



Откуда произошли люди?

Лекция 4

Как можно узнать про предков человека – по следам человекообразных существ – гоминид, обнаруженным Мэри Лики в 1979 году в районе Лаэтоли, Африка

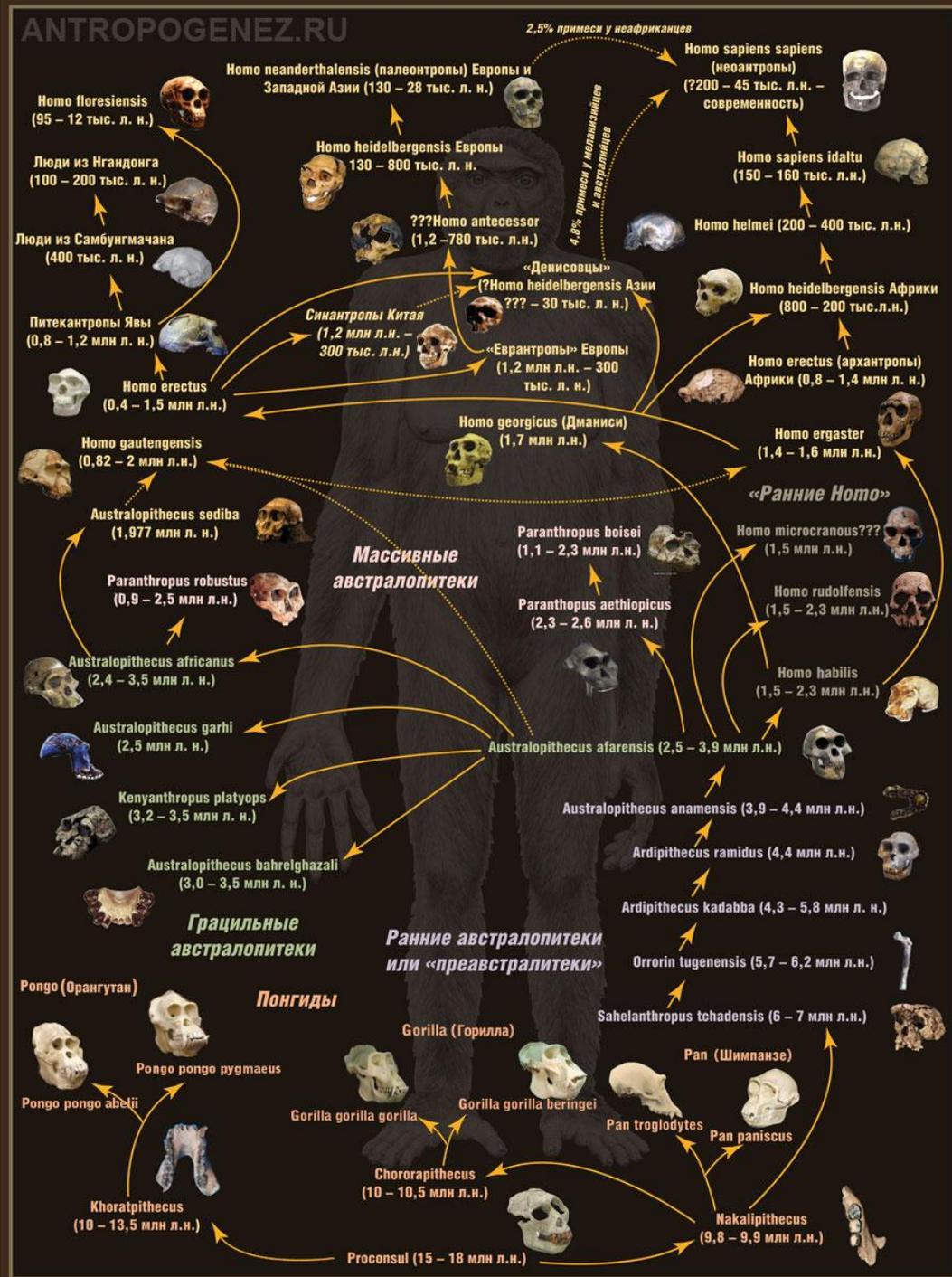
Что такое реконструкция?

