

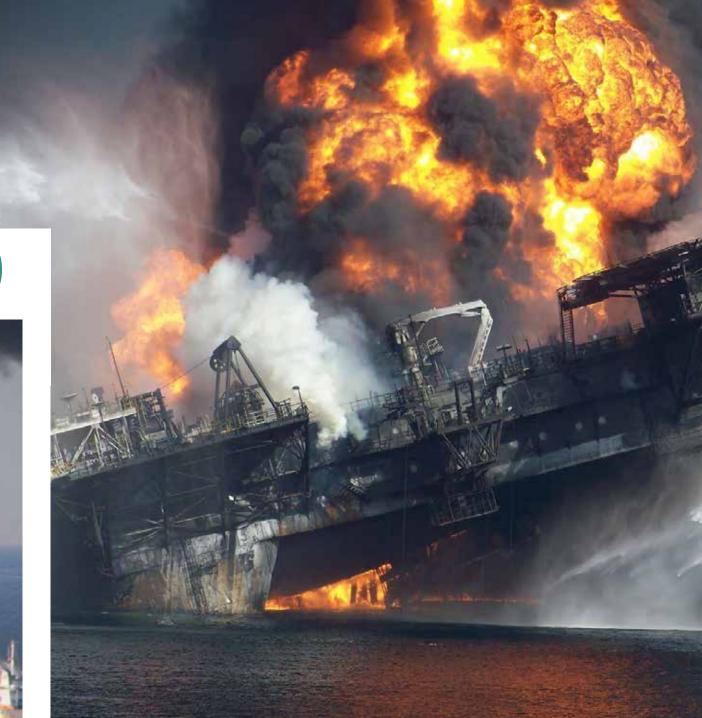
لا يوجد شئ اسمه وجبة غذائية مجانية

Greenish clubs 2020



Deepwater horizon 2010



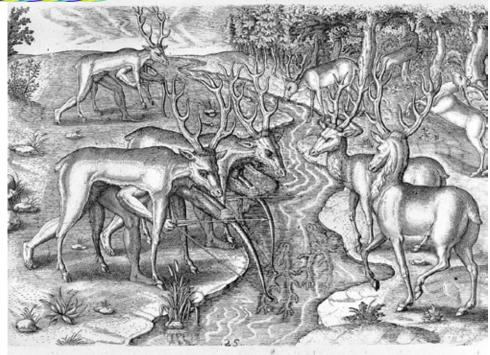


Exxon valedz oil

1989



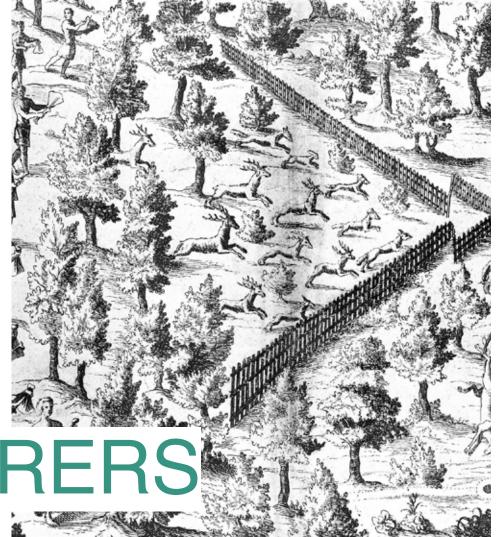
Sonthrer Birschjacht. XXV.

