

Life, Humans & Ecology



Earth
Water
&
Fire

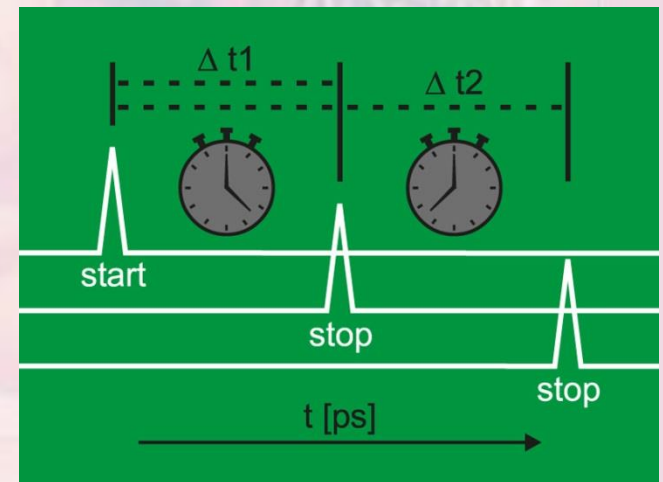
Story of Timescale



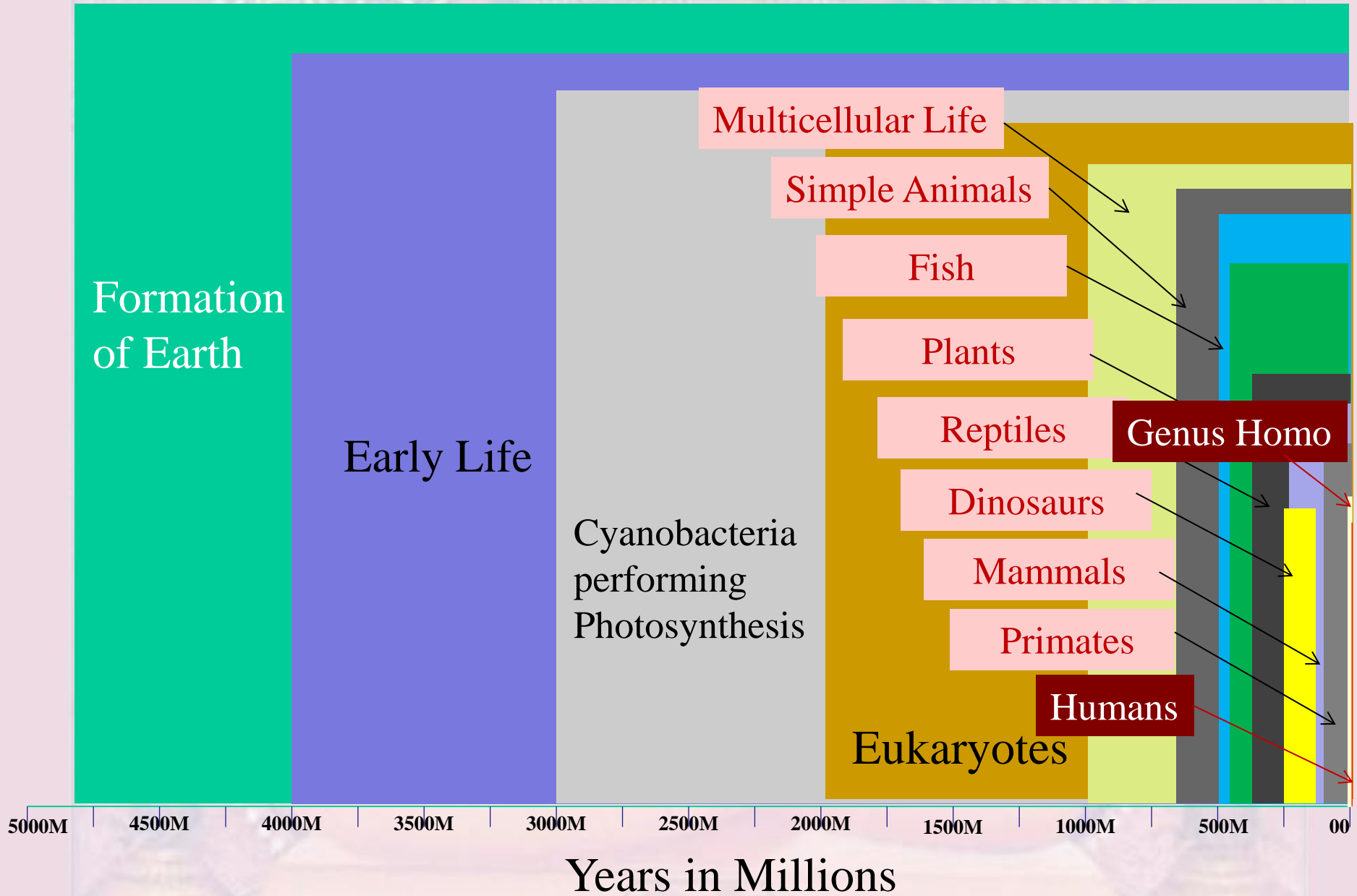
- Few Billion Years ($3 \cdot 10^{16}$ seconds)

