# Toward an Ecological Civilization

Vision, Principles, and Pathway

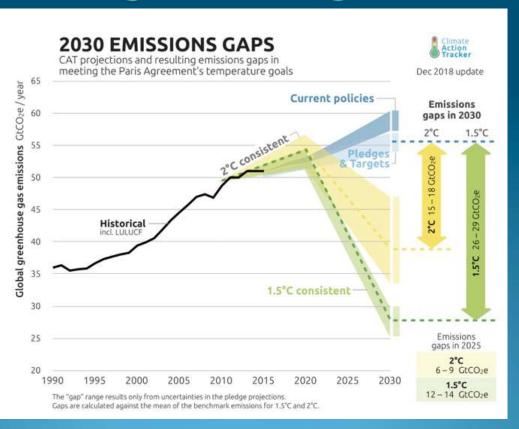
Presented by Jeremy Lent

# A Civilization Heading for Collapse

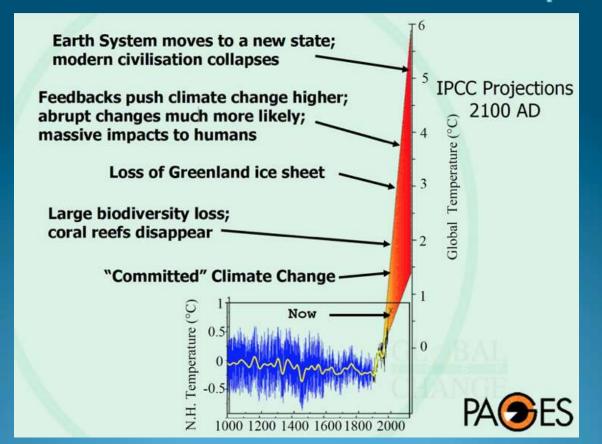
#### Our home



#### We're heading in the wrong direction...



## Serious risk of civilizational collapse





# **UN IPBES report**



# Half of all marine life lost in 40 years



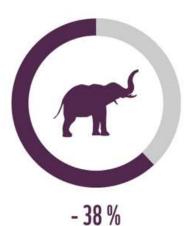
# Rainforests are disappearing



# Rainforests are disappearing



## 60% decline in animal populations

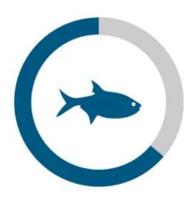


The terrestrial LPI shows that populations have declined by thirty-eight percent overall between 1970 and 2012.



-81%

The freshwater LPI shows that on average the abundance of populations monitored in the freshwater system has declined by eighty-one percent between 1970 and 2012.



- 36 %

The marine LPI shows a thirty-six percent overall decline between 1970 and 2012.

Insect collapse around the world



Insect collapse around the world



### Insect collapse around the world



### By 2050 there will be more plastic in the ocean than fish











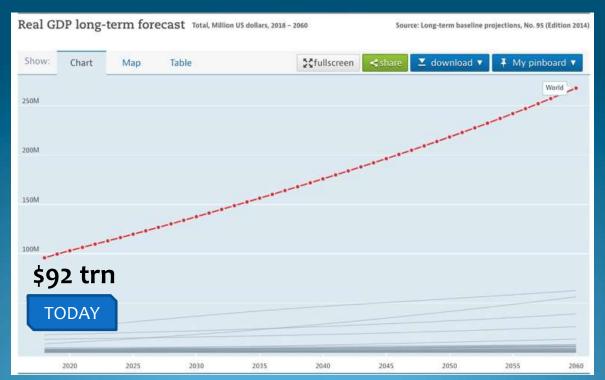
#### A system designed to mint billionaires



