

Livets historia del 2: Dinosaurier, fåglar och däggdjur

Kråka Larsen VFU 2025

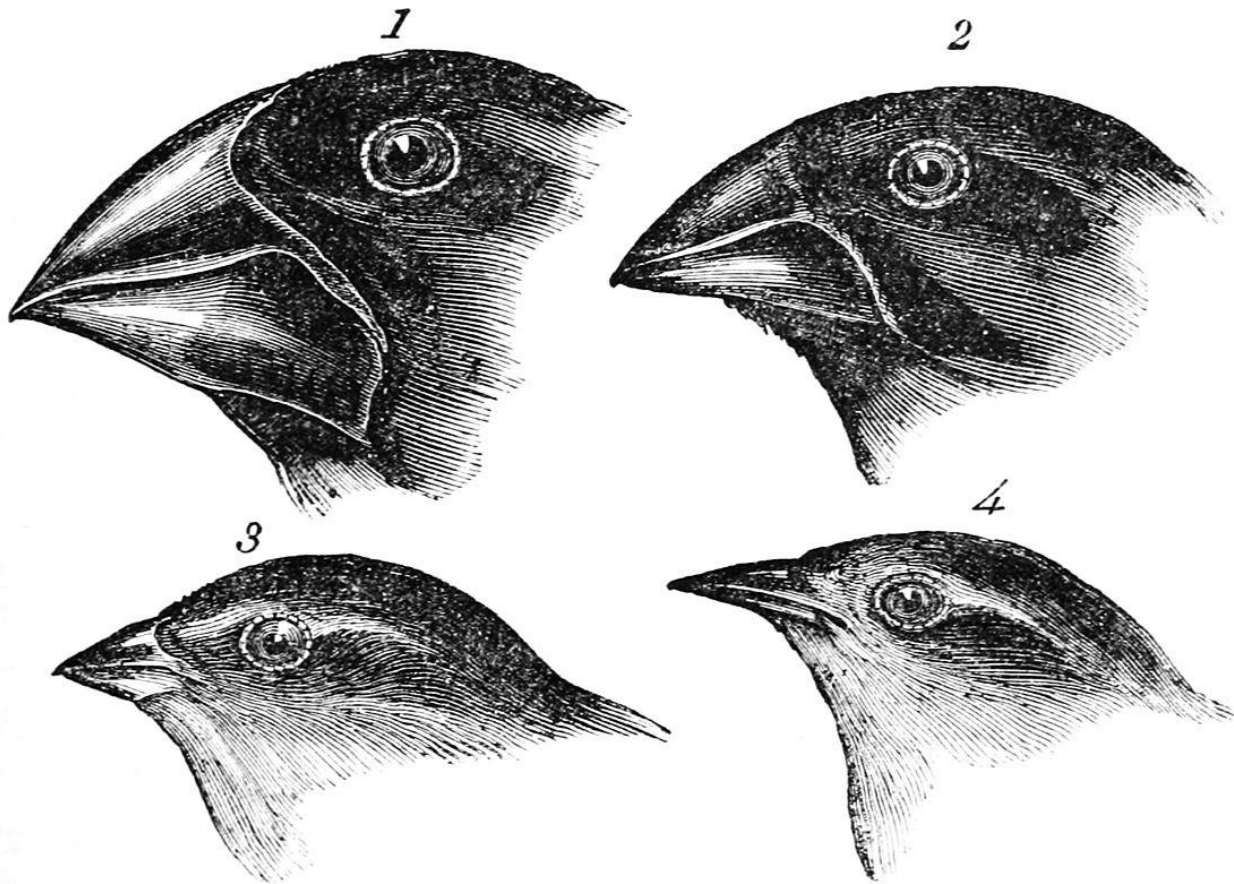


Repetition igen!

Darwin's postulat säger att:

- Det finns en variation bland individer i en population
- En del av variationen är ärftlig
- Överproduktion: Alla varianter kan inte överleva och reproducera sig lika väl (kamp om resurser etc.)
- Variationen i överlevnad och fortplantning beror på den ärftliga variationen av egenskapen.





1. *Geospiza magnirostris*.
3. *Geospiza parvula*.