TO

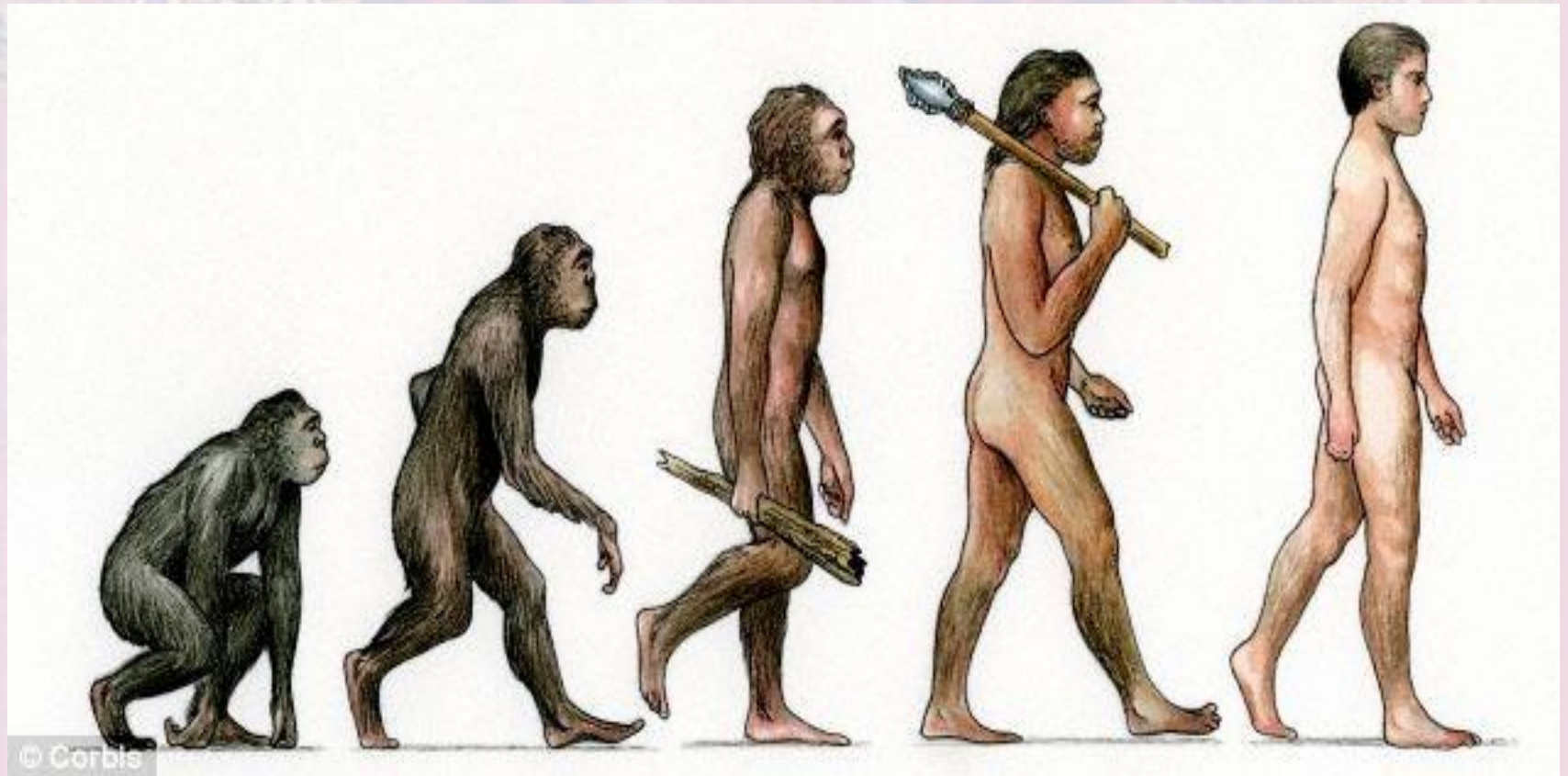
- To Few Pico-Seconds (10^{-9} second)