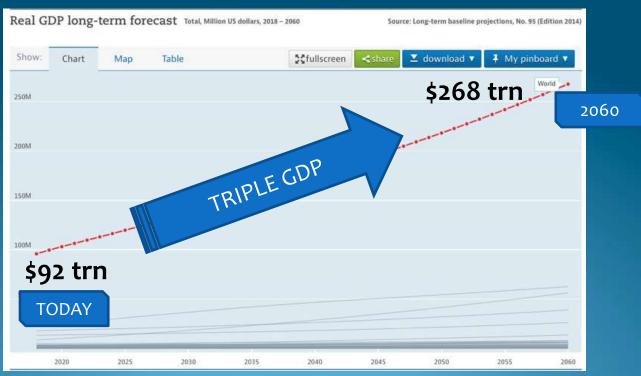
69 of the world's 100 largest economies are transnational corporations



## Global production today at \$92 trillion



#### Global production projected to triple by 2060



## How Did We Get Here?

JEREMY LENT



# THE PATTERNING INSTINCT

A Cultural History of Humanity's Search for Meaning

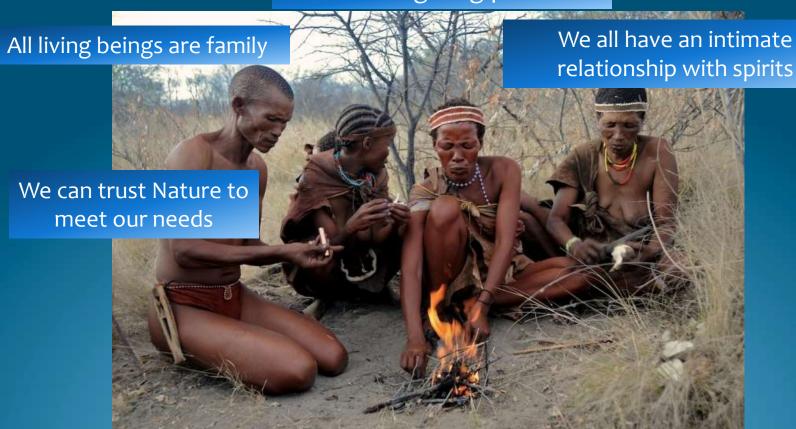
Foreword by FRITJOF CAPRA

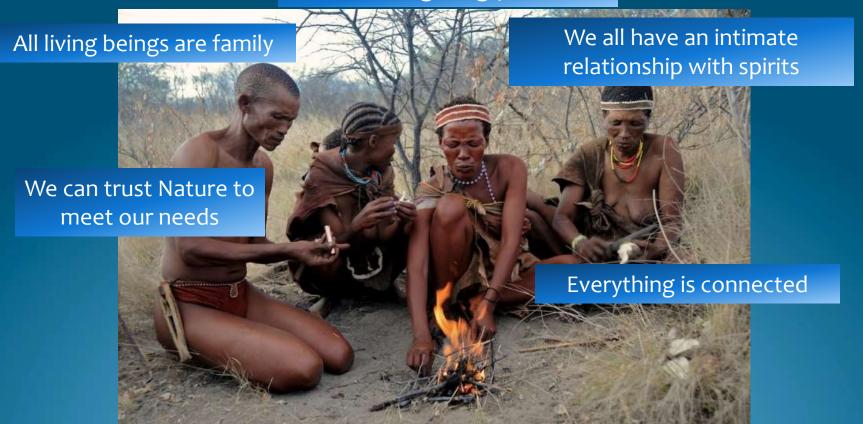
### Hunter-gatherers: Nature is a Giving Parent