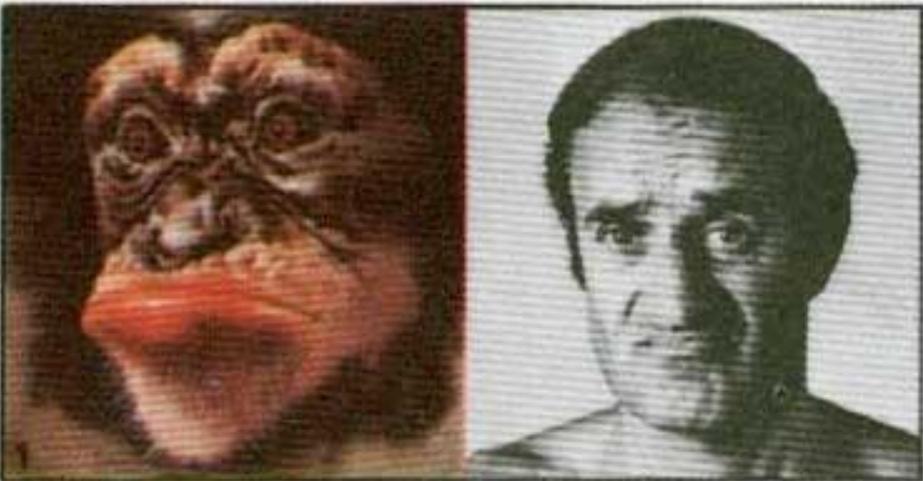
Отпечатки были оставлены в слоях вулканического пепла, возраст которого, согласно калий-аргоновому методу, составляет от **3,6 до 3,8 миллиона лет**





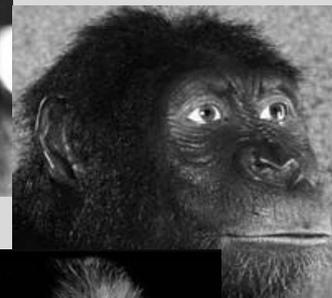
Наши родственники и мы



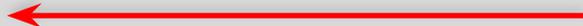


Facial expressions are more evolved in primates than in any other animals. Humans and chimpanzees have a range of expressions that are very similar. A chimpanzee's pout of curiosity (1) might be skepticism, or doubt, in a human. A smile (2) expresses pleasure in both chimpanzee and man.

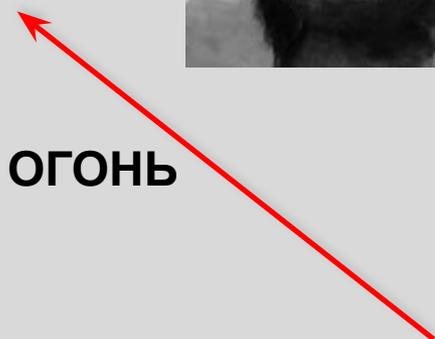
A thoughtful or anxious chimpanzee (3) purses its lips in an expression very much like that of human concentration. There is one disparity however. What appears to be outright laughter (4) in a chimpanzee is in fact an expression of annoyance or unhappiness.



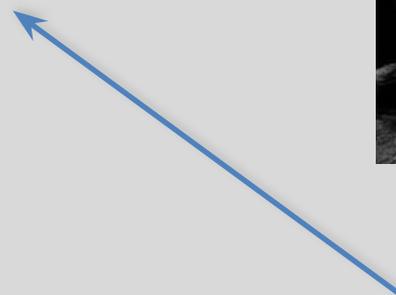
ОРУДИЯ



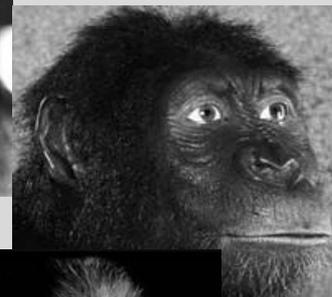
ЯЗЫК



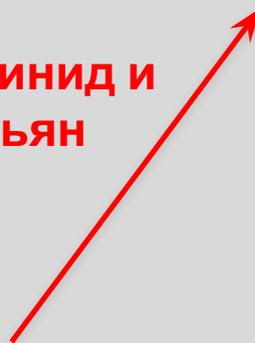
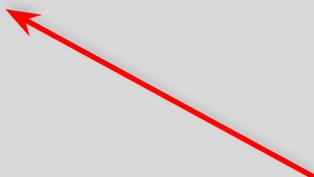
ОГОНЬ



