

Population, Health and Environment: Exploring the Connections

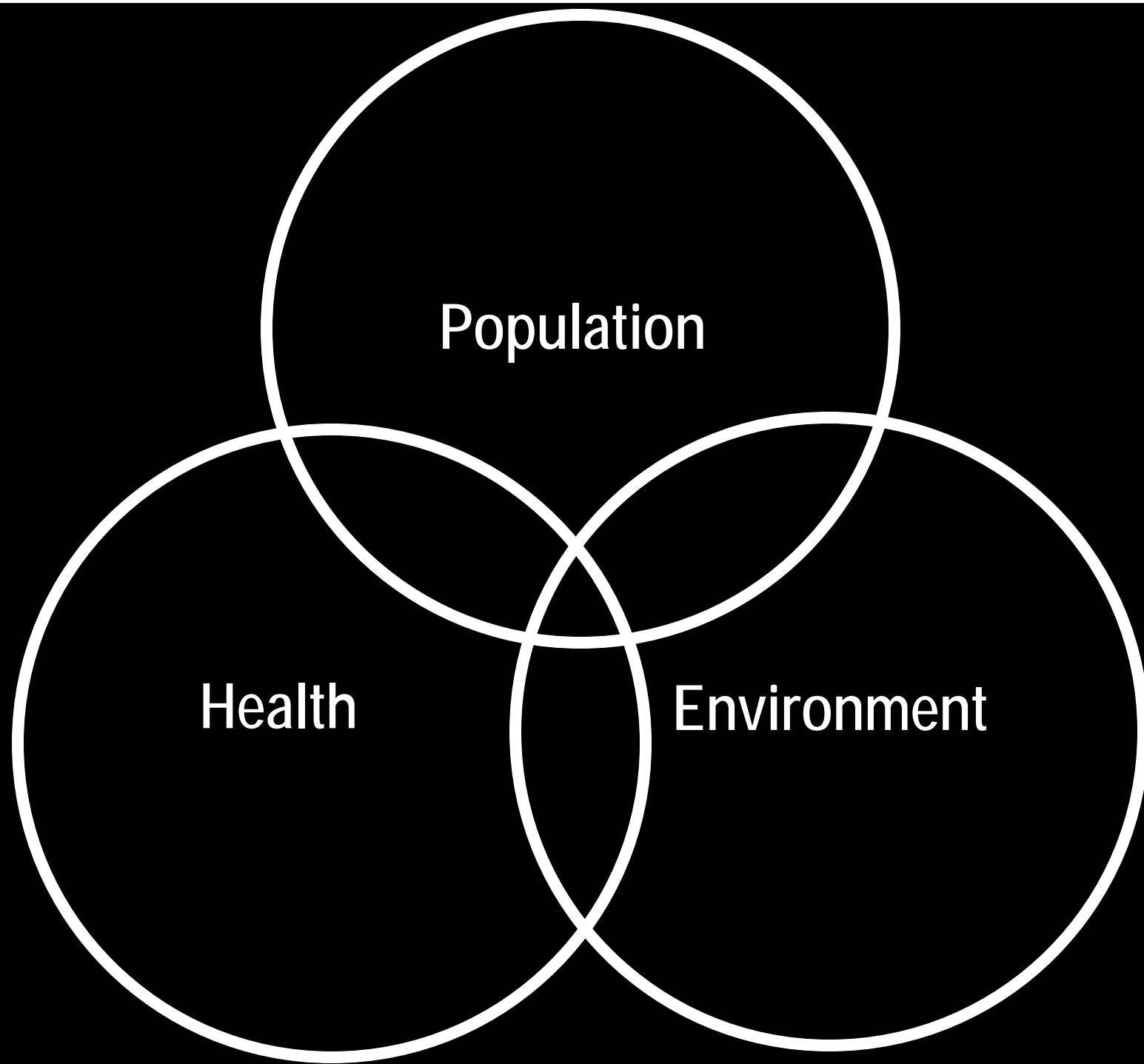


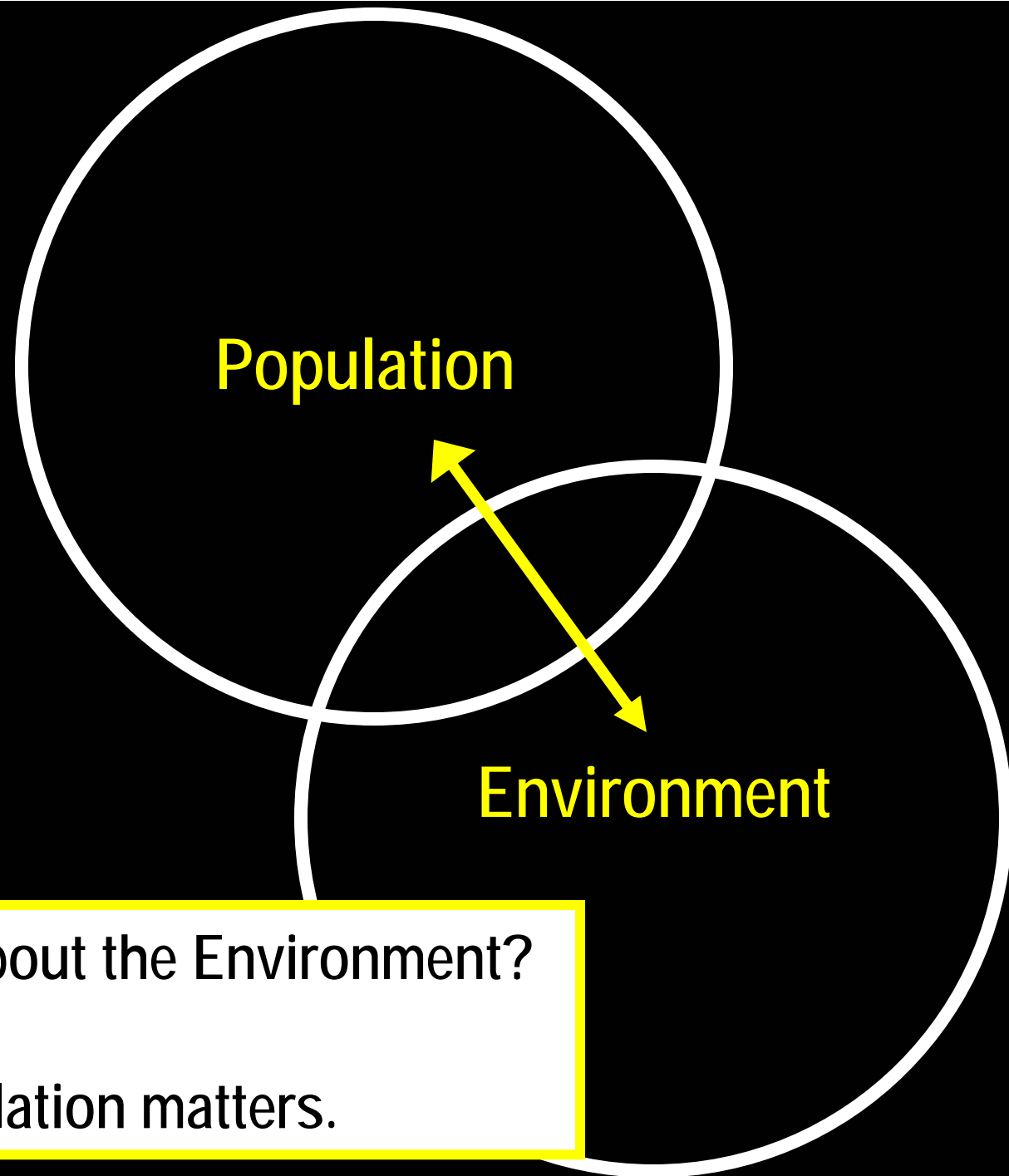
Dr. Lori M. Hunter

Associate Professor of Sociology and Environmental Studies, CU-Boulder

Presentation Outline

- Conceptual Framework
- Illustration
- Rationale
- Foundations
- Tools
- Conclusions



