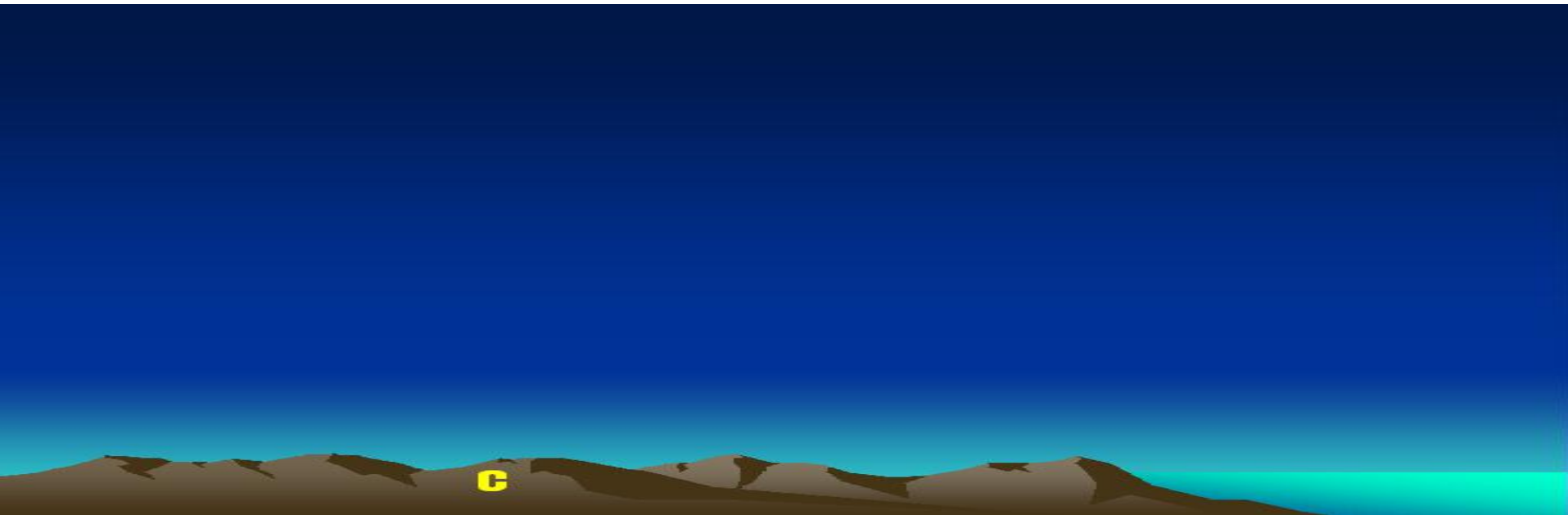


# rise, fall and upward sweeps: the emergence of a global state \*



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\*Thanks to E. N. Anderson and Peter Turchin for their contributions to ideas developed below.

# Human Sciences and Complexity

This is for an interactive teleconference on Human Sciences and Complexity, a 4-campus interdisciplinary project that includes scholars from UC-Irvine, UCLA, UC-San Diego and UCR. It is based on research proposal that is being supported by the U.S. National Science Foundation's program on Human Social Dynamics. That proposal is available at

<http://irows.ucr.edu/research/citemp/globstat/globstatprop.htm>.

The time of the interactive teleconference is from 2 to 3:05 on

Friday, October 14 ,and the UCR location will be in Olmsted 1208. An earlier version of this lecture presented at the University of Victoria

is available at <http://irows.ucr.edu/cd/lectures/lecturestoc.htm>

# Overall outline of the talk

The comparative world-systems perspective

Small, medium and large world-systems

Waves of network expansion and contraction: rise of the  
Central System

Hierarchy Formation. The iteration Model

Rise and fall and upward sweeps

Semiperipheral marcher states

Semiperipheral capitalist city states

Modeling rise and fall and upward sweeps: two systemic  
levels: state and world-system

From core-wide empires to modern hegemons

Waves of Colonization and Decolonization

Global State Formation

# The comparative world-systems perspective

Systems of Societies as the Unit of  
Analysis for explaining Cultural  
evolution