Humans & Time scale



The Great Man



5.0M

3.5M

2.0M

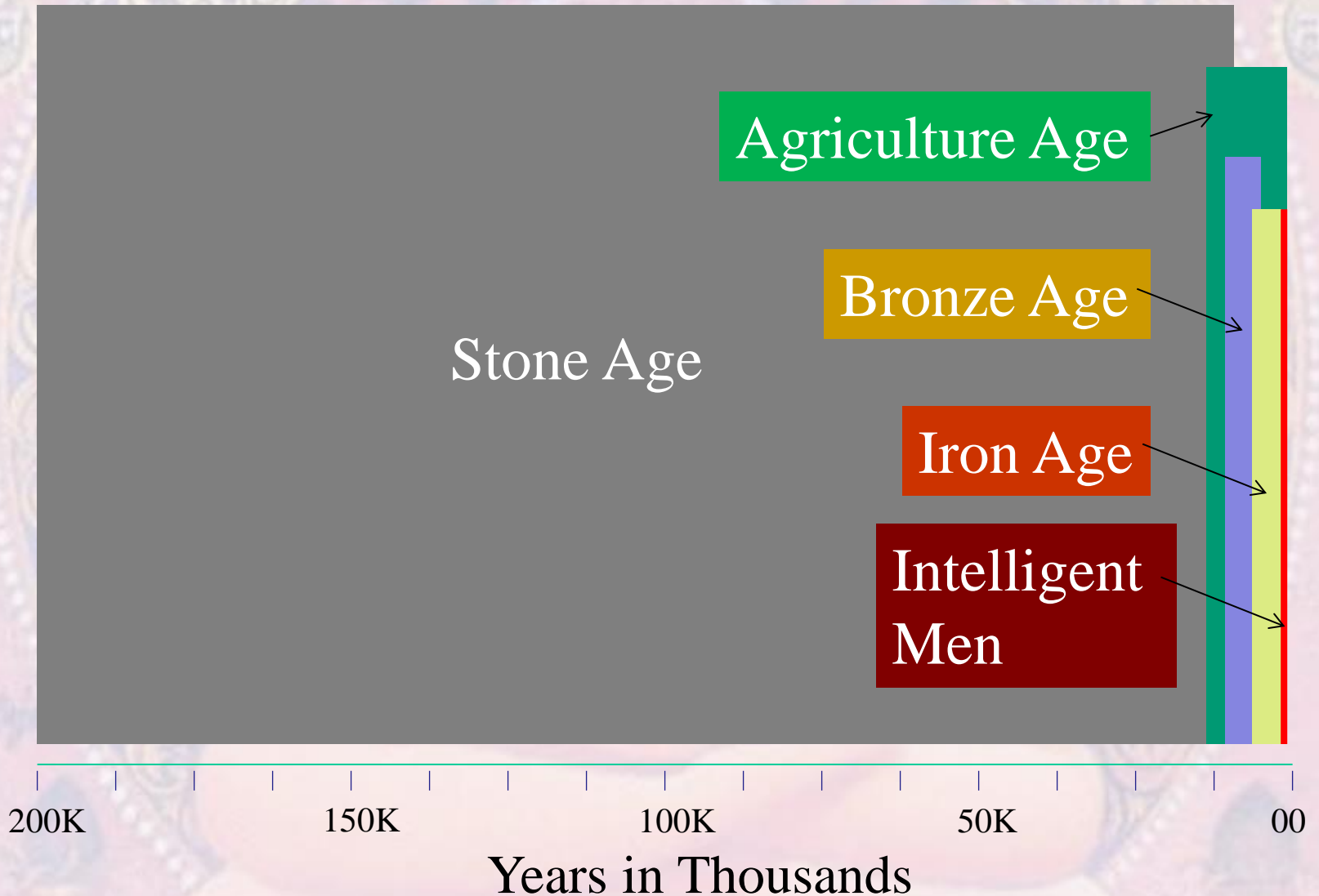