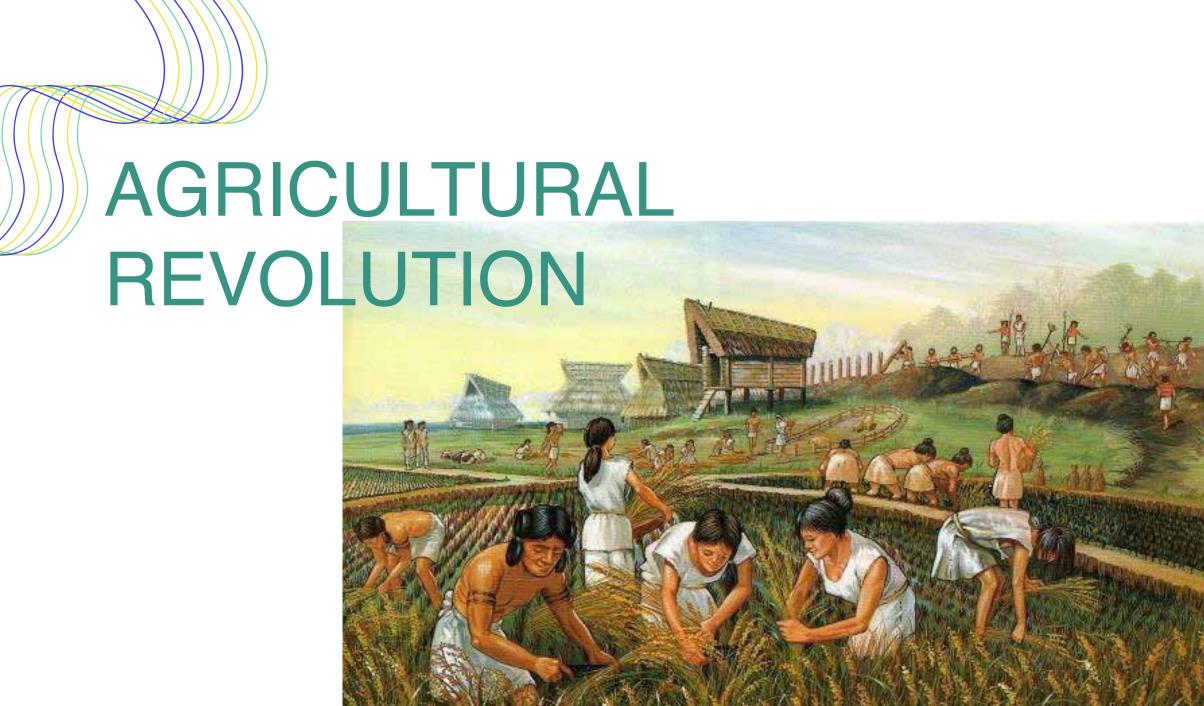


Be Indianer brauchen eine folche Befchicklichtent / Birfche gu

HUNTER- GATHERES

nen/dieweilfrer in diefem Lande febr viel find. Damit fie aber im fchieffen/am linden Arme/ourch die Sebnen den Boarns/nit verlett iverben/verivaren fie denfelben mit einer Rinden von eim Baum/

