

A satellite view of Earth from space, showing the Americas and surrounding oceans. The text is overlaid on the image.

I've never been more
encouraged about the
future than I am today

System
domains

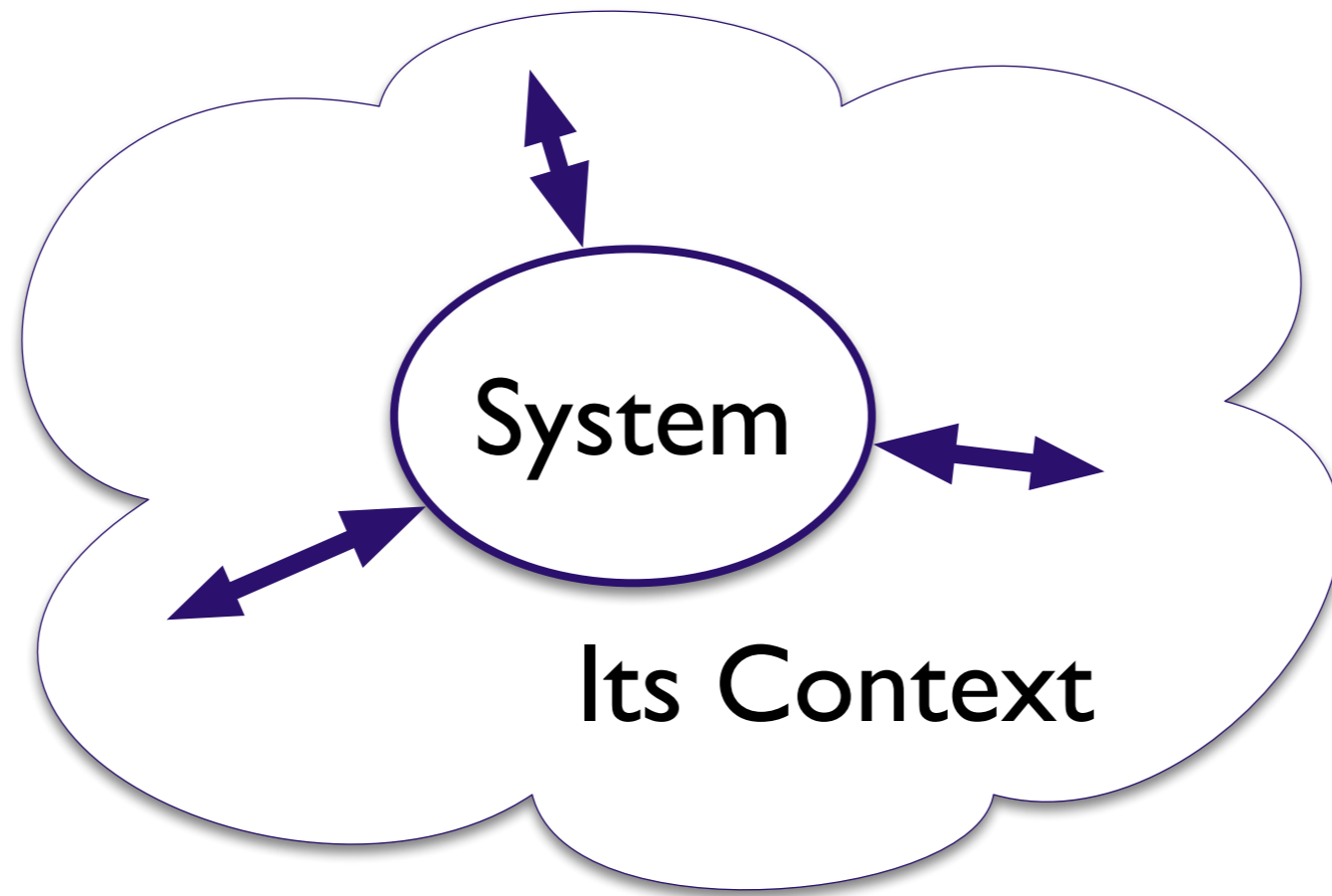


Where are we
in history?

