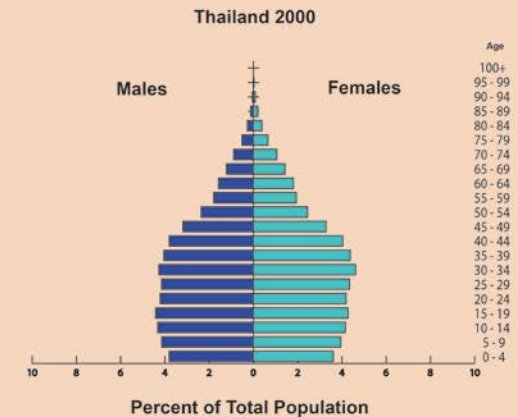
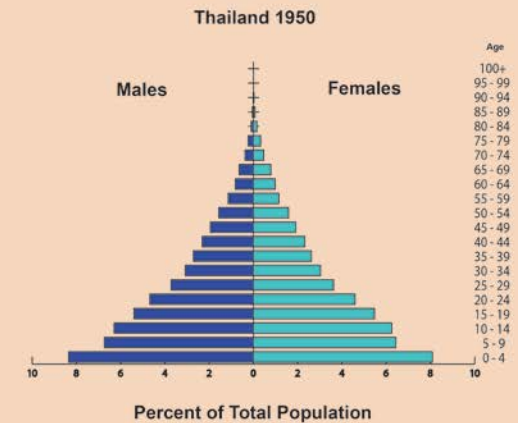
- International and within countries
- Rural-urban migration a major trend in many countries
- Likely to have growing significance for disaster risk reduction strategies and sustainable development initiatives





Age Structure

- Population momentum
- Implications of young population
- Implications of elderly population





Fertility, Reproductive Health and Development

- Fertility carries important considerations for health, education and income
- Fertility outcomes closely tied to:
 - Infant mortality
 - Girls' education
 - Economic opportunities for women
 - Access to reproductive health and family planning services
- Family planning works, but need remains high
- Benefits of girls education



Part 3:

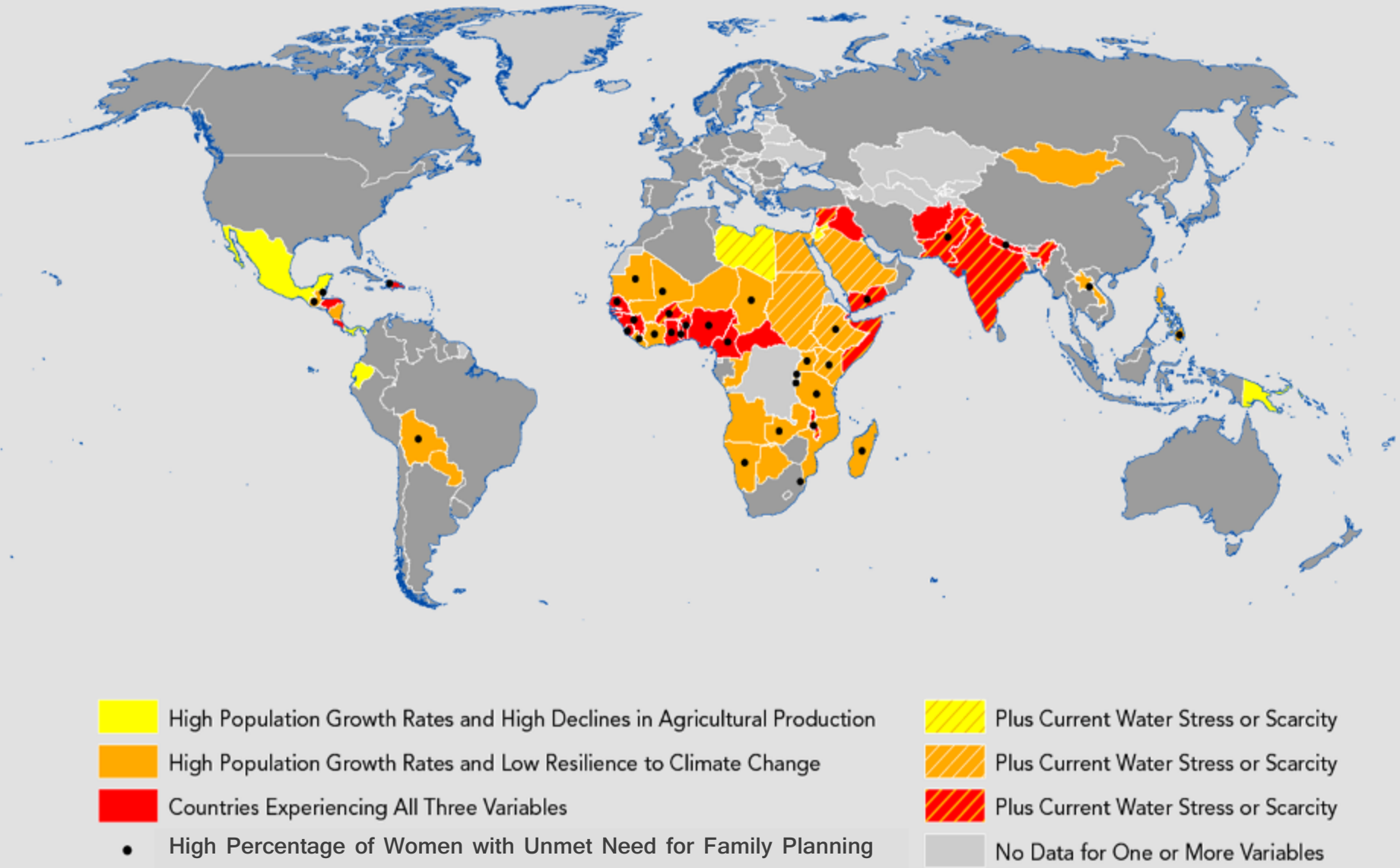
Linking Population/Women and Climate Adaptation



Population trends that matter for climate change vulnerability and adaptive capacity

- Population growth
- Urbanization
- Migration
- Age structure
- Fertility and reproductive health

Family Planning in Population and Climate Hotspots





Urbanization and Disaster Risk





Migration and Mobility





Age Structure/Gender



Photo credits: AFP/Getty Images; and
http://www.fightingmalaria.gov/news/photo_galleries/pmi/photo_01.html





Fertility and Reproductive Health



Photo credit: Kathleen Mogelgaard



Integrated Food Security Responses

- **Population Reference Bureau:**
<http://www.prb.org/Publications/Reports/2012/population-food-security-africa-part1.aspx>
- **Futures Group**
<http://www.cpc.unc.edu/measure/publications/fs-12-71>
- **International Food Policy Research Institute**
<http://www.ifpri.org/publication/west-african-agriculture-and-climate-change>
- **Food for 9 Billion** <http://vimeo.com/66444946>.



Exercise

- **Identify the relevant concepts**

Describe the ways in which ____ (population growth, urbanization, migration, women's empowerment/reproductive health) is relevant for climate change vulnerability/food security concerns in El Salvador.

- **Select the top three issues**

Which linkages would you consider most important? What criteria did you use to determine these were the top three?

- **Summarize discussion for reporting back**

Successes, challenges, as well as any identified gaps or barriers should be highlighted. Please share one or two ideas of how these linkages could be incorporated in your work.