ПРЯМОХОЖДЕНИЕ



**Ископаемый предок гоминид и
человекообразных обезьян**





прямохождение

Гоминины – *Homo* – перешли от растительноядности к плотоядности. Вероятно, сначала они отнимали добычу у хищников или подбирали остатки их пиршеств. Об этом свидетельствуют следы каменных орудий на костях, отпечатавшиеся поверх следов зубов львов и гиен. "Ранние *Homo*" – *Homo habilis* и *Homo rudolfensis* – научились изготавливать



Кости со следами обработки орудиями

**Около 1,7 млн.л.н. в Африке появились
каменные индустрии, в которых
заметно довольно резкое изменение
технологии обработки камня и форм орудий.**



**Ашельска
я
культура**

Сколько разных народов и обществ на земном шаре?



big-map.ru

**Сколько разных народов и обществ на земном
шаре?**

6000-7000 языков

**К 1940 году было описано около 1200
народов**

Карта местонахождений

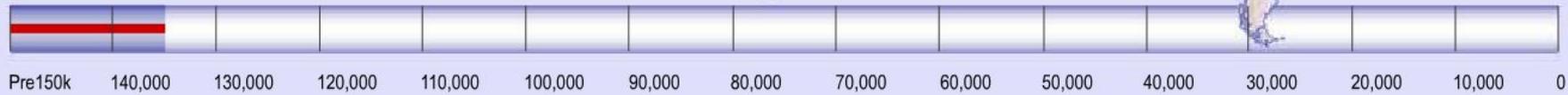


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74,000 Mt Toba
Super-eruption of Mt. Toba, Sumatra, causing a 6 year nuclear winter and instant 1000 year ice-age with a dramatic population crash, to less than **10,000 adults**. Volcanic ash from the eruption up to 5m deep covered India & Pakistan.