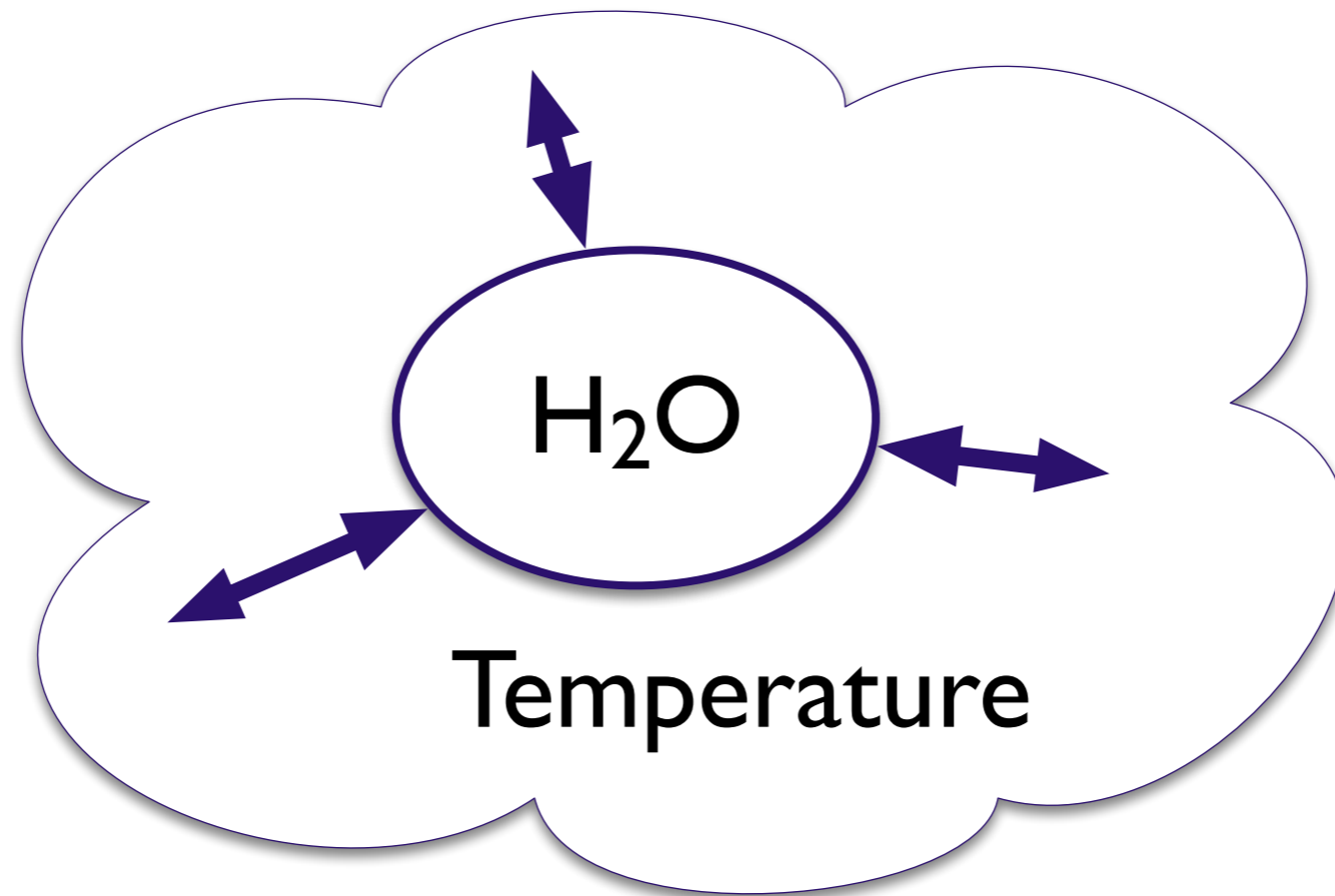


Working *with* the
momentum of history

System Domains



H₂O example



H₂O example

0°C



Solid

100°C

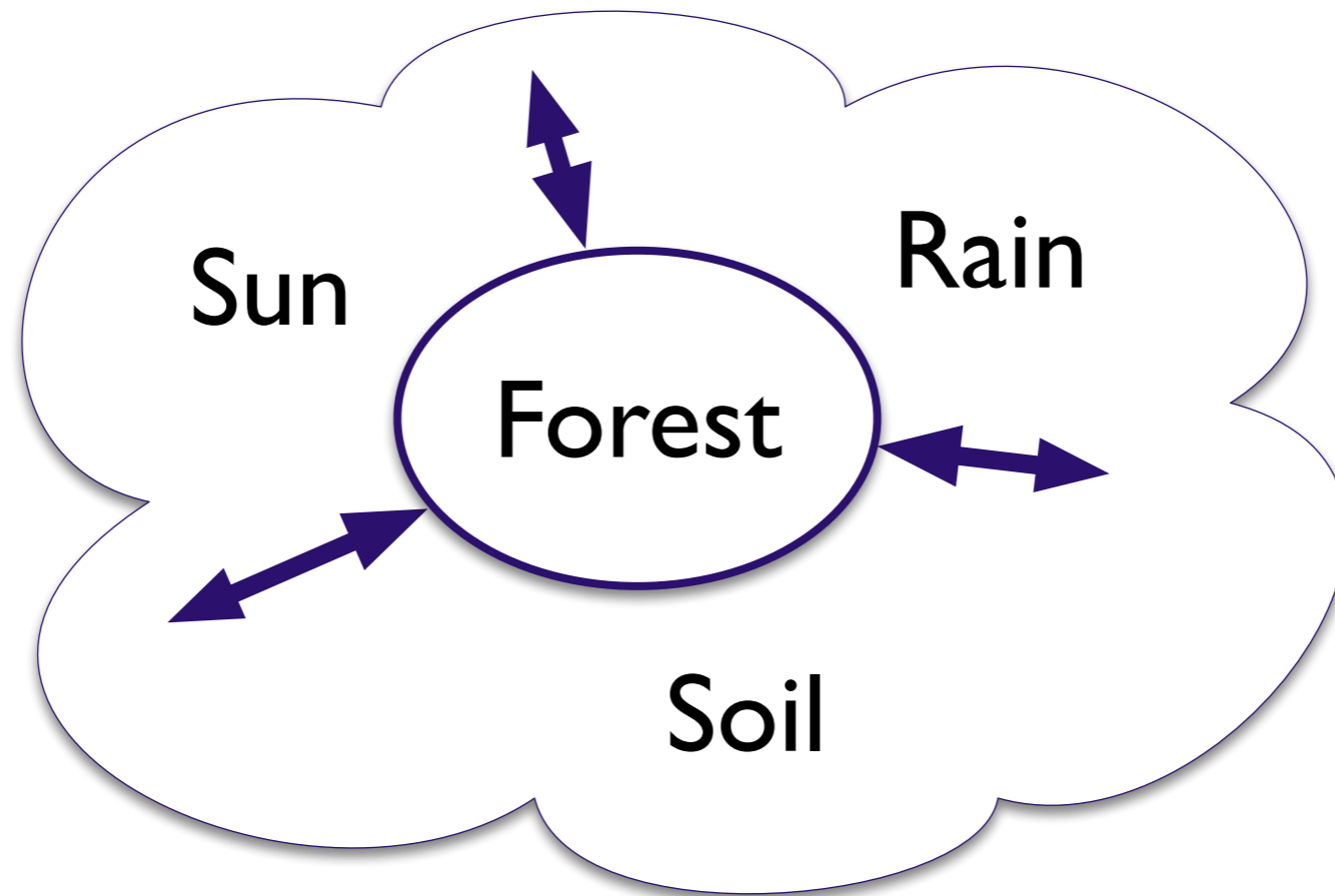


Liquid



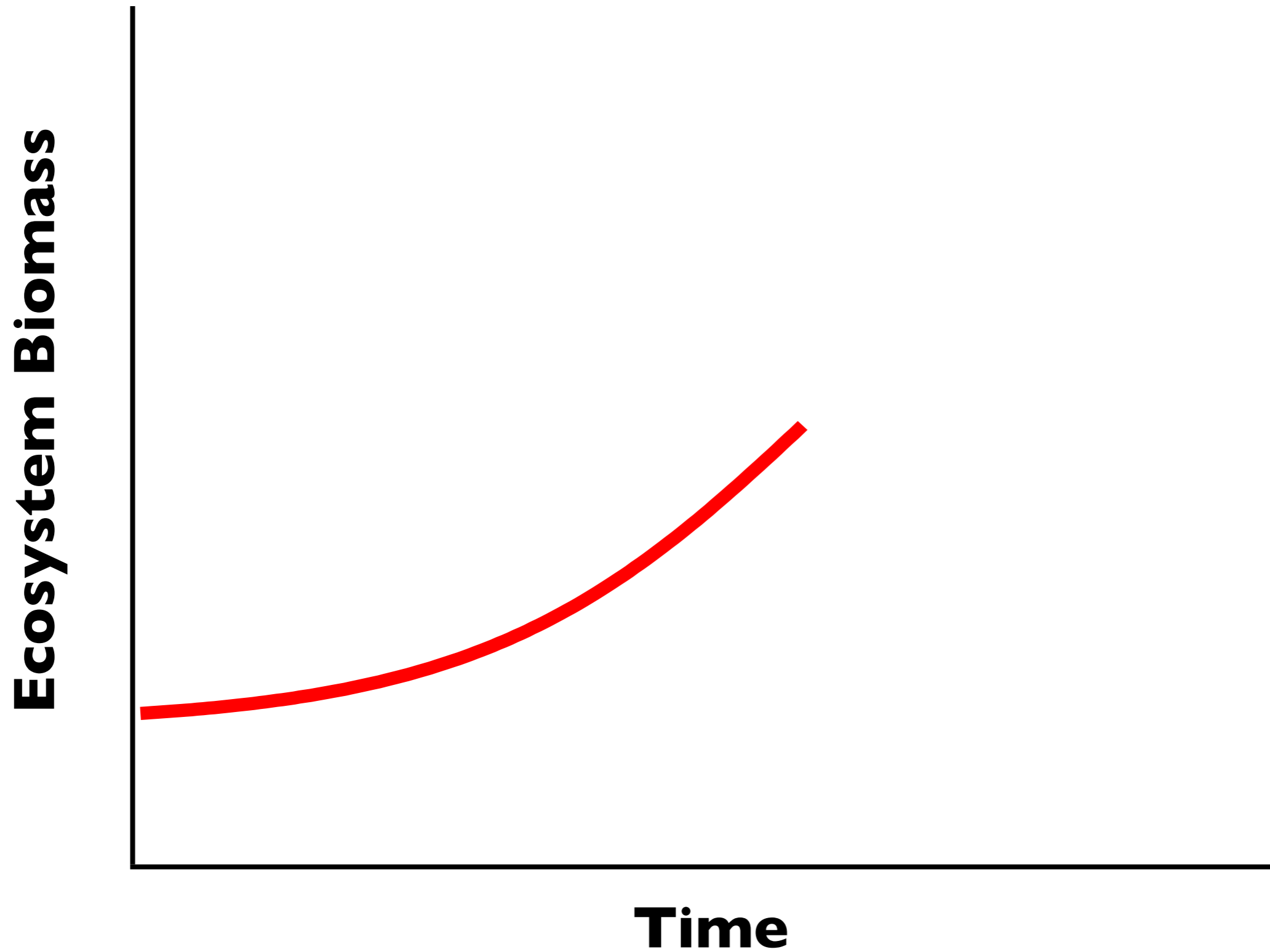
Gas

