Ken uzelve

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Prof. Dr. José Joordens

Ken Uzelve

Wat we kunnen leren van
menselijke evolutie

ON
THE ORIGIN OF SPECIES
BY MEANS OF NATURAL SELECTION,
OR THE
PRESERVATION OF FAVOURED RACES IN THE STRUGGLE
FOR LIFE.

Darwin, 1859

THE
3981
DESCENT OF MAN,
AND
SELECTION IN RELATION TO SEX.

Darwin, 1871

HAECKEL'S EVOLUTION OF MAN.

PEDIGREE OF MAN.

Haeckel, 1879

Trinil, 1894

Ouderdom mensachtige soorten

Chimpanzee

Mens

Bonobo

Snijsporen op 2 miljoen jaar oude waterdieren

♂ verleiding en ♀ keuze

♂dwang en ♀verzet

Mens

Ardipithecus ramidus
4.4 Mj oud

Chimpansee

Klimaat werd droger en kouder vanaf 7 en 3 Mjg

Mensachtigen van alle tijden

Reconstructies door Élisabeth Daynès

Noordzee, 1994

Afar in Ethiopïe, 2019

Hypothetische stamboom van 48 soorten

volledige stamboom

3% fossielen gevonden

gereconstrueerde stamboom

Overzicht mensachtige soorten

Aangepast op basis van Levin, 2015

DNA analyse: seksuele vermenging tussen soorten

Hominin Paleocology and Evolution

Josephine C. A. Joordens^{1,2}, Francesco d'Errico^{3,4}, Frank P. Wesselingh⁵, Stephen Munro^{6,7}, John de Vos⁵, Jakob Wallinga^{8,9}, Christina Ankjærgaard^{8,9}, Tony Reimann^{8,9}, Jan R. Wijbrans², Klaudia F. Kuiper², Herman J. Mûcher^{1,10}, Hlne Coqueugniot³, Vincent Prie^{11,12}, Ineke Joosten¹³, Bertil van Os¹³, Anne S. Schulp^{2,5,14}, Michel Panuel^{15,16}, Victoria van der Haas¹, Wim Lustenhouwer², John J. G. Reijmer² & Wil Roebroeks¹

Dubois' opgraving

Trinil, 2018

Hominin Paleocology and Evolution

Klimaat plus fossielen per gebied

Hypothese: kustbos is oorsprong en refugium

Variable climate

Isolatie en evolutie in kustbos

Stable climate

Verspreiding naar het binnenland

Hominin Paleocology and Evolution

An underwater photograph showing a rocky seabed with various coral and marine life. The water is clear, and the lighting is bright, creating a vibrant blue and green scene. The text "Dank u!" is overlaid in the center.

Dank u!