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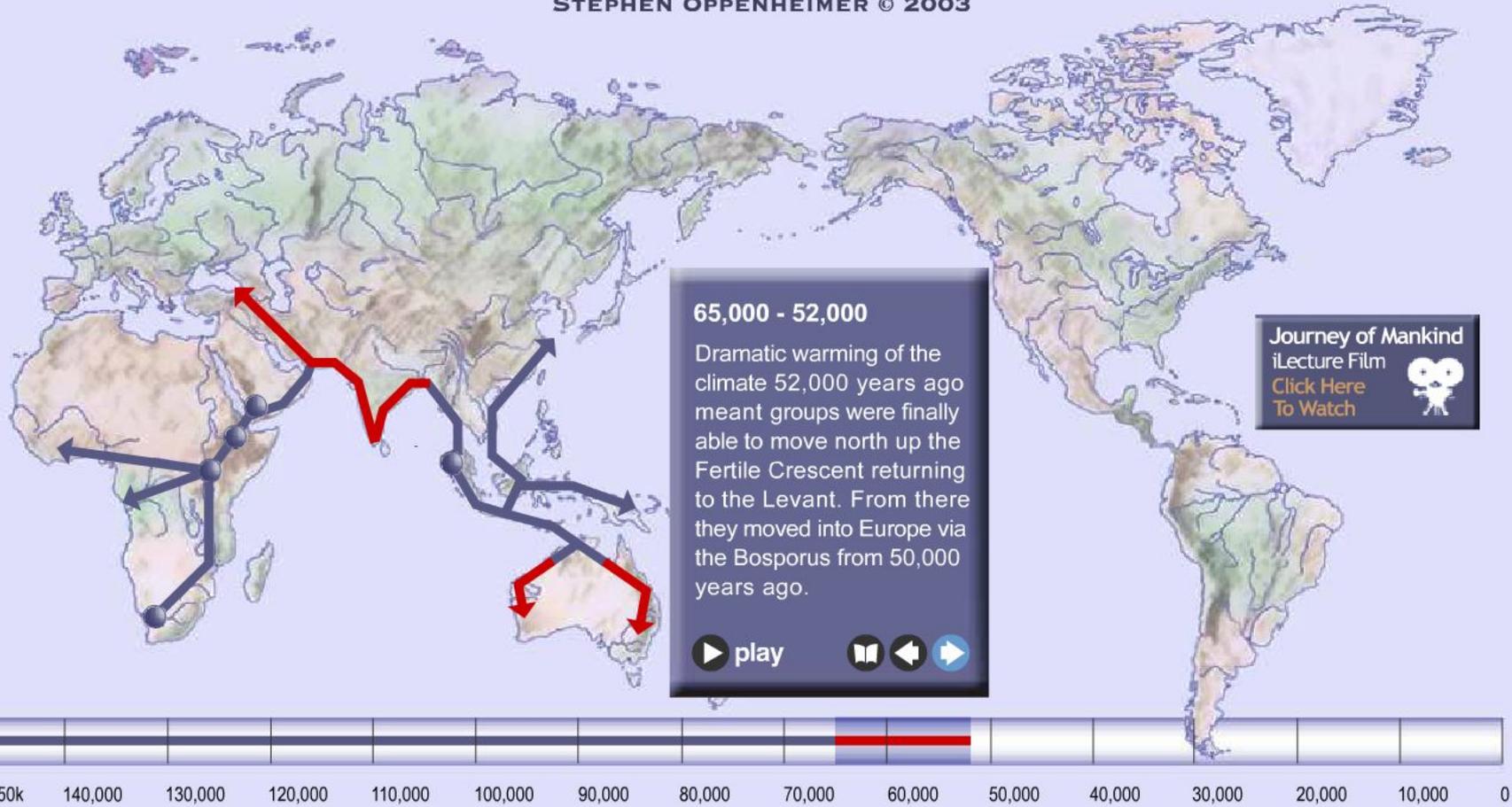
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