## Great transitions in human history

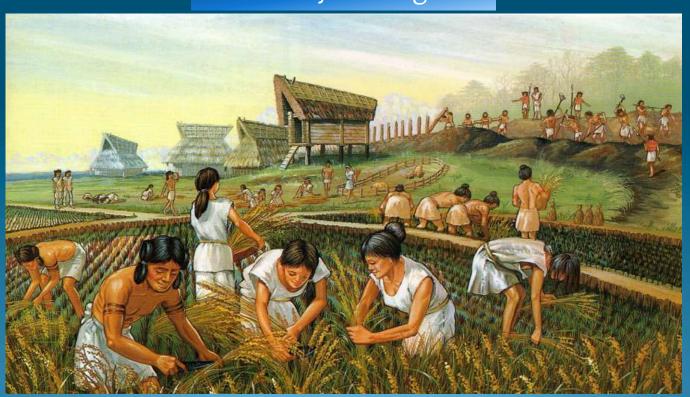


## Agriculture: emergence of separation

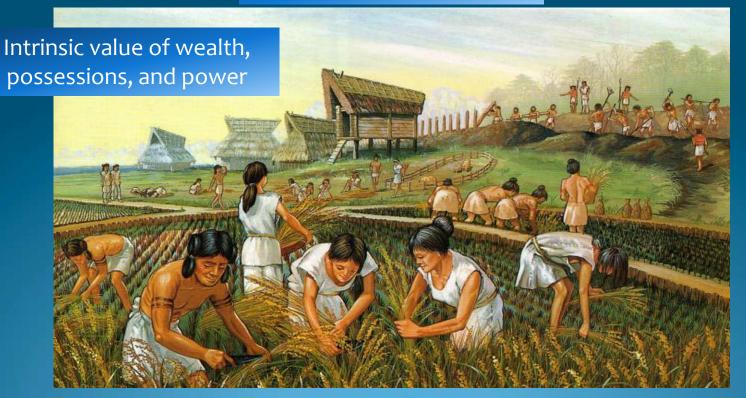


- ☐ Humans separate from Nature
- ☐ Humans separate from other humans

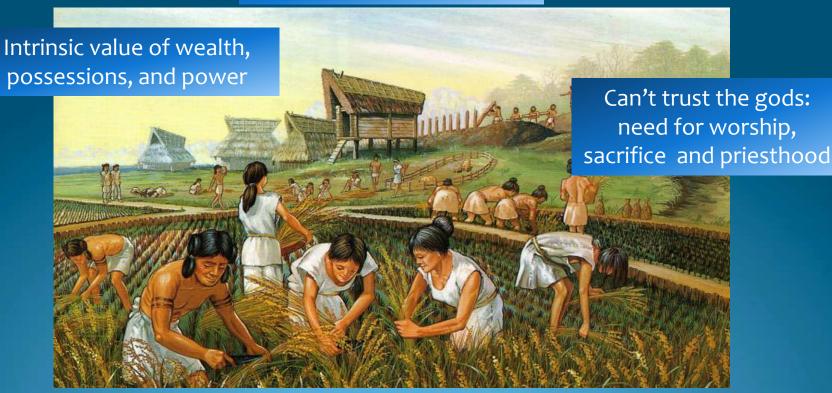
#### Hierarchy of the gods



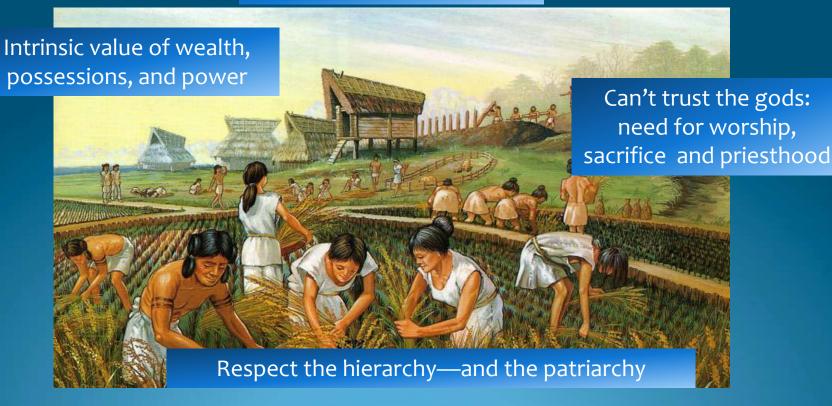
#### Hierarchy of the gods



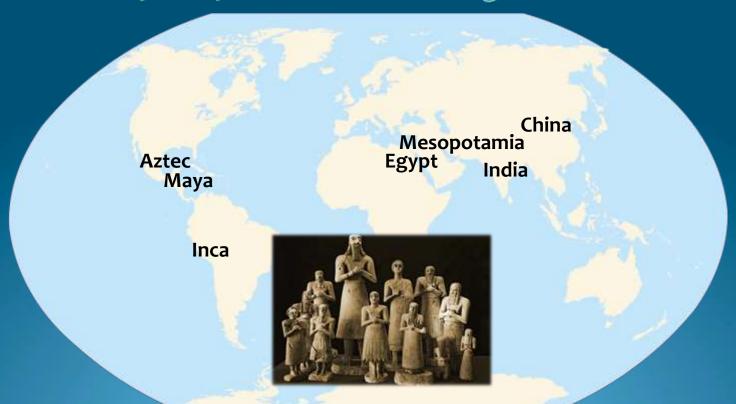
#### Hierarchy of the gods



#### Hierarchy of the gods



### Shared by early civilizations throughout the world



## Two unprecedented patterns of meaning



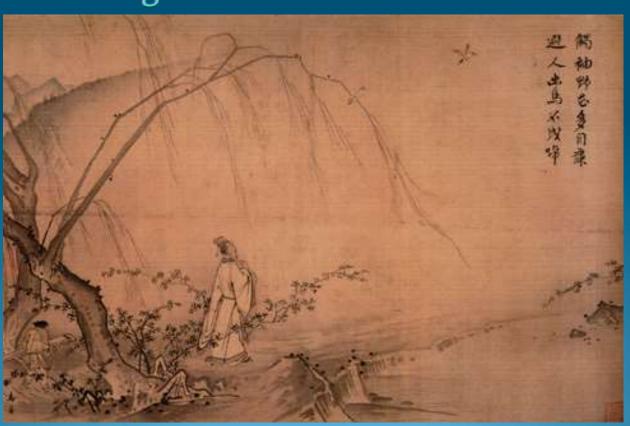
## Two unprecedented patterns of meaning



## An interconnected cosmos of yin and yang



# Pondering the Tao



### Harmonic web of life



## Two unprecedented patterns of meaning



## Dualism: split cosmos, split human



### **Christian Rationalism**



## God as the great clockmaker



# Great transitions in human history



## Nature's perfect geometry



### Scientific Revolution: Nature is a Machine







# The Conquest of Nature



"establish and extend the power of dominion of the human race itself over the universe"

"render ourselves the masters and possessors of nature"

