



NATIONAL MUSEUMS OF KENYA

WHERE HERITAGE LIVES ON

National Museums of Kenya

Licence Agreement

An Agreement is made and effective from this date, in order to define the terms of use of any

and all digital data associated with specimens curated in the - of the National Museums of Kenya.

The Agreement is concluded between **the National Museums of Kenya (NMK)**:

National Museums of Kenya Corporate Headquarters,
Museum Hill, Nairobi, Kenya.
Tel:+254-20-8164134/6

The NMK, as holder of the digital data, grants permission to the Licensee, for the use of the material related ONLY to the following research request, which includes any educational and/or scientific presentations resulting from this project:

and **the Licensee**:

Full Name:	
Address of Affiliated Institution:	
Telephone Number:	
Email:	



NATIONAL MUSEUMS OF KENYA

WHERE HERITAGE LIVES ON

National Museums of Kenya

Research Project Title:

Research Project Description (maximum 250 words):



Terms:

- 1) The term 'CT scan' in this licence agreement refers to all or part of an original CT image or associated series of CT images, its raw data, as well as to any images or objects derived from these (e.g., surface models), represented in any digital or physical format.
- 2) This agreement exclusively pertains to CT scans requested in this agreement (see table below)
- 3) The copyright and ownership of the CT scans belong to the NMK under the Museum Trustees exclusively. The CT scans are provided for scientific use by the institutional research group of the licensee only. The licensee agrees not to provide the CT scans to any third party, including other researchers and institutions.
- 4) Use of digital data derived from the CT scans (e.g., images of surface renderings, surface models movies) by the licensee is permitted for research (including the creation of digital media associated with the publication of research); however they cannot be disseminated to third parties or used for commercial publications. The licensee is permitted to produce 3D prints from the CT scans only for personal use in research and teaching. Under no circumstances can 3D prints derived from the CT scans be disseminated to third parties or used for commercial purposes.
- 5) The use of the digital data for additional projects NOT listed on this Agreement requires written permission from the NMK. If the licensee is unsure whether a new project falls within the scope of the original proposed project (described above) they must contact the NMK for guidance.
- 6) The NMK retains the copyright of the CT scans when published in any form. Permission to reproduce the CT scans in any form other than in scientific publications or for scientific presentations (oral or poster) must be obtained from the Department of Earth Sciences, NMK.
- 7) Any publication of the CT scans and/or study of the CT scans will acknowledge "the Department of Earth Sciences, National Museums of Kenya", and a copy in print or PDF format will be forwarded to the Department of Earth Sciences, NMK.
- 8) The NMK has the right to deny the licensee the use of the CT scans in the event this licence agreement is broken by the licensee. Failure to adhere to the stipulations in the agreement could result in the licensee being refused future access to all digital data and other aspects of the collections of the National Museums of Kenya.
- 9) Information about the CT scans is thought to be correct at the time of publishing; any errors will be corrected without notification and do not annul the terms of this agreement.

Accessing CT scans:

- 1) The licensee should select in the table below the CT scans they would like to purchase for use in the described research project.
- 2) Upon acceptance of the proposed project, the NMK will issue an invoice for the requested CT scans. Upon receipt of payment the NMK will organize for the CT scans to be transferred to the licensee.

Digital Signature:

The typed / written signature of the Assignee indicates that all stipulations mentioned in this Agreement have been read, are clearly understood, and will be adhered to.

Date, Name

List of available tomographic scans and associated user fees (\$USD)

Note that fees for scans are determined based on several factors including the skeletal element, its degree of preservation, and the visibility of internal structures in the CT scan. This can result in differing fees for specimens that preserve similar external anatomy. Note that 'high resolution' scans often only contain a subregion (e.g., dentition) of a specimen. Also note that in some cases medical CT scans, while being lower in spatial resolution, can provide better tissue contrast between structures, so researchers are encouraged to view the available movie files in those cases when fossils have been scanned with multiple systems.

Please place an 'X' in the requested column for those CT scans you would like to purchase.