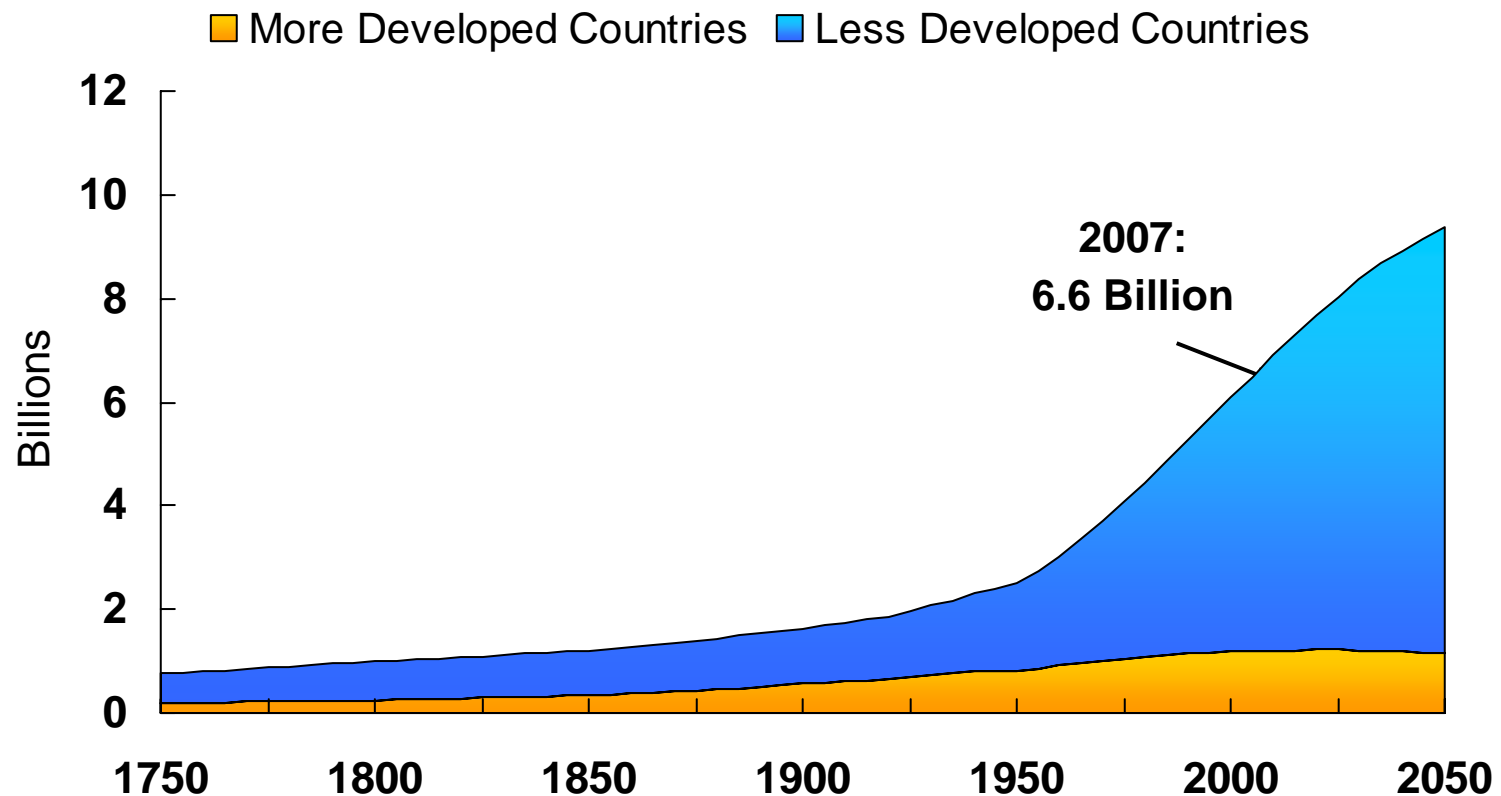


Concerned about the Environment?

Population matters.

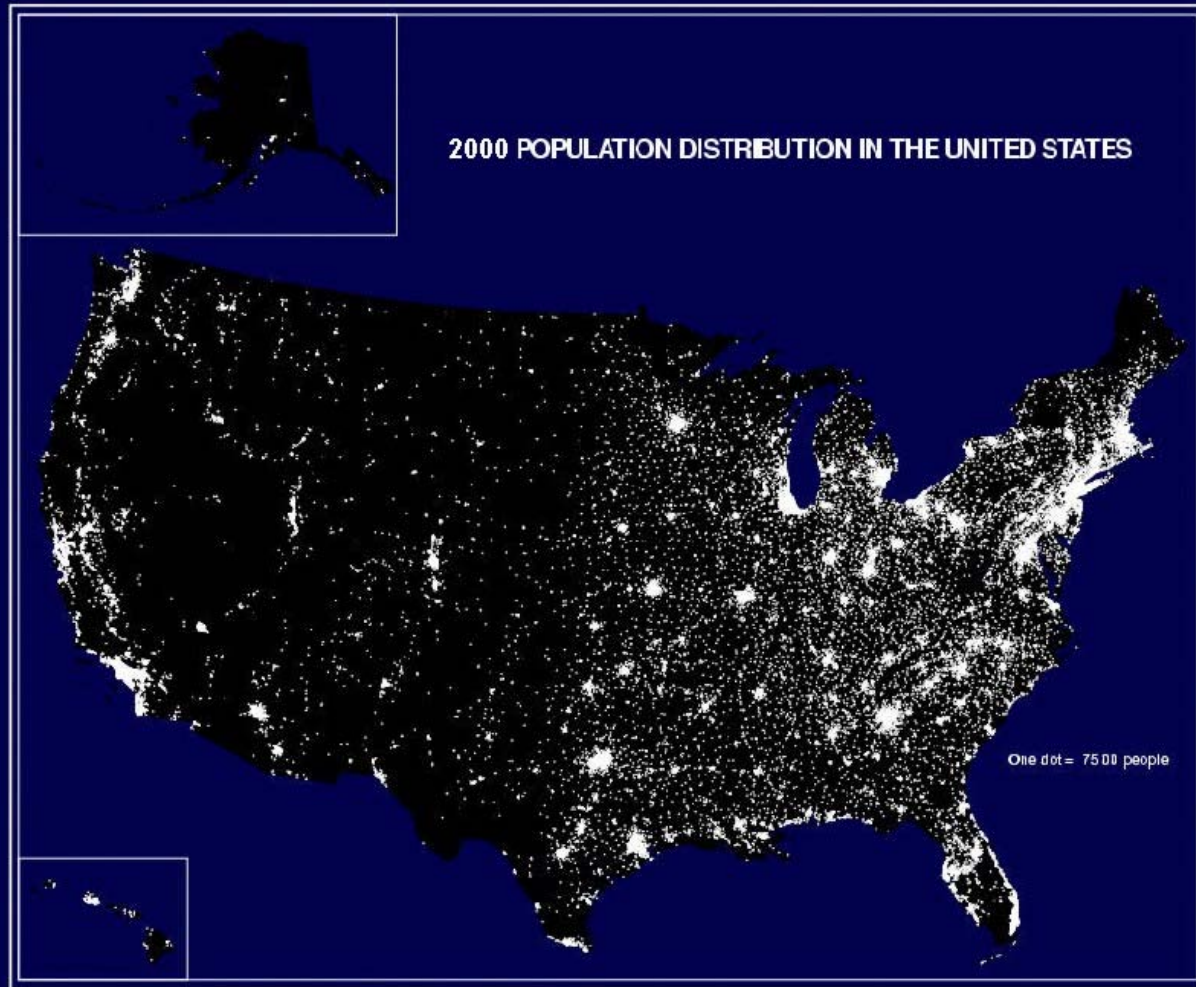
Population Size Shapes Environmental Impact