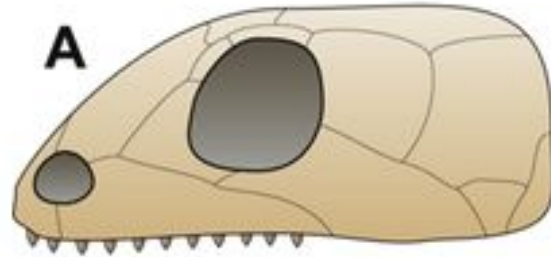
2. *Geospiza fortis*.
4. *Certhidea olivacea*.



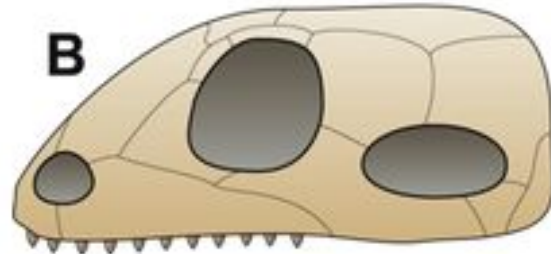
Simon Blenkins
2014

Amniote skull types

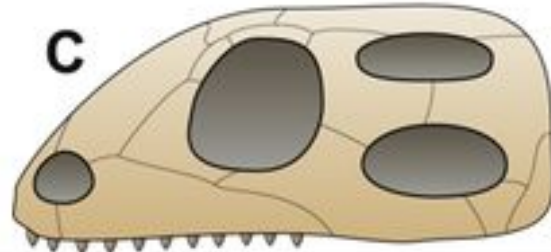
- A- Turtles



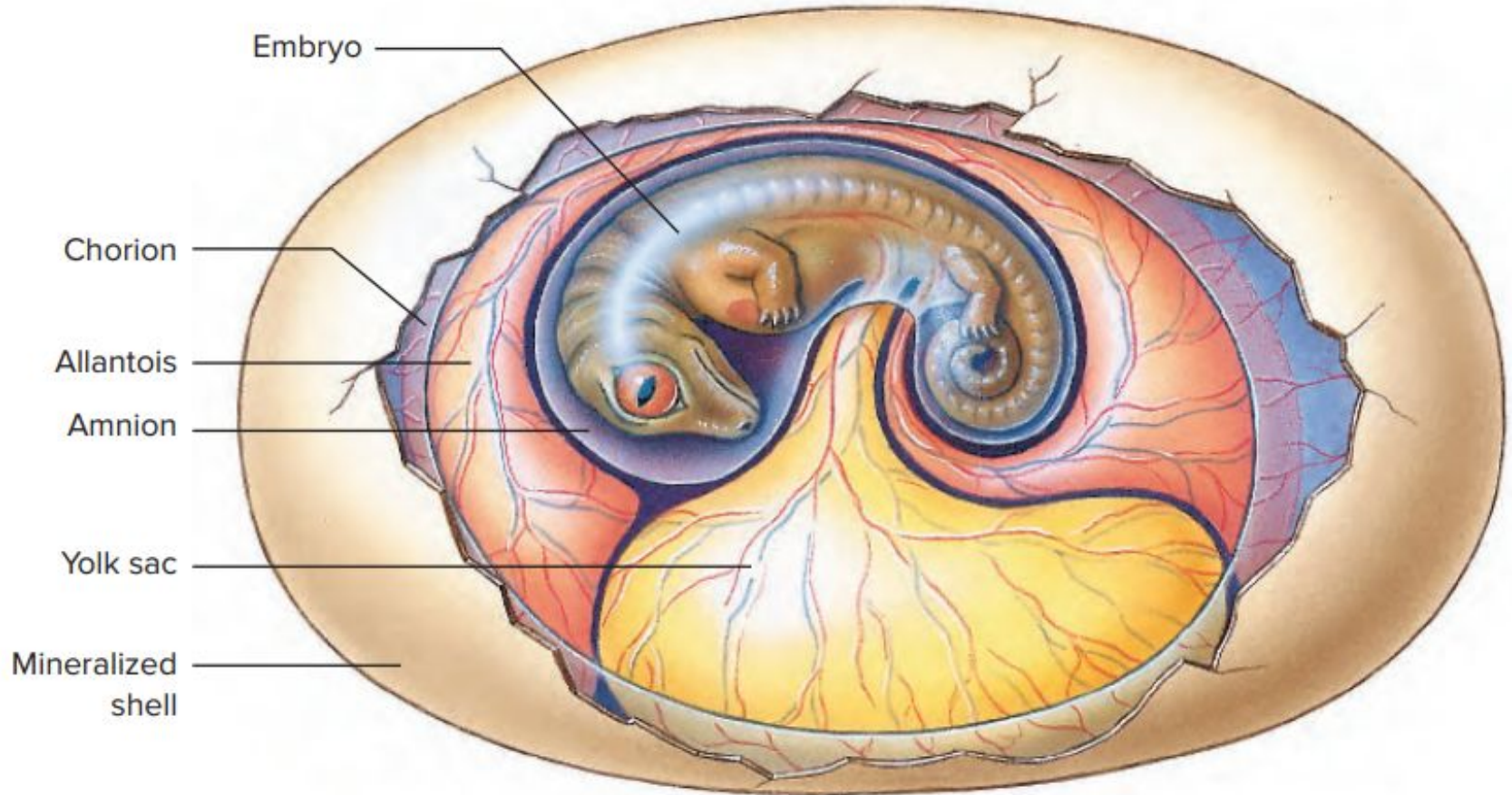
- B- Mammals



- C- Reptiles and Birds

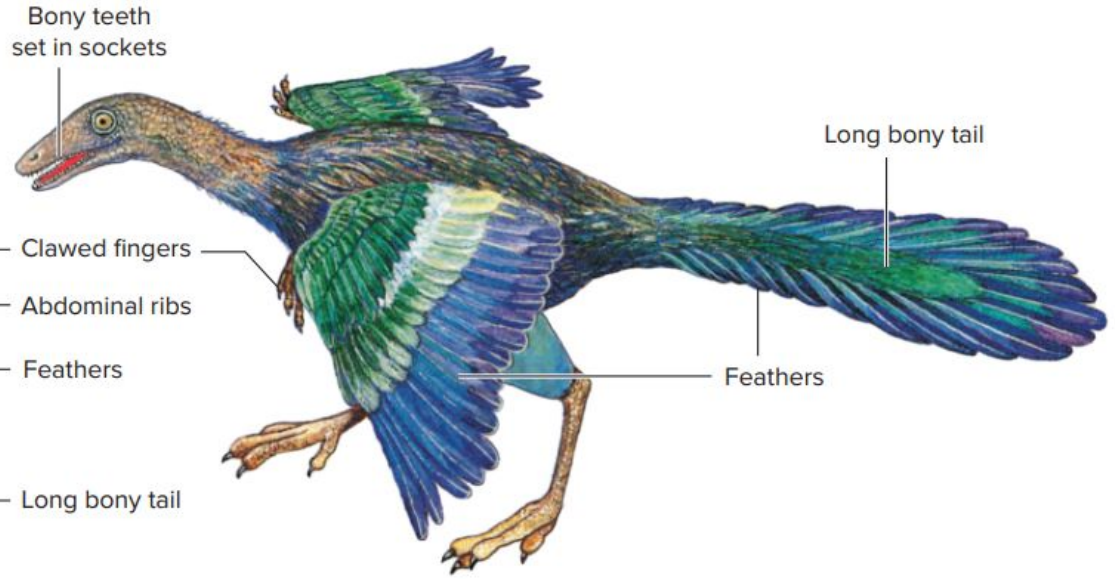












A Cast of fossil of *Archaeopteryx*.

B Reconstruction of *Archaeopteryx*.

Figure 27.1 *Archaeopteryx*, a 147-million-year-old early bird. **A**, Cast of the second and most nearly perfect fossil of *Archaeopteryx*, which was discovered in a Bavarian stone quarry. Twelve specimens of *Archaeopteryx* have been discovered, the most recent one in 2011. **B**, Reconstruction of *Archaeopteryx*.