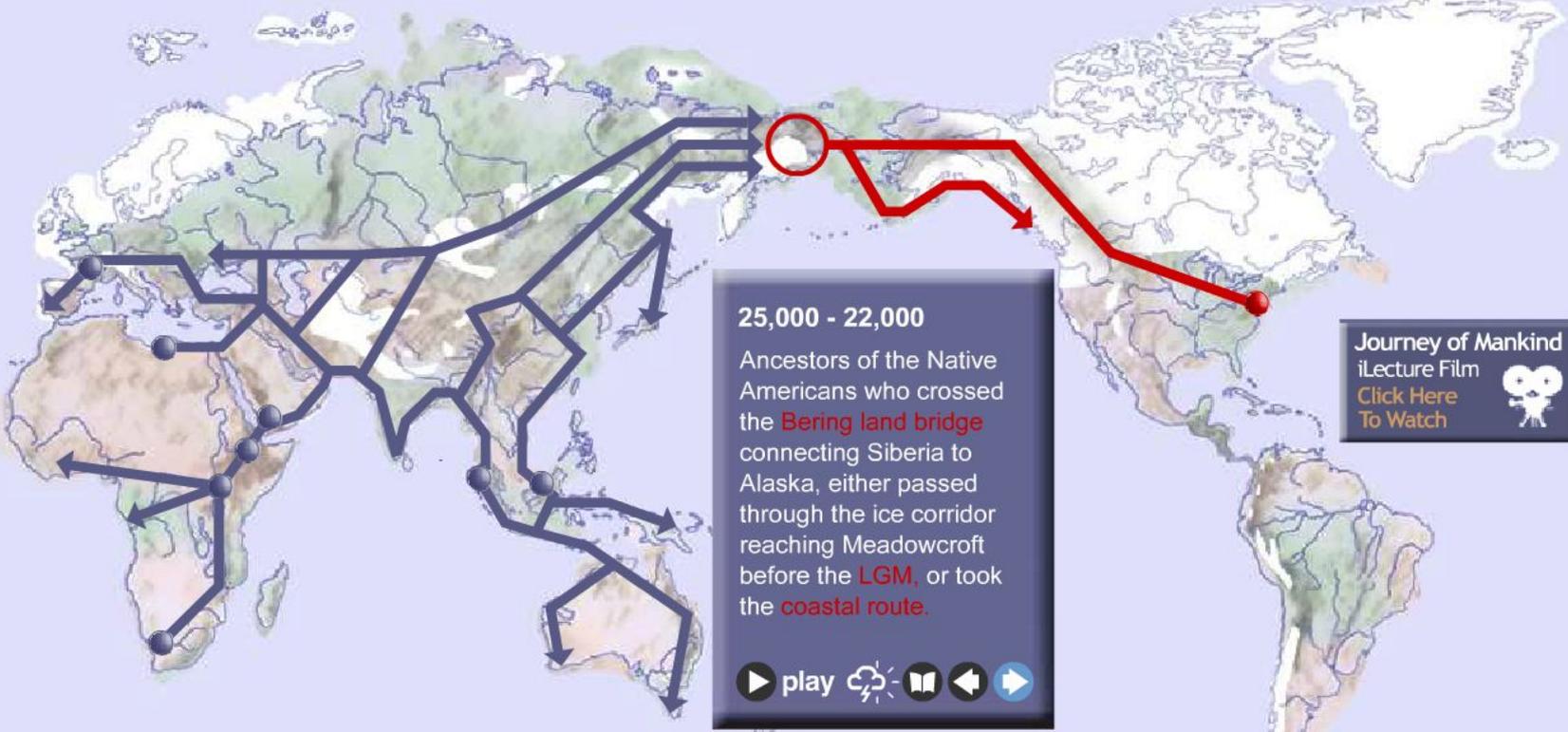
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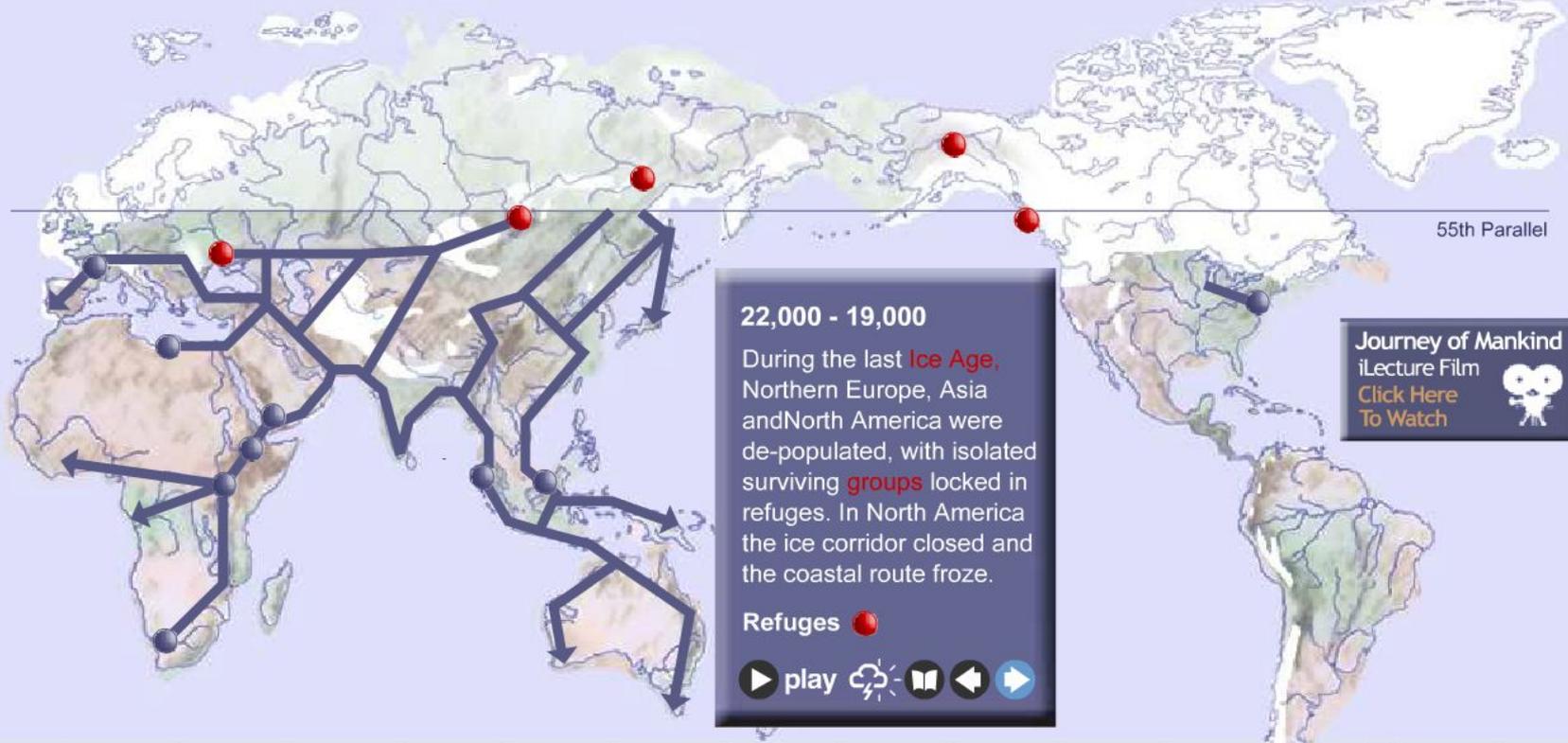