Population growth, 1750-2050



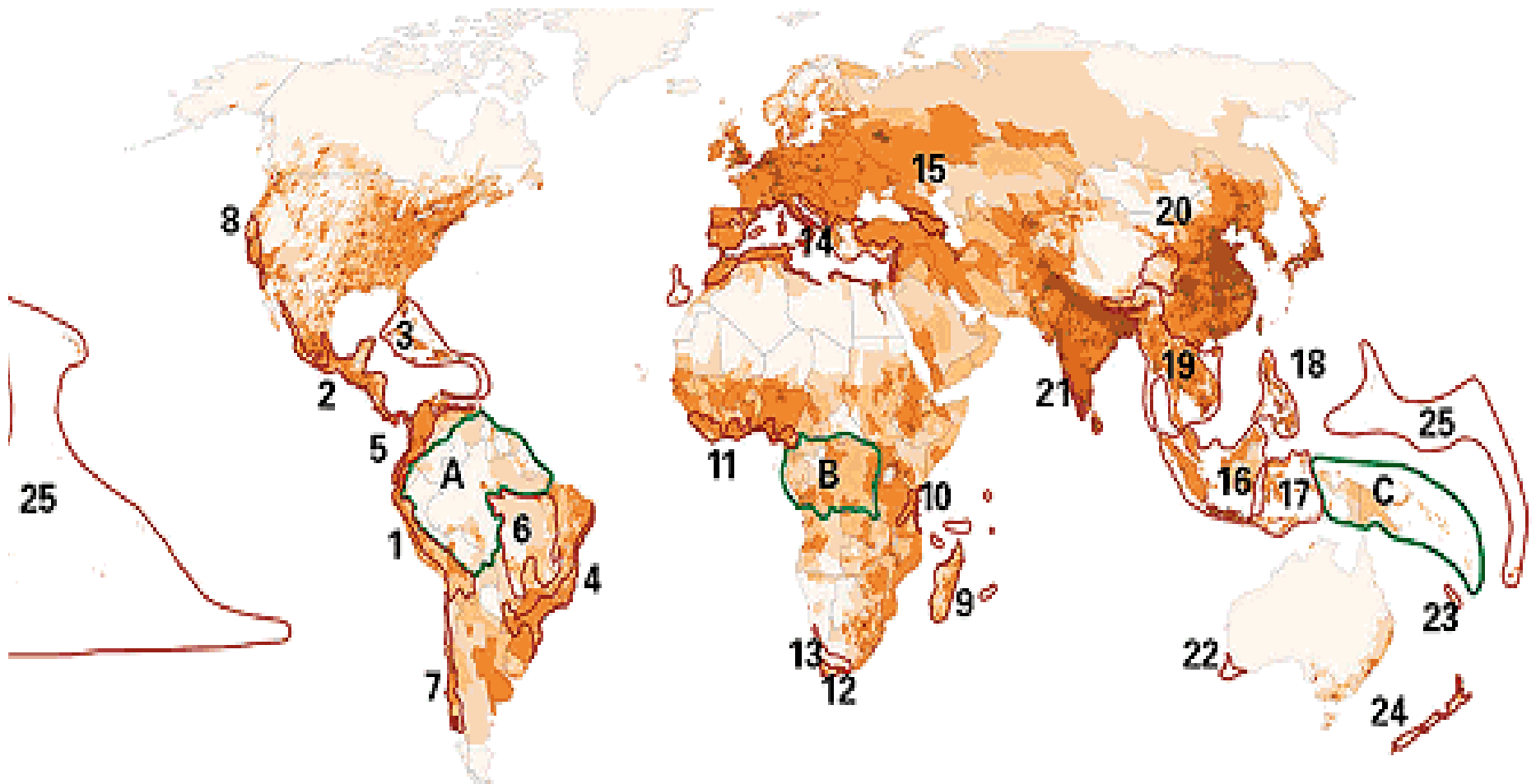
Sources: Before 1950: PRB estimates; 1950-2050: UN, *World Population Projections to 2150*, 1998 (medium scenario).

Population Distribution Also Matters.



Prepared by Geography Division U.S. Department of Commerce, Economics and Statistics Administration, U.S. Census Bureau

Over 1 billion live in ecological hotspots.



