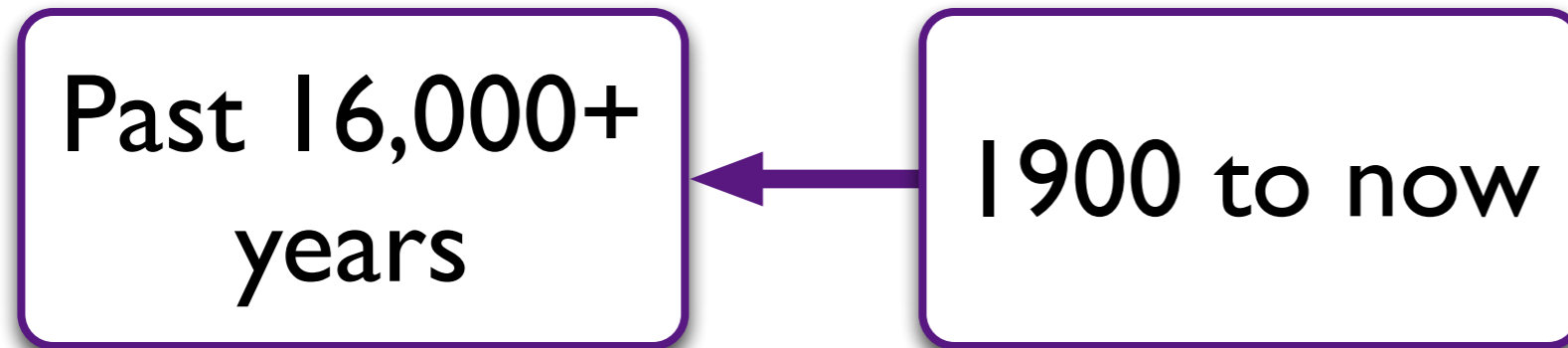
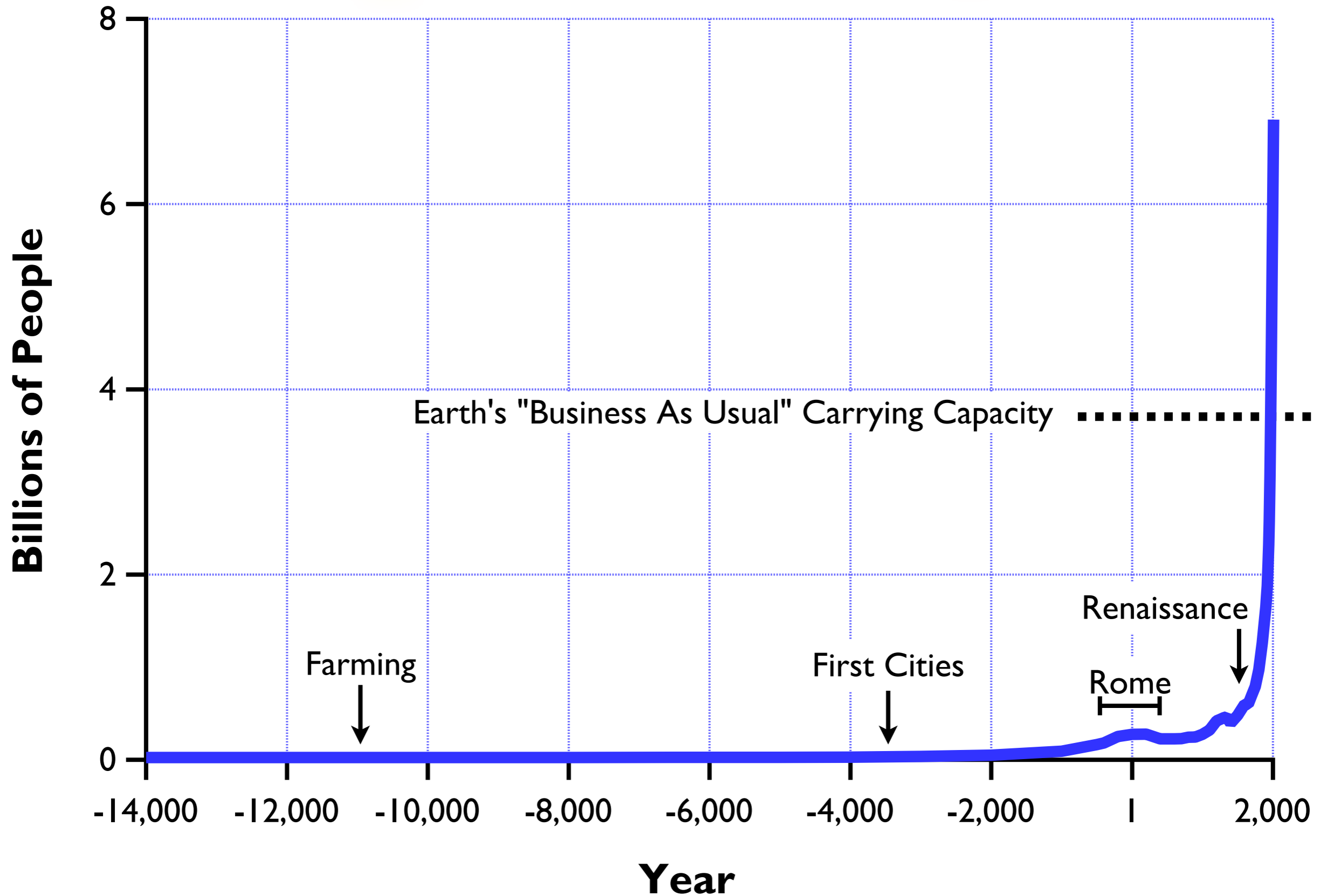


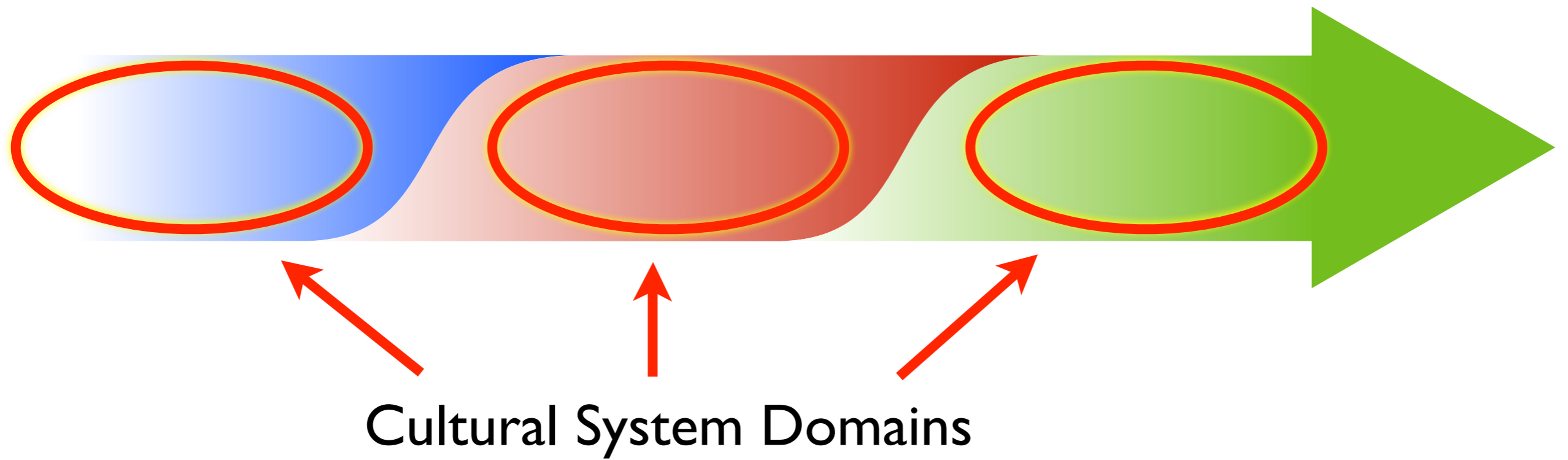
Where are we in history?