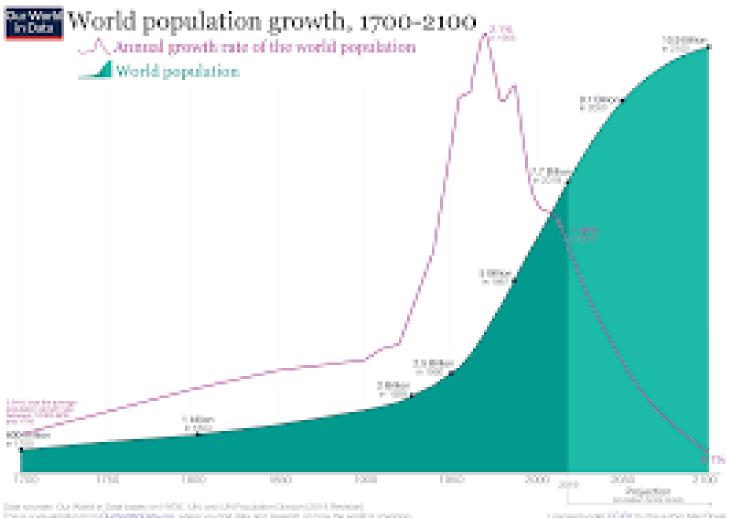






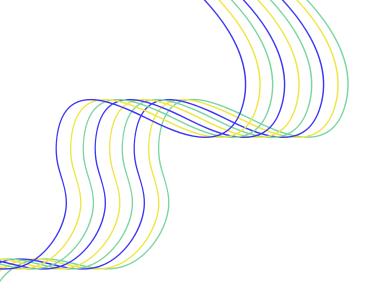


Population growth



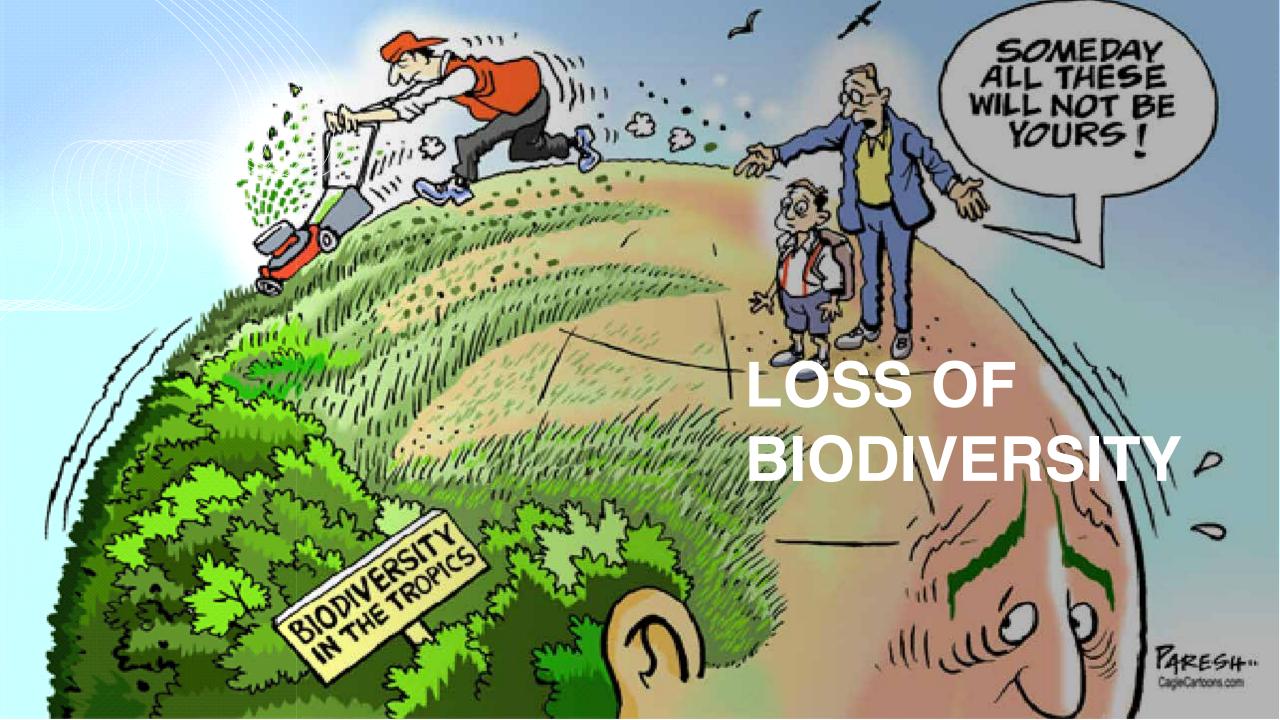
The is a value of the common Customer Common property and the set of the common the world is arranging.