Francis Bacon, prophet of the scientific age

## Conquering nature... and other continents



## The Modern Story













# Technology-driven zombie lifestyles



## The greatest inequality in history

Wealthiest 26 billionaires...





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Wealthiest 26 billionaires...





... Half the world's population

3.8 billion people

# Ransacking the earth



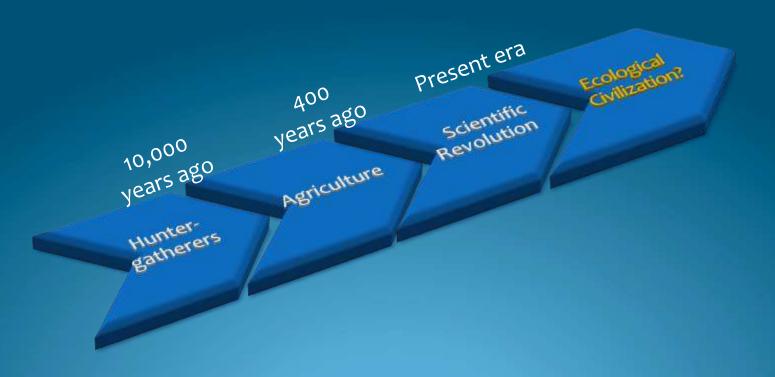
Tar sands extraction—Alberta, Canada

## Existential crisis of climate breakdown



Flooding in Bangladesh submerged one-third of the country in 2017

# Great transitions in human history



# **Ecological Civilization**

# What is an Ecological Civilization?

Transforming the basis of our global civilization



Wealth-based

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Transforming the basis of our global civilization



Global cultural/economic system promotes sustainable flourishing for humans and Earth

# Ecology: how living systems self-organize



## Ecologies can remain resilient for millions of years



# The Ecological Civilization story

"We are all interconnected in the web of life"