As noted above the licensee is required to acknowledge those involved in the production of the CT scans. The Source column below identifies the institution/individual responsible for producing the CT on behalf of the museum and should be acknowledged as follows:

NMK – “the Department of Earth Sciences, National Museums of Kenya”

MPI-EVA – “the Department of Human Evolution, Max Planck Institute for Evolutionary Anthropology”

Medical CT scans

Accession #	Species	Anatomy	Resolution	Fee (US\$)	Request	Source
KNM-ER 406	<i>P. boisei</i>	Cranium	~0.39 mm	\$100		NMK
KNM-ER 1805	<i>H. habilis</i>	Calotte	~0.25 mm	\$100		NMK
KNM-ER 1805	<i>H. habilis</i>	Mandible and maxilla	~0.25 mm	\$100		NMK
KNM-ER 1813	<i>H. habilis</i>	Cranium	~0.25 mm	\$150		NMK
KNM-ER 3733	<i>H. erectus</i>	Cranium	~0.30 mm	\$150		NMK
KNM-ER 3883	<i>H. erectus</i>	Cranium	~0.30 mm	\$100		NMK
KNM-ES 11693	<i>Homo sp.</i>	Cranium	~0.34 mm	\$100		NMK
KNM-WT 15000	<i>H. erectus</i>	Skull	~0.33 mm	\$200		NMK
KNM-WT 15000	<i>H. erectus</i>	Vertebrae, ribs	~0.21 mm	\$100		NMK
KNM-WT 17000	<i>P. aethiopicus</i>	Cranium	~0.33 mm	\$150		NMK
KNM-ER 60000	<i>H. rudolfensis</i>	Mandible	~0.25 mm	\$100		NMK
KNM-ER 62000	<i>H. rudolfensis</i>	Maxilla	~0.16 mm	\$100		NMK

MicroCT scans

Accession #	Species	Anatomy	Resolution	Fee	Request	Source
KNM-BK						
KNM-BK 67	<i>H. erectus</i>	Mandible	~0.073 mm	\$200		MPI-EVA
KNM-BK 67	<i>H. erectus</i>	Mandible high resolution	~0.031 mm	\$250		MPI-EVA
KNM-BK 8518	<i>H. erectus</i>	Mandible high resolution	~0.031 mm	\$150		MPI-EVA
KNM-BK 8518	<i>H. erectus</i>	Mandible	~0.064 mm	\$100		MPI-EVA
KNM-CH						
KNM-CH 1B	<i>P. boisei</i>	Maxilla	~0.030 mm	\$150		MPI-EVA