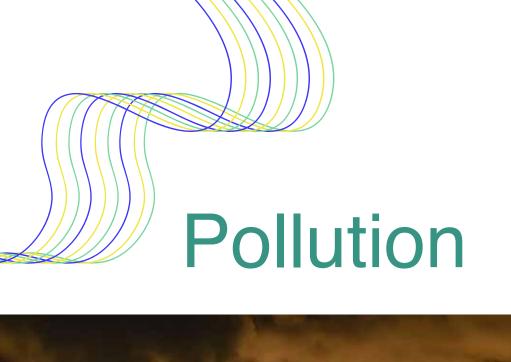
Lineaurope 60/0/hyromatric Markets



RESOURCE DEPLETION

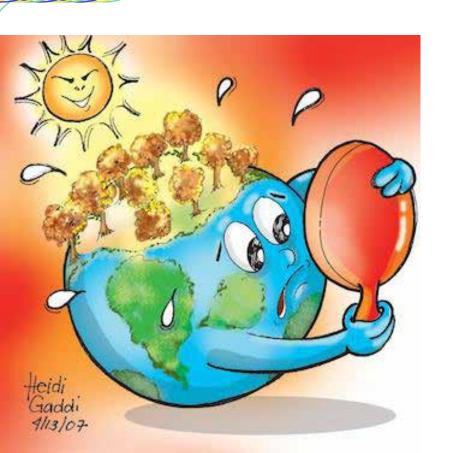








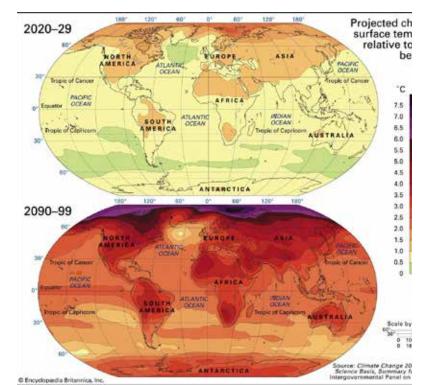
GLOBAL WARMING



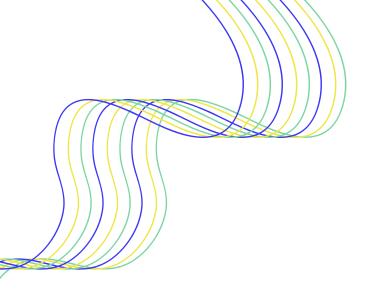


CLIMATE CHANGE









Toxic wastes



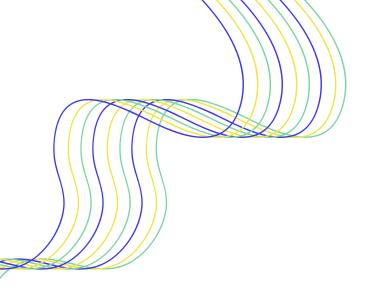
Chemical



Radioactive

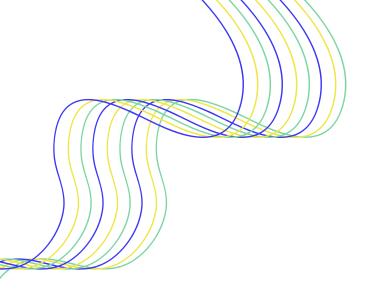


Medical



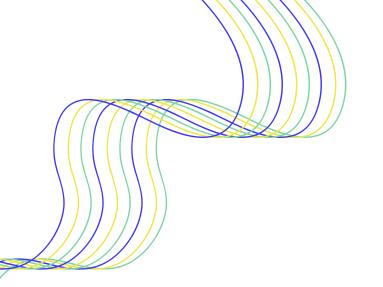
Chemical



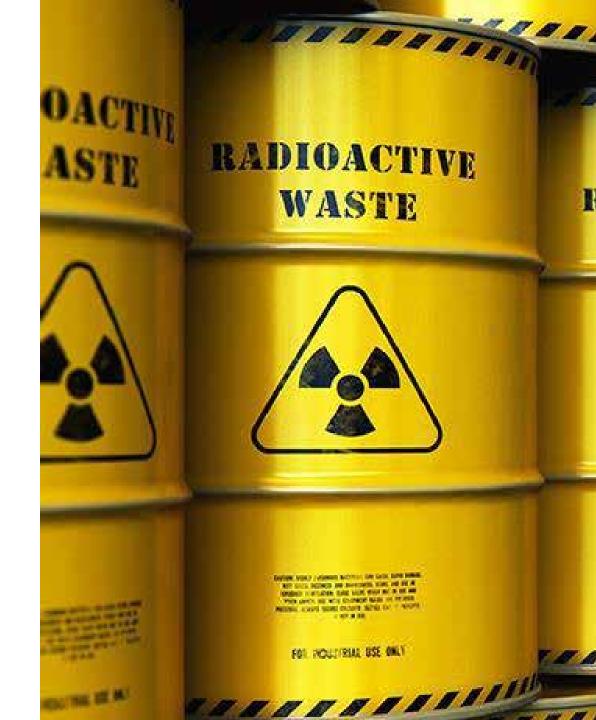


MEDICAL





RADIOACTIVE



CO₂ and other greenhouse gases mix in atmosphere



Oceans absorb about ¼ of anthropogenic CO₂ emissions

Fishermen experience decreases in harvest

Consumers face changes in prices





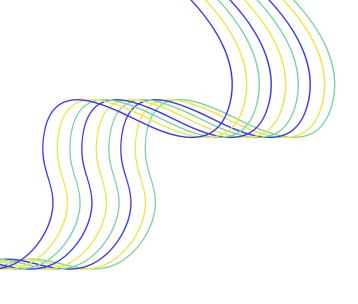


Dissolved CO₂ changes ocean chemistry and reduces availability of minerals for shell-building plants and animals

