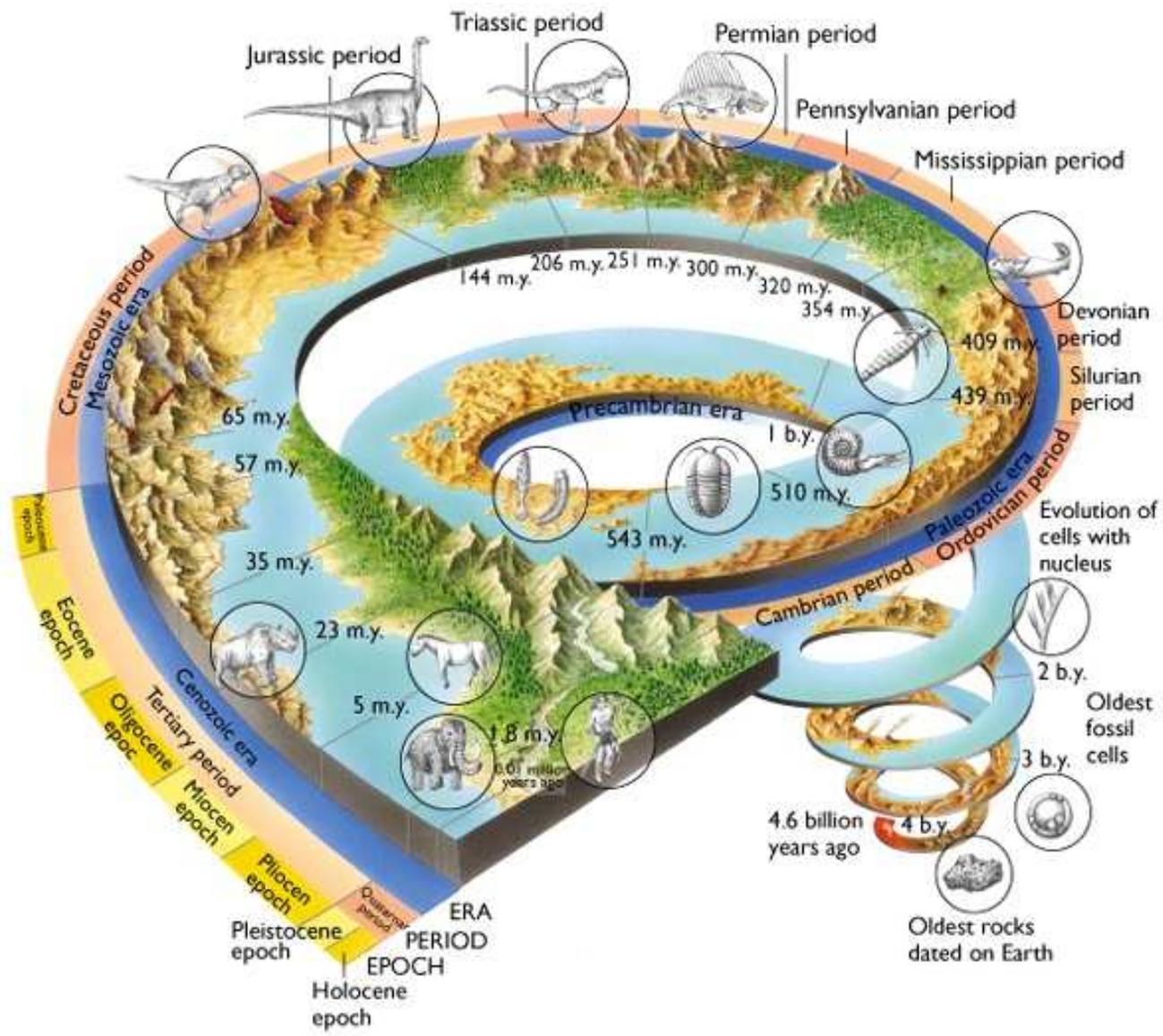