World Population From 14,000 BCE



Outline of History

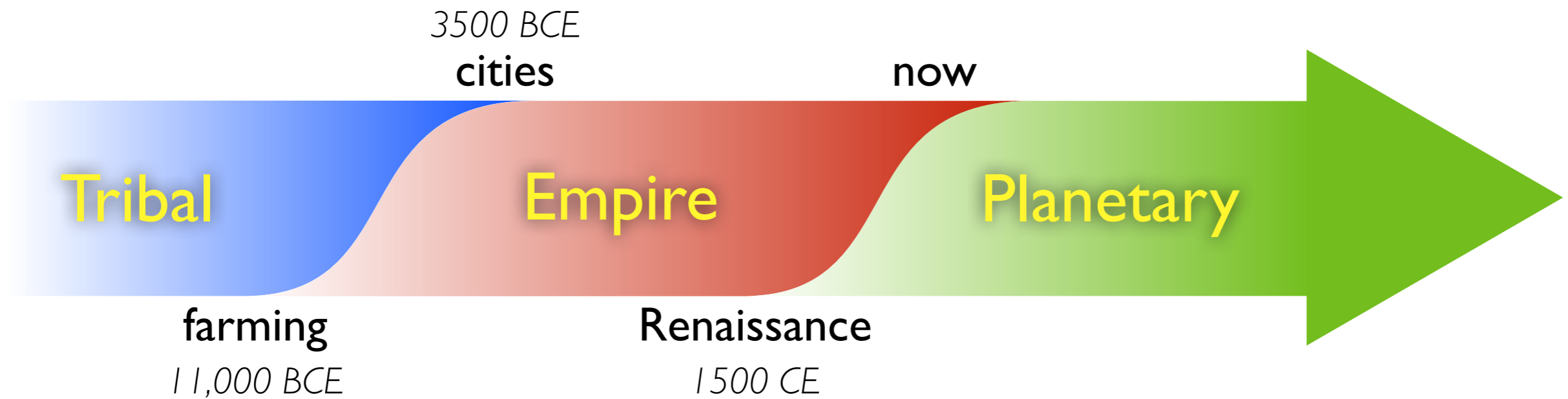


Outline of History

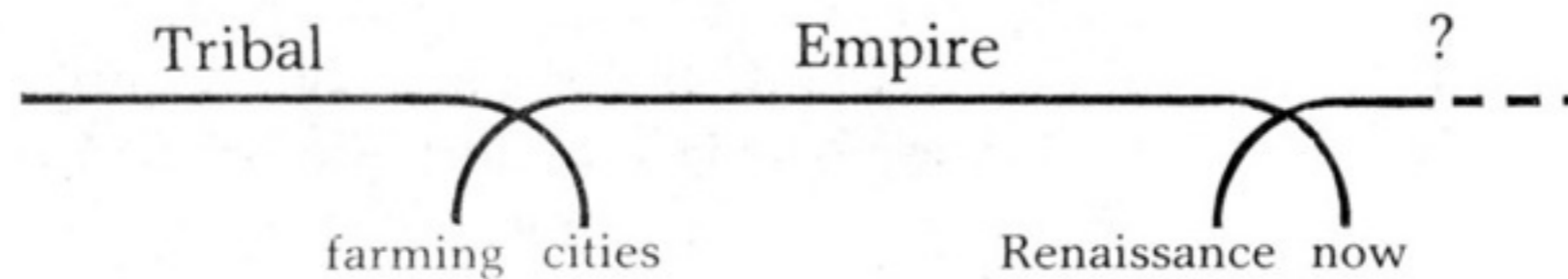


Cultural System Transitions

Outline of History



OUTLINE OF HISTORY





MAPS OF TIME

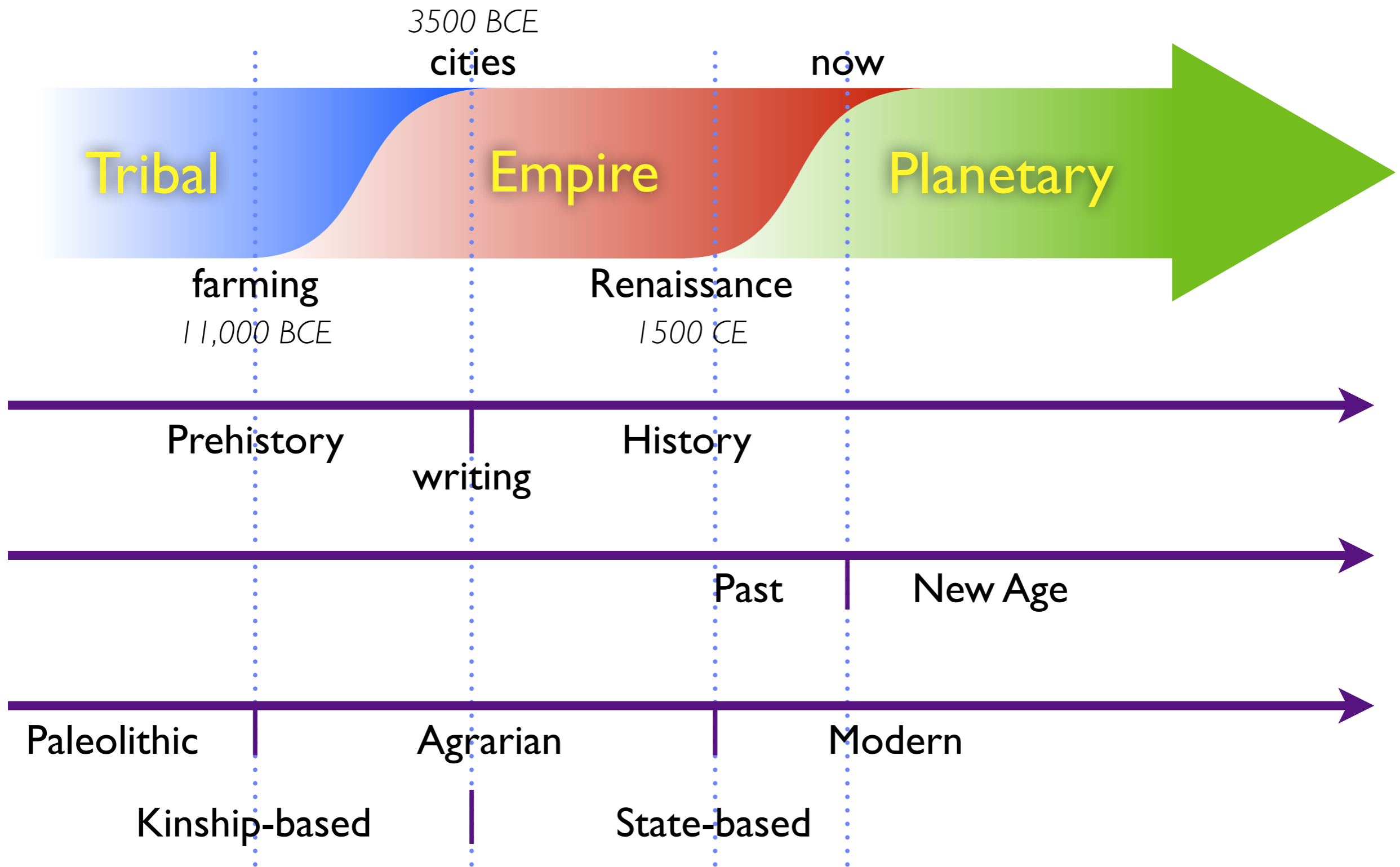
AN INTRODUCTION TO BIG HISTORY

David Christian

Foreword by WILLIAM H. McNEILL

© 2004

Outline of History