4

Acidification reduces the size and abundance of shellfish

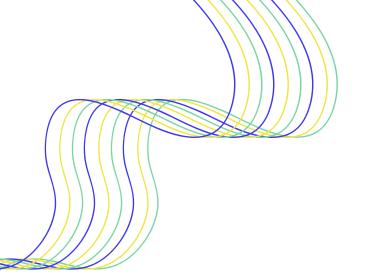




Atmosphere aerosol loading







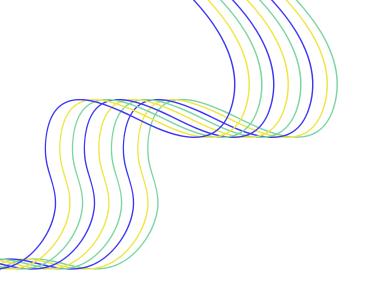
plastics











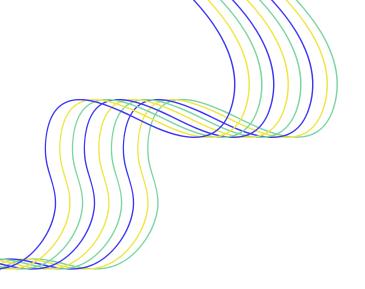
plastics



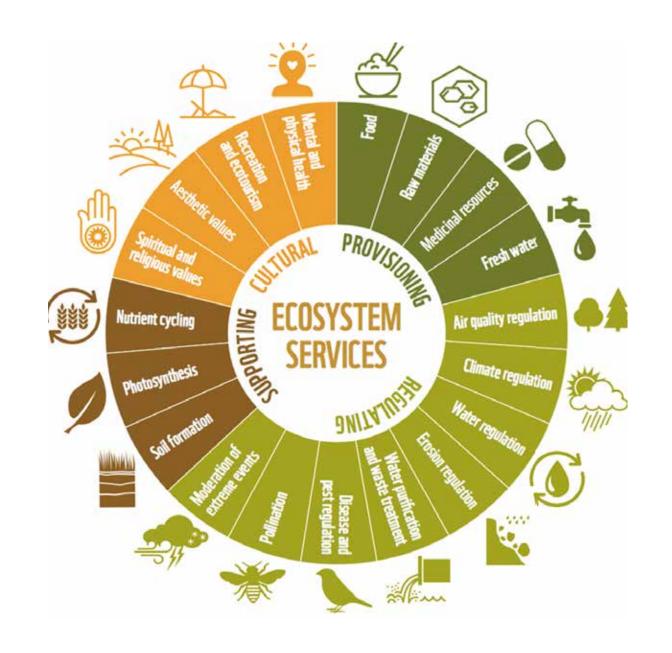


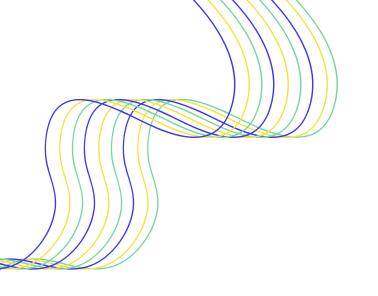




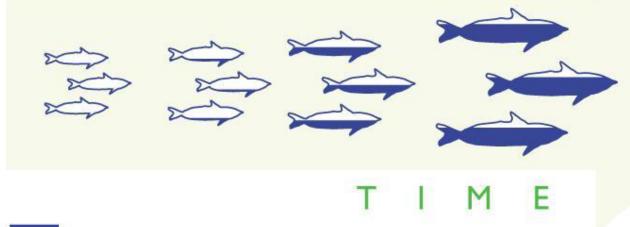


plastics

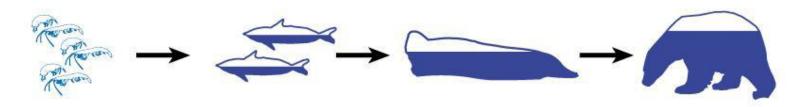




Bioaccumulation



Contaminant levels



Contaminant levels

Biomagnification

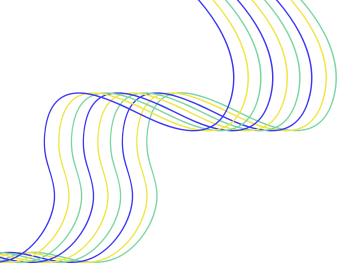


Environmentalism

Apocalyptic

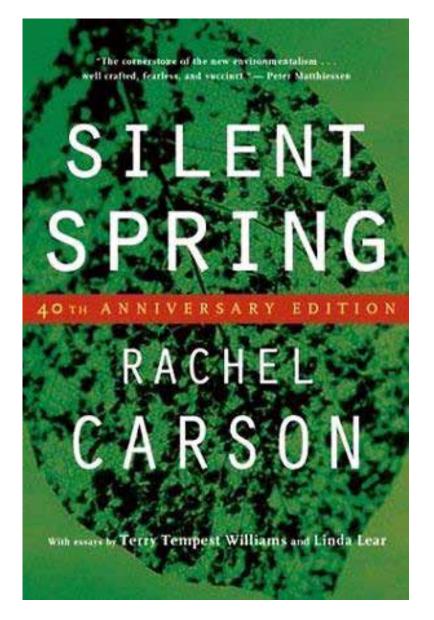
Emancipatory

Anthropocentric



Apocalyptic environmentalism

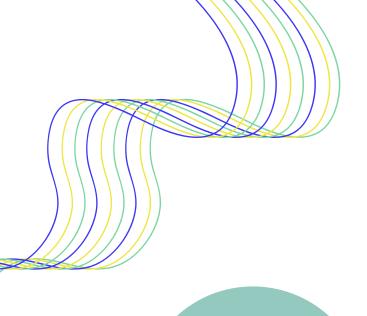
- 70-60 s'
- Pessimistic perspective
- Civilization malaise
- Conviction that earth long term prospect will bleak
- Apocalyptic or survivalist



Emancipatory environmentalism

- 70 s' beginning
- Limiting environmental degradation through:
 - Recycling
 - Alternative energy resources
 - Democratization, decentralization of economic and social planning
- Positive and practical approach
- Promote ecological consciousness and ethics of stewardship to environment
- Postmaterialist
- Think globally and act locally