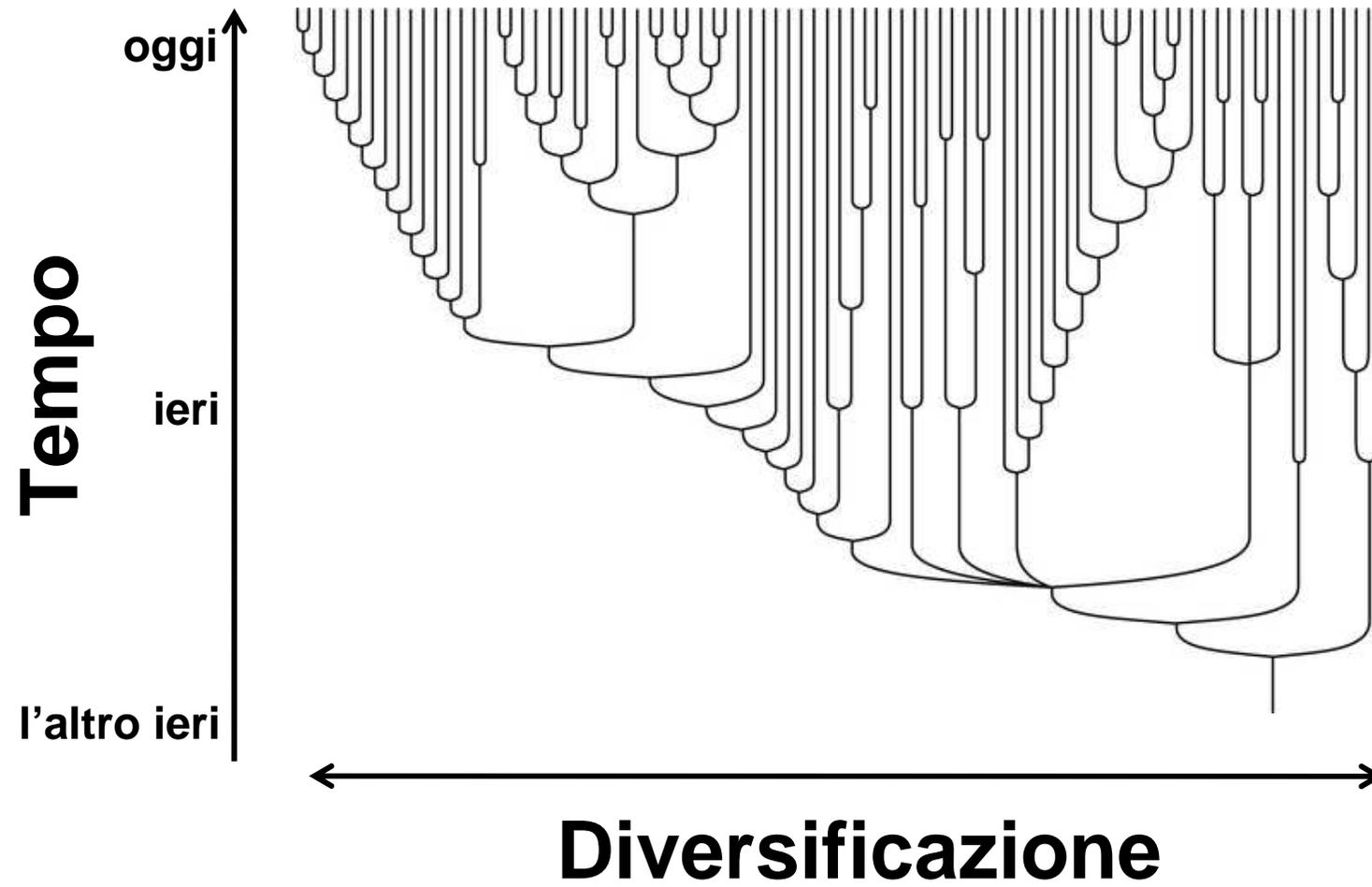