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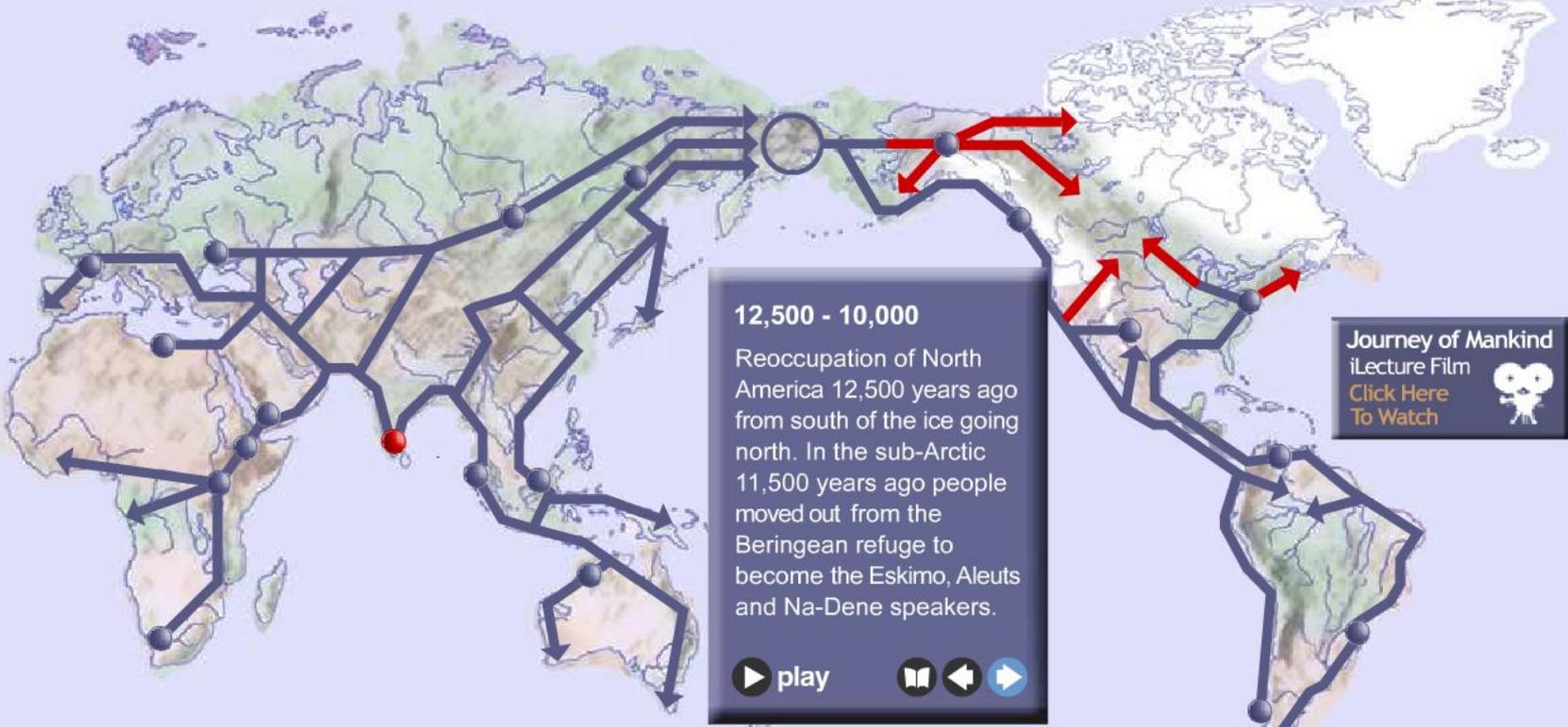