Source: Conservation International, Biodiversity Hotspots

Consumption Shapes Impact

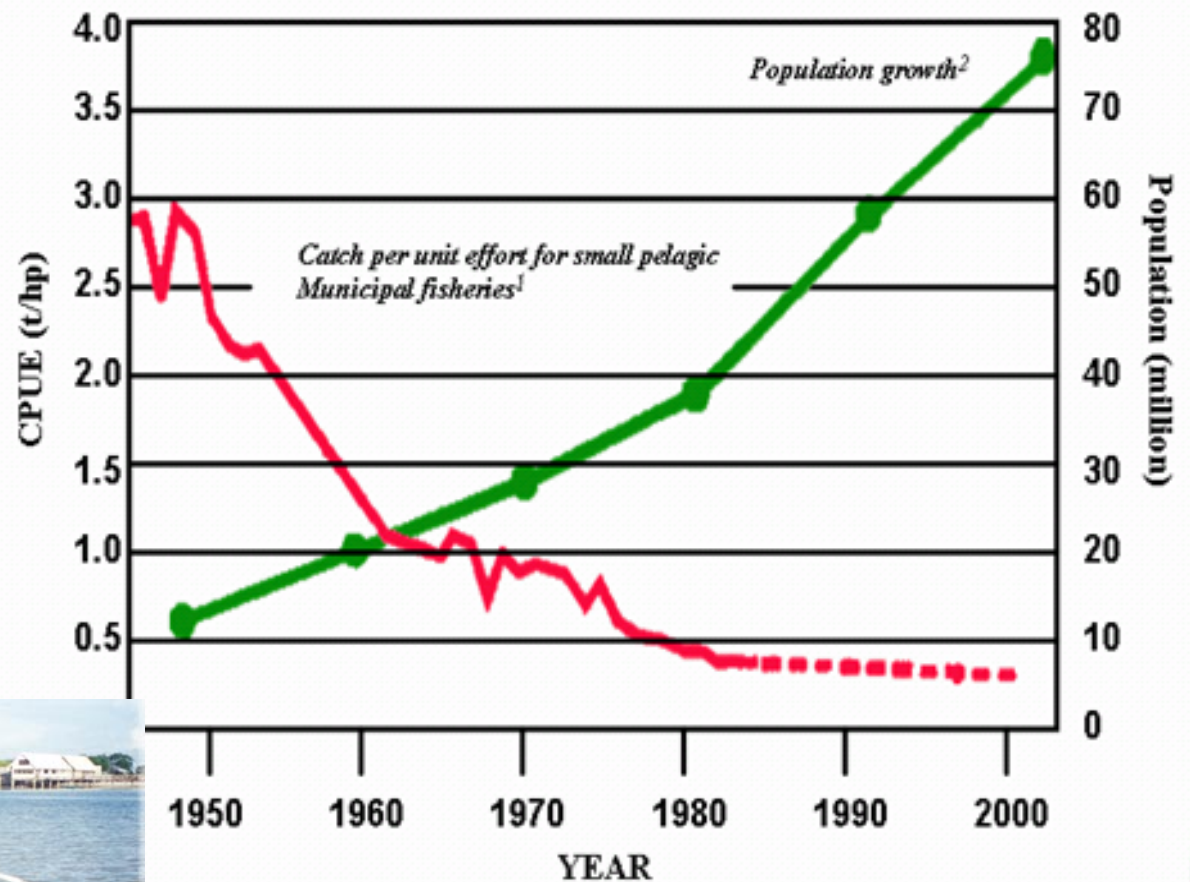


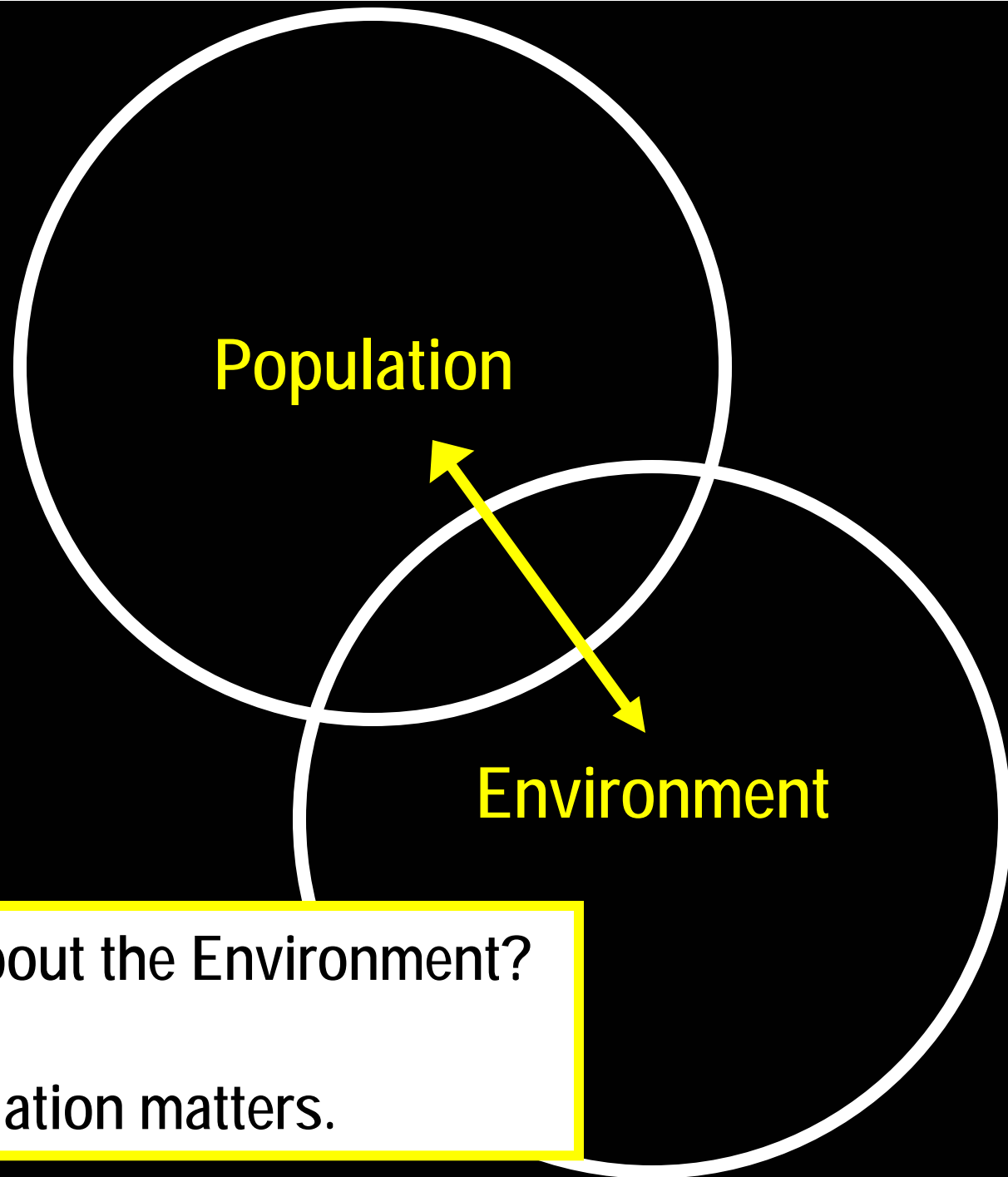


- Impacts have ecological consequences.
- Deforestation and biodiversity loss;
- Fisheries decline.



Table 1. Inverse relationship between Population Growth and Fish Catch: Philippines: 1950-2000



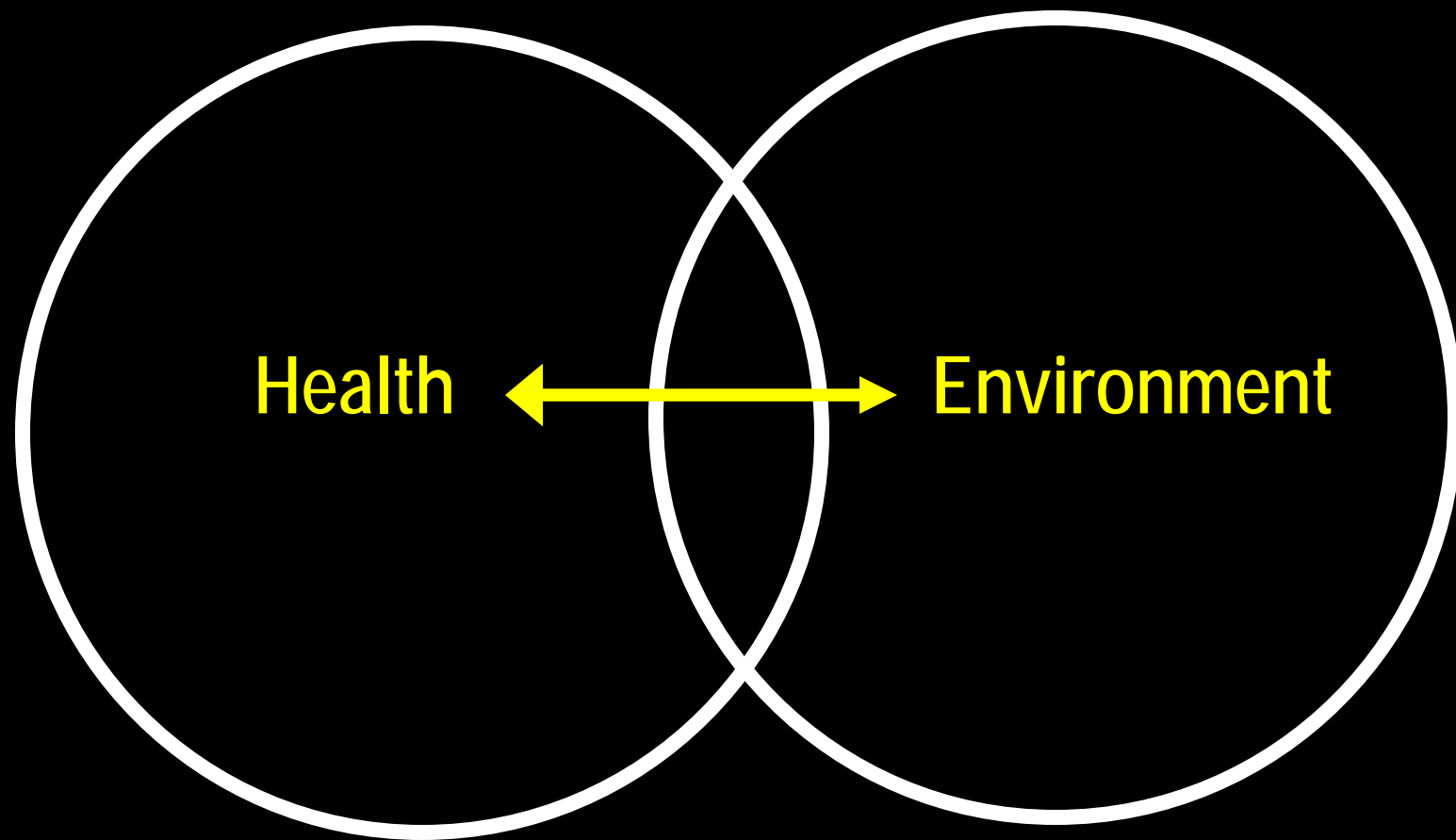


Concerned about the Environment?

Population matters.

Concerned about Health?

Environment matters.