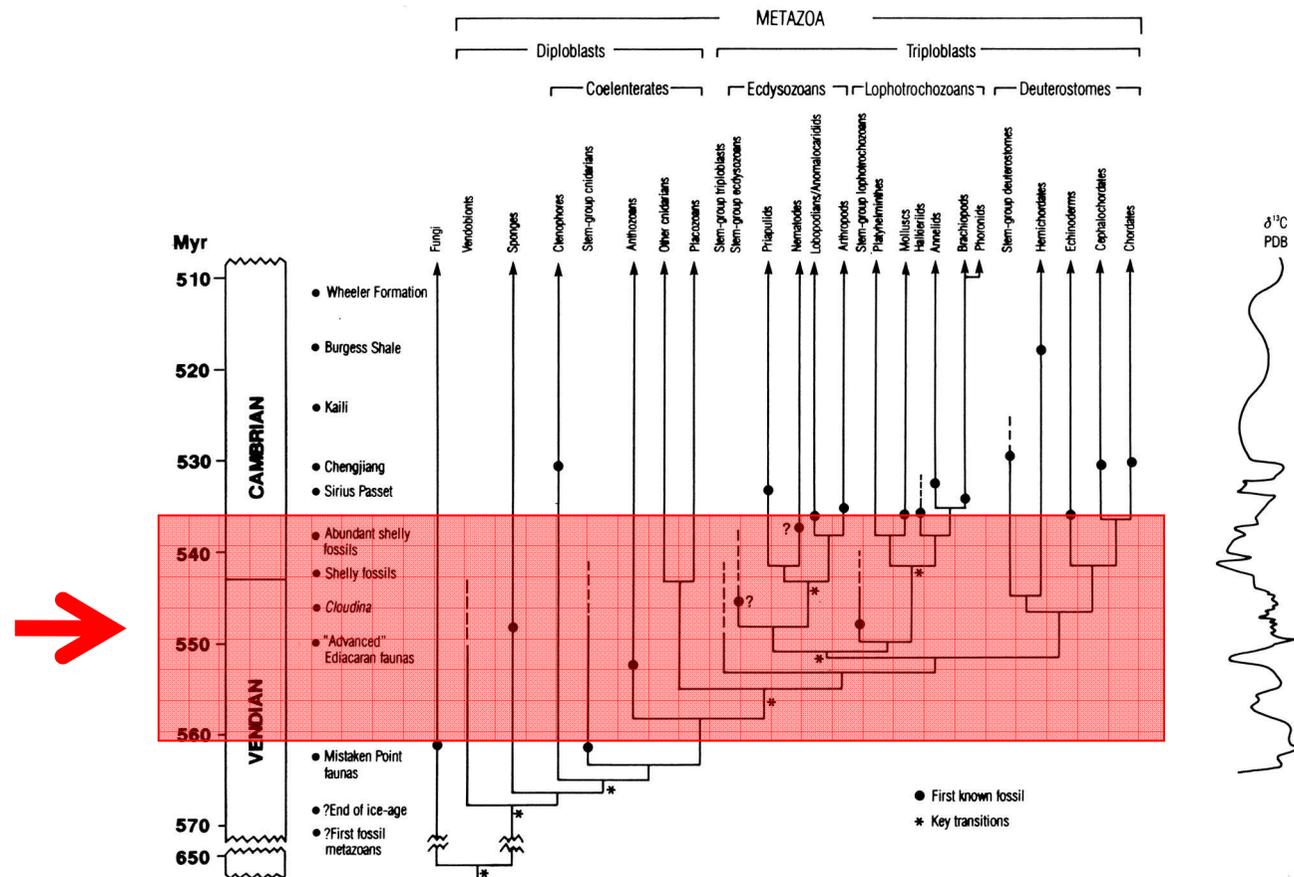
Biodiversità, una storia di 4 miliardi di anni