Cultural System-Domain Qualities

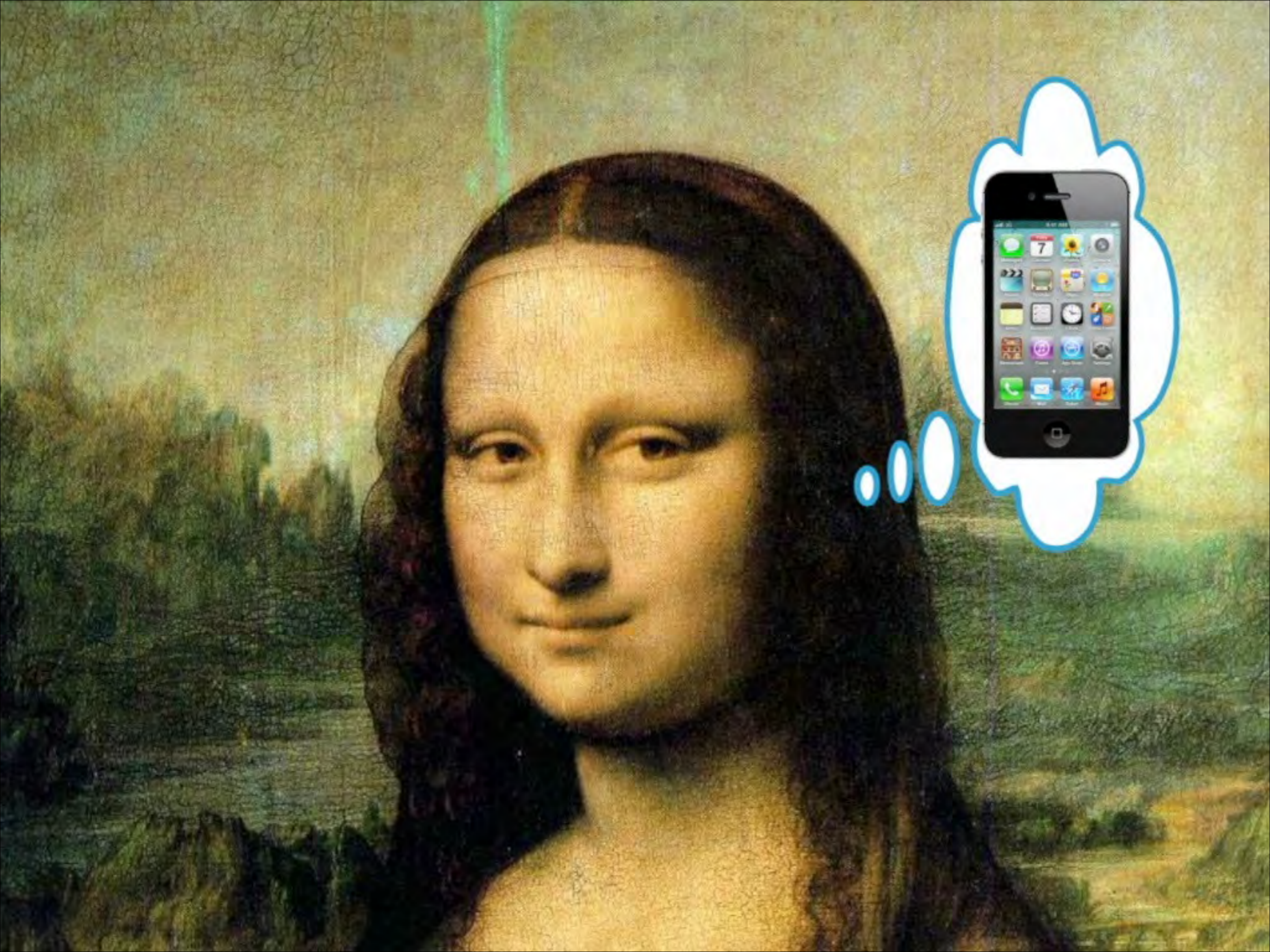
<i>Quality</i>	Tribal	Empire	Planetary
<i>Main Livelihood</i>	Hunting & Gathering	Agriculture	?
<i>Basis For Social Organization</i>	Kinship	Violence-enforced, Religiously-sanctioned Hierarchy	?
<i>Communications Level of Development</i>	Oral Stories, Songs and Verse	Elite Literacy	?

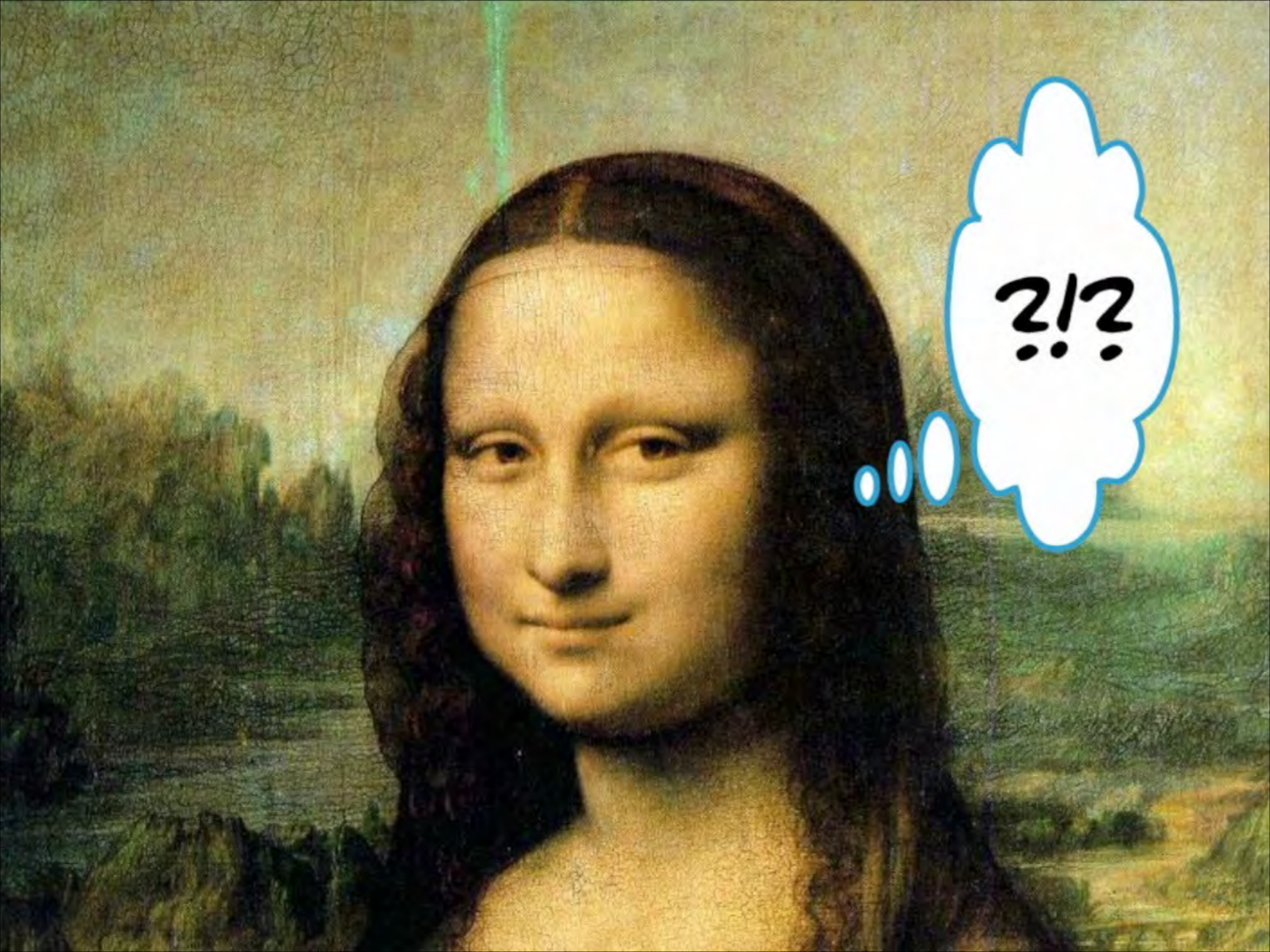
How Do We Discern The Future?