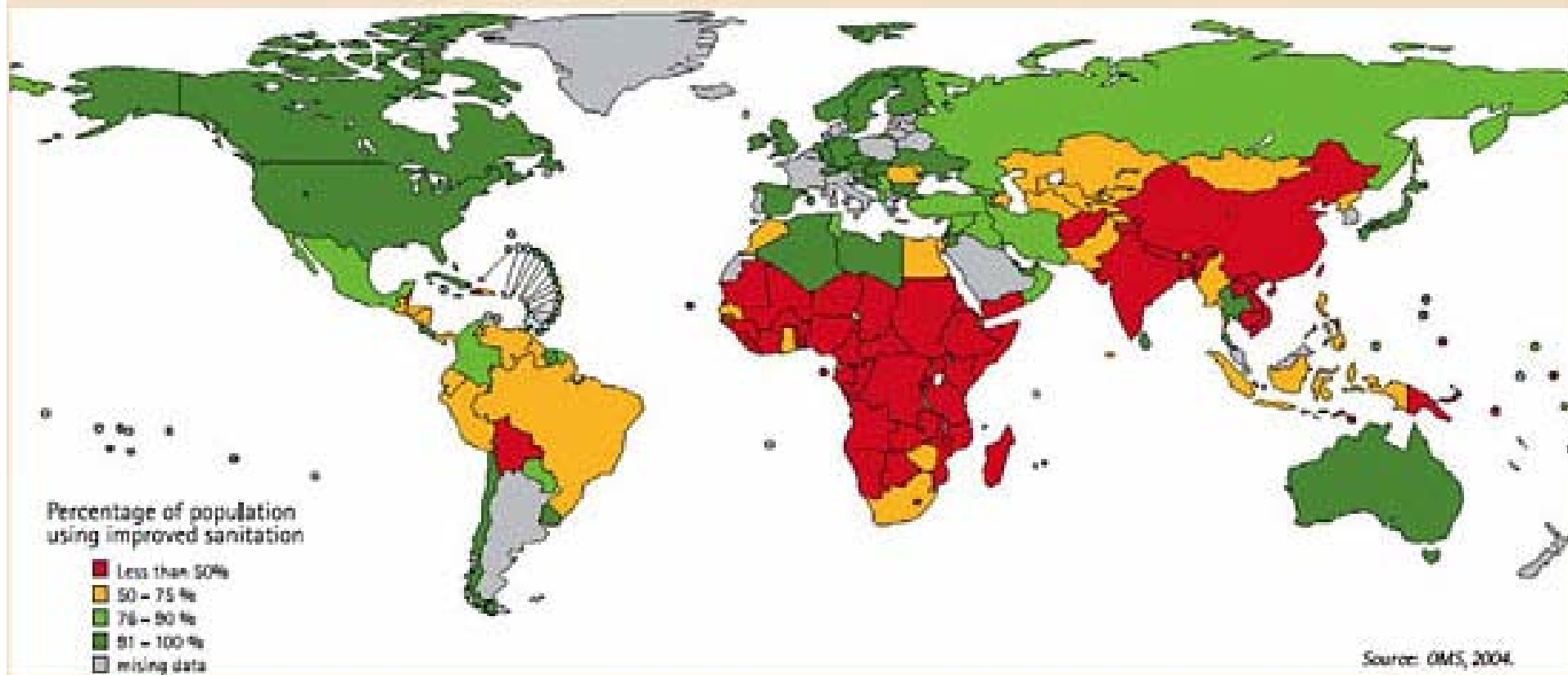
Environmental Health

- Clean water



Water supply, distribution of unserved populations

Coverage with improved sanitation, 2002



UN Water World Assessment, 2006

Environmental Health

- Clean water
- Clean air



- “In 2000, indoor air pollution from solid fuel use was responsible for more than 1.6 million annual deaths the second biggest environmental contributor to ill health, behind unsafe water and sanitation.”

WHO, 2002

Environmental Health

- Clean water
- Clean air
- Productive lands/waters:
food security



Number and proportion of undernourished, 1999–2001

Proportion of undernourished (%)

Number of undernourished (millions)

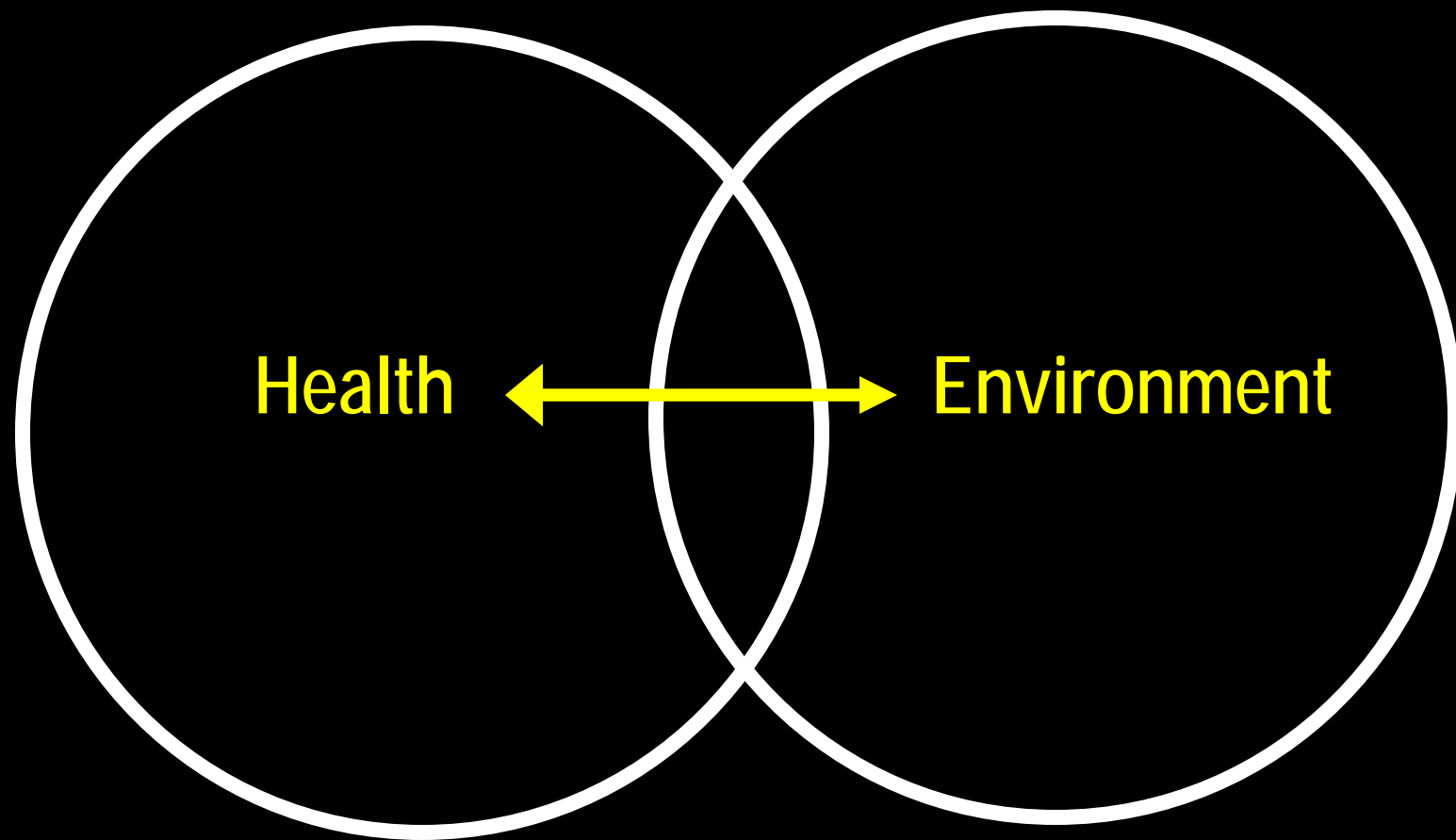


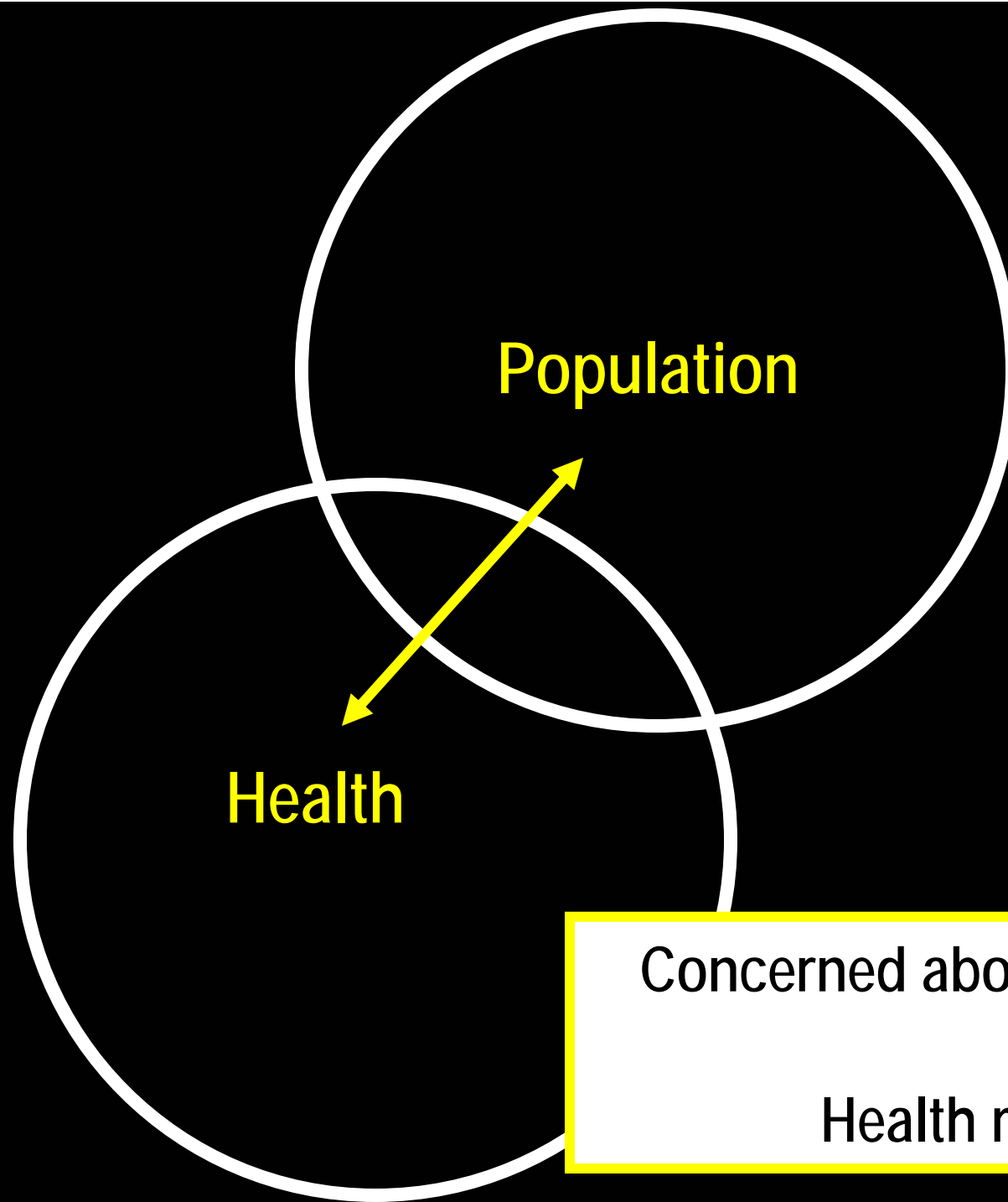
* includes Taiwan
Province of China

Source: FAO

Concerned about Health?