1.0M

0.2M

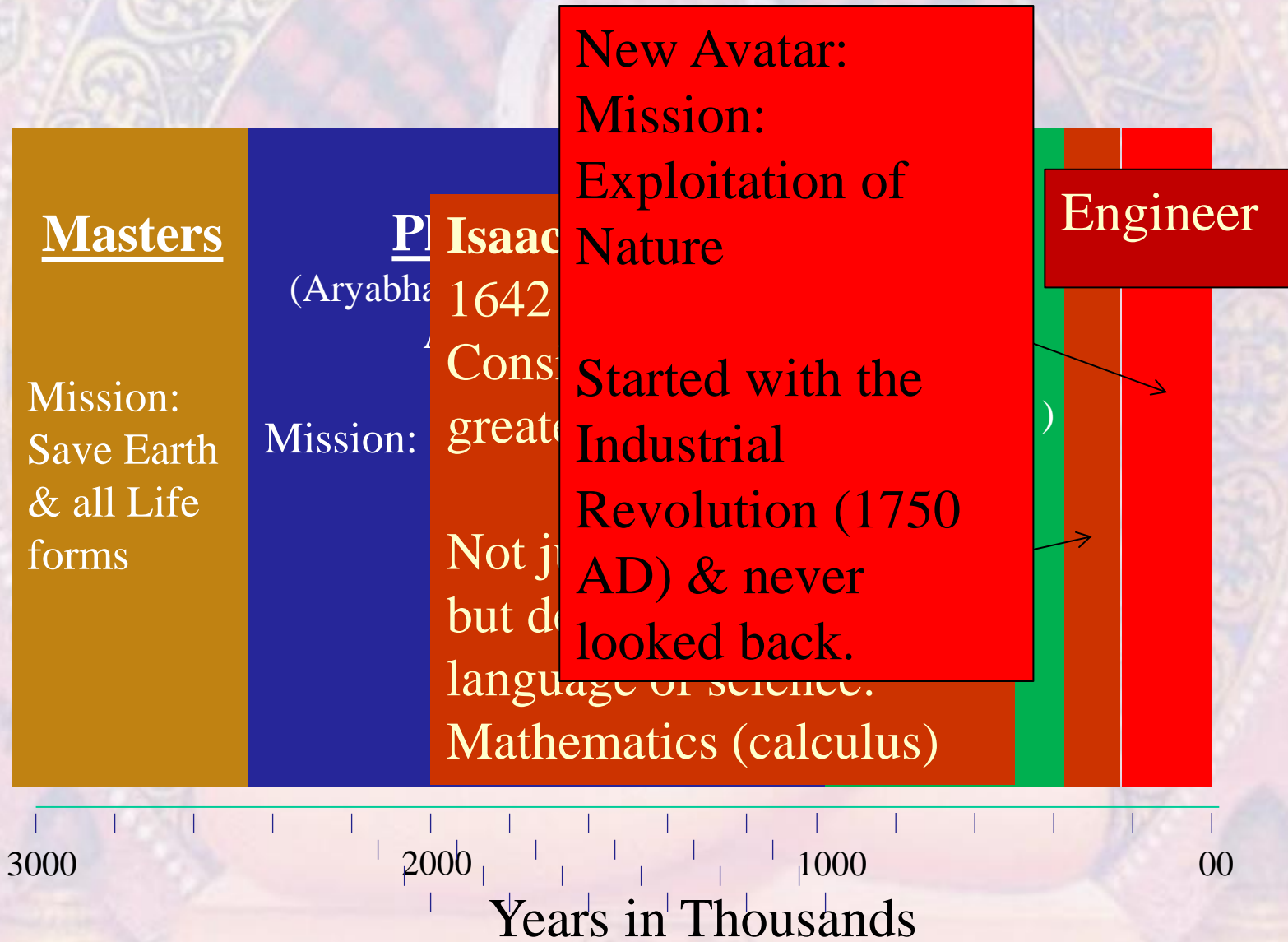
Years in Millions

(200K yrs.)