KNM-ER						
KNM-ER 406	<i>P. boisei</i>	Cranium	~0.091 mm	\$200		MPI-EVA
KNM-ER 729	<i>P. boisei</i>	Mandible	~0.088 mm	\$150		MPI-EVA
KNM-ER 730A	<i>H. erectus</i>	Mandible	~0.038 mm	\$100		MPI-EVA
KNM-ER 732A	<i>P. boisei</i>	Cranium	~0.075 mm	\$150		MPI-EVA
KNM-ER 733E	<i>P. boisei</i>	Left maxilla	~0.030 mm	\$100		MPI-EVA
KNM-ER 738AB	Hominin	Left femur	~0.091 mm	\$100		MPI-EVA
KNM-ER 738AB	Hominin	Left proximal femur	~0.038 mm	\$150		MPI-EVA
KNM-ER 807	<i>Homo sp.</i>	Right partial maxilla	~0.030 mm	\$100		MPI-EVA
KNM-ER 815	Hominin	Left proximal femur	~0.036 mm	\$50		MPI-EVA
KNM-ER 820	<i>H. erectus</i>	Mandible	~0.032 mm	\$150		MPI-EVA
KNM-ER 992A	<i>H. erectus</i>	Mandible high resolution	~0.030 mm	\$75		MPI-EVA
KNM-ER 992A	<i>H. erectus</i>	Mandible overview	~0.091 mm	\$100		MPI-EVA
KNM-ER 992B	<i>H. erectus</i>	Mandible high resolution	~0.030 mm	\$75		MPI-EVA
KNM-ER 992B	<i>H. erectus</i>	Mandible overview	~0.091 mm	\$100		MPI-EVA
KNM-ER 1465A	Hominin	Left proximal femur	~0.030 mm	\$50		MPI-EVA
KNM-ER 1470	<i>H. rudolfensis</i>	Cranium	~0.091 mm	\$250		MPI-EVA
KNM-ER 1470	<i>H. rudolfensis</i>	Occipital fragment	~0.046 mm	\$5		MPI-EVA
KNM-ER 1472	Hominin	Right femur	~0.091 mm	\$150		MPI-EVA
KNM-ER 1473	Hominin	Right proximal humerus	~0.030 mm	\$50		MPI-EVA
KNM-ER 1477A	<i>P. boisei</i>	Mandible	~0.024 mm	\$150		MPI-EVA
KNM-ER 1481A	<i>H. habilis</i>	Left femur	~0.091 mm	\$150		MPI-EVA
KNM-ER 1502	<i>Homo sp.</i>	Mandible	~0.030 mm	\$75		MPI-EVA
KNM-ER 1503	Hominin	Right proximal femur	~0.030 mm	\$150		MPI-EVA
KNM-ER 1505A	Hominin	Left proximal femur	~0.027 mm	\$150		MPI-EVA
KNM-ER 1505B	Hominin	Left femur shaft fragment	~0.027 mm	\$50		MPI-EVA
KNM-ER 1506A	<i>Homo sp.</i>	Mandible	~0.030 mm	\$75		MPI-EVA
KNM-ER 1507	<i>Homo sp.</i>	Mandible	~0.030 mm	\$150		MPI-EVA
KNM-ER 1802	<i>Homo sp.</i>	Mandible	~0.032 mm	\$200		MPI-EVA
KNM-ER 1805	<i>H. habilis</i>	Cranium	~0.084 mm	\$200		MPI-EVA
KNM-ER 1805	<i>H. habilis</i>	Mandible	~0.058 mm	\$100		MPI-EVA
KNM-ER 1805	<i>H. habilis</i>	Maxilla	~0.064 mm	\$100		MPI-EVA
KNM-ER 1805	<i>H. habilis</i>	Occipital frag.	~0.046 mm	\$5		MPI-EVA
KNM-ER 1813	<i>H. habilis</i>	Cranium	~0.077 mm	\$250		MPI-EVA
KNM-ER 1813	<i>H. habilis</i>	Maxilla high resolution	~0.030 mm	\$150		MPI-EVA
KNM-ER 1820	<i>P. boisei</i>	Mandible	~0.030 mm	\$125		MPI-EVA
KNM-ER 3228	<i>H. erectus</i>	Right os coxae	~0.091 mm	\$200		MPI-EVA
KNM-ER 3230	<i>P. boisei</i>	Mandible	~0.038 mm	\$200		MPI-EVA
KNM-ER 3728	Hominin	Left femur	~0.091 mm	\$100		MPI-EVA
KNM-ER 3728	Hominin	Left proximal femur	~0.034 mm	\$50		MPI-EVA
KNM-ER 3733	<i>H. erectus</i>	Cranium	~0.091 mm	\$250		MPI-EVA
KNM-ER 3883	<i>H. erectus</i>	Cranium	~0.091 mm	\$200		MPI-EVA
KNM-ER 3884	<i>Homo sp.</i>	Neurocranium	~0.091 mm	\$100		MPI-EVA
KNM-ER 3884	<i>Homo sp.</i>	Maxilla	~0.067 mm	\$100		MPI-EVA
KNM-ER 7727	<i>A. anamensis</i>	Maxillary molar	~0.014 mm	\$25		MPI-EVA
KNM-ER 13750	<i>P. boisei</i>	Cranium	~0.091 mm	\$200		MPI-EVA
KNM-ER 15930	<i>P. boisei</i>	Mandible	~0.033 mm	\$150		MPI-EVA
KNM-ER 18538	<i>A. anamensis</i>	Maxillary premolar	~0.014 mm	\$25		MPI-EVA