?!?



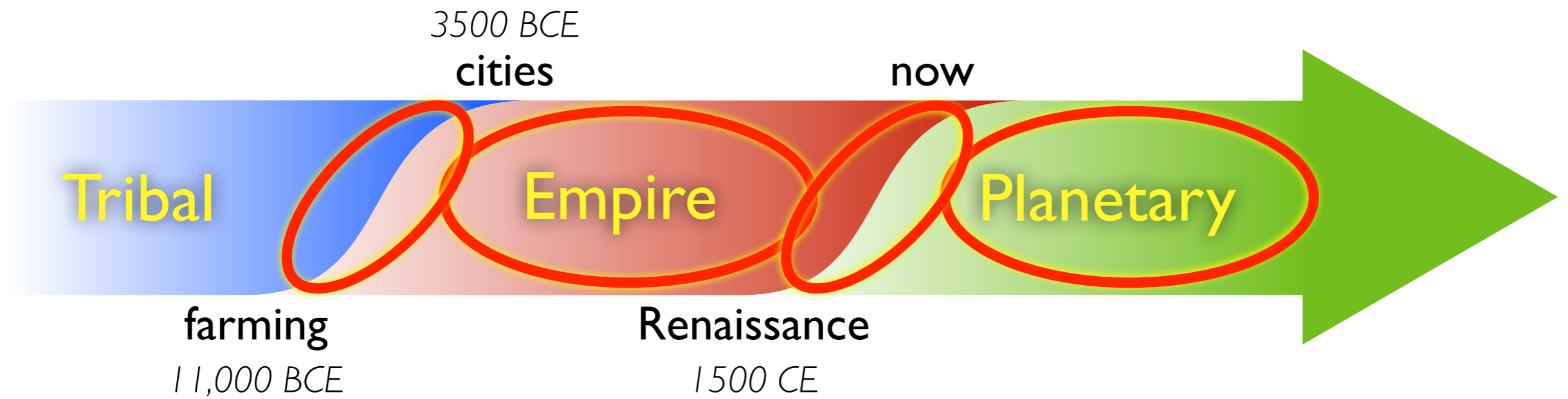


?!?

How Do We Discern The Future?

- analogies in nature
- deep history + cultural system domains
=> essential patterns