Ecosystem example



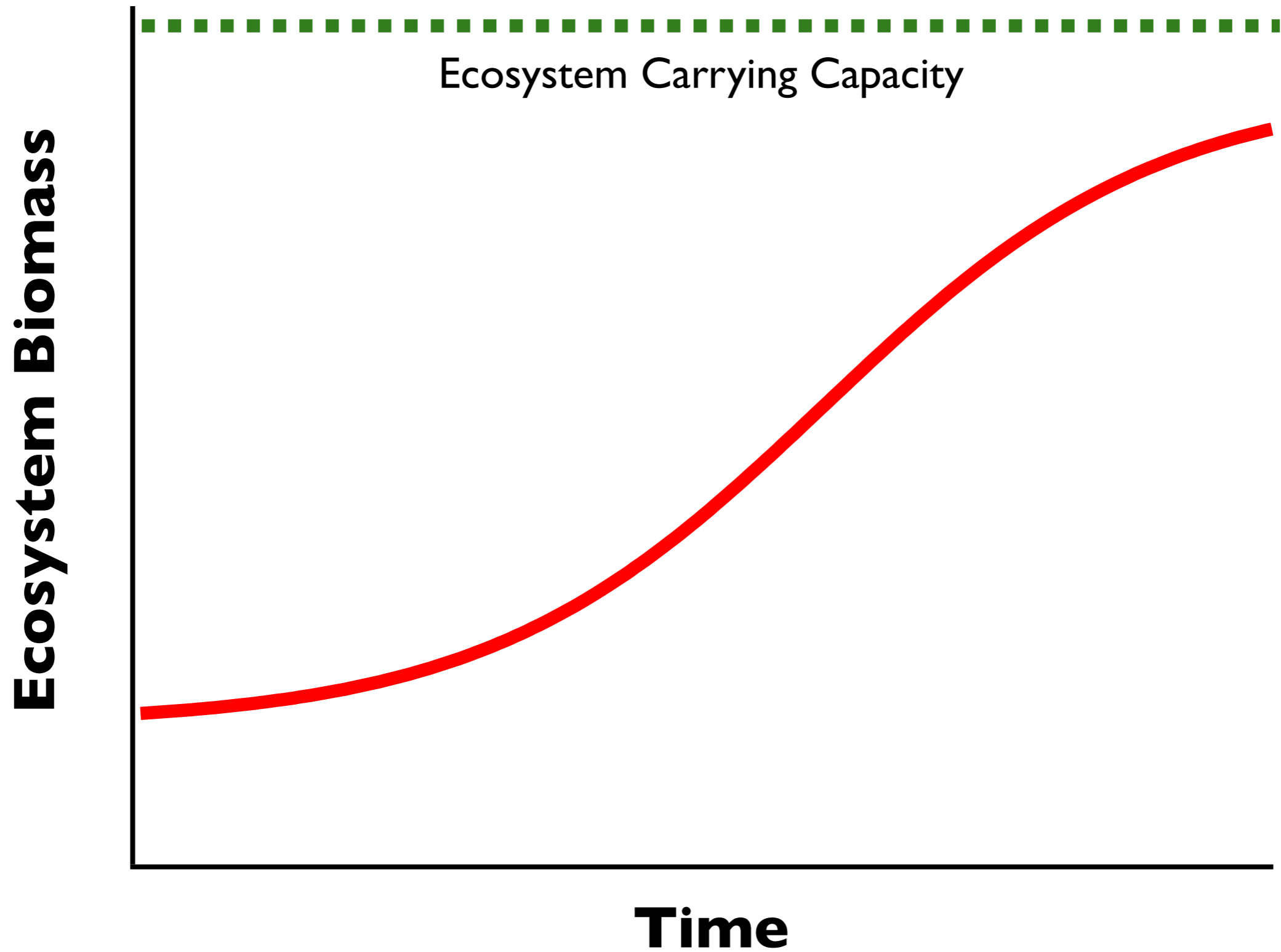


Ecosystem example

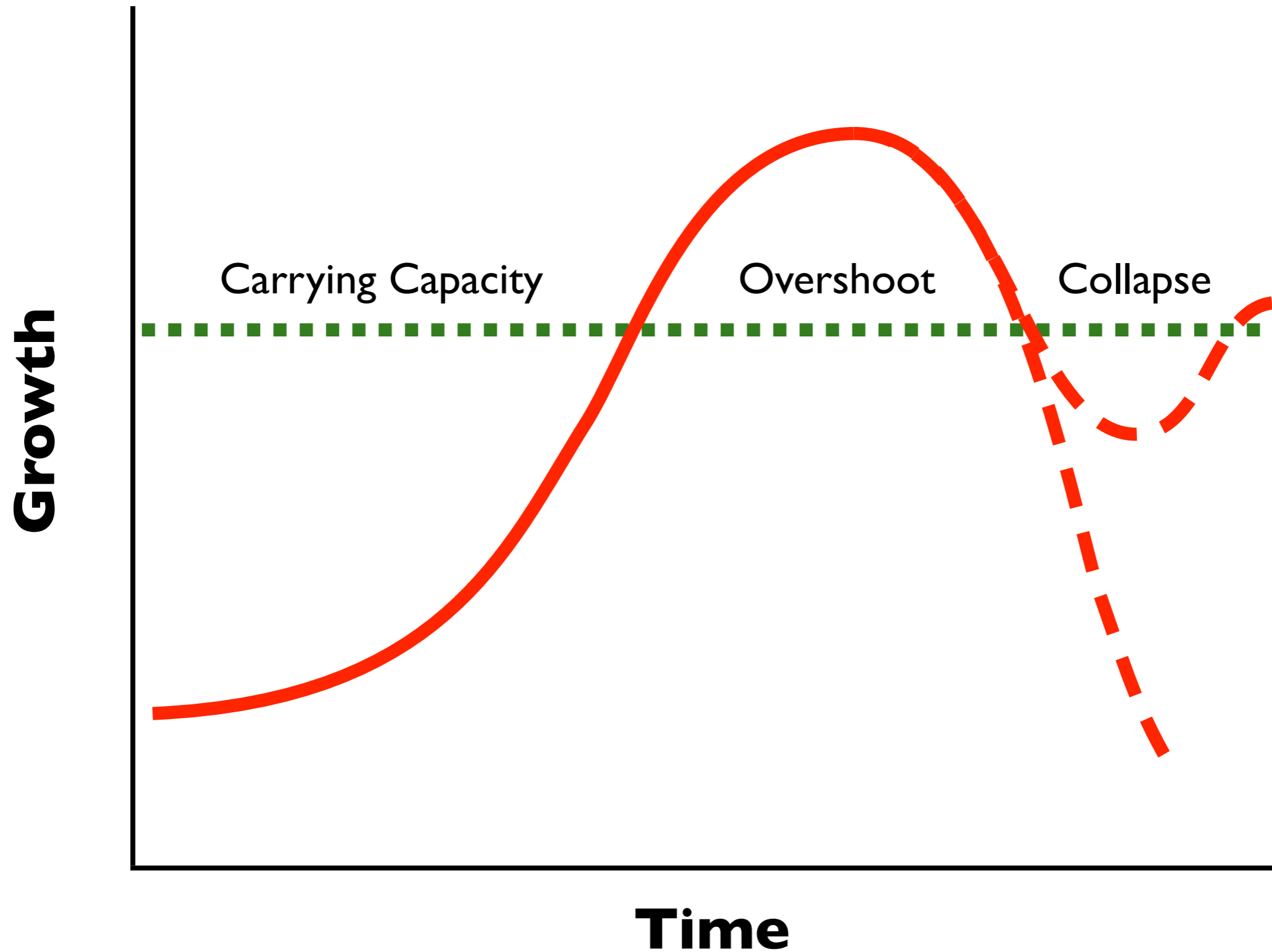




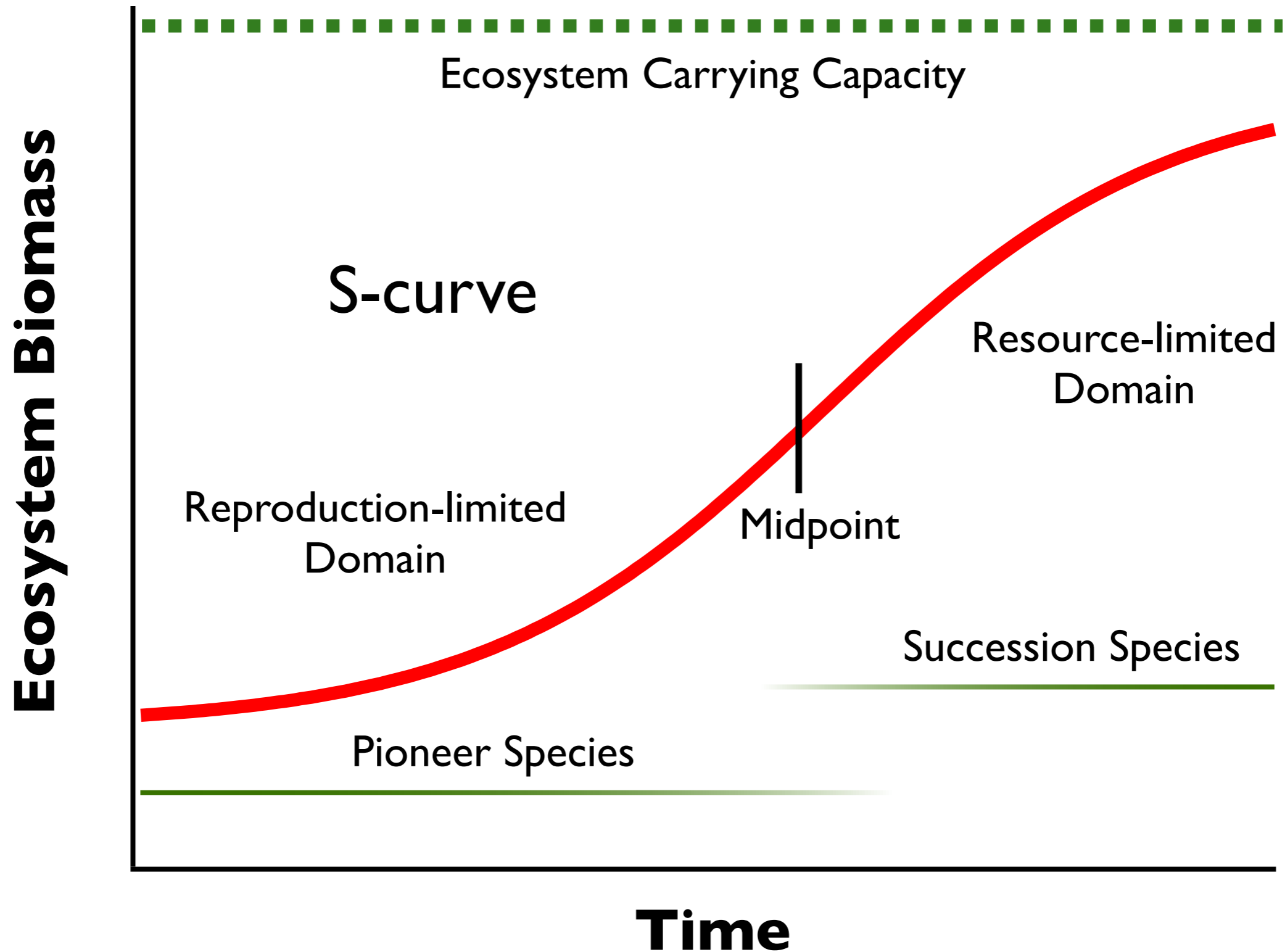
Ecosystem example



Time-lags Allow Overshoot



Ecosystem example



Success Strategies

<i>Attribute</i>	Pioneer	Succession
<i>Resource Consumption</i>	high	low
<i>Resource Efficiency</i>	low	high
<i>Growth Rate</i>	high	low
<i>Longevity</i>	short	long
<i>Diversity</i>	low	high
<i>Complexity</i>	low	high
<i>Relationship With Others</i>	isolated	cooperative

System Domains - Summary

- Created by *system-to-context* relationship
- Transitions can be *sharp* or *gradual*
- *System behavior changes across transition, sometime dramatically*
- One domain \neq whole character of system