Environment matters.





Concerned about Population?

Health matters.

Population- Health Linkages

- Health care access often constrained;
 - Including reproductive health services
- Shapes life expectancy and quality-of-life

Contraceptive prevalence rising in all regions

Married women using contraception (%)



~70% in
high-income
settings

UNFPA 2000

Reproductive Health: Benefits of Choice



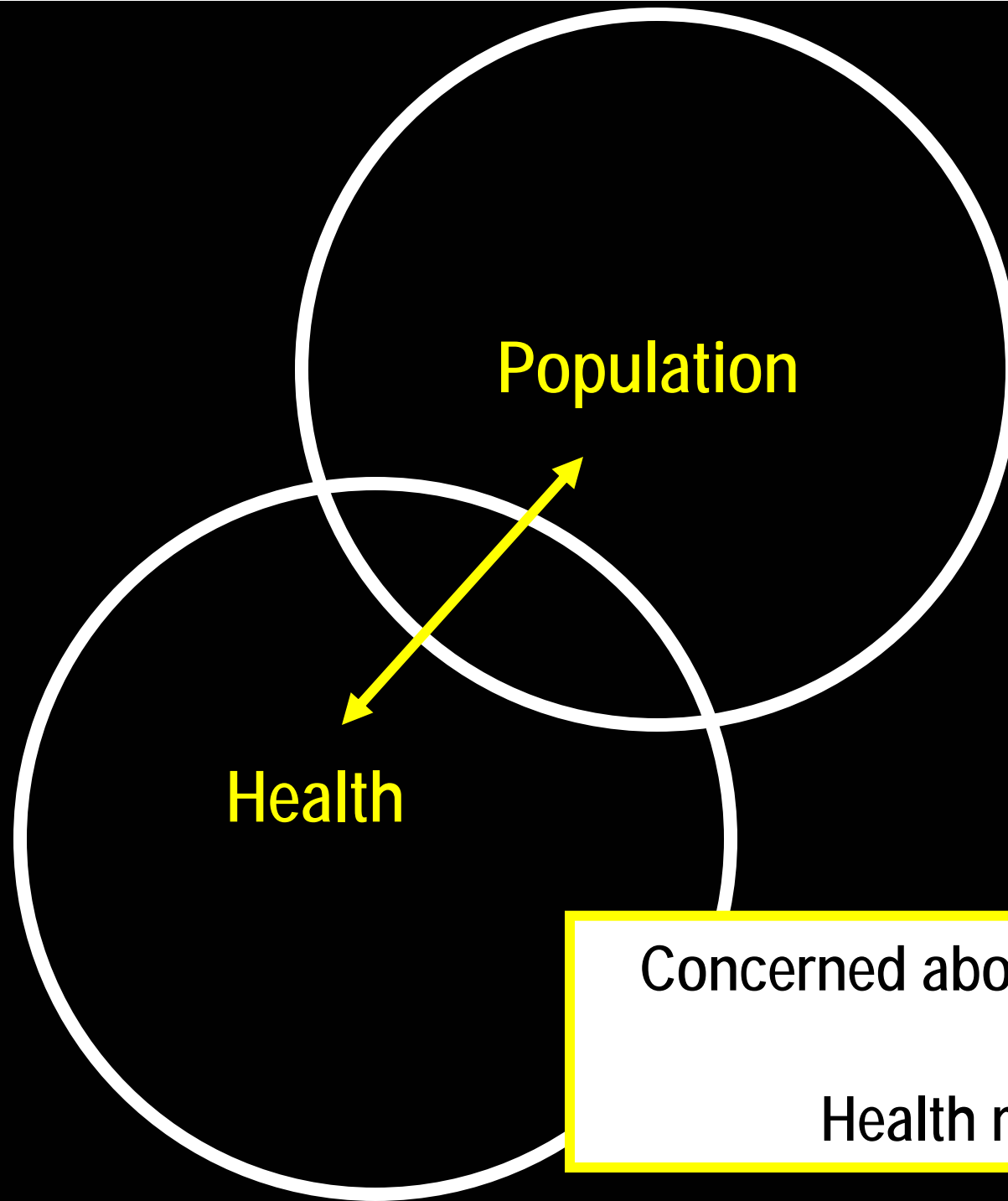
Family planning: number and spacing of children.

- Individuals:
 - improved maternal and infant health;
 - expanded opportunities for women's education, employment and social participation
 - reduced exposure to health risks.