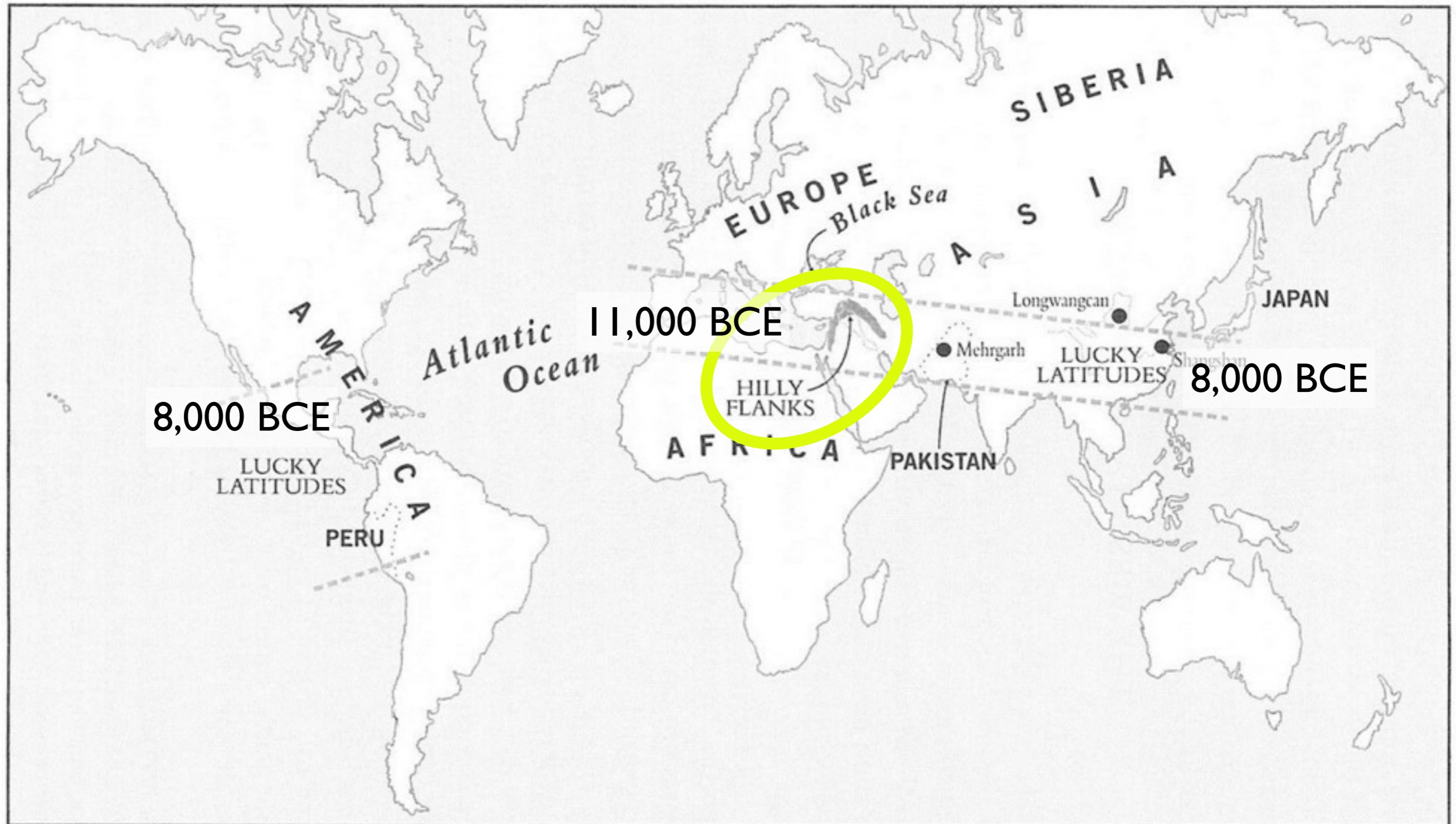
How We'll Proceed



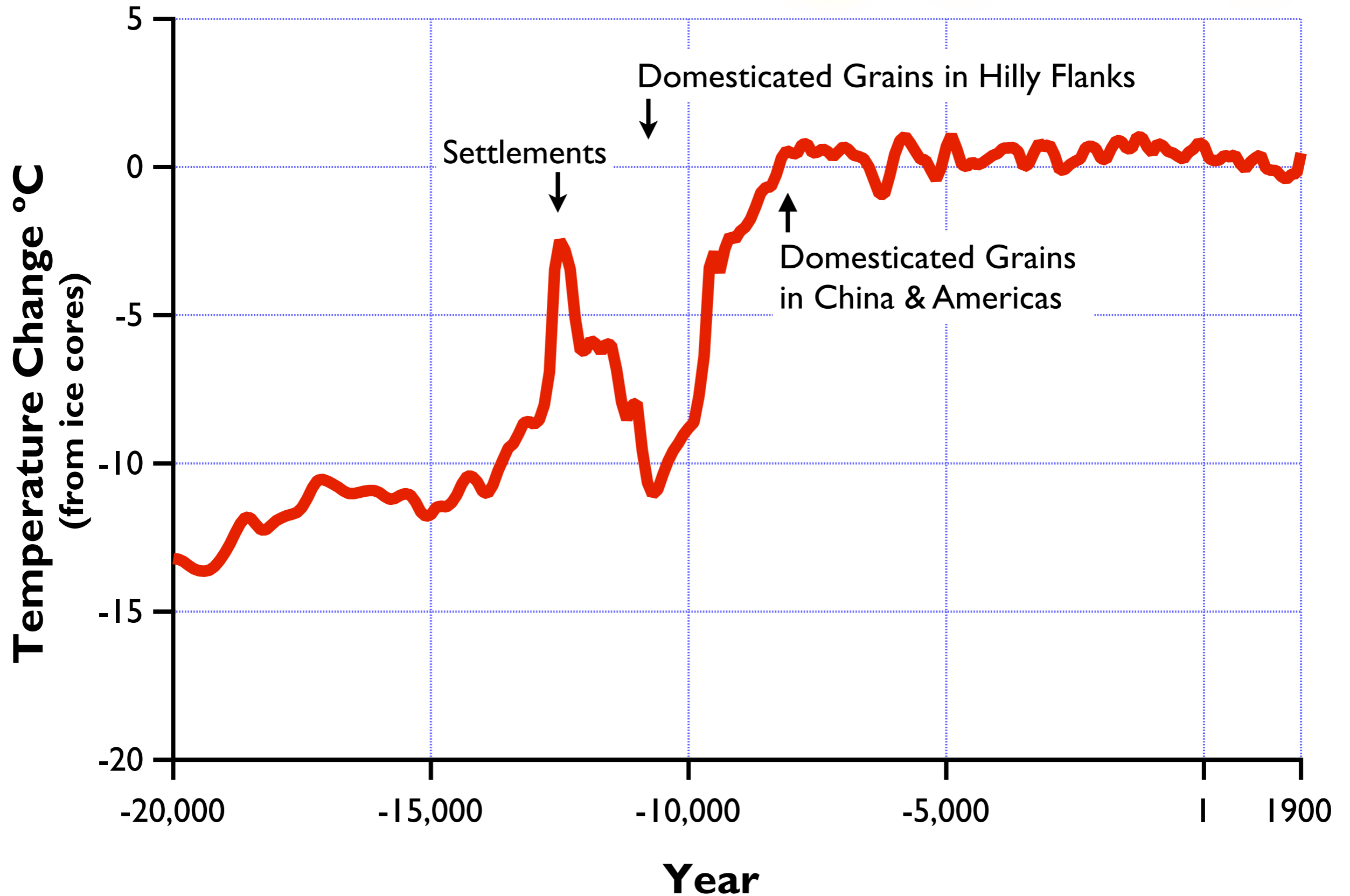
The Tribal-To-Empire Transition

<i>Quality</i>	Tribal	Transition	Empire
<i>Main Livelihood</i>	Hunting & Gathering	?	Agriculture
<i>Basis For Social Organization</i>	Kinship	?	Violence-Enforced Hierarchy
<i>Communications Level of Development</i>	Oral Stories, Songs and Verse	?	Elite Literacy

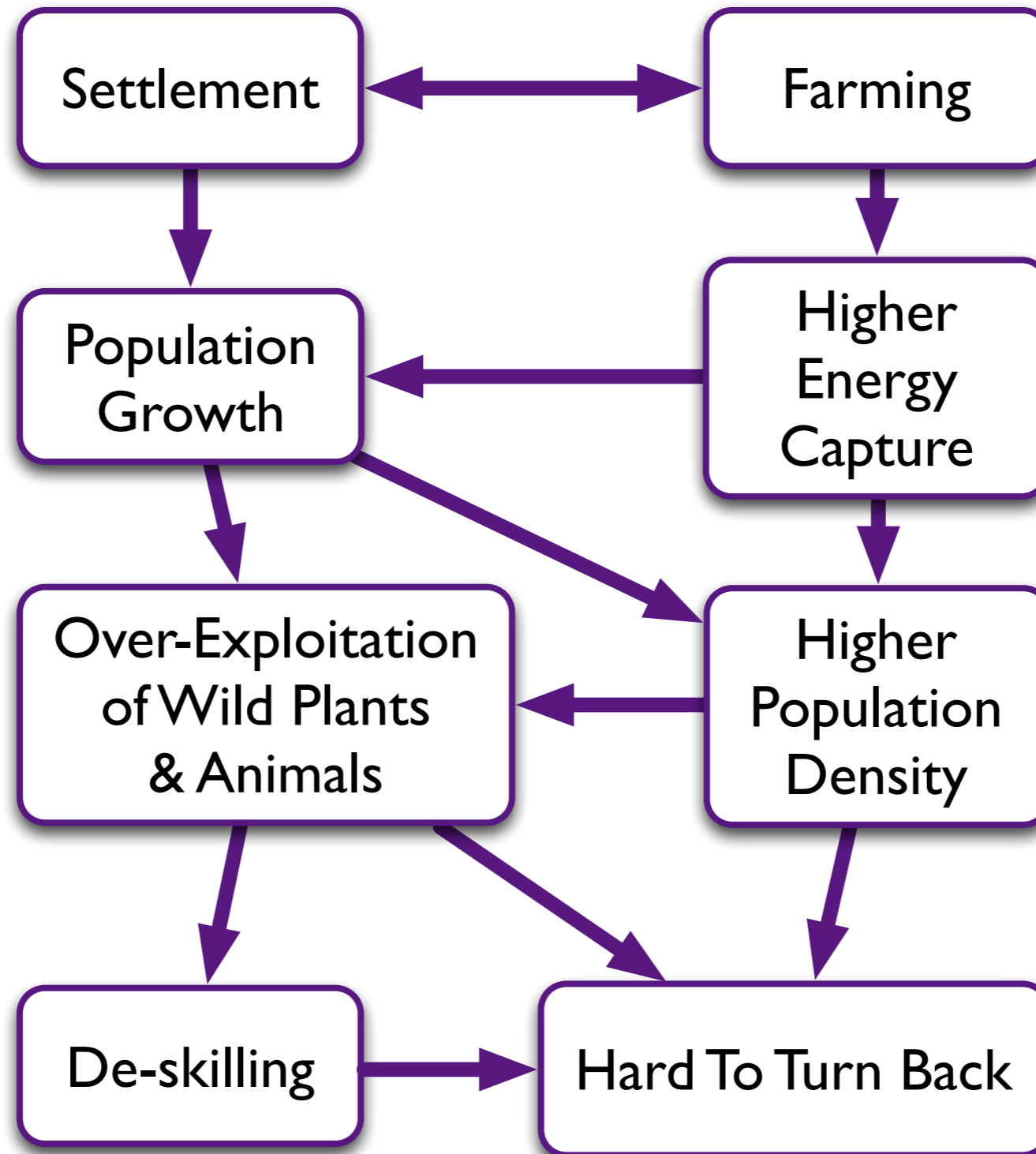
Lucky Latitudes For Agriculture



Global Climate Changes (Context)