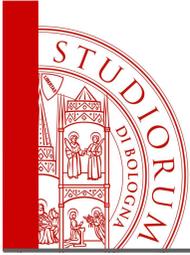
***Roberto Barbieri
paleontologo
Università di Bologna***





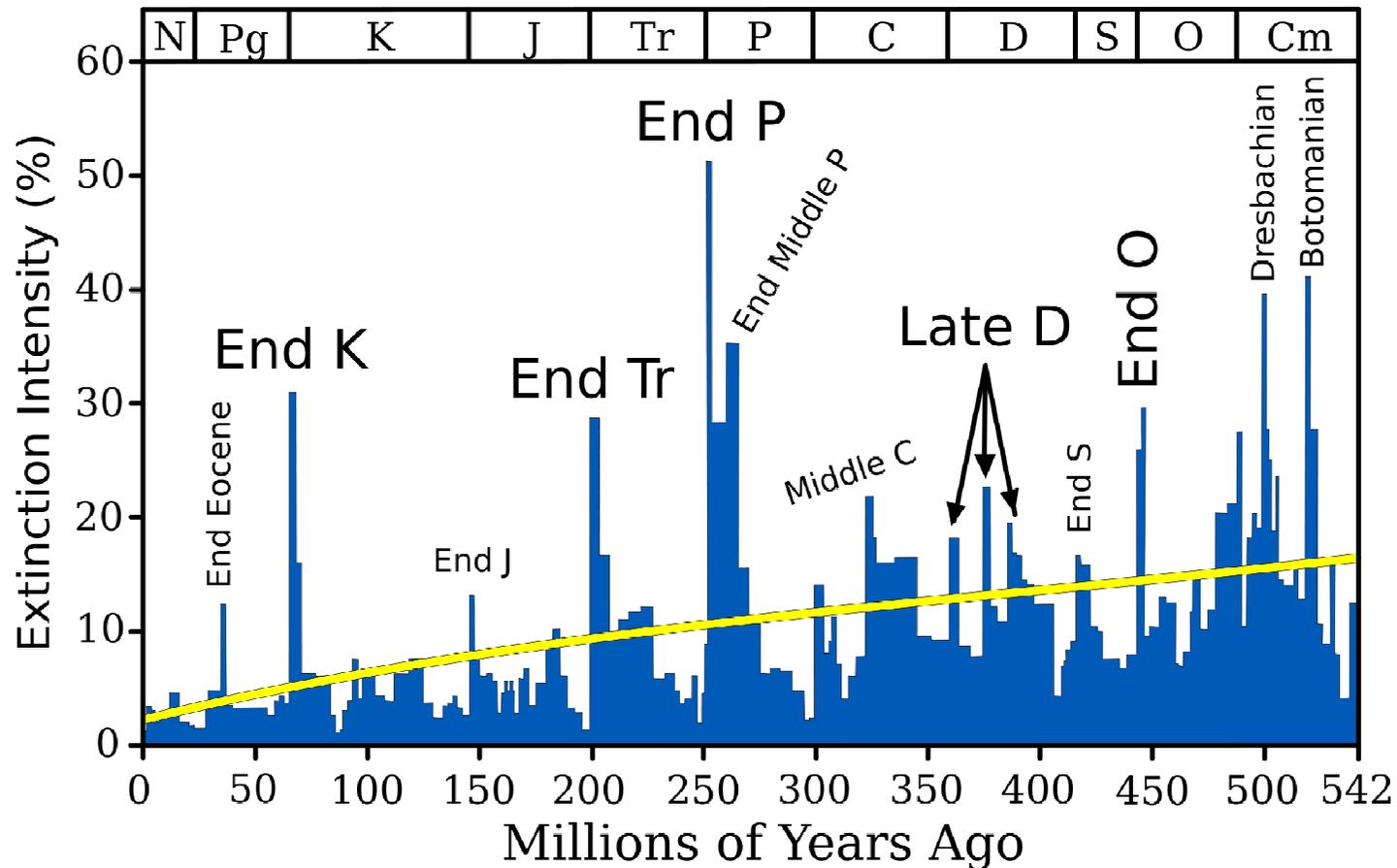
Intorno a 550 milioni di anni fa, all'alba del Paleozoico, i fossili indicano **un grande boom della biodiversità!**