Applying

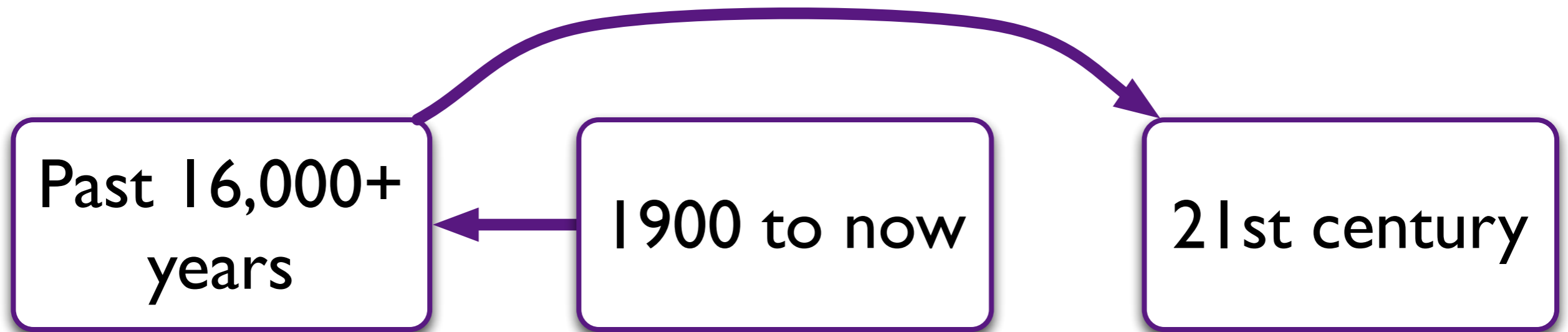
System
domains

to

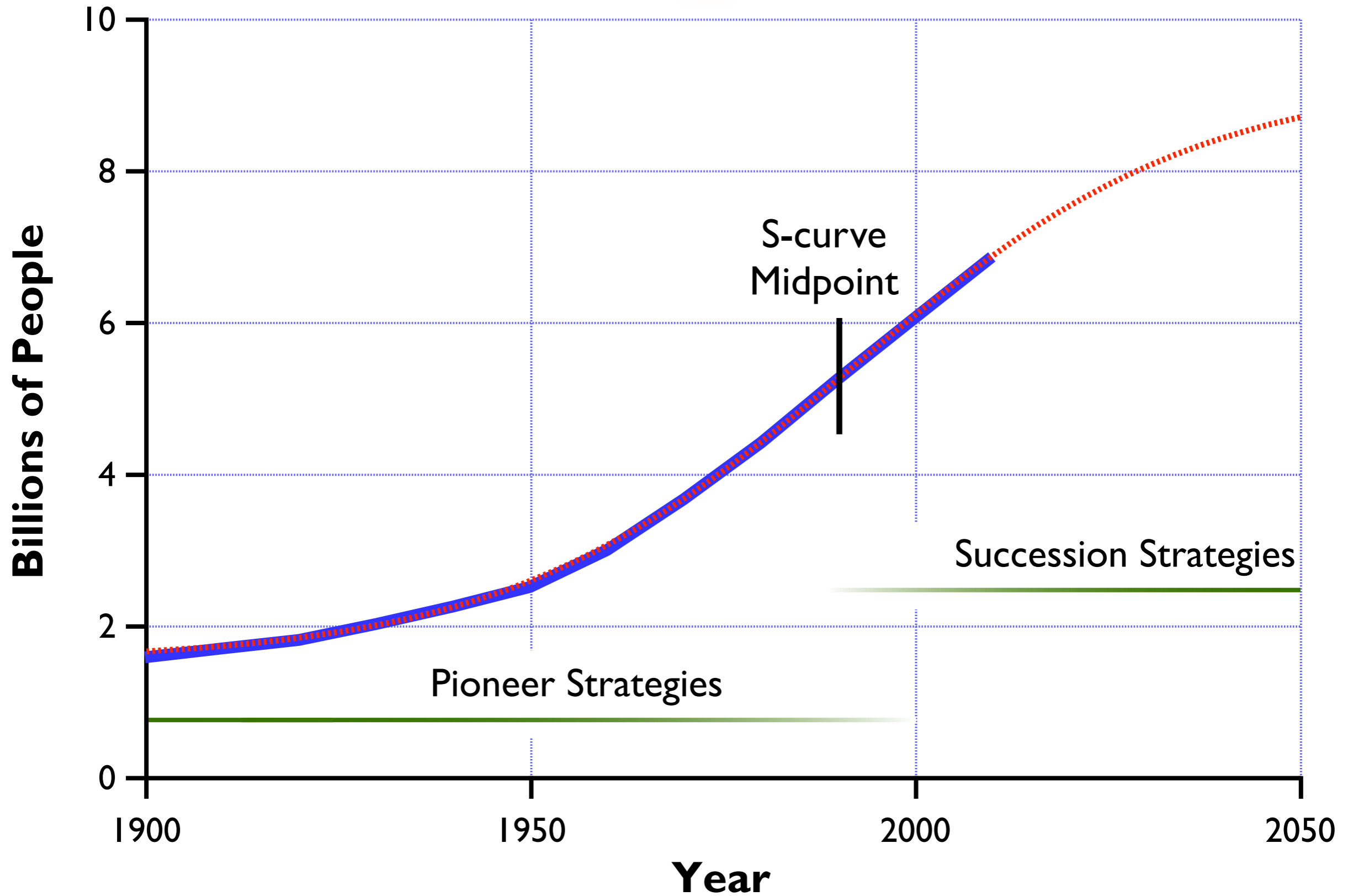