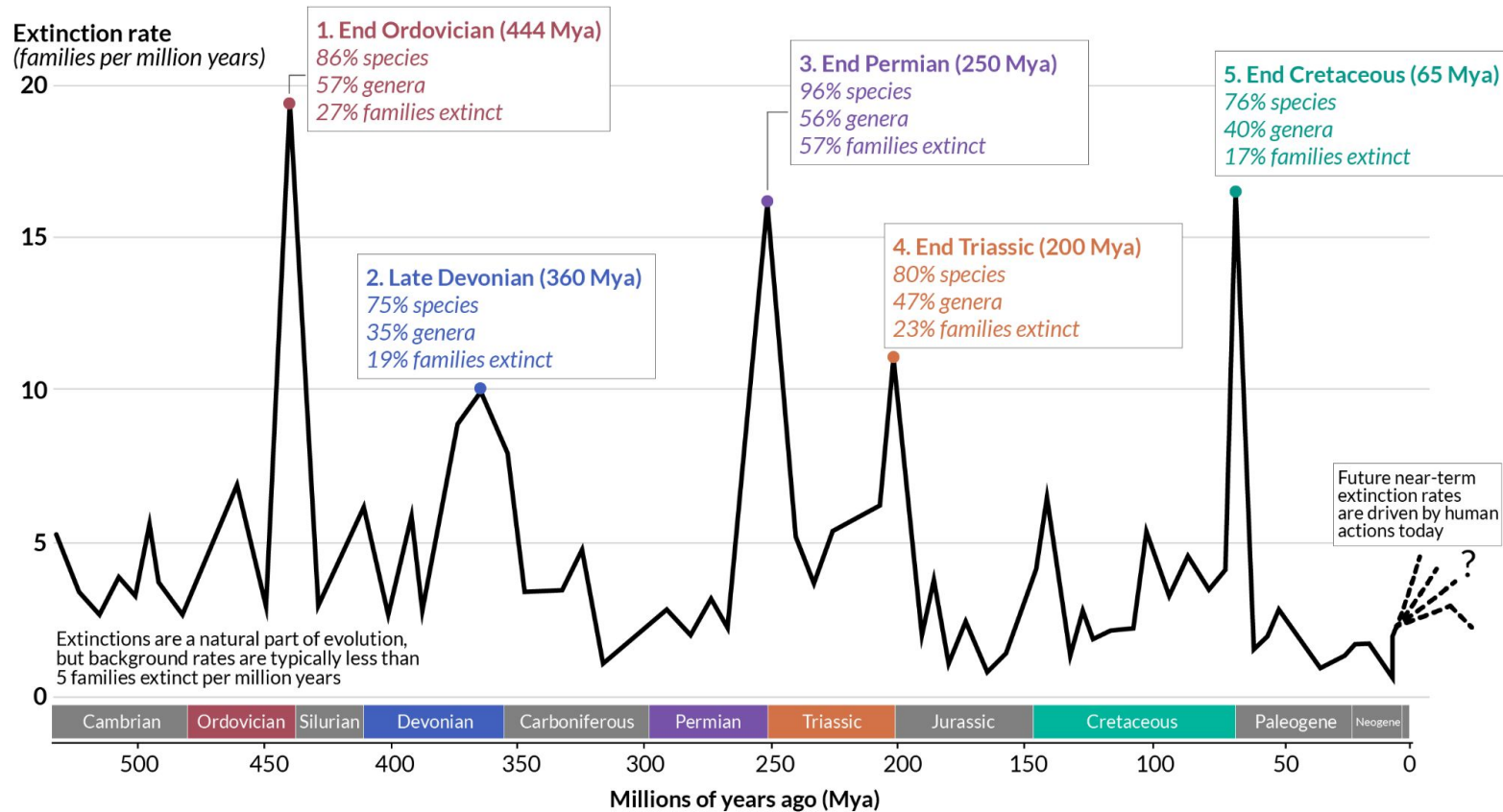






'Big Five' Mass Extinctions in Earth's History

A mass extinction is defined by the loss of at least 75% of species within a short period of time (geologically, this is around 2 million years).



Sources: Barnosky et al. (2011); Howard Hughes Medical Institute; McCallum (2015). Vertebrate biodiversity losses point to a sixth mass extinction.

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Däggdjur (Mamalia)

Fåglar (Aves)

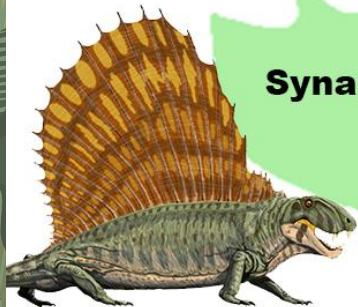
Reptiler

Dinosaurier

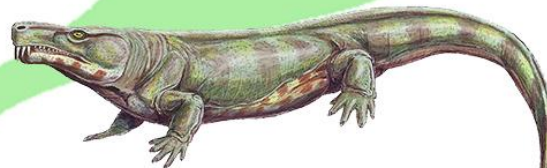
Nattaktiv
flaskhals



Synapsida



Sauropsida



Amniota

0

100

200

300

Million years ago





El Museo de Historia Natural
de la Universidad Nacional Autónoma de México
tiene a su disposición el Museo de Historia Natural
de la Universidad Nacional Autónoma de México
en el campus de la UNAM, en el Estado de México
y en el campus de la UNAM, en el Estado de México.