Biocentric



SOCIAL AND DEEP ECOLOGY



ANIMAL RIGHTS



ECOFEMINISM

Social and deep ecology



Trace **causes** of environmental degradation, hierarchical relationship in human society.

Radical doctrine, builds on preservationist themes.

Distrust of **capitalism** and industrial technology and favor decentralized form of social organization.

Interconnectedness: human needs the **spiritual** forms of connection to non-human form.





Intrinsic value.



Interconnectedness.



Animal liberation.



Cruelty to animals in science and medicine.

Contemporary environmental movement (Sustainable development)



Self consciously activist.



Unconventional, involving direct protest actions and designed to obstruct and draw attention to environmental harmful policies and programs.



Community directed actions.



Public education and media campaigns.



Conventional lobbying of policy makers and political representatives.

Sustainability



Long term **viability** of a community, set of social institutions or societal practices.



Alternative to short term, myopic and wasteful behavior.

Forms of sustainability







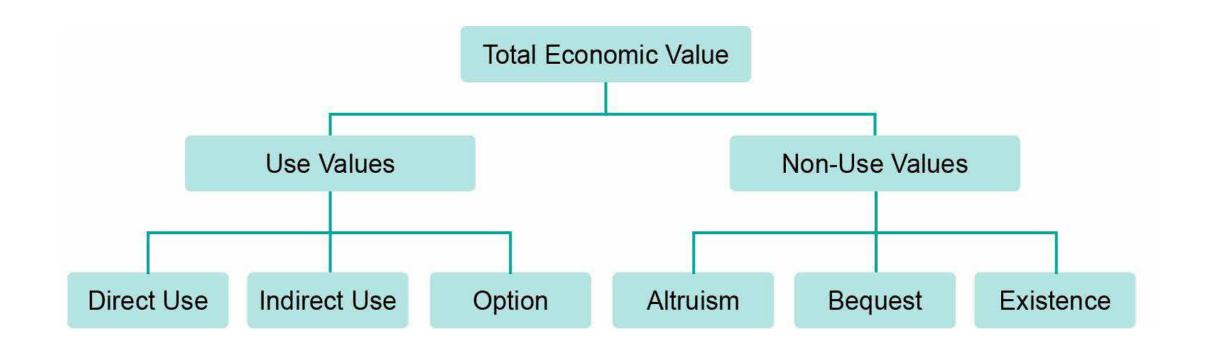
Sustainable **yield**: self renewing natural resources.