Where are we
in history?

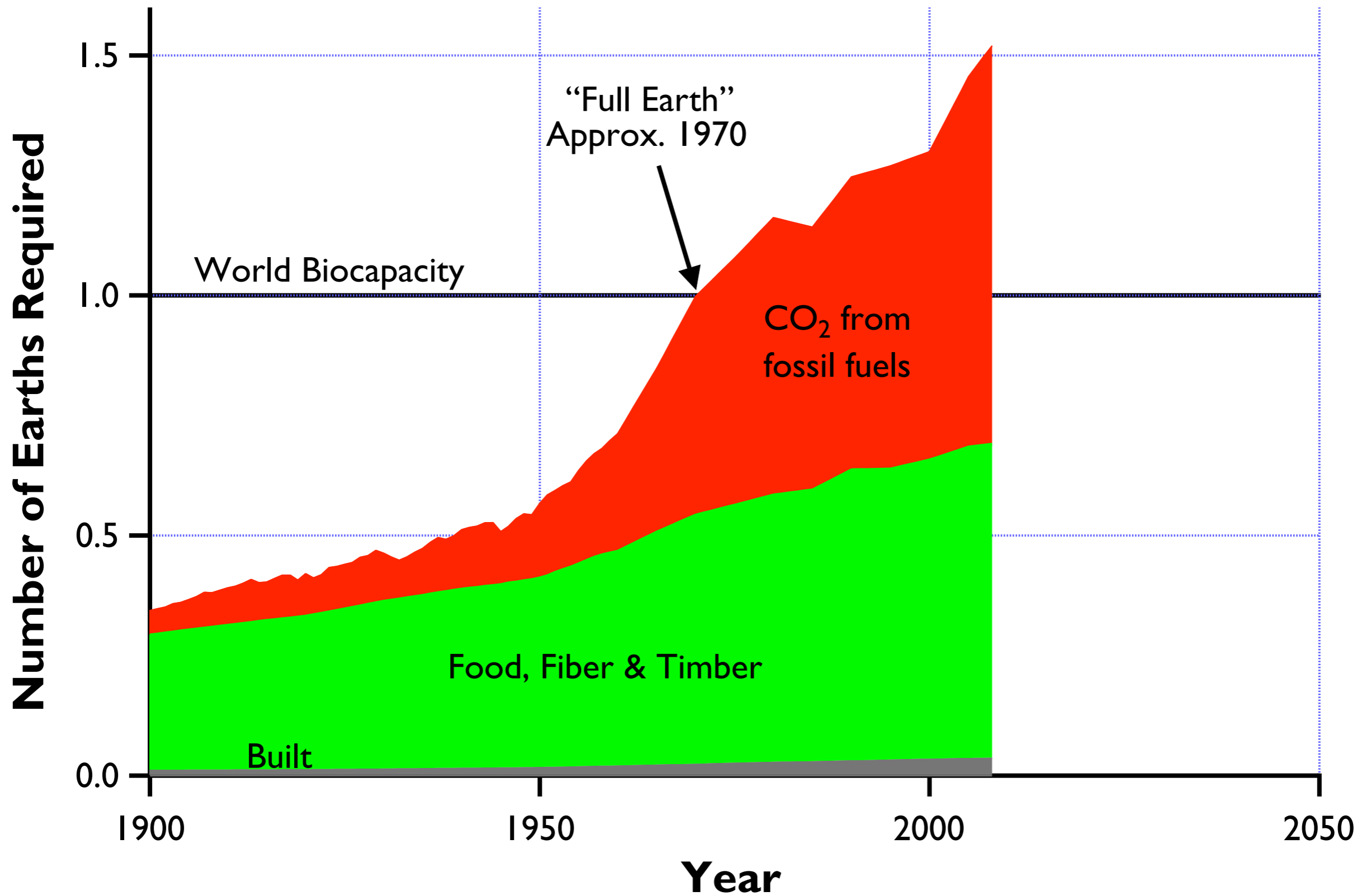
Where are we in history?