### **Principles of an Ecological Civilization**



## Respect the dignity of all people and groups



The inherent right of every person to participate in political power

## Symbiosis: living for the common good



Each party contributes and receives reciprocally

## Holarchy: each part of a greater whole



The health of the whole requires the flourishing of each part

## Society organized based on bioregions

- Regions have different needs and affinities based on their ecological context
- Communities connect with the land rather than global flows



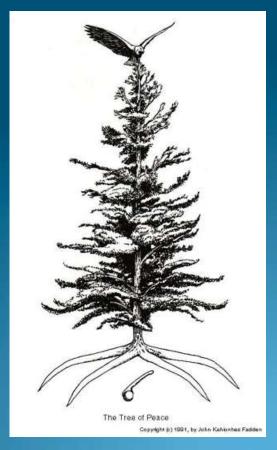
The bioregions of California

#### Recognizing humanity as embedded within the natural world



Slogan in Paris during COP21, 2015

## Sustainable flourishing into the long-term future



Constitution of the Iroquois Confederacy

"In our every deliberation, we must consider the impact of our decisions on the next seven generations."

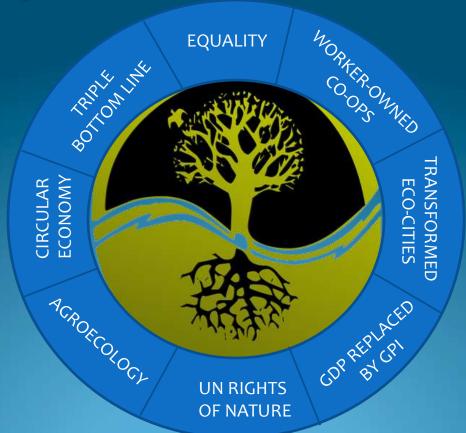
## Humility: recognizing the unpredictability of complex systems

The Web of Life



Human activity affects the entire system in nonlinear and unexpected ways

## An Ecological Civilization in practice



## Reduction in global income inequality



- ✓ Just transition from fossil fuel economy
- ✓ Global Wealth tax
- ✓ Universal Basic Income
- ✓ Property returned to the commons

# Corporations existing for humanity rather than shareholder returns

- Transnational corporations fundamentally reorganized
- **Triple bottom line** required for corporate charters
- Strict limits on advertising

#### **Triple Bottom Line**



#### Worker-owned co-ops becoming major force in global commerce



#### **Ecological values**

- Equity & Fairness
- Solidarity
- Social Responsibility
- Democracy
- Transparency

Circular Economy increases employment while

reducing waste

• Products designed for repair and recycling

- Sourcing from recycled materials
- Waste virtually eliminated



## Cities designed on ecological principles



- Community gardens on every block
- Extensive use of:
  - Energy efficient designs
  - Rooftops
  - Aquaponics
- Cars banned from city centers

## Agroecology replacing global industrial monocrops

- Based on permaculture principles
- Greater crop biodiversity
- Greater water & carbon efficiency
- Virtual elimination of synthetic fertilizer



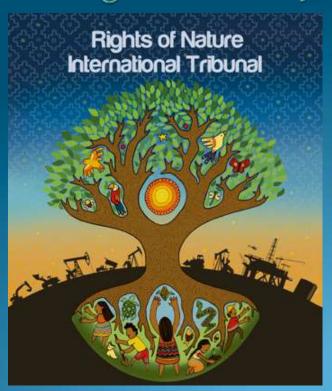
GDP replaced by Genuine Progress Indicator to measure national activity

#### Factors in:

- Negatives
  - Income inequality
  - Environmental pollution
  - Crime
- Positives
  - Volunteer work
  - Household work
  - Education



# UN Rights of Nature puts natural world on same legal standing as humanity



- Personhood given to
  - Ecosystems
  - High-functioning mammals
- Ecocide defined as an international crime

www.StopEcocide.earth

# Nonlinearity of Change

# Women's Suffrage

## 1897

- National Union for Women's Suffrage founded in England
- 3,000 people march in London for women's right to vote in 1907



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**1920s** 

Women gain right to vote:

UK 1918-28

US 1920

France 1944

Mexico 1947

## **Civil Rights in United States**

## 1955

- Rosa Parks arrested for refusing to give up her seat in the bus
- Montgomery Bus Boycott lasts over a year
- Black churches burned, black citizens arrested

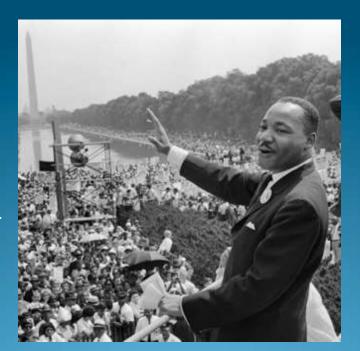


Rosa Parks

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Martin Luther King

## 1963-64

- March on Washington in 1963 with 200,00+ people
- Martin Luther King:"I have a dream"
- Civil Rights Act passed into law by President Johnson

## Same sex marriage

## 1996

- Defense of Marriage Act (DOMA) passed by both Houses of Congress with large, veto-proof majorities
- Signed into law by President Bill Clinton
- Codified non-recognition of all same-sex marriages for all federal purposes



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#### 2015

- DOMA completely overturned
- Federal government recognizes same sex marriage with full benefits
- More than 55% of
  Americans approved
  same sex marriage by this
  time

### #MeToo movement

#### 2006

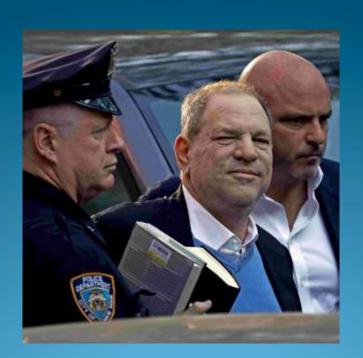
Civil rights activist
Tarana Burke uses
phrase "Me Too"
to raise awareness
of sexual assault



#### #MeToo movement

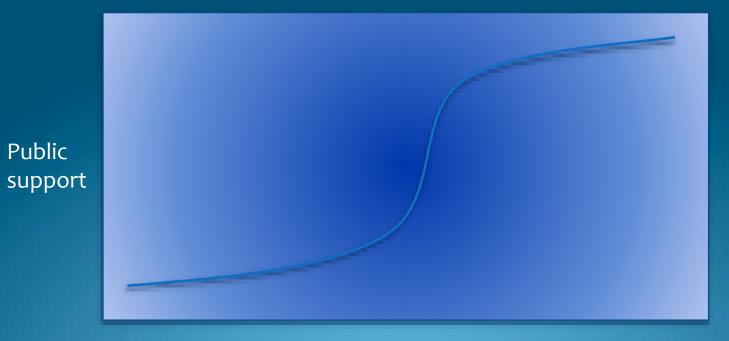
2006

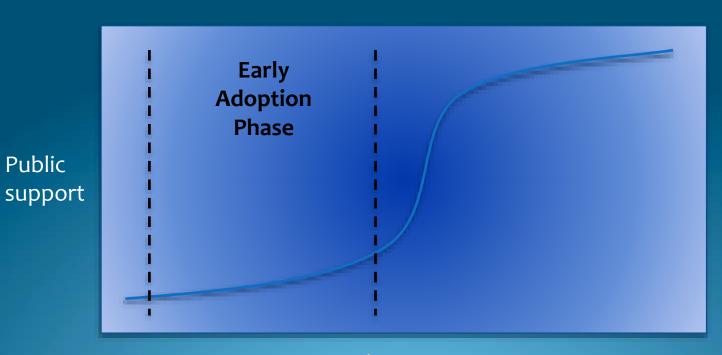
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#### 2017

