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Natural Capital Understanding & Managing Risk

Basing decisions on evidence : Knowing where to start

presented by:

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Natural Capital in Context

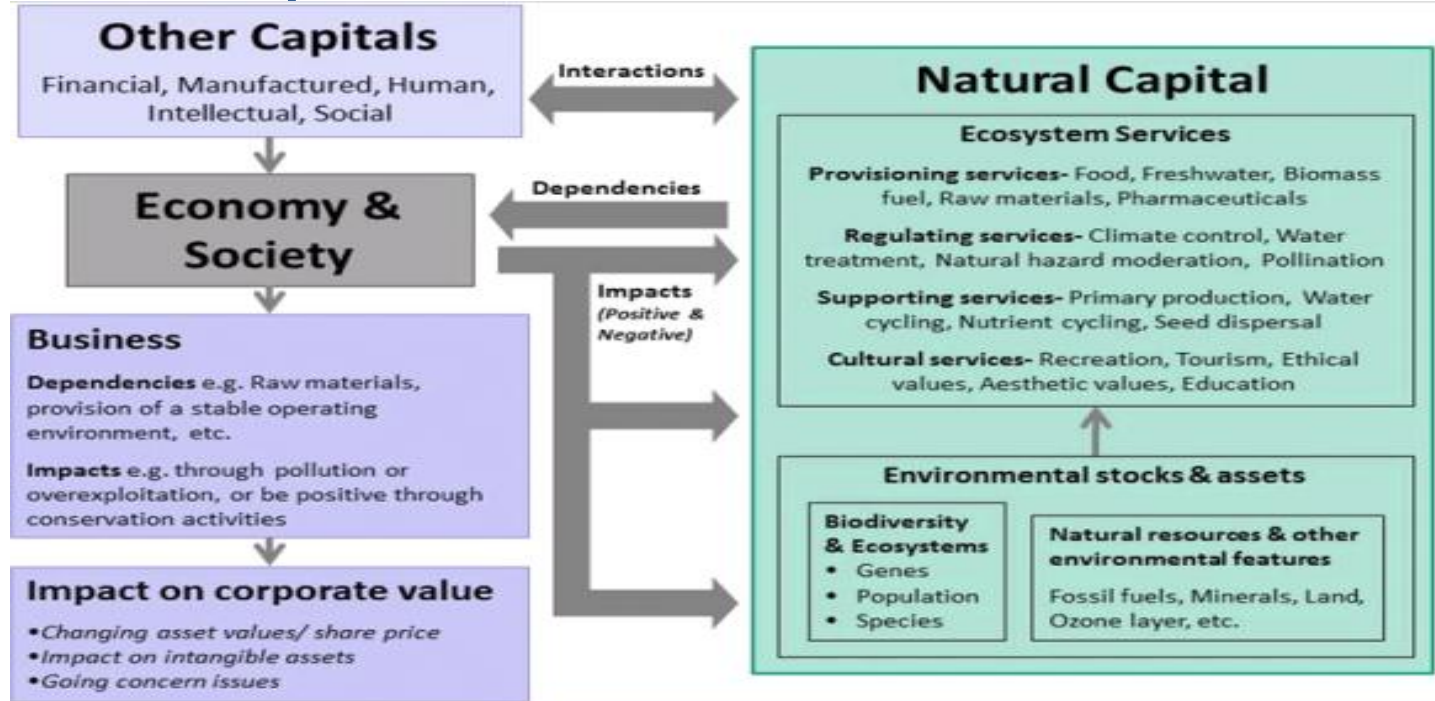


Natural Capital in Context





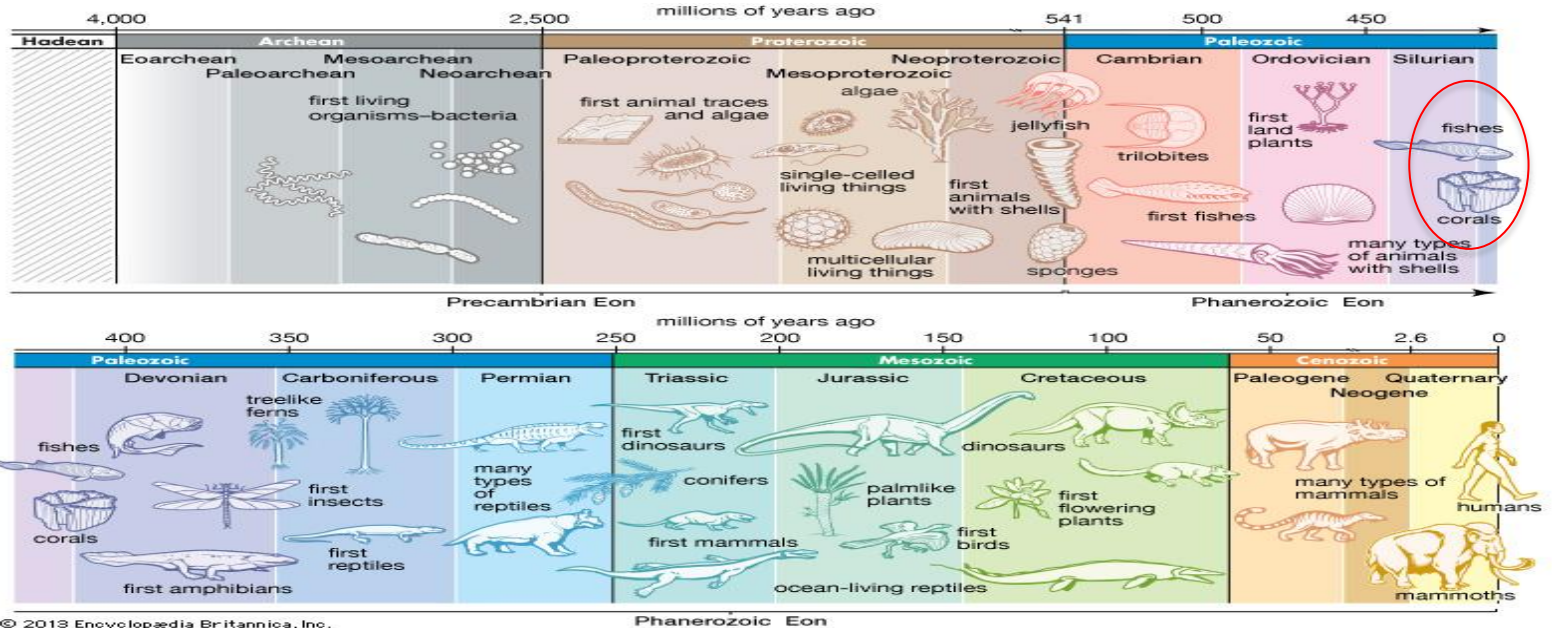
Natural Capital in Context





How long has it taken to accumulate Natural Capital

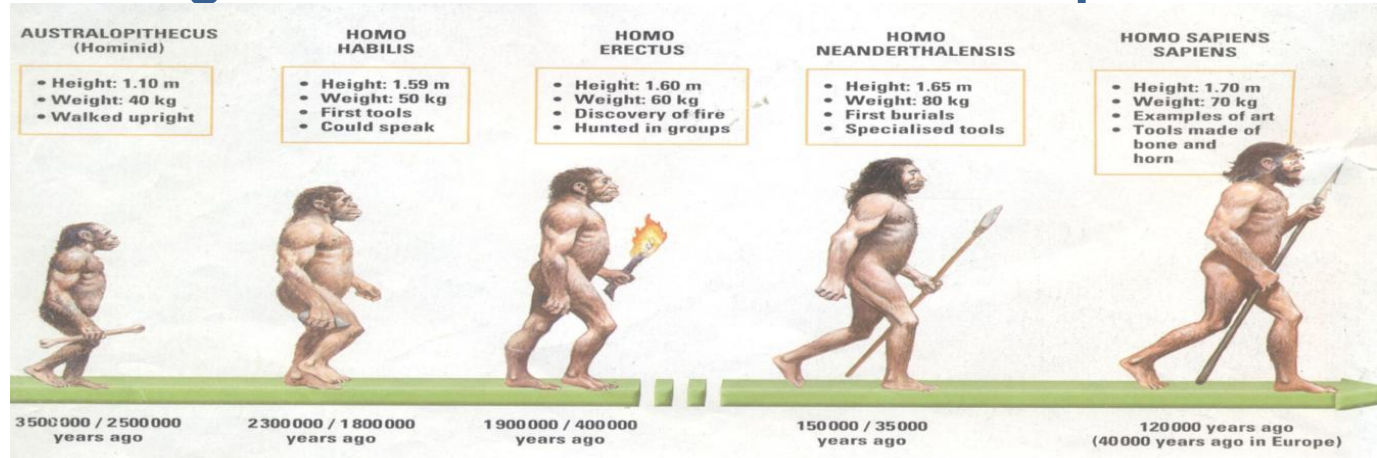
Timeline of the earth



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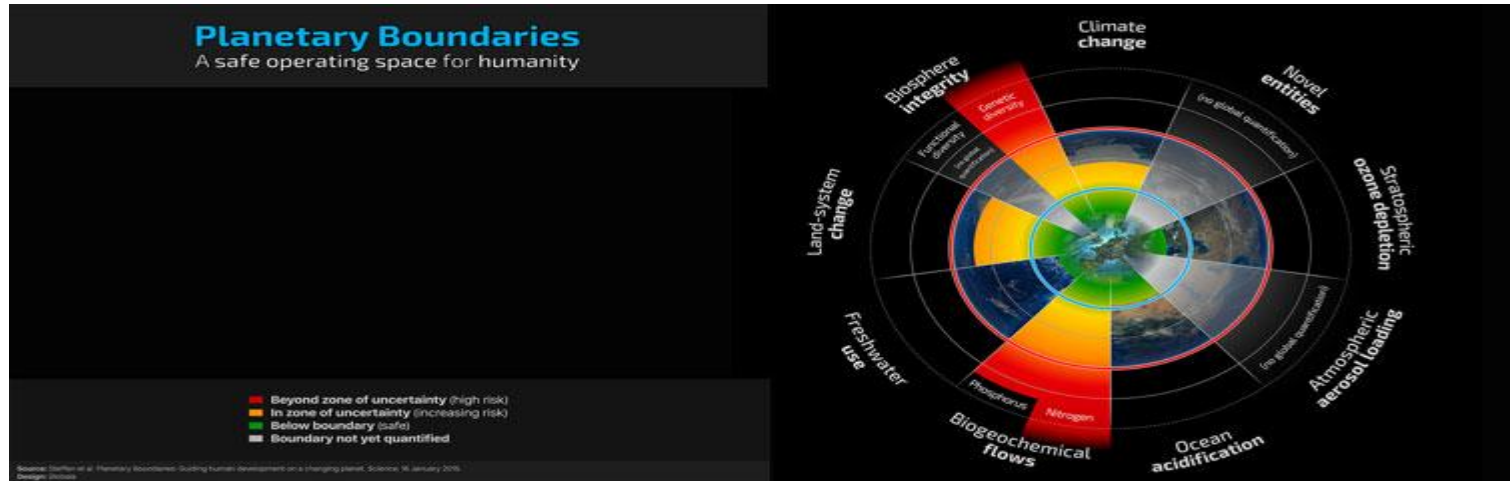
How long has it taken to erode Natural Capital



- 120,000 years ago the first homo sapiens
- 10,000 years ago first evidence of farming
- 5,000 years ago first of the great civilisations