KNM-ER 18539	<i>A. anamensis</i>	Maxillary premolar	~0.014 mm	\$25		MPI-EVA
KNM-ER 20421	<i>A. anamensis</i>	Maxillary molar	~0.014 mm	\$25		MPI-EVA
KNM-ER 20422	<i>A. anamensis</i>	Mandibular molar	~0.014 mm	\$25		MPI-EVA
KNM-ER 20423	<i>A. anamensis</i>	Mandibular molar	~0.014 mm	\$25		MPI-EVA
KNM-ER 20426	<i>A. anamensis</i>	Tooth	~0.027 mm	\$25		MPI-EVA
KNM-ER 20427	<i>A. anamensis</i>	Maxillary molar	~0.014 mm	\$25		MPI-EVA
KNM-ER 20428	<i>A. anamensis</i>	Mandibular molar	~0.014 mm	\$25		MPI-EVA
KNM-ER 22683	<i>A. anamensis</i>	Mandibular premolar	~0.014 mm	\$25		MPI-EVA
KNM-ER 23000	<i>P. boisei</i>	Cranium	~0.091 mm	\$200		MPI-EVA
KNM-ER 24148	<i>A. anamensis</i>	Maxillary deciduous molar	~0.014 mm	\$25		MPI-EVA
KNM-ER 25520	<i>P. boisei</i>	Partial mandible MISSING	~0.039 mm	\$150		MPI-EVA
KNM-ER 30200	<i>A. anamensis</i>	Maxilla	~0.018 mm	\$100		MPI-EVA
KNM-ER 30201	<i>A. anamensis</i>	Mandibular molar	~0.014 mm	\$25		MPI-EVA
KNM-ER 30745	<i>A. anamensis</i>	Maxilla	~0.024 mm	\$125		MPI-EVA
KNM-ER 35228	<i>A. anamensis</i>	Mandibular premolar	~0.014 mm	\$25		MPI-EVA
KNM-ER 35231	<i>A. anamensis</i>	Maxillary molar	~0.014 mm	\$25		MPI-EVA
KNM-ER 35232	<i>A. anamensis</i>	Mandibular molar	~0.014 mm	\$25		MPI-EVA
KNM-ER 35233	<i>A. anamensis</i>	Mandibular molar	~0.016 mm	\$25		MPI-EVA
KNM-ER 35235	<i>A. anamensis</i>	Maxillary molar	~0.014 mm	\$25		MPI-EVA
KNM-ER 35236	<i>A. anamensis</i>	Maxillary molar	~0.014 mm	\$25		MPI-EVA
KNM-ER 42700	<i>H. erectus</i>	Cranium	~0.091 mm	\$200		MPI-EVA
KNM-ER 42703	<i>Homo sp.</i>	Maxilla	~0.068 mm	\$100		MPI-EVA
KNM-ES						
KNM-ES 11693	<i>Homo sp.</i>	Cranium	~0.091 mm	\$250		MPI-EVA
KNM-KP						
KNM-KP 29281L	<i>A. anamensis</i>	Mandible	~0.030 mm	\$100		MPI-EVA
KNM-KP 29281R	<i>A. anamensis</i>	Mandible	~0.030 mm	\$100		MPI-EVA
KNM-KP 29283L	<i>A. anamensis</i>	Maxilla	~0.068 mm	\$100		MPI-EVA
KNM-KP 29283R	<i>A. anamensis</i>	Maxilla	~0.068 mm	\$100		MPI-EVA
KNM-KP 29284A	<i>A. anamensis</i>	Mandibular canine	~0.027 mm	\$25		MPI-EVA
KNM-KP 29284B	<i>A. anamensis</i>	Mandibular premolar	~0.014 mm	\$25		MPI-EVA
KNM-KP 29286	<i>A. anamensis</i>	Mandible	~0.030 mm	\$100		MPI-EVA
KNM-KP 29286Ai	<i>A. anamensis</i>	Mandibular premolar	~0.027 mm	\$25		MPI-EVA
KNM-KP 29286Aiii	<i>A. anamensis</i>	Mandibular canine	~0.027 mm	\$25		MPI-EVA
KNM-KP 29286B	<i>A. anamensis</i>	Mandibular premolar	~0.014 mm	\$25		MPI-EVA
KNM-KP 29286C	<i>A. anamensis</i>	Mandibular molar	~0.014 mm	\$25		MPI-EVA
KNM-KP 29287E	<i>A. anamensis</i>	Mandibular premolar	~0.014 mm	\$25		MPI-EVA
KNM-KP 29287F	<i>A. anamensis</i>	Mandibular molar	~0.027 mm	\$25		MPI-EVA
KNM-KP30498C	<i>A. anamensis</i>	Maxillary premolar	~0.027 mm	\$25		MPI-EVA
KNM-KP 30498D	<i>A. anamensis</i>	Maxillary molar	~0.016 mm	\$25		MPI-EVA
KNM-KP 30498E	<i>A. anamensis</i>	Maxillary molar	~0.017 mm	\$25		MPI-EVA
KNM-KP 30498F	<i>A. anamensis</i>	Left maxilla	~0.027 mm	\$25		MPI-EVA
KNM-KP 30500B	<i>A. anamensis</i>	Mandibular molar	~0.016 mm	\$25		MPI-EVA
KNM-KP 30500D	<i>A. anamensis</i>	Mandibular molar	~0.014 mm	\$25		MPI-EVA