Sustainable **society**: regenerate capacity of underlying natural system.

Sustainable **development**: social advance that accommodates the needs of current future generations.



Total economic valuation

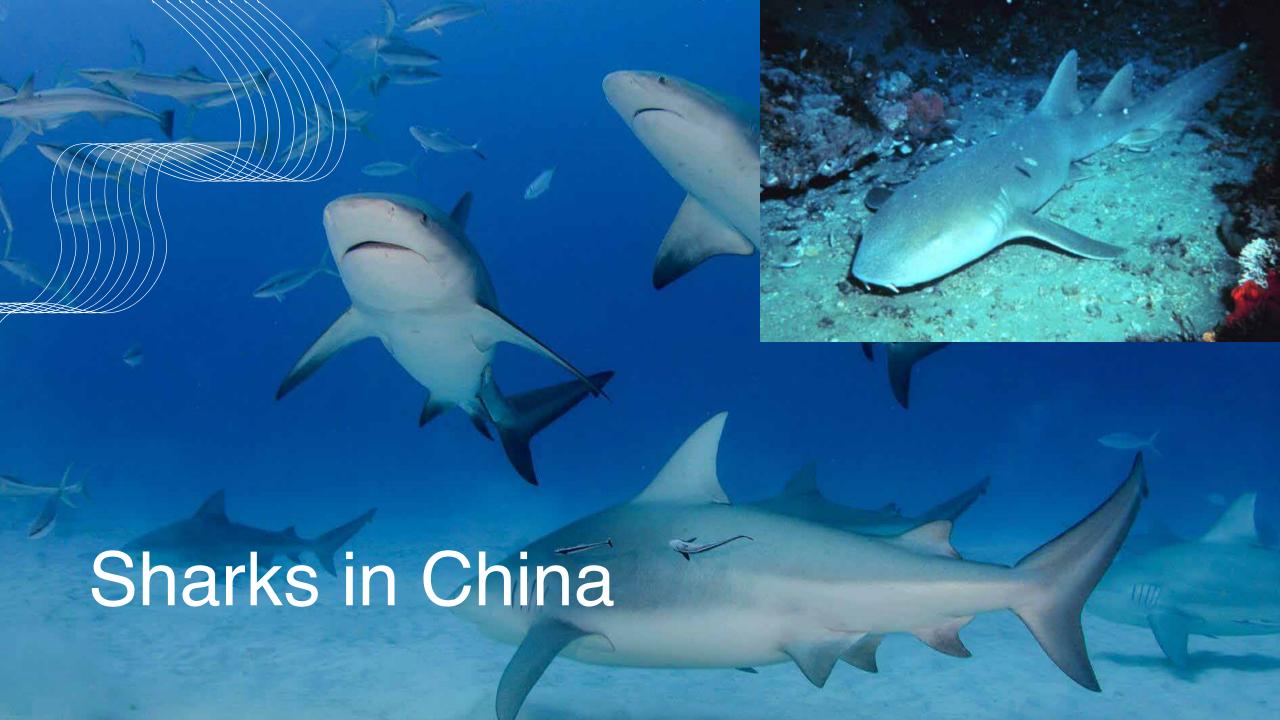


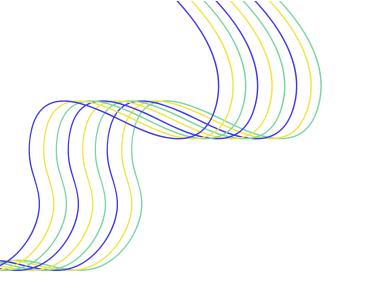
Dolphins in Japan











Rays in Indonesia