Reproductive Health: Benefits of Choice

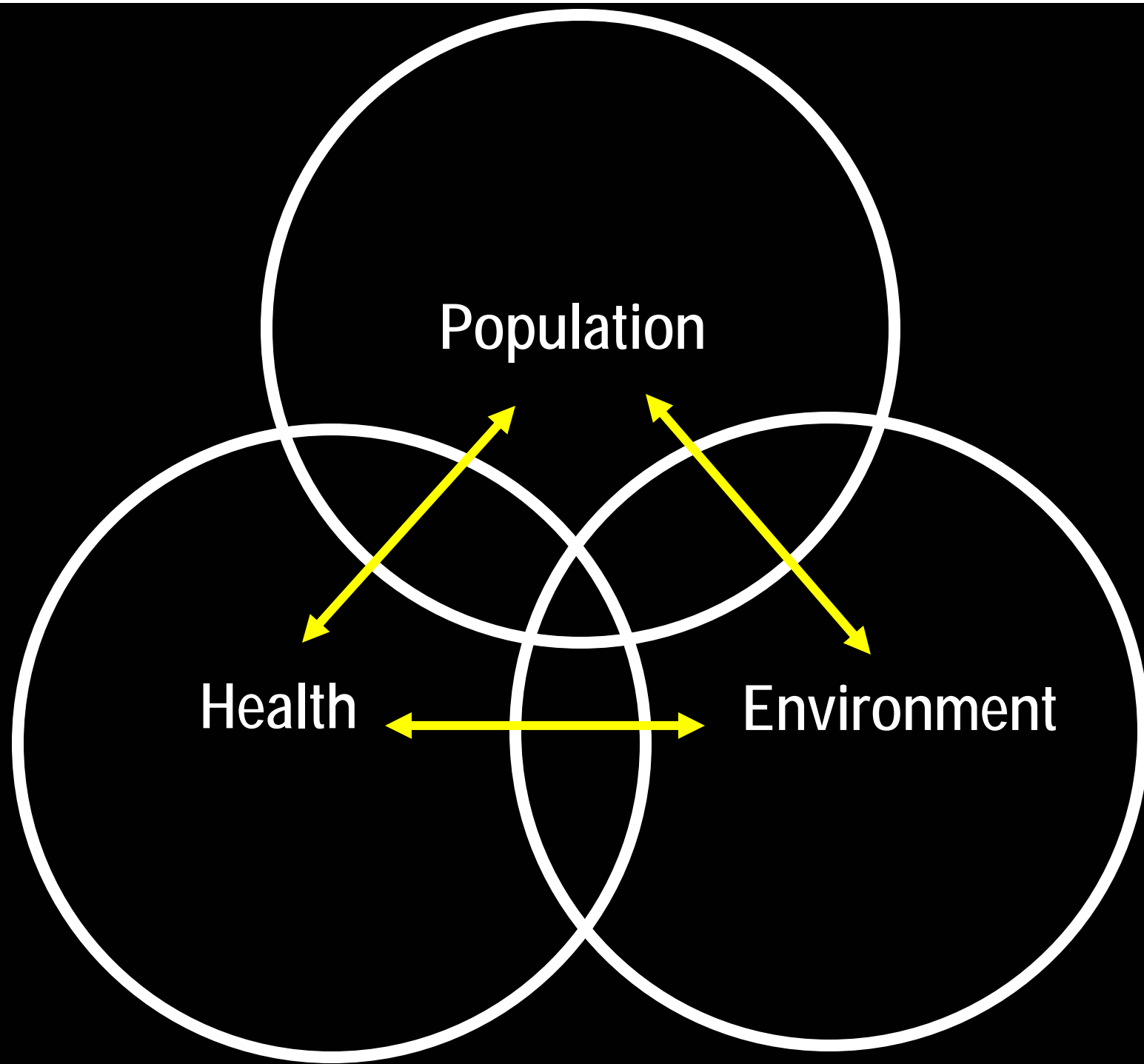


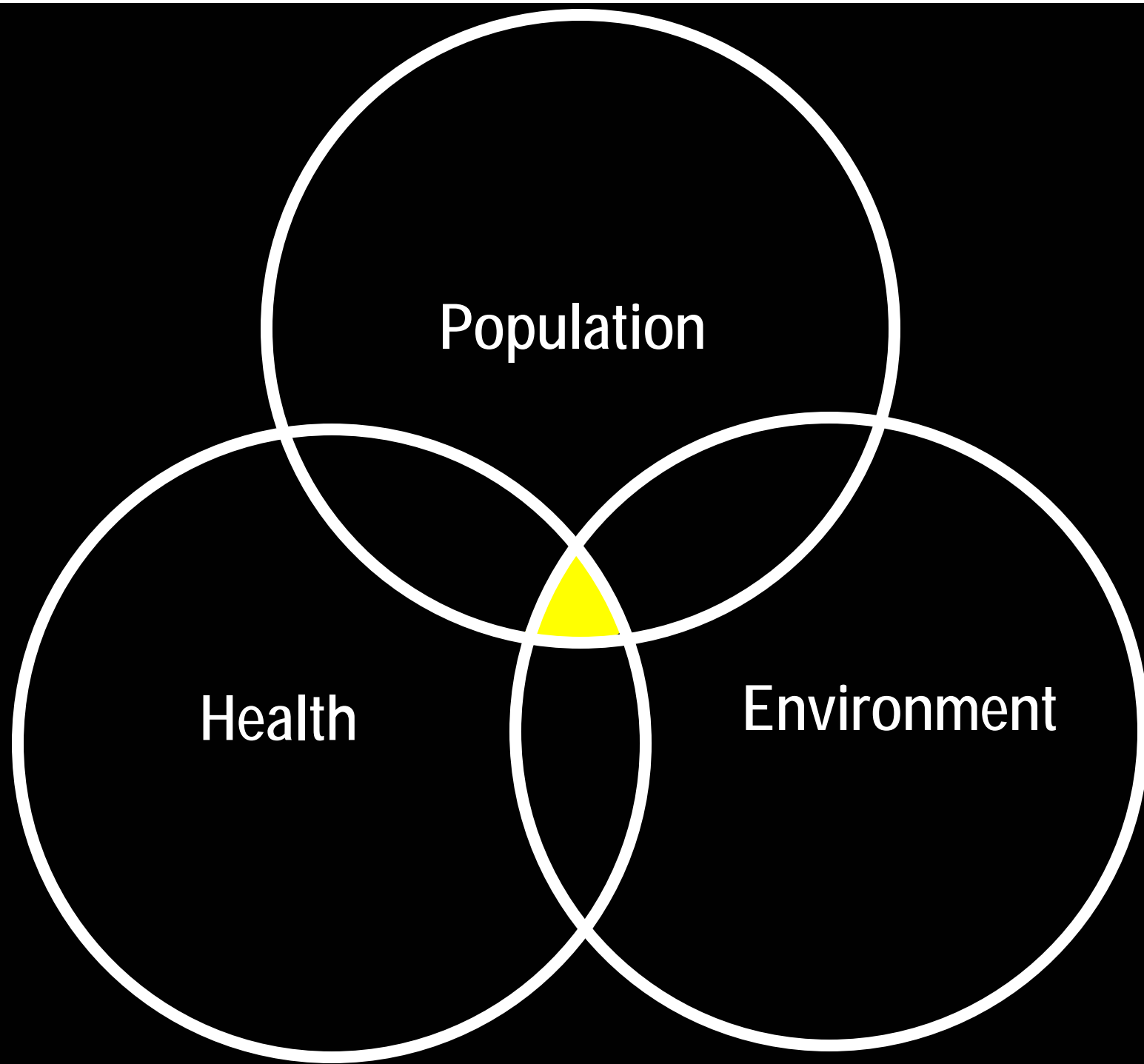
- Families:
 - reduced competition for resources;
 - more possibility for shared decision-making;
- Community/Society:
 - reduce population pressures;
 - perhaps speed economic development.



Concerned about Population?

Health matters.





Presentation Outline



Conceptual Framework

- **Illustration**
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**Illustration:
PHE in the Philippines**

Population

2.36% growth rate – doubling by 2040

Health

**High rates of malnutrition
Islands with access issues**

Environment

High diversity and endemism



"Successful Communities Ridge to Reef"

Roxas, Philippines



WWF, USAID

“Successful Communities Ridge to Reef” Roxas, Philippines

Project components:

- Reproductive Health
 - Family Planning Action Sessions
 - Community-Based Distributors

“Successful Communities Ridge to Reef”

Roxas, Philippines

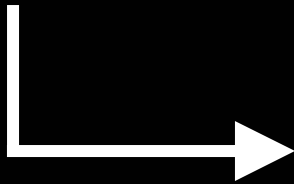
- Project components:
 - Marine Protection
 - Ecological Assessments
 - Protected Areas

Other PHE Components

- Field Projects
- Advocacy
 - Using media to increase public and policymakers' awareness
- Capacity Building
 - Increase collaboration to enhance leadership capacity
- Research
 - Promote research around key PHE interactions such as food security and environment health



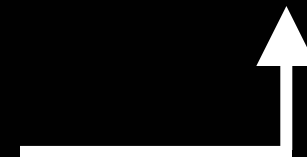
Population



**Mediating
Factors**

**Science &
Technology**

Environment



Population



**Mediating
Factors**

**Science &
Technology**

Policy

Environment



Population



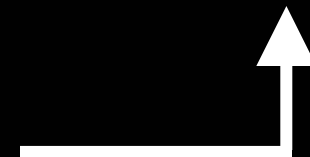
**Mediating
Factors**

**Science &
Technology**

Policy

Culture

Environment



Population



**Mediating
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**Science &
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Policy

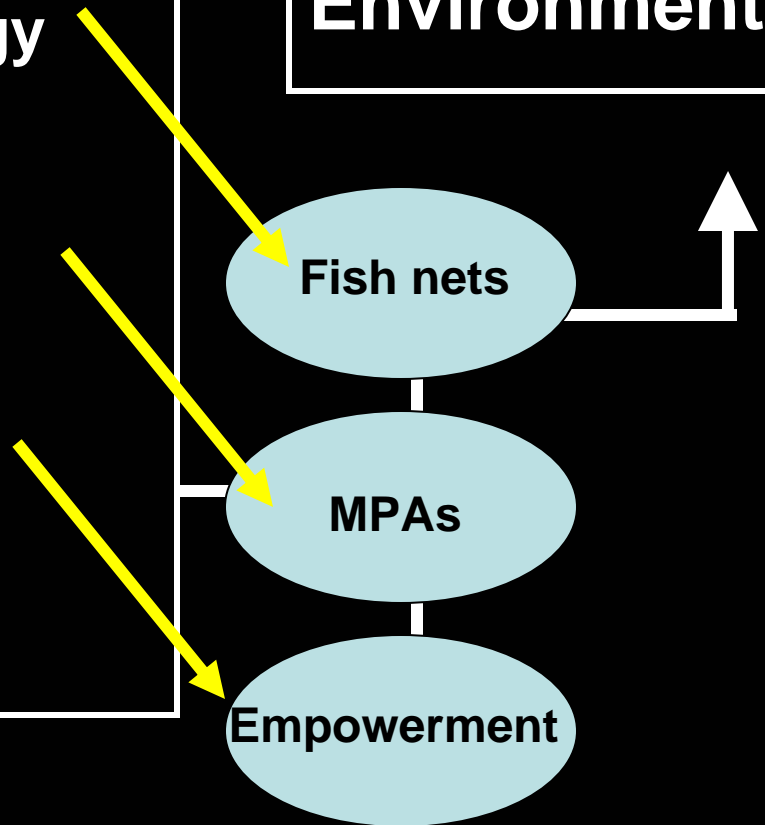
Culture

Environment

Fish nets

MPAs

Empowerment



Presentation Outline

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☒ Illustration

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PHE Rationale

“Add value” in several ways:

- Address multiple needs
- Gain efficiencies in delivery

“Added value” for Reproductive Health Efforts

- “Open door”
 - To men
 - To youth



“Added value” for conservation efforts



- Women manage childbearing timing, may be better able to manage resources
- Healthy families may have longer-term vision
- Population pressures reduced

PHE Rationale

- “It’s the right thing to do”
 - Often reaching underserved, most marginalized, remote communities

Presentation Outline

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The Foundations of PHE



- History of variety of integrated programs;
- PHE roots in *Integrated Conservation and Development Programs*, mid-80s;
 - Link alternative livelihoods and conservation
- Evolved in various ways across contexts.
- Agro-forestry perspective provided by Louise.

Presentation Outline

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PHE Tools



- Substantial background material
 - Case studies
 - Lessons learned
 - Thoughts on “scaling up”
 - “Toolkits” on
 - Program development and implementation
 - Monitoring and evaluation

Project Overviews



Environmental Health



EH HOME

PHE HOME

PHE WHAT'S NEW?

PHE PROJECTS

PHE PARTNERS

PHE TOOLKIT

PHE DOCUMENTS

OTHER PHE LINKS

Population, Health and Environment (PHE) Documents

Introduction - Below are links, by topic, to selected full-text versions of reports on a range of PHE issues. Additional documents are also on the PHE Toolkit page. The organizations linked to below are not necessarily affiliated with, or receive support from USAID. The Document Links are organized as follows:

- **General Links** - Links to organizational website pages with multiple PHE documents.
- **Highlighted Documents** - Direct links to full-text versions of documents
 - Integrated PHE Programming - Strategies, Links
 - Advocacy
 - Field Experiences
 - Other Topics
 - Poverty-health-ecosystems
 - Gender Issues and PHE
 - Global climate change and PHE

General Links

- *Population Action International (PAI) - Population and Environment Publications*
 - General publications
 - Population and environment issues articles
 - Population and environment reports
 - Population and environment fact sheets
 - Population and environment research commentaries
- *Population Reference Bureau (PRB)*
 - **Population, Health and Environment Publications** – over 80 publications from 1999 to present addressing strategies, field experiences, etc.
- *Wilson Center's Environmental Change and Security Program (ECSP)*
 - **Population-Health-Environment publications** – link to all ECSP documents



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General Links

Environmental Health



EH HOME

PHE HOME

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OTHER PHE LINKS

Population, Health and Environment (PHE) Toolkit

Population, Health and Environment (PHE) Toolkit

Below are links to a variety of full-text resources for planning, implementing and monitoring PHE projects and activities. These include:

1 - DESIGN/PLANNING TOOLS

- 1.1 Guidelines and Frameworks
- 1.2 Lessons Learned/Best Practices
- 1.3 Scaling Up

2 - IMPLEMENTATION TOOLS

- 2.1 Implementation - Training Modules
- 2.2 Information Education and Communication (IEC) and Behavior Change Communication (BCC) Tools
- 2.3 Job Descriptions/Job Aids

3 - MONITORING AND EVALUATION TOOLS

4 - ADVOCACY AND NETWORKING TOOLS



1 - DESIGN/PLANNING TOOLS

1.1 - Design/ Planning - Guidelines and Frameworks

- *USAID*
 - Opportunities in population and health for community forest user groups in Nepal. 2006.



Monday, March 27, 2006

Experts warn sex is a threat v. food security

By Jimmy P. Abayon

POPULATION management experts warned that the country's food security is under threat from a galloping population that could reach 147.3 million forty-five years from now from the current 83.7 million.

The warning came at the opening day of the two-day workshop training on "Communicating Reproductive Health through Integrated Population-Environment Approaches" for selected media

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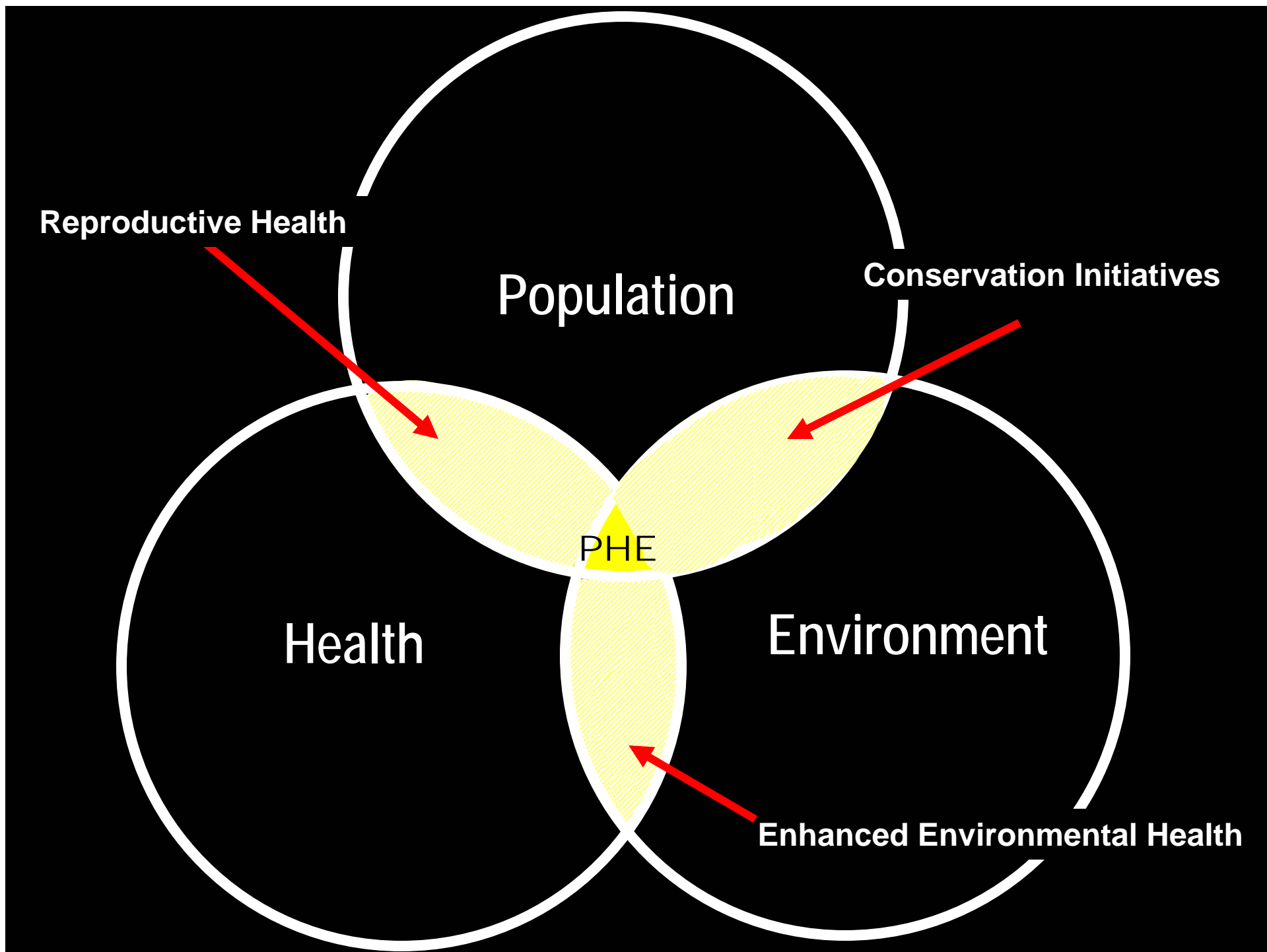
☒ Tools

- Conclusions

Conclusions

- Community based, integrated programs





Conclusions



- Community based, integrated programs
- Aim to “add value” to single sector efforts
- Lessons to be learned from past integration efforts
- Include advocacy, capacity building, research
- Resources available for support

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<http://www.ehproject.org/phe/phe.html>



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