Core/Periphery Hierarchies

Semiperipheral Development

World-Systems: Small, Medium and Large

# Semiperipheral Development

Semiperipheral Regions are Most Often the Sites of Innovations in New Institutions and Technologies that lead to Upward Mobility and/or Transform the Logic of Social Change

Types of Semiperipheral Societies:

Semiperipheral Marcher Chiefdoms: Patrick Kirch

Semiperipheral Marcher States

Semiperipheral Capitalist City States

Semiperipheral World Regions: Europe

Modern Hegemons: Dutch, British, U.S.

Bounding premodern world-systems:  
Important interaction networks

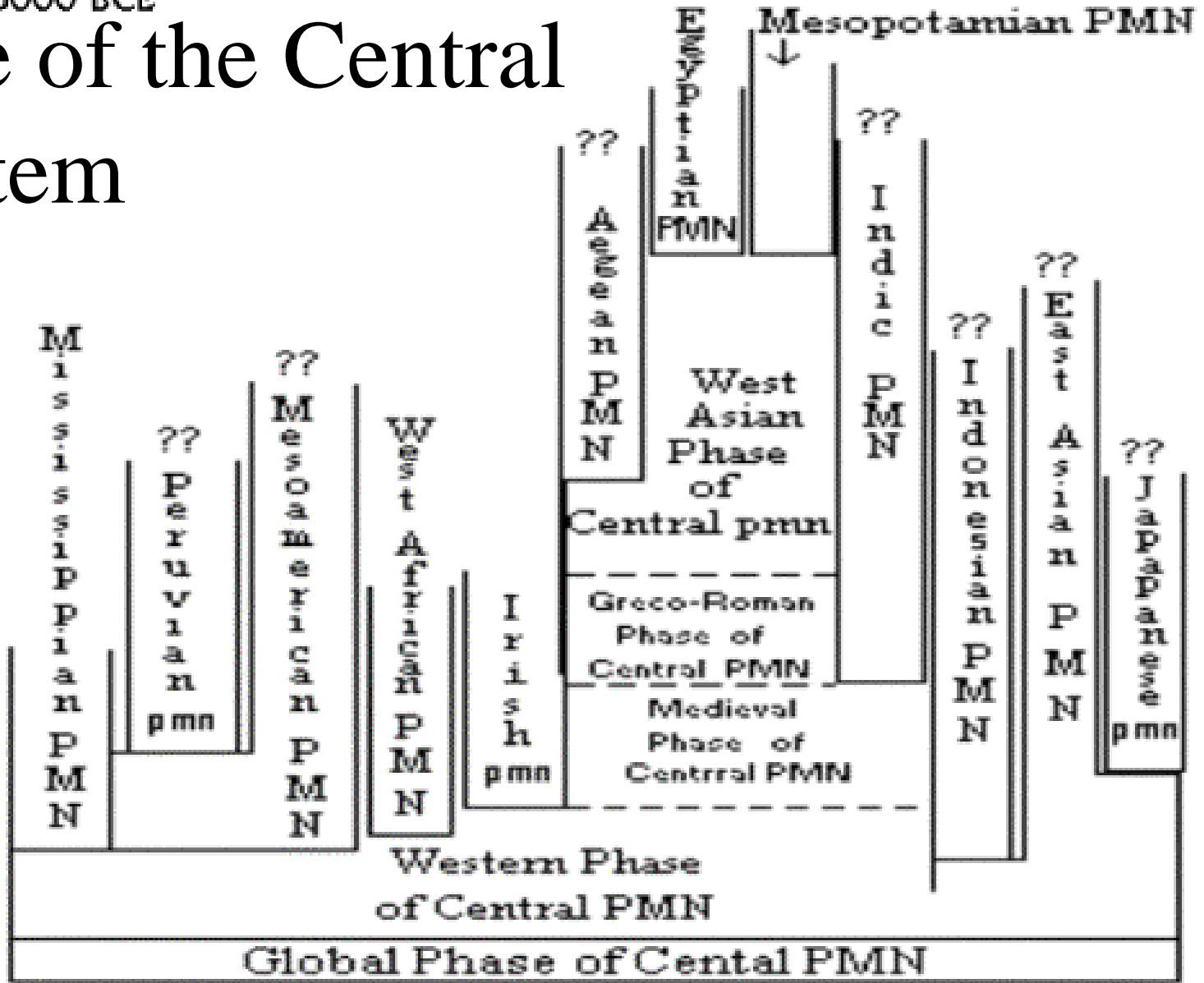
Waves of network expansion and contraction  
(pulsation and eventual globalization)