KNM-KP 30500E	<i>A. anamensis</i>	Mandibular molar	~0.016 mm	\$25		MPI-EVA
KNM-KP 30500F	<i>A. anamensis</i>	Mandibular premolar	~0.027 mm	\$25		MPI-EVA
KNM-KP 30500G	<i>A. anamensis</i>	Mandibular premolar	~0.027 mm	\$25		MPI-EVA
KNM-KP 30502D	<i>A. anamensis</i>	Mandibular molar	~0.014 mm	\$25		MPI-EVA
KNM-KP 30502E	<i>A. anamensis</i>	Mandibular molar	~0.014 mm	\$25		MPI-EVA
KNM-KP 31712J	<i>A. anamensis</i>	Mandibular molar	~0.014 mm	\$25		MPI-EVA
KNM-KP 31712K	<i>A. anamensis</i>	Mandibular molar	~0.014 mm	\$25		MPI-EVA
KNM-KP 31717A	<i>A. anamensis</i>	Maxillary molar	~0.027 mm	\$25		MPI-EVA
KNM-KP31717B	<i>A. anamensis</i>	Mandibular molar	~0.027 mm	\$25		MPI-EVA
KNM-KP 31723	<i>A. anamensis</i>	Maxillary molar	~0.018 mm	\$25		MPI-EVA
KNM-KP 31728	<i>A. anamensis</i>	Mandibular molar	~0.027 mm	\$25		MPI-EVA
KNM-KP 34725G	<i>A. anamensis</i>	Maxillary molar	~0.027 mm	\$25		MPI-EVA
KNM-KP 34725H	<i>A. anamensis</i>	Mandibular incisor	~0.027 mm	\$25		MPI-EVA
KNM-KP 34725R	<i>A. anamensis</i>	Mandibular molar	~0.027 mm	\$25		MPI-EVA
KNM-KP 34725S	<i>A. anamensis</i>	Mandibular molar	~0.027 mm	\$25		MPI-EVA
KNM-KP 34725T	<i>A. anamensis</i>	Mandibular molar	~0.027 mm	\$25		MPI-EVA
KNM-KP 35842	<i>A. anamensis</i>	Maxillary molar	~0.018 mm	\$25		MPI-EVA
KNM-MB						
KNM-MB 29100	<i>V. macinnesi</i>	Cranium	~0.044 mm	\$200		MPI-EVA
KNM-RU						
KNM-RU 7290	<i>E. heseloni</i>	Mandible overview	~0.073 mm	\$150		MPI-EVA
KNM-RU 7290	<i>E. heseloni</i>	Mandible high resolution	~0.030 mm	\$100		MPI-EVA
KNM-RU 7290	<i>E. heseloni</i>	Cranium	~0.082 mm	\$200		MPI-EVA
KNM-RU 7290	<i>E. heseloni</i>	Maxilla	~0.030 mm	\$100		MPI-EVA
KNM-SH						
KNM-SH 8531	<i>S. kiptalami</i>	Maxilla	~0.030 mm	\$125		MPI-EVA
KNM-SO						
KNM-SO 700	<i>R. gordonii</i>	Maxilla	~0.030 mm	\$200		MPI-EVA
KNM-TH						
KNM-TH 28860	<i>E. africanus</i>	Mandible LLC-LLM3	~0.030 mm	\$125		MPI-EVA
KNM-TH 28860	<i>E. africanus</i>	Mandible LL11-LR12	~0.030 mm	\$75		MPI-EVA
KNM-TH 28860	<i>E. africanus</i>	Mandible LRP3-LRM1	~0.030 mm	\$100		MPI-EVA
KNM-WK						
KNM-WK 16956	<i>S. enjessi</i>	Mandible	~0.016 mm	\$125		MPI-EVA
KNM-WK 16960B	<i>S. enjessi</i>	Maxilla	~0.015 mm	\$50		MPI-EVA
KNM-WK 18117	<i>A. turkanensis</i>	Right proximal femur	~0.013 mm	\$50		MPI-EVA
KNM-WT						
KNM-WT 8556	Hominin	Mandible	~0.033 mm	\$150		MPI-EVA
KNM-WT 15000A	<i>H. erectus</i>	Cranium	~0.088 mm	\$250		MPI-EVA
KNM-WT 15000A	<i>H. erectus</i>	Maxilla	~0.088 mm	\$150		MPI-EVA
KNM-WT 15000A	<i>H. erectus</i>	Nasal	~0.031 mm	\$5		MPI-EVA
KNM-WT 15000AW	<i>H. erectus</i>	Right os coxae fragment	~0.058 mm	\$5		MPI-EVA
KNM-WT 15000AX	<i>H. erectus</i>	Left os coxae fragment	~0.058 mm	\$5		MPI-EVA
KNM-WT 15000B	<i>H. erectus</i>	Mandible overview	~0.068 mm	\$200		MPI-EVA
KNM-WT 15000B	<i>H. erectus</i>	Mandible high resolution	~0.031 mm	\$150		MPI-EVA
KNM-WT 15000BF	<i>H. erectus</i>	Left os coxae fragment	~0.058 mm	\$5		MPI-EVA
KNM-WT 15000BG	<i>H. erectus</i>	Left os coxae fragment	~0.058 mm	\$5		MPI-EVA