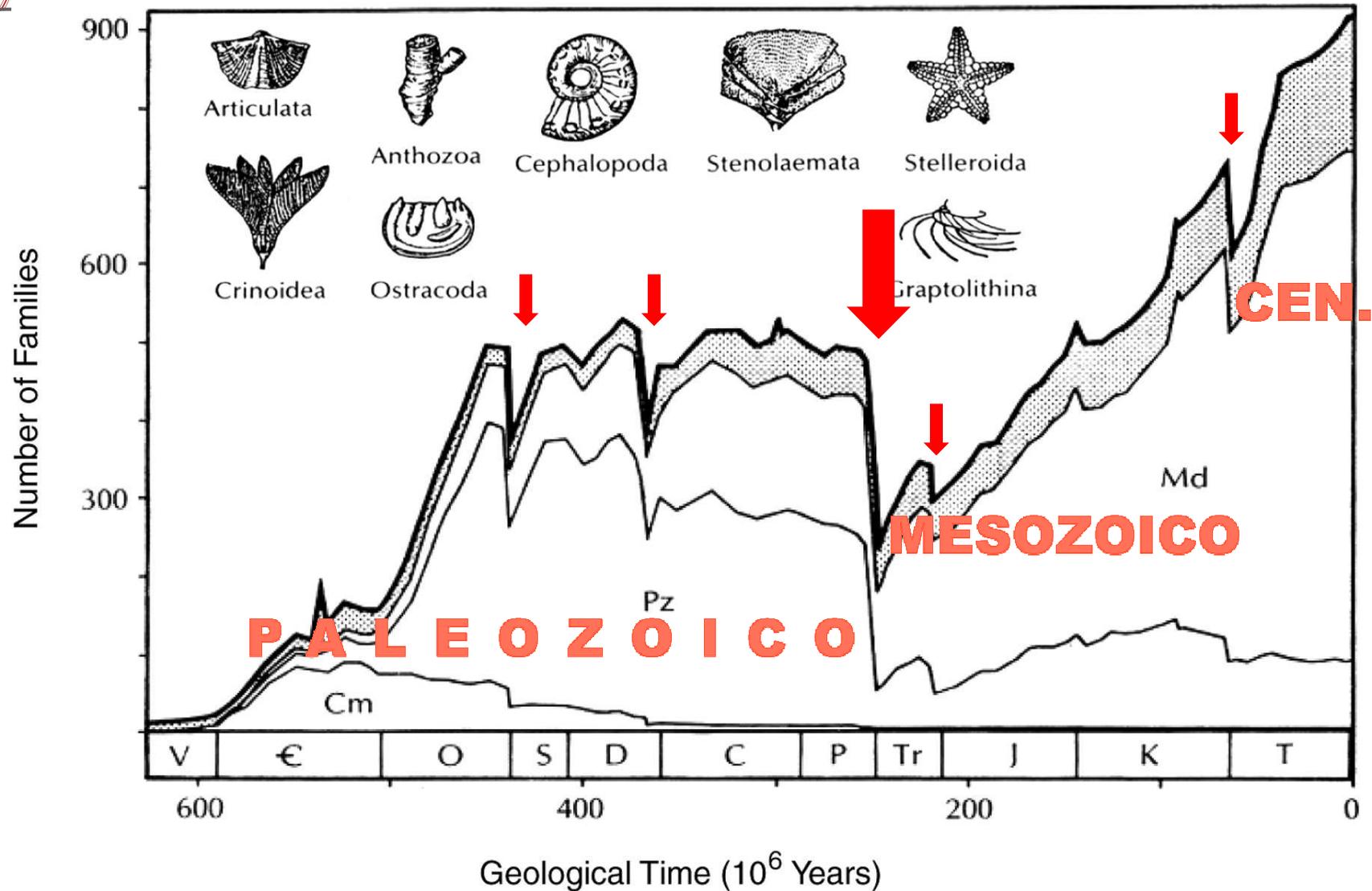


Ciò che ci dicono i fossili: % di generi estinti per intervallo di tempo degli ultimi 500 milioni di anni

Marine Genus Biodiversity: Extinction Intensity



Le grandi estinzioni di massa





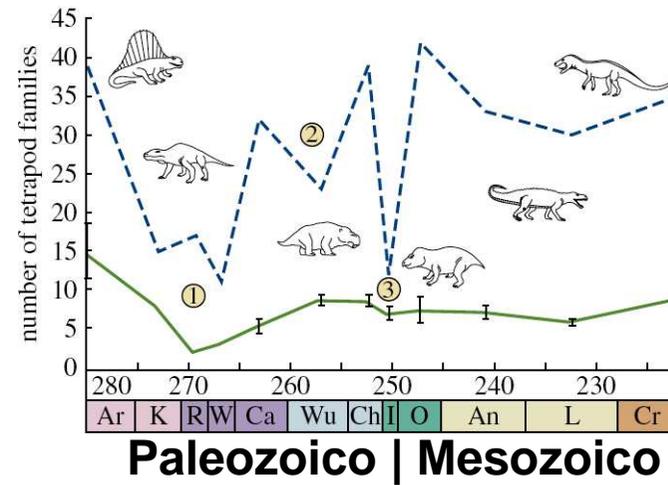
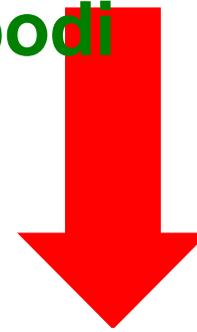
**Il mondo 250
milioni di anni fa:**

**all'epoca della
più grande
caduta della
biodiversità nella
storia della vita
sul pianeta Terra**





**250 milioni di anni fa:
ecco cosa accadde
alla diversità dei
tetrapodi**



Estinzioni di massa nel passato

Quali cause?



E oggi?