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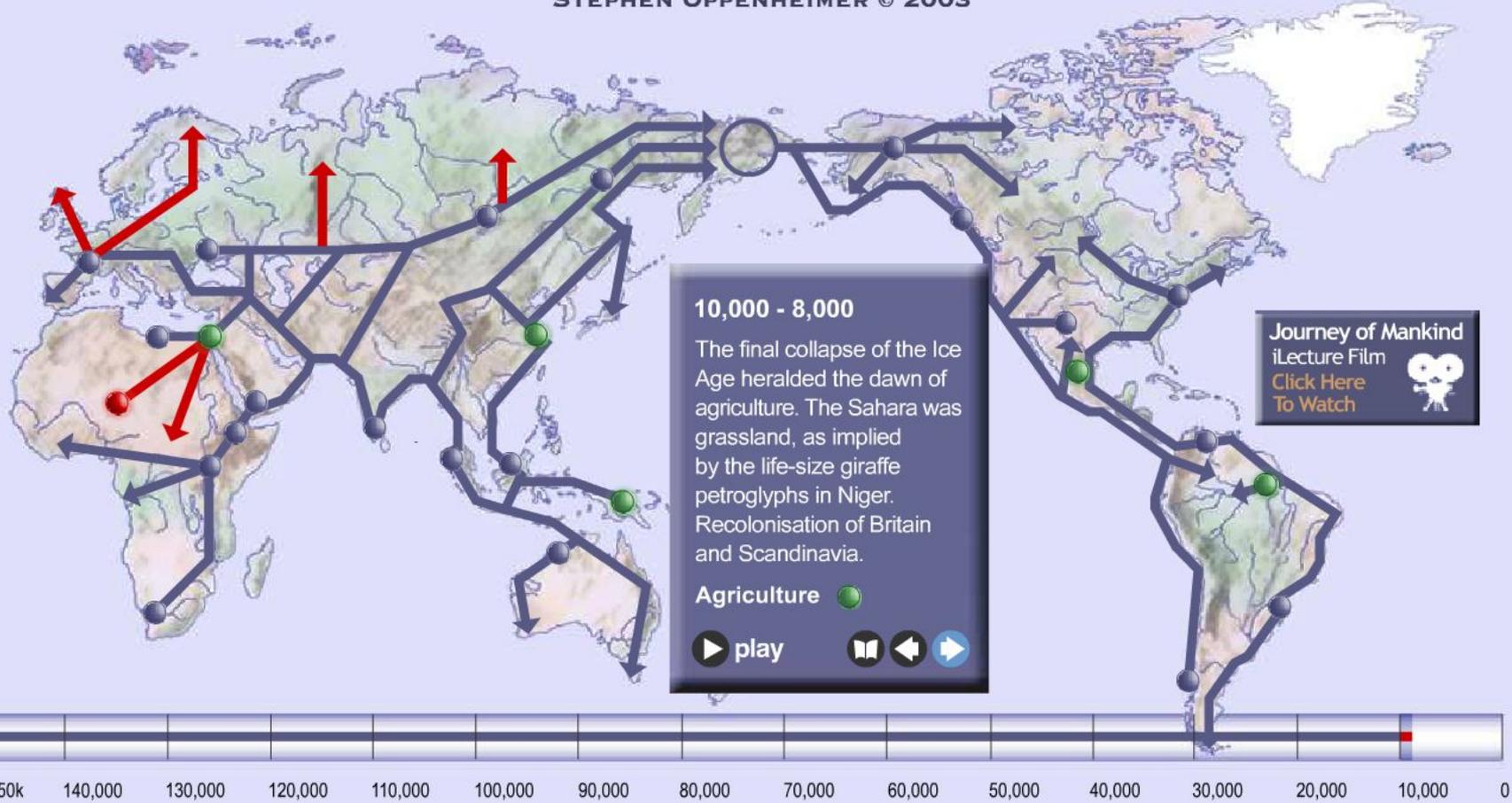
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