Expansion of the central system and  
incorporation of other regional systems

Polities: bands, tribes, chiefdoms, states, empires

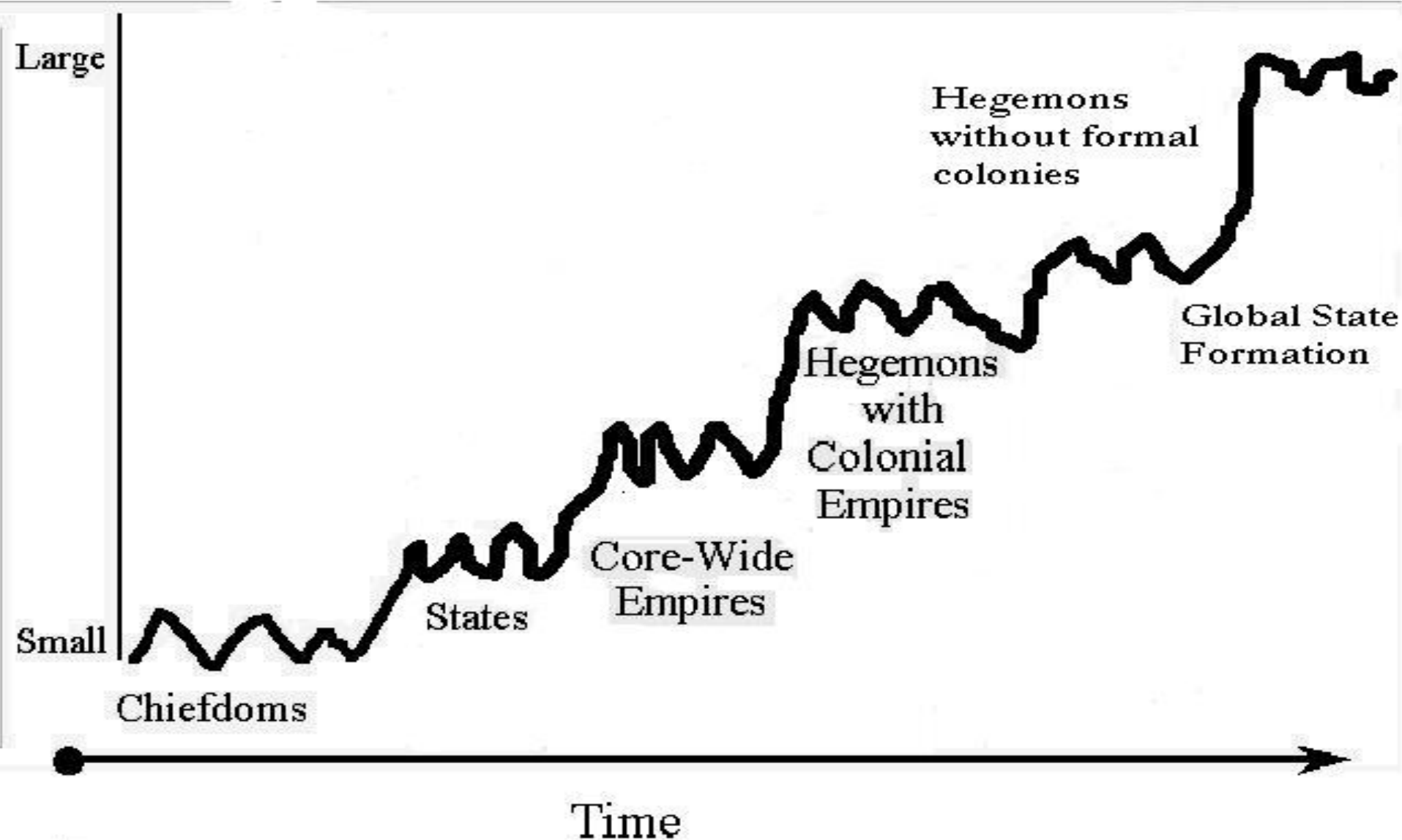