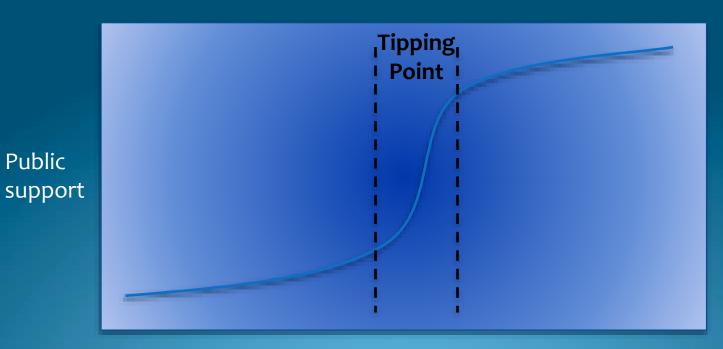
- #MeToo hashtag goes viral
- Harvey Weinstein arrested for sexual assault
- Potentiates movement to transform abusive cultural norms





Time

**Ideological lock-in Early** Adoption People stick with received Phase attitudes and opinions, even when they become Public out-of-date support Social rigidity Political inertia "It'll never happen"



Public

,Tipping, Crescendo of change **Point**  Influential thought leaders attract increasing numbers Public "Stickiness" of old support thinking superseded by pull of new ideas "Herd instinct" shifts direction towards new thinking

Widespread **Adoption** 

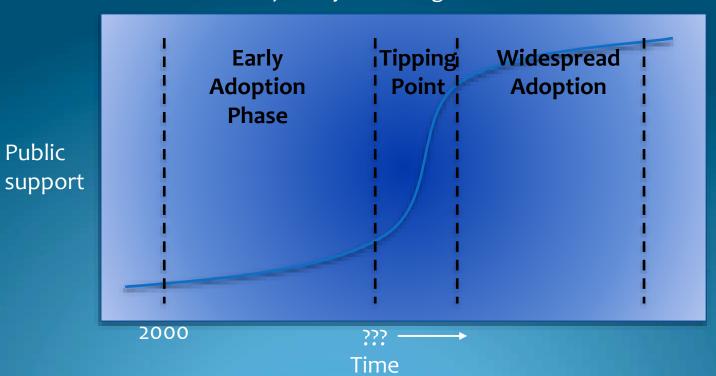
Public

support

New stable state Widespread New ways of **Adoption** thinking institutionalized support Die-hard reactionaries in the minority "It was inevitable"

Public

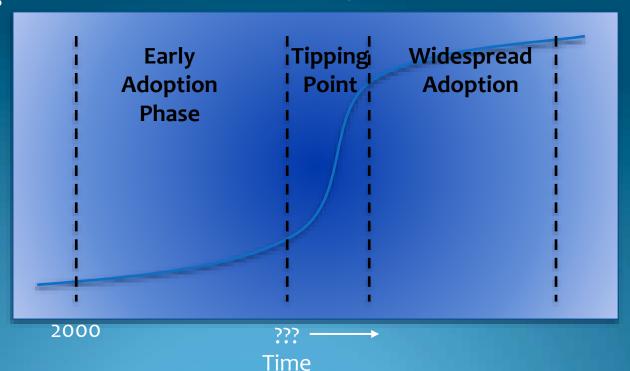
Trajectory to Ecological Civilization



#### Magnitude of crisis

- Climate emergency
- Global inequality
- Environmental collapse
- Breakdown of political norms