KNM-WT 15000BV	<i>H. erectus</i>	Left first metacarpal	~0.027 mm	\$20		MPI-EVA
KNM-WT 15000BU	<i>H. erectus</i>	Right first metacarpal	~0.027 mm	\$20		MPI-EVA
KNM-WT 15000F	<i>H. erectus</i>	Right humerus	~0.091 mm	\$125		MPI-EVA
KNM-WT 15000F	<i>H. erectus</i>	Right proximal humerus	~0.030 mm	\$50		MPI-EVA
KNM-WT 15000G	<i>H. erectus</i>	Right proximal femur	~0.040 mm	\$50		MPI-EVA
KNM-WT 15000G	<i>H. erectus</i>	Right femur	~0.091 mm	\$125		MPI-EVA
KNM-WT 15000H	<i>H. erectus</i>	Left femur	~0.091 mm	\$150		MPI-EVA
KNM-WT 15000H	<i>H. erectus</i>	Left proximal femur	~0.046 mm	\$50		MPI-EVA
KNM-WT 15000M	<i>H. erectus</i>	Right distal femur	~0.091 mm	\$50		MPI-EVA
KNM-WT 15000N	<i>H. erectus</i>	Left os coxae	~0.049 mm	\$75		MPI-EVA
KNM-WT 15000O	<i>H. erectus</i>	Right os coxae	~0.049 mm	\$75		MPI-EVA
KNM-WT 15000P	<i>H. erectus</i>	Right os coxae fragment	~0.058 mm	\$25		MPI-EVA
KNM-WT 15000Q	<i>H. erectus</i>	Left os coxae fragment	~0.058 mm	\$25		MPI-EVA
KNM-WT 16002	Hominin	Right femur	~0.091 mm	\$150		MPI-EVA
KNM-WT 16002	Hominin	Right proximal femur	~0.031 mm	\$100		MPI-EVA
KNM-WT 16005	<i>P. aethiopicus</i>	Mandible	~0.053 mm	\$150		MPI-EVA
KNM-WT 17000	<i>P. aethiopicus</i>	Cranium	~0.091 mm	\$200		MPI-EVA
KNM-WT 17400	<i>P. boisei</i>	Cranium	~0.069 mm	\$200		MPI-EVA
KNM-WT 17400	<i>P. boisei</i>	Maxilla	~0.034 mm	\$150		MPI-EVA
KNM-WT 38343	<i>K. platyops</i>	Mandible fragment	~0.091 mm	\$25		MPI-EVA
KNM-WT 38343	<i>K. platyops</i>	Maxilla fragment	~0.069 mm	