3000 BCE

# Rise of the Central System



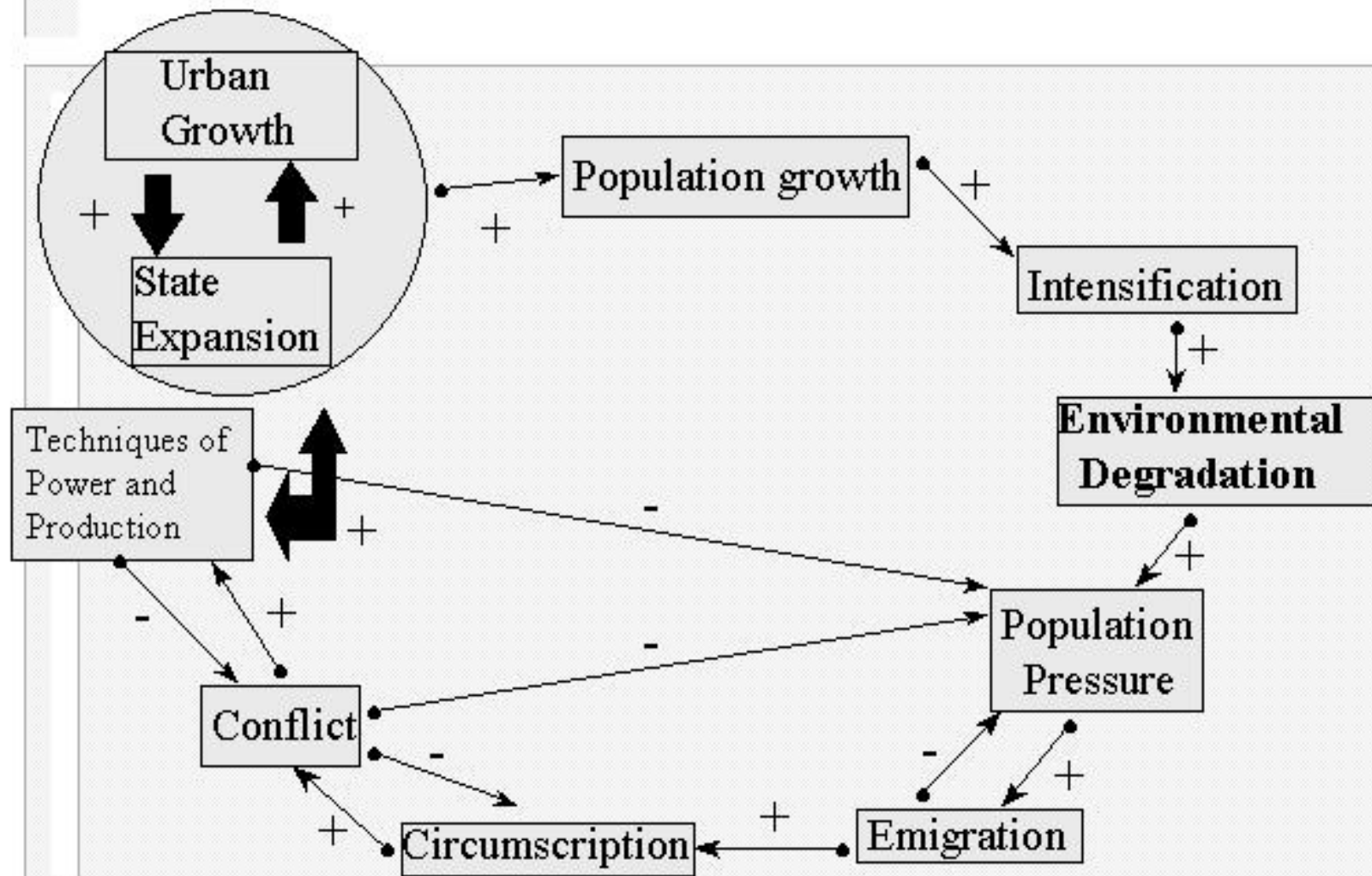
2000 CE

# Rise and Fall of large powerful polities with intermittent