Trajectory to Ecological Civilization



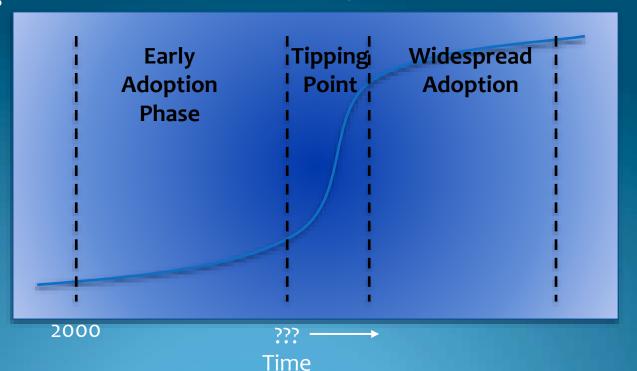
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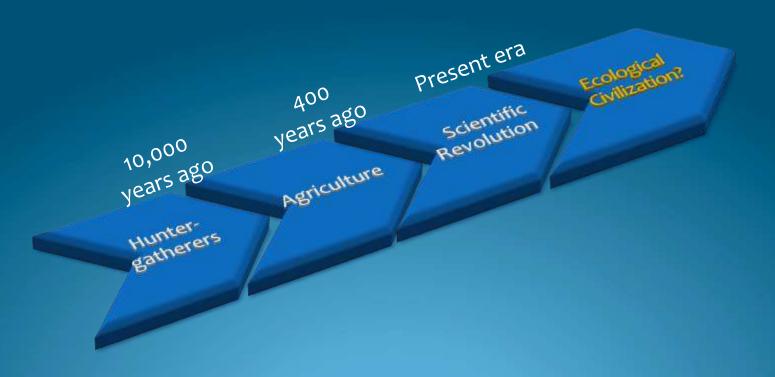
#### Rise of internet

- Increased transmittal speed of new ideas
- Emergent global sense of shared humanity

Trajectory to Ecological Civilization



# Great transitions in human history



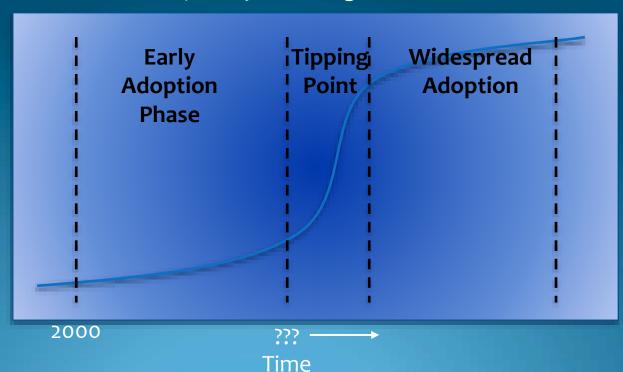
Trajectory to Ecological Civilization

#### **Speed**

Only a few decades, not hundreds or thousands of year

#### Intentionality

Need to consciously change our own values and behavior



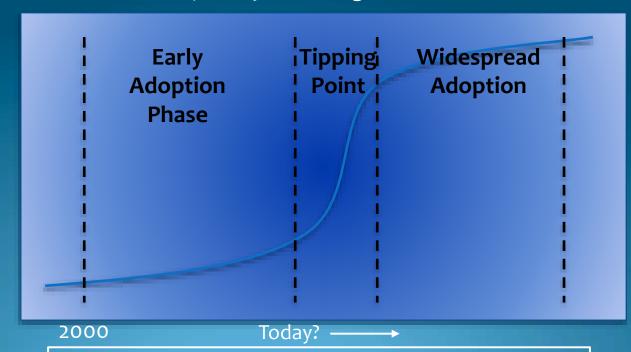
Trajectory to Ecological Civilization

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Would represent a unique achievement in human history

## August 2018

Greta Thunberg skips school to begin solitary demonstration outside the Swedish parliament



## August 2018

Greta Thunberg skips school to begin solitary demonstration outside the Swedish parliament



### April/May 2019

- 1.5 million schoolchildren protest worldwide
- Extinction Rebellion closes down Central London for a week
- UK Parliament announces a "climate emergency"

"Never doubt that a small group of thoughtful, committed, citizens can change the world.

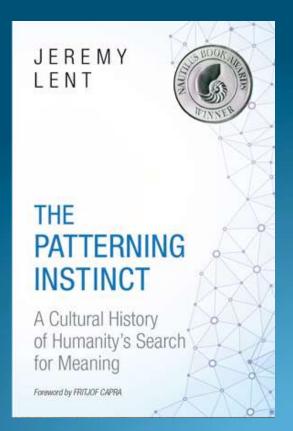
Indeed, it is the only thing that ever has."

Margaret Mead

## We owe it to Greta Thunberg...



# Further reading



Websites

Jeremylent.com Liology.org

**Forthcoming Book** 

The Web of Meaning
Integrating Science and
Traditional Wisdom to
Find Our Place In the Universe