Irreversible Transition to Agriculture

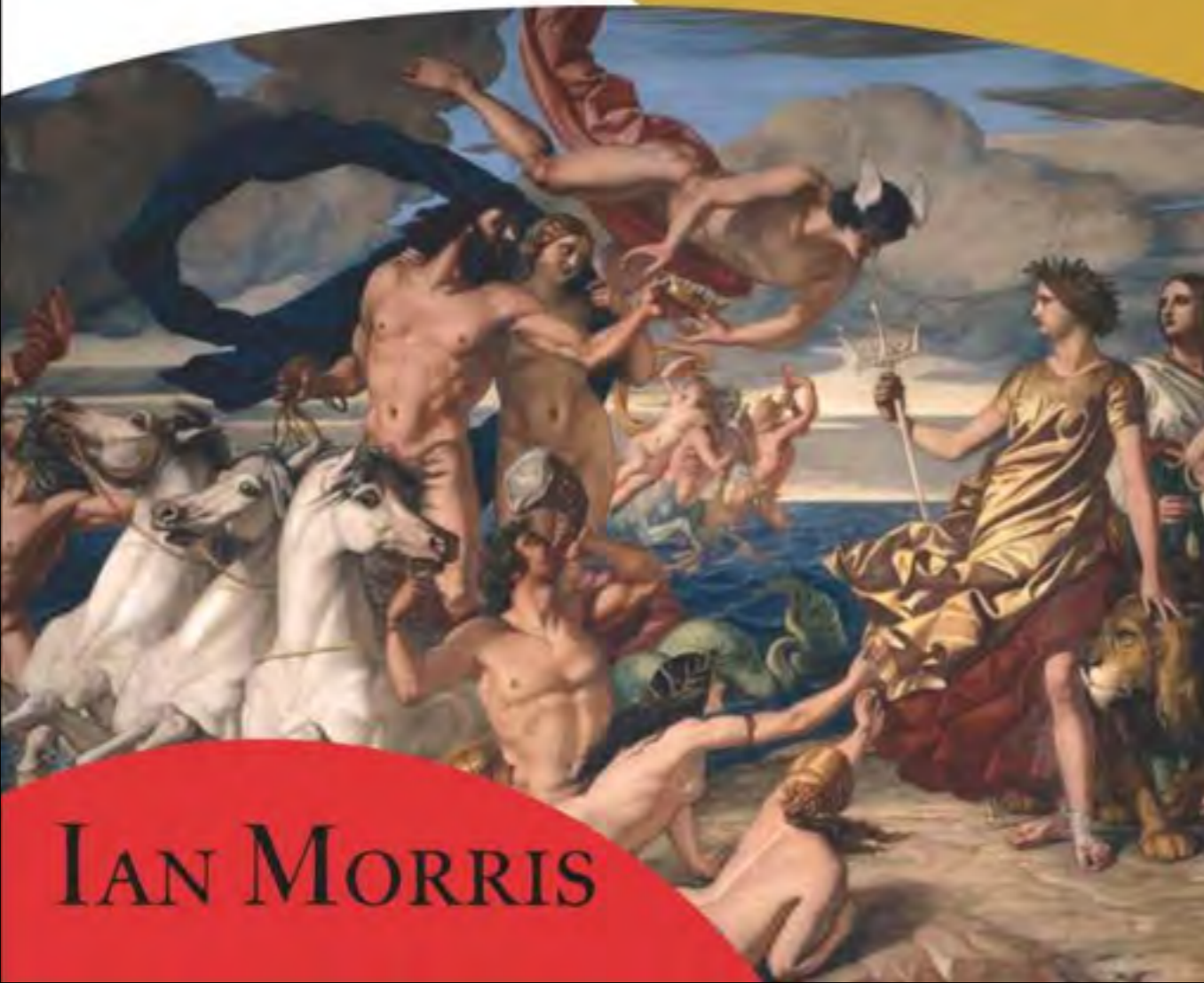


Kinship To Hierarchy

<i>Quality</i>	Tribal	Transition	Empire
<i>Main Livelihood</i>	Hunting & Gathering	Initiated by climate change; maintained by more energy /capita & /area	Agriculture
<i>Basis for Social Organization</i>	Kinship	?	Violence-enforced, Religiously-sanctioned Hierarchy
<i>Communications Level of Development</i>	Oral Stories, Songs and Verse	?	Elite Literacy