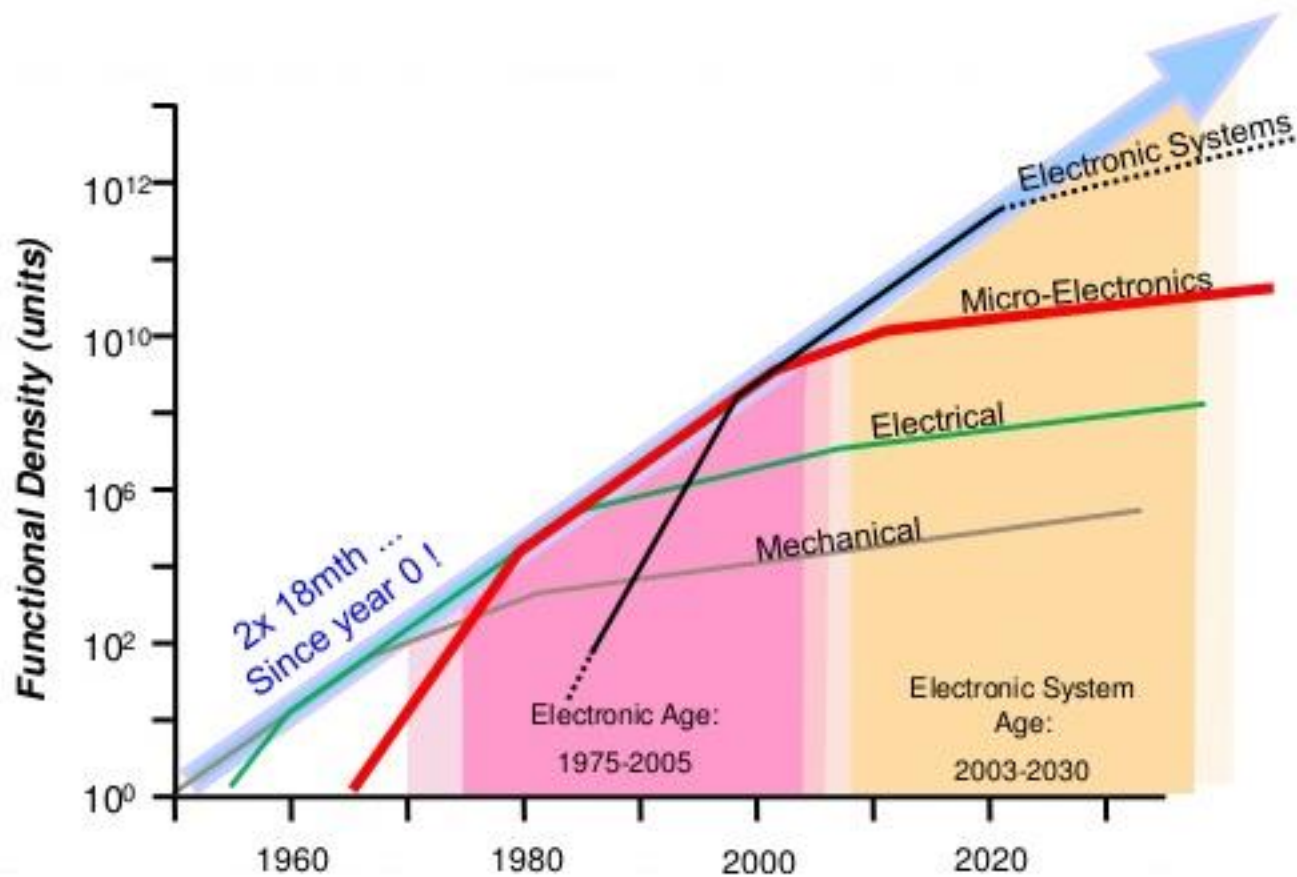
The Great Man



The Intelligent Man



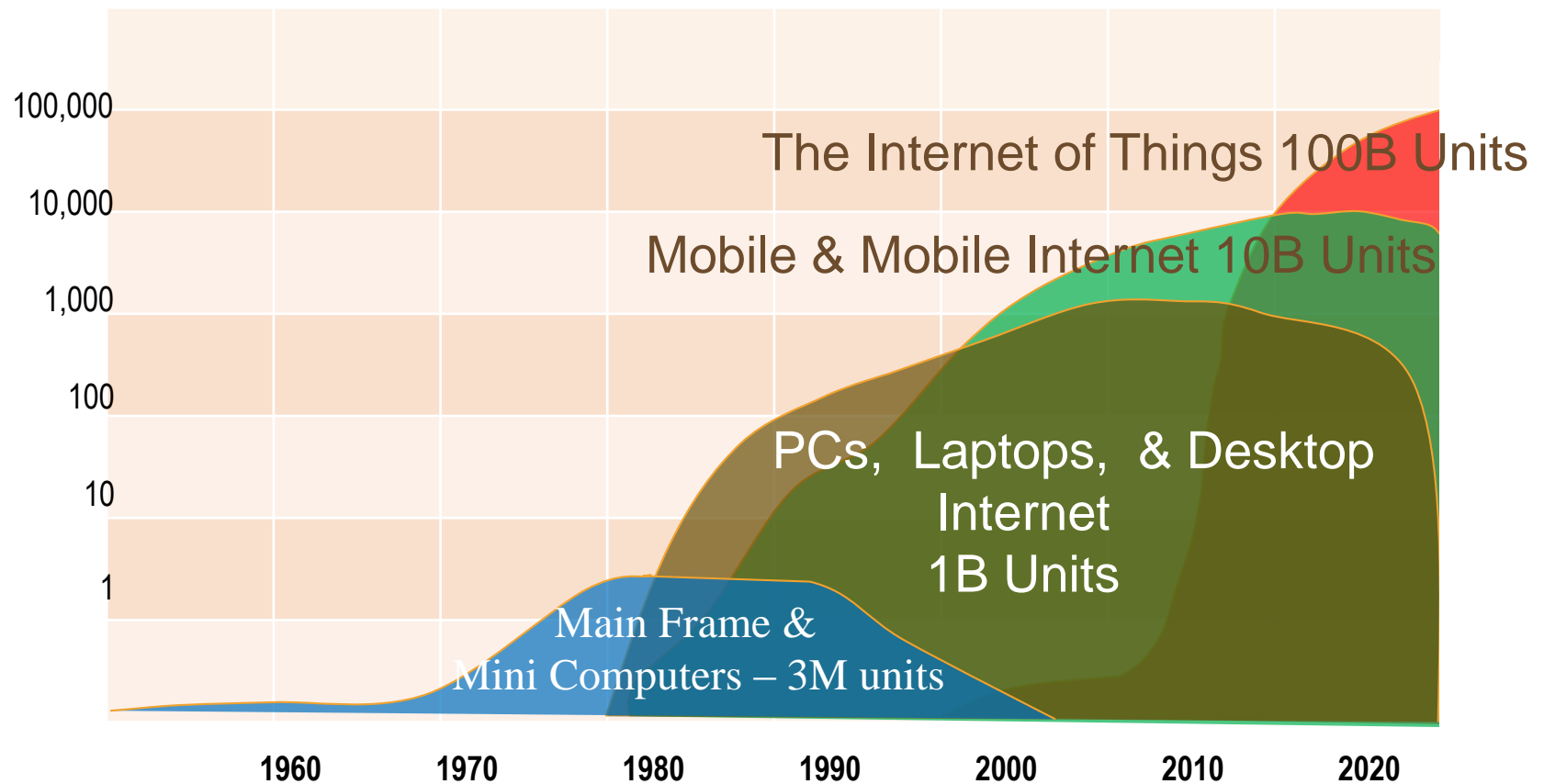
The Last Century



The Internet of Things

9

Since 1980s Electronic Systems Has Been The Key Driving Force of The



Human Domination

Year 8000BC

Total Weight of Human along with its domesticated animals
= 0.1%

Total weight of other mammals (Tigers, Lions, Elephants etc.)
= 99.90%

Year 2014

Total Weight of Human along with its domesticated animals
= 97%

Total weight of other mammals (Tigers, Lions, Elephants etc.)
= 3%

8000 6000 4000 2000 ← B.C. A.D. → 2000
Years

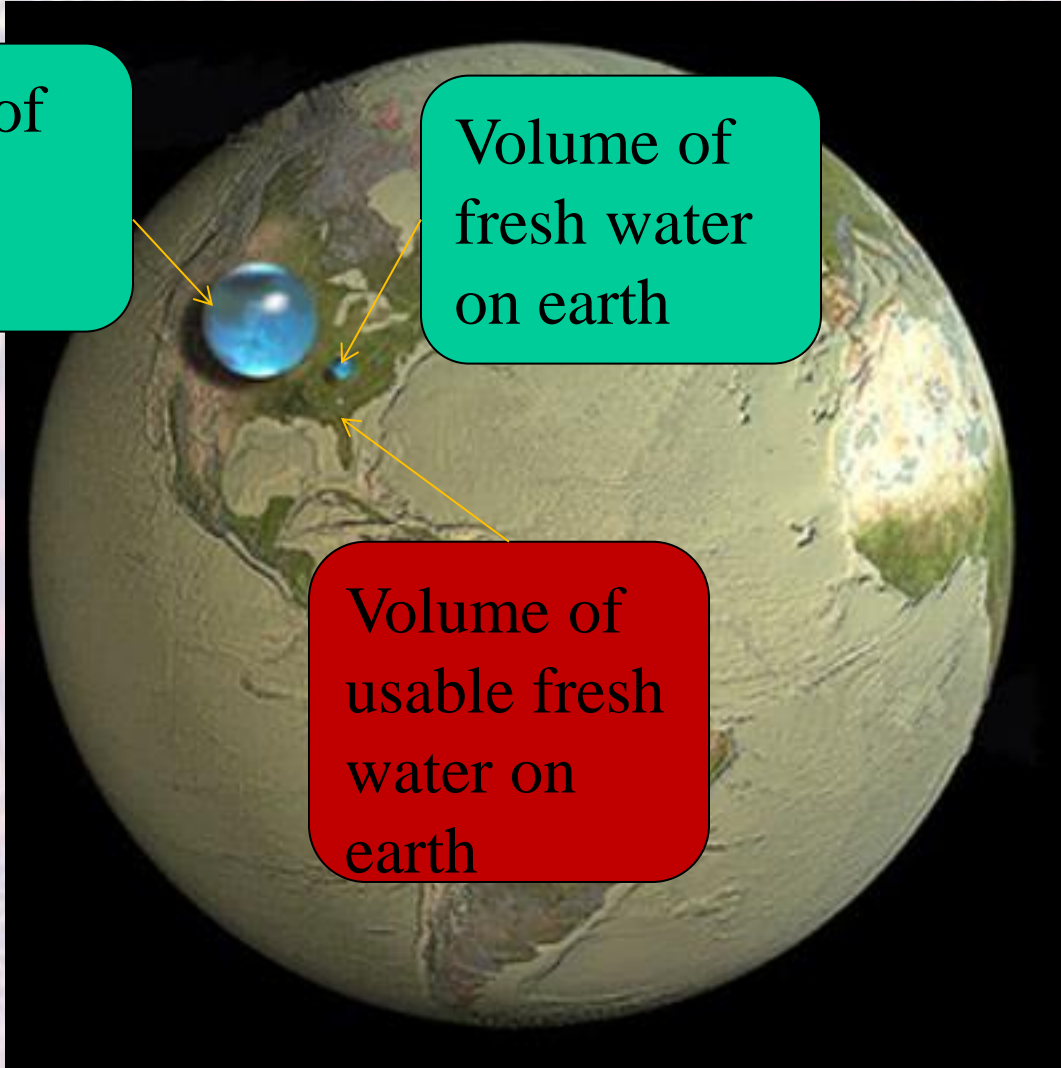
Current world population stands around 7.5Billion

Water

Volume of
water on
earth

Volume of
fresh water
on earth

Volume of
usable fresh
water on
earth



Other Facts