upsweeps

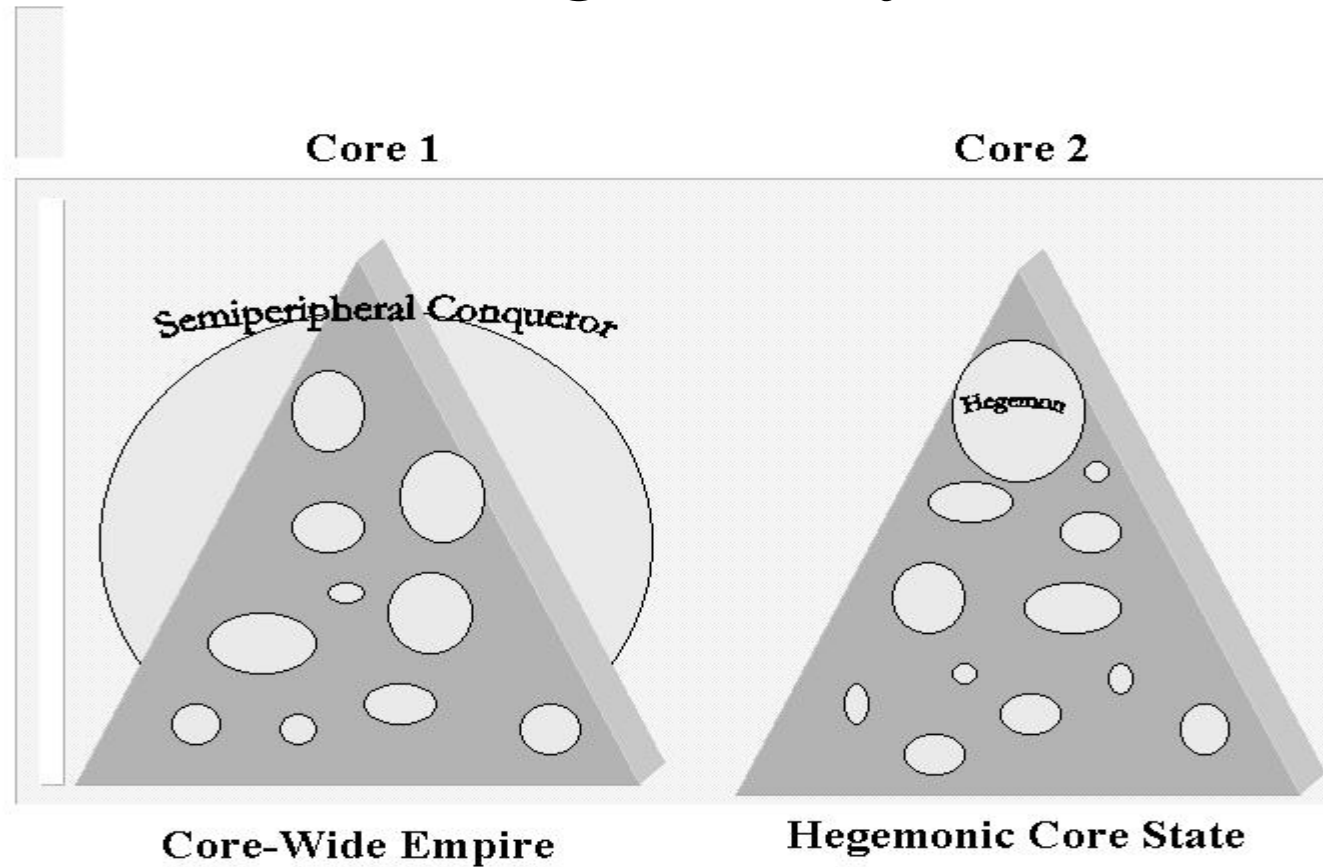




# Iterative Causes of City and State Growth

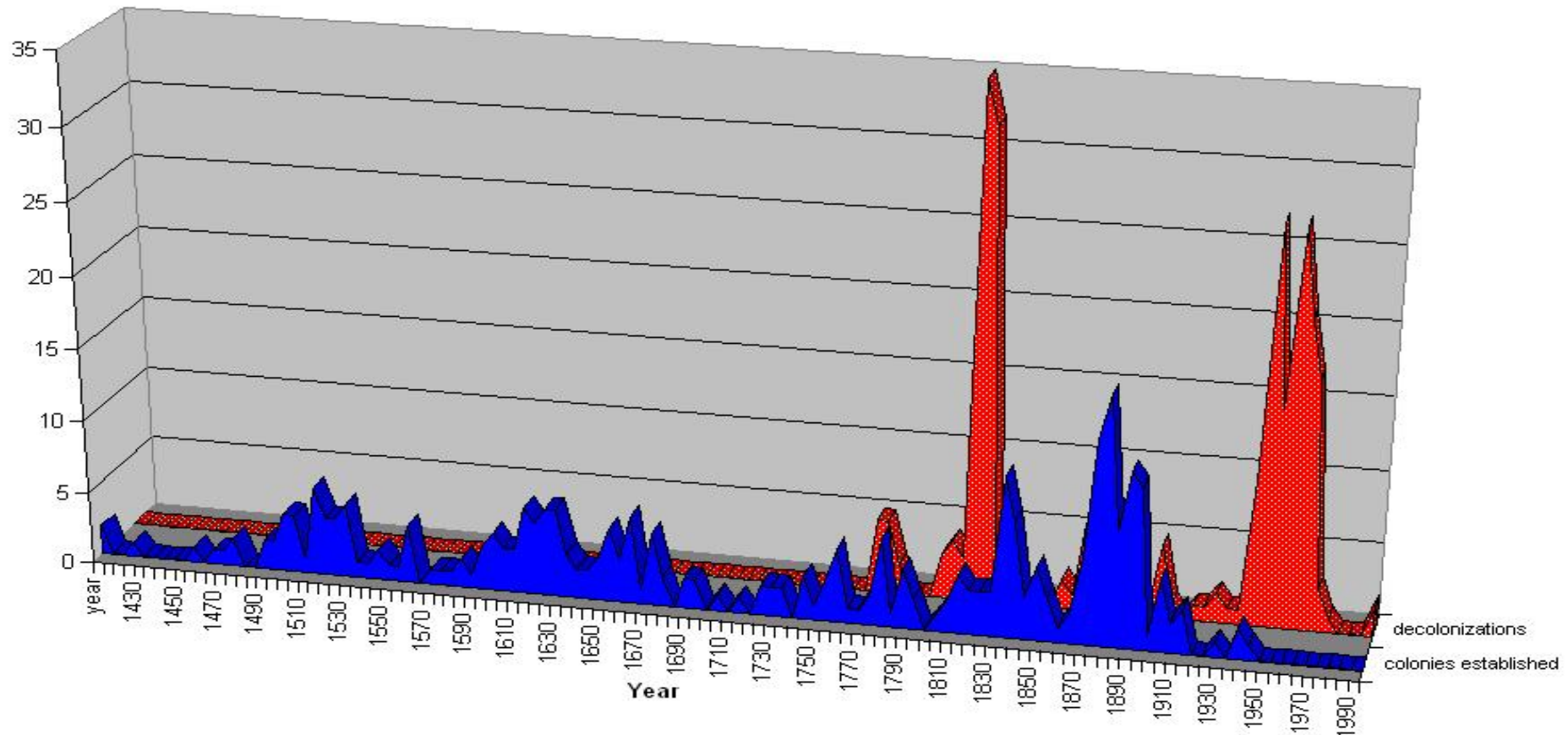