WHY THE WEST RULES—FOR NOW

The Patterns
of History, and
What They
Reveal About
the Future



IAN MORRIS

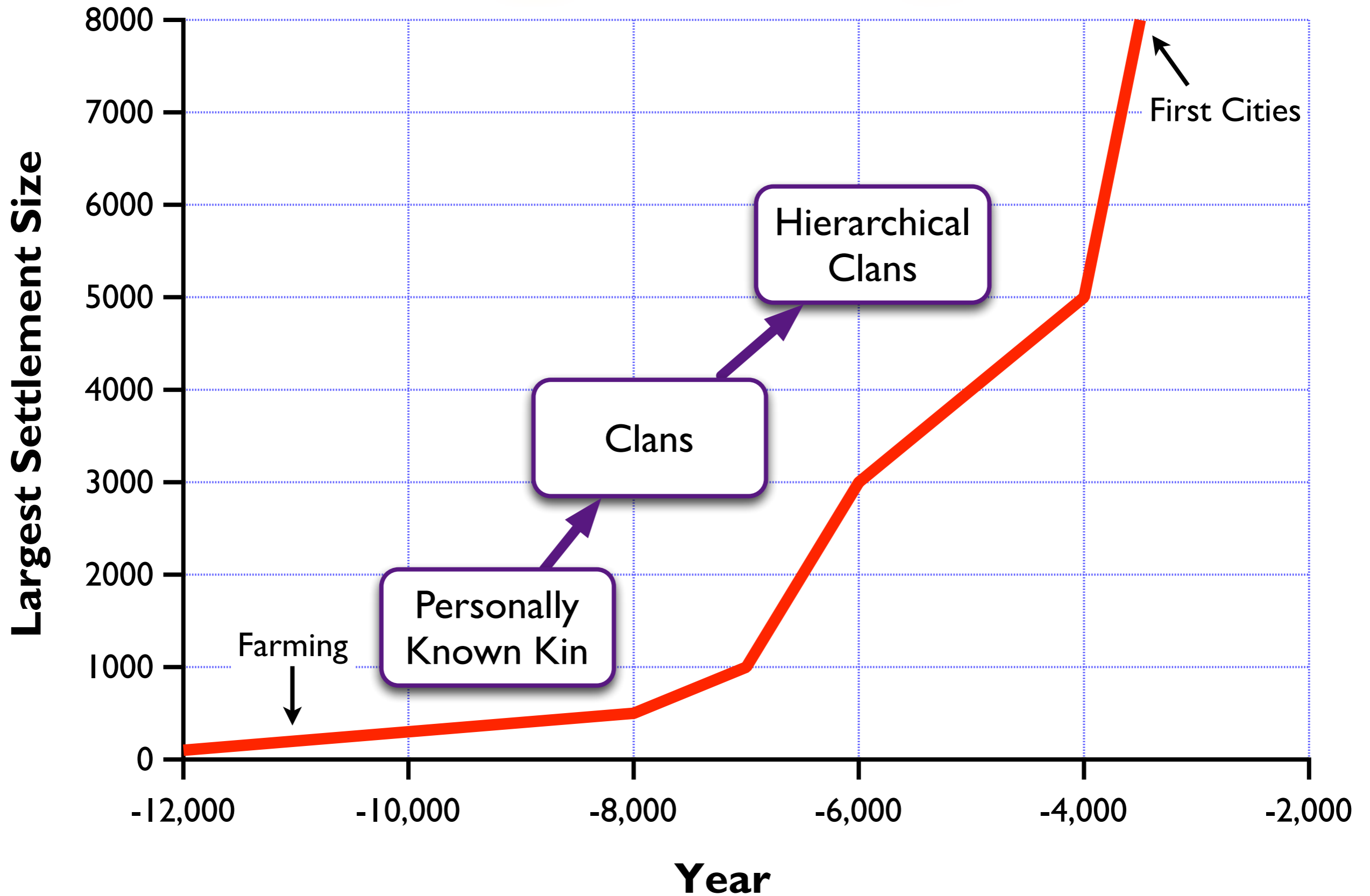
SOCIAL DEVELOPMENT

Ian Morris

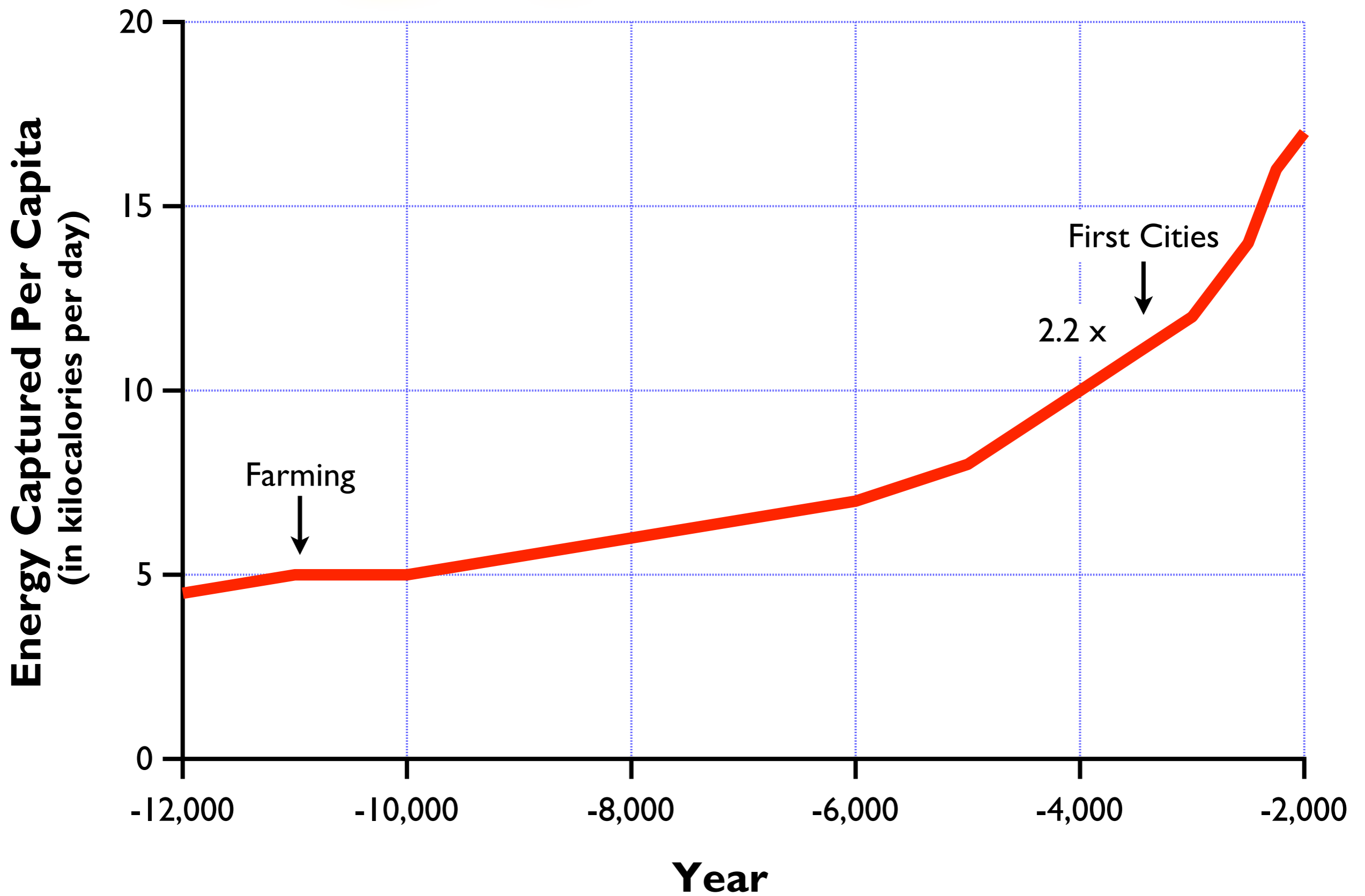
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<http://www.ianmorris.org>