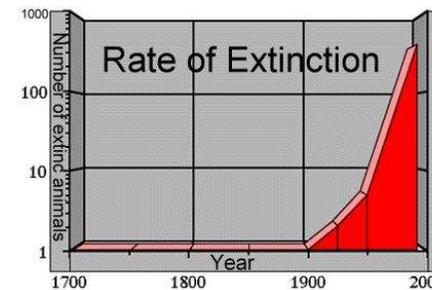
Northern Corroboree frog
Its breeding sites are vulnerable to feral pigs and horses. Under attack from the chytrid fungus disease which is exacerbated by climate change

Ganges river dolphin
Suffering as the river experiences damming, overfishing, chronic pollution and excessive drainage for irrigation projects

Freshwater 29% of species lost in the past 35 years

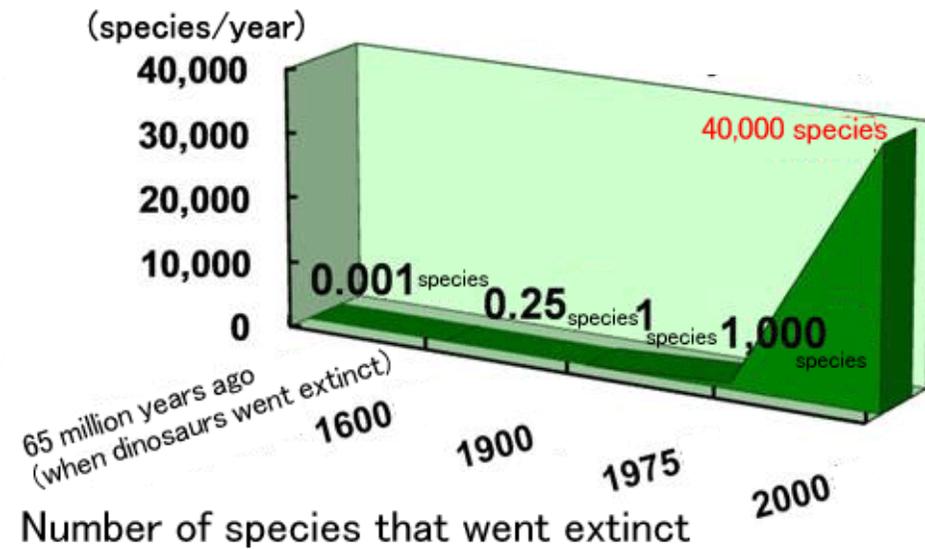
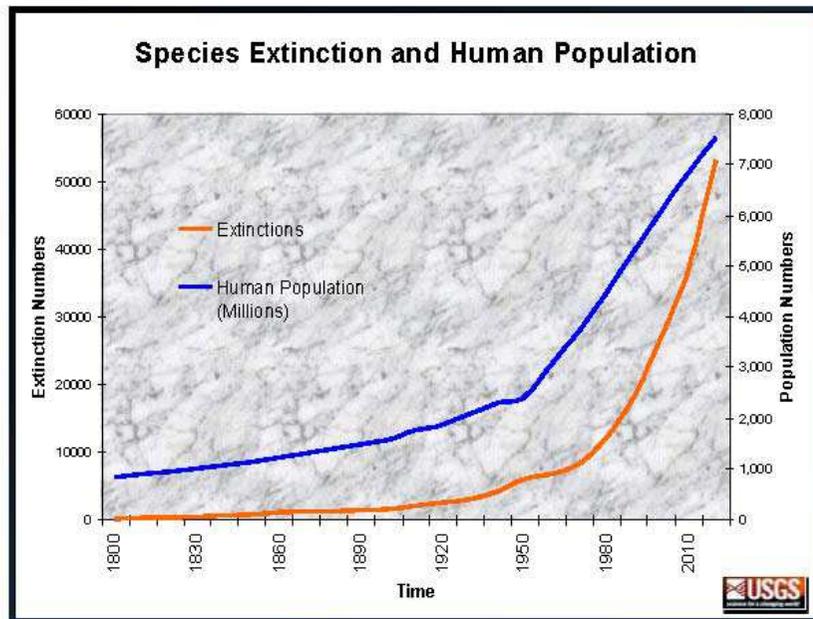
Cormorant
Up to two-thirds of chicks are killed when their meadow habitats are mown, because the baby birds are reluctant to leave tall grass

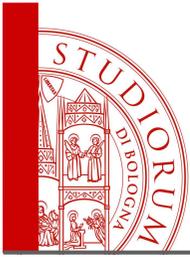
Male Indian Gharial
The rivers where these alligators live have been dammed and diverted for irrigation, and unlike many fellow reptiles they cannot walk overland in search of more





Un'estinzione di massa, adesso?





Estinzione di massa, adesso?



Sovrappopolamento umano,

Sfruttamento agricolo,

Inquinamento,

Sfruttamento di risorse naturali,

Distruzione degli habitat.....