World Population



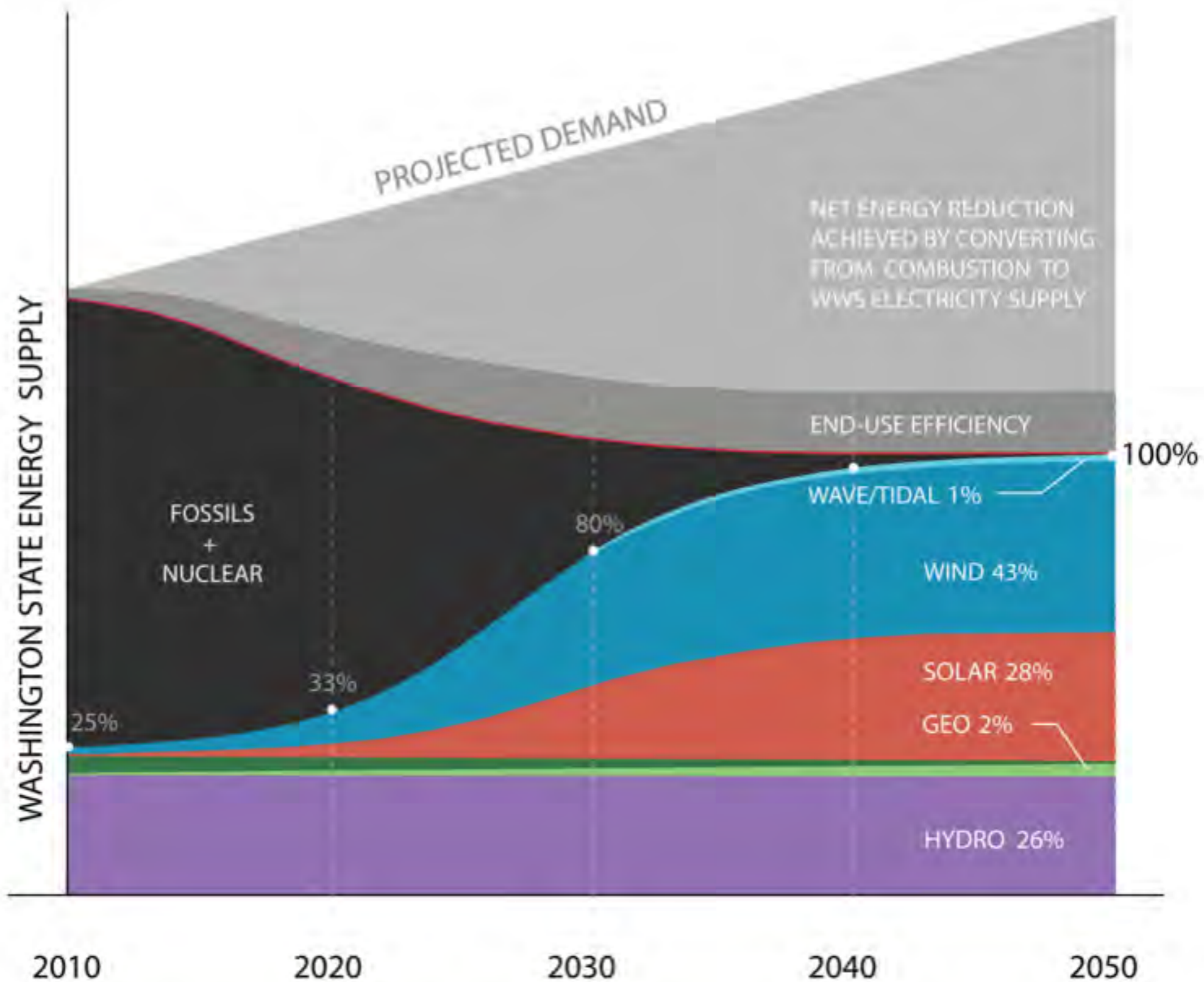
Humanity's Ecological Footprint



Limits-To-Growth Challenge

- *Non-renewable resources*
=> finite
- *Renewable resources*
=> maximum sustainable yields
- *Natural waste processing services*
=> maximum sustainable yields

100% Renewable Energy By 2050



World Population