Free pdf downloadable from
<http://ianmorris.org/docs/social-development.pdf>

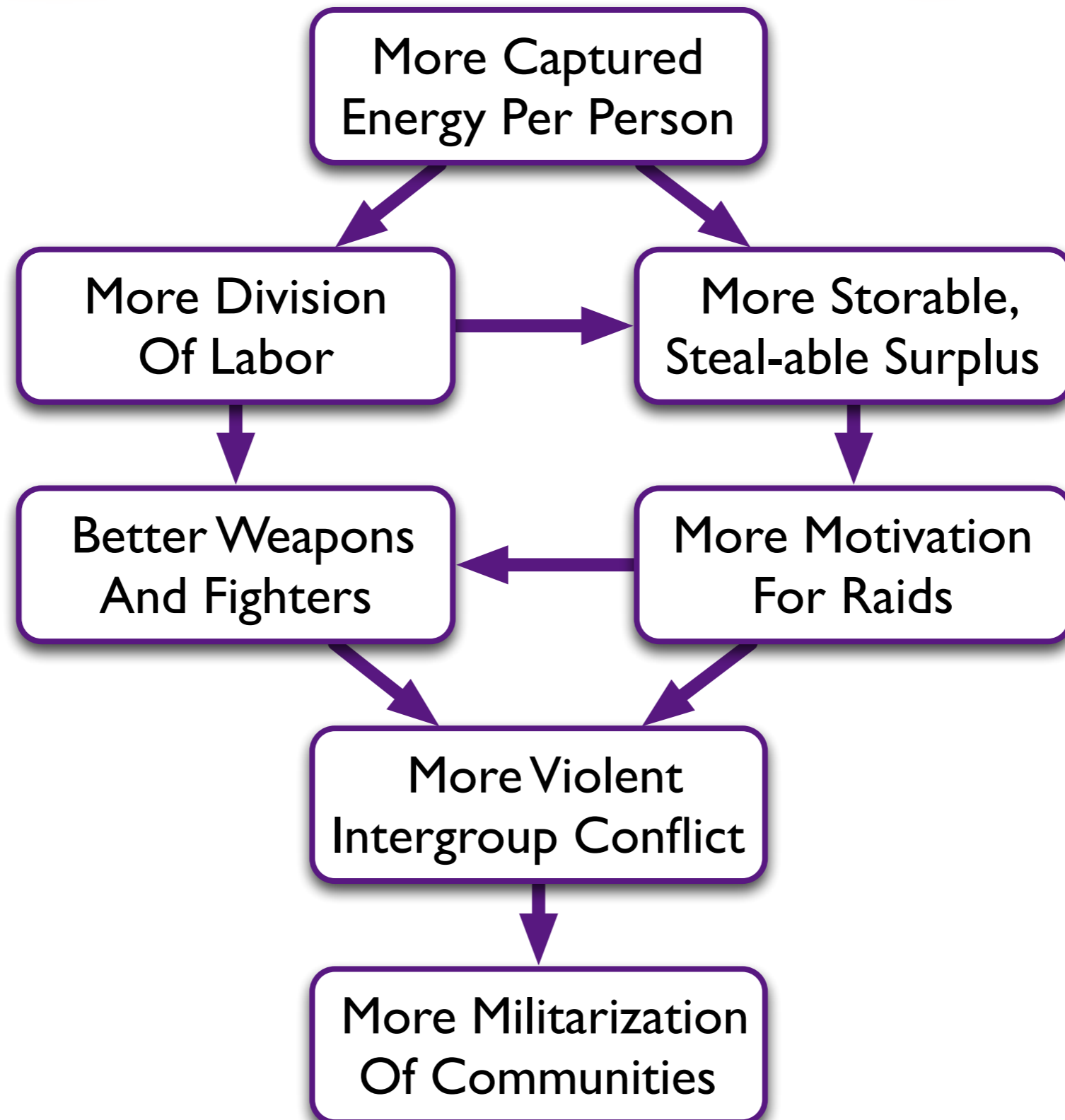
Scale Changes Social Dynamics



Energy Capture Per Person



Energy Changes Social Dynamics



Standard of Ur (war side)



Standard of Ur (hierarchy side)



Empire Era Hierarchy

Penetrates into all aspects of culture, e.g.

- * adults over children
- * men over women
- * powerful men and women over others
- * humans over nature
- * mind or spirit over the body
- * sky gods over everything

Orality To Literacy

<i>Quality</i>	Tribal	Transition	Empire
<i>Main Livelihood</i>	Hunting & Gathering	Initiated by climate change; maintained by more energy	Agriculture
<i>Basis for Social Organization</i>	Kinship	Driven by increase of community scale and wealth	Violence-Enforced, Religiously-Sanctioned Hierarchy
<i>Communications Level of Development</i>	Oral Stories, Songs and Verse	?	Elite Literacy

Transition To Literacy



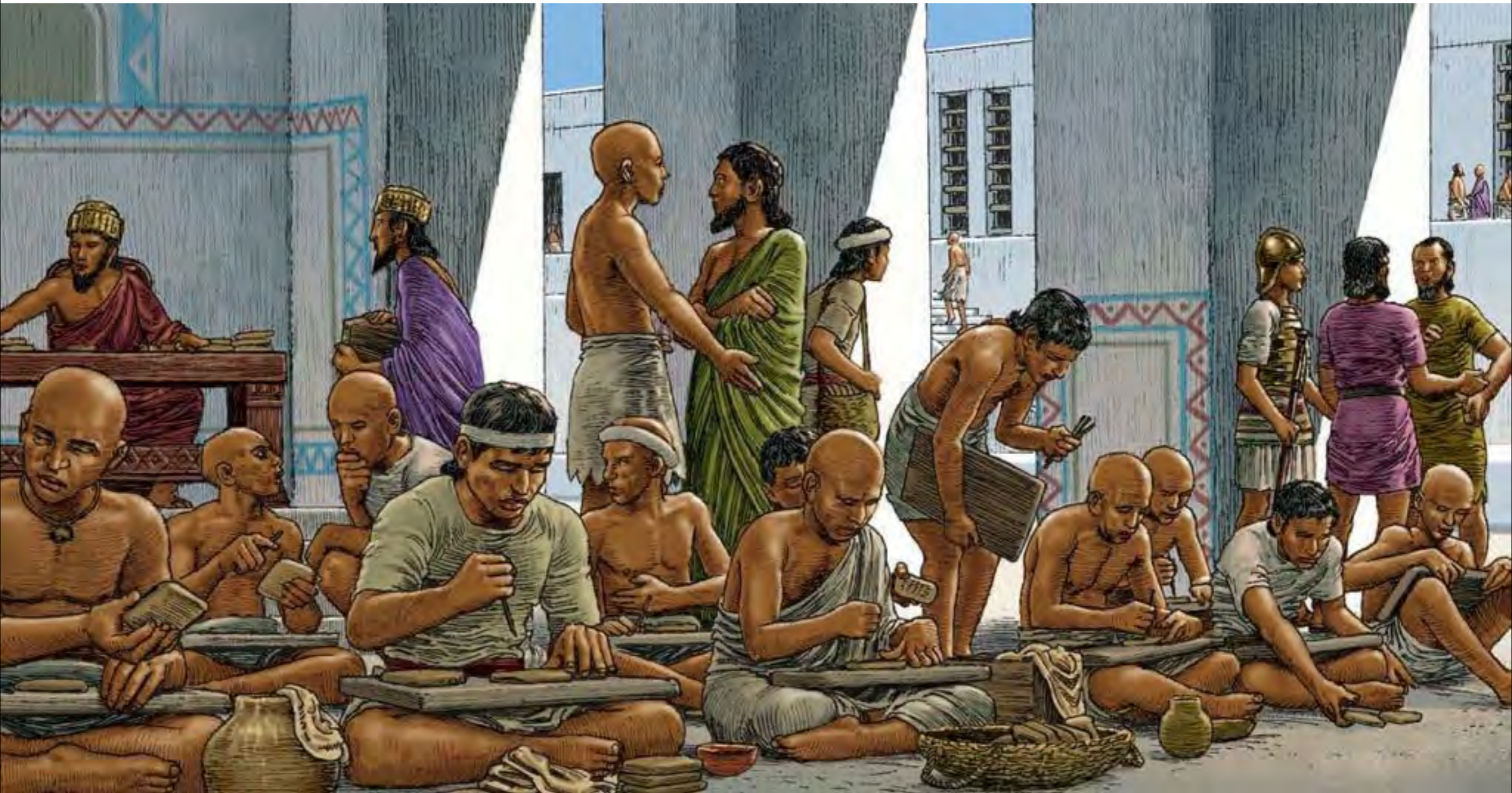
Numeric Tokens

Transition To Literacy



Record Of Silver For A Sumerian Governor

Transition To Literacy

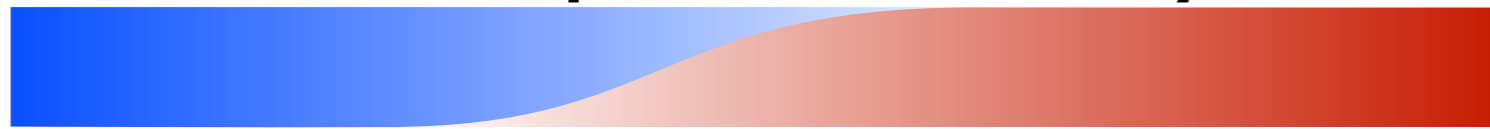


Transition Timing

Foraging to Agriculture



Kinship to Hierarchy



Orality to Literacy



Tribal
Domain



Transition



Empire
Domain

Lessons From The Transition

- The driving forces are gradual and unobtrusive
- Small changes can grow to irreversibility
- Changes in one part => destabilize other parts => change throughout the system
- Positive feedback loops go until a new stable configuration is found
- Old qualities (kinship, hunting & gathering, orality) never fully go away

Tribal Era



Empire Era