- 140,000 species (life forms) go extinct per year.
- Over 800 animal species have gone extinct during recorded human history.
- On 5 billion years of earth's history it has undergone 5 mass extinctions, all due to big extraterrestrial bodies or massive geologic events.
- The sixth mass extinction is currently underway.
- Carbon-12 is the most abundant isotope of carbon, making up about 99% of all carbon on Earth.
- Internet usage in India is projected to reach 1 billion users by 2015.
- The average iPhone, according to Mills' calculations, uses about 361 kW-h a year once the wireless connections, data usage and battery charging are tallied up.
- What cost of ownership of a smart phone is about 10-15% of the purchase price.

Energy Star rating refrigerator will use about 322 kW-h a year.

The average iPhone, according to Mills' calculations, uses about 361 kW-h a year once the wireless connections, data usage and battery charging are tallied up.

Hope



मेरे पुरुषार्थ का एक ही मकसद है कि इस विश्व में शान्ति और अहिंसा का वातावरण फलता रहे (The aim of all the efforts in my life is to cultivate Peace and Non-violence in this universe)

Hope

- The same engineers who caused this great **materialistic** havoc, can use their ingenuity to reverse the trend.
- It will however need global commitment, awareness, and some sacrifice.
- Anuvrat Movement a practical way to move systematically to an Ecologically stable earth.
 - Raise level of awareness regarding of ones energy footprint
 - Respect them like critical elements of your life.
- Respect the Equality & Right of All Living, including Earth, Water & Fire