# Core-Wide Empire vs. Modern Hegemony

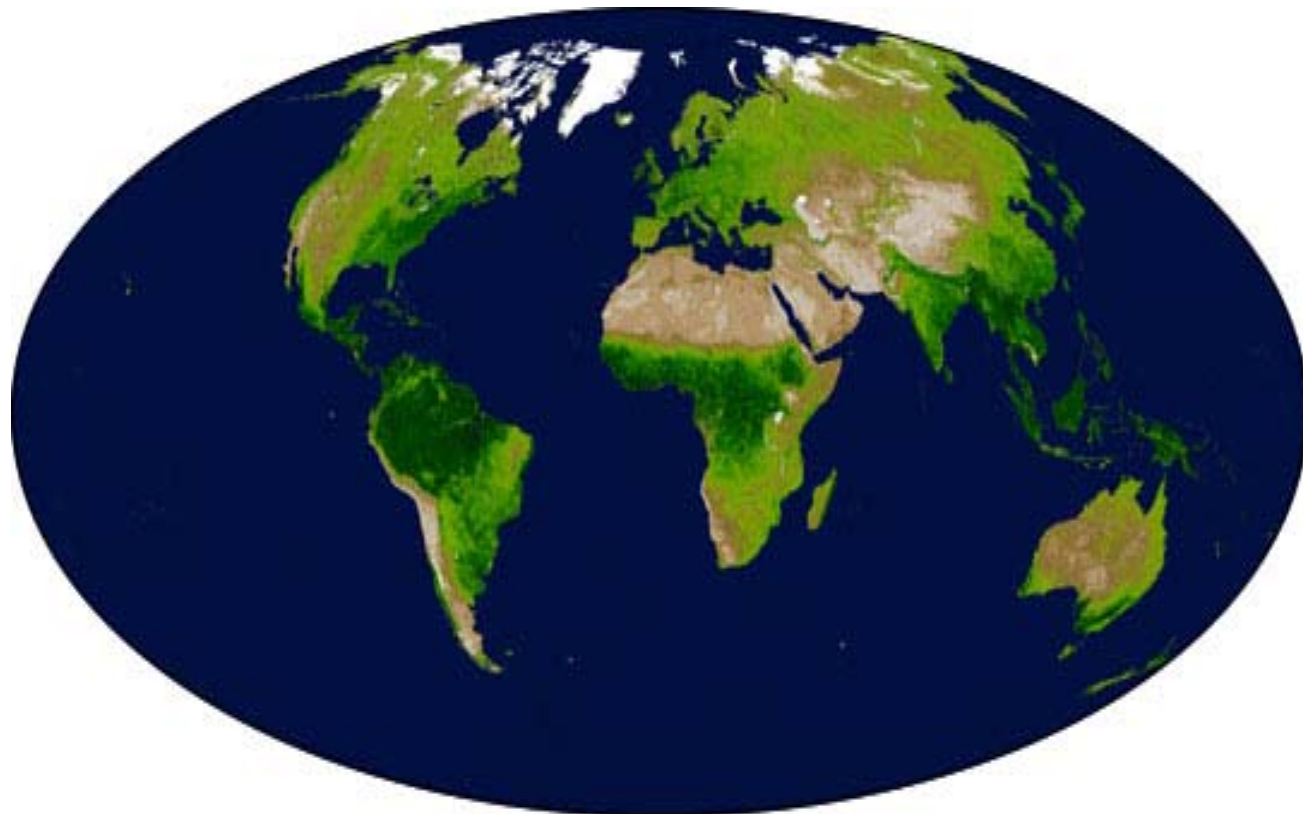


# Resistance and global polity formation

## WAVES OF COLONIZATION AND DECOLONIZATION SINCE THE 16<sup>TH</sup> CENTURY



# Global state formation: on to a democratic and collectively rational Global Commonwealth



Enhanced Vegetation Index (EVI)