- 250 years ago James Watt invented the steam engine



How much of our Natural Capital have we used?





EARTHWATCH was formed as a Citizen Science organisation in 1971.

Our mission is to engage people world wide in scientific field research and education to promote the understanding and action necessary for a sustainable environment.



We focus on 4 areas of activity:



WILDLIFE &
ECOSYSTEMS



CLIMATE
CHANGE



ARCHAEOLOGY
& CULTURE



OCEAN HEALTH



Earthwatch takes groups of volunteers to assist scientists





Fundamental to the Earthwatch approach is a belief in an informed society

An understanding of Natural Capital provides a contemporary framework for decision making

Natural Capital principles can be used in decision making based on personal experience



Climate and Landscape Change in Borneo's Rainforest

Data gathered from
Earthwatch participants
has proven that
Dipterocarp trees do not
naturally reproduce in
areas of less than 3
hectares





Managing Mangroves and Capturing Carbon in Kenyan Communities

Volunteers
gather data to
support
mangrove
restoration.





Bush Blitz

A national partnership between Earthwatch Australia, BHP Billiton, and the Australian government to discover, document, and describe Australia's unique flora and fauna.



FreshWaterWatch

FreshWaterWatch

Participants are contributing to a unique global database of freshwater quality, providing data from thousands of water bodies which are not currently monitored.



Please take a brochure
and visit
www.earthwatch.org

Thank you