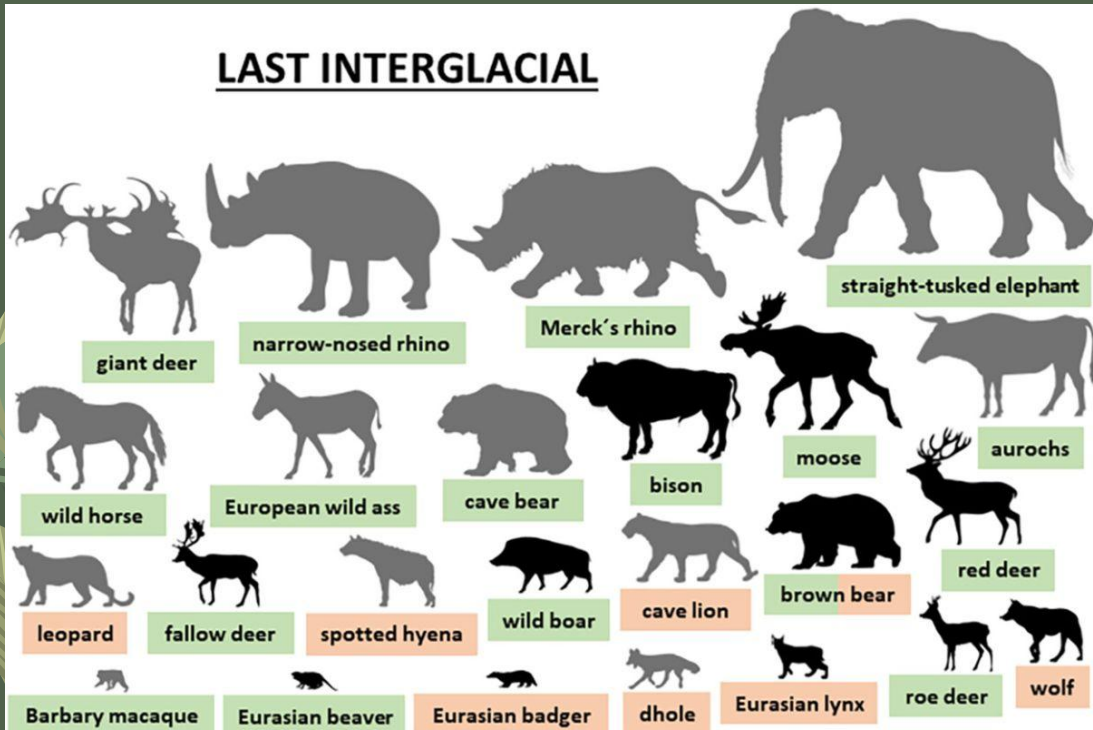






CONABIO

Tu pereza mañanera nunca será tan pesada como esta

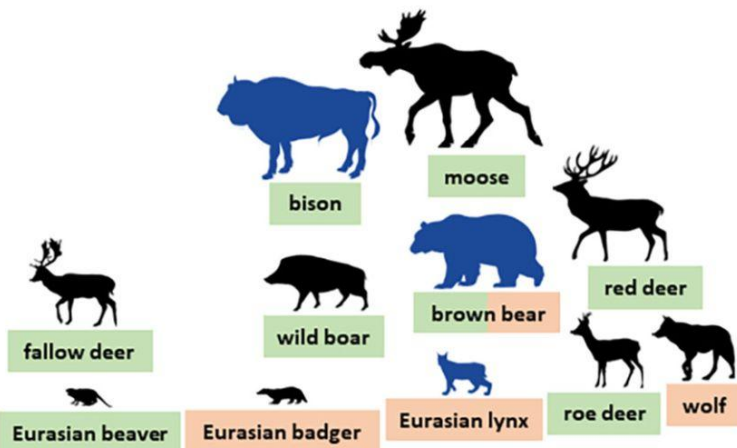


LAST INTERGLACIAL



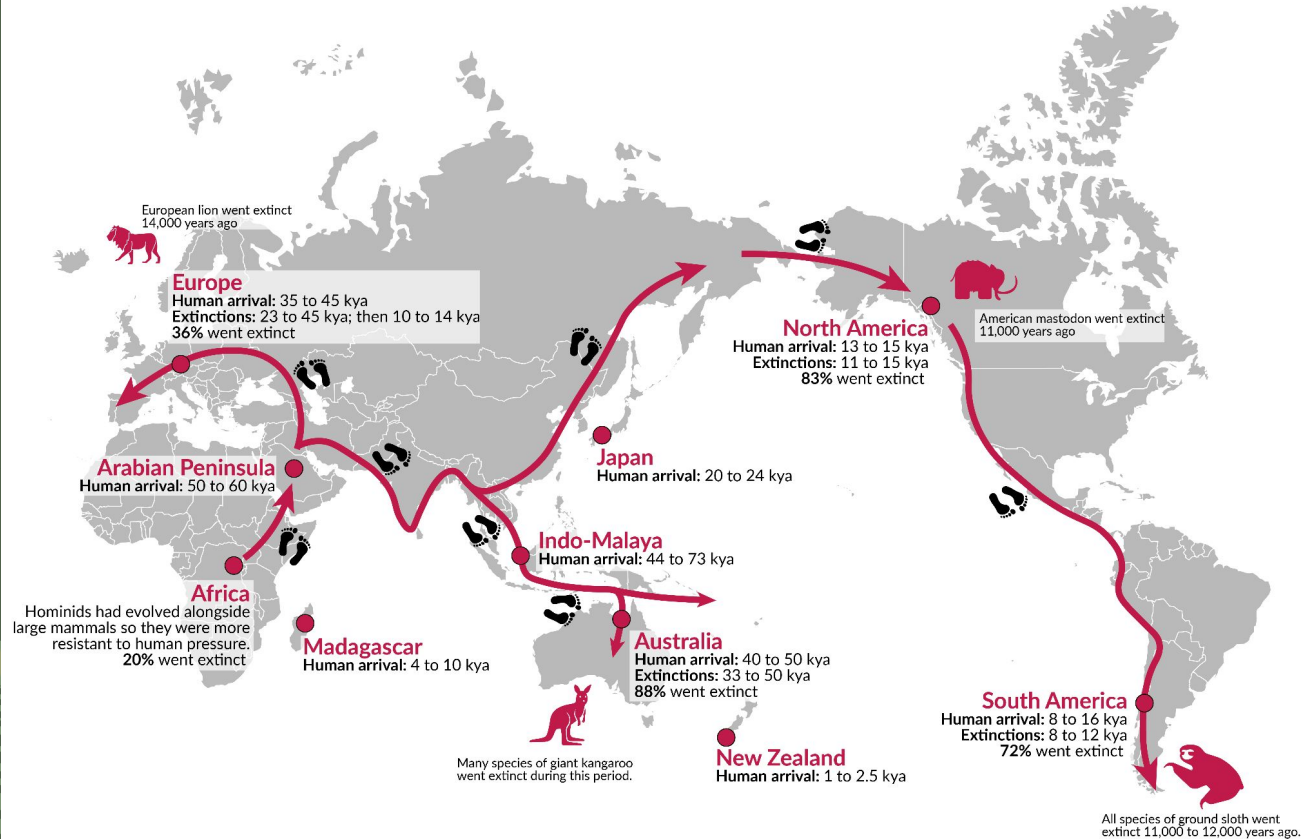
	extinct or not occurring anymore as free-ranging in the area
	range drastically reduced in the area from the LIG to the present
	herbivore
	carnivore

PRESENT



Human migration and the extinction of large mammals

The Quaternary Megafauna extinction killed off more than 178 of the world's largest mammal species from 52,000 to 9,000 BC. These extinctions closely mapped human migrations across the world's continents.



Data Source: Andermann et al. (2020). The past and future human impact on mammalian diversity. *Science*. Images sourced from Noun Project.

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Myskoxar Foto: TT

20 myskoxar ska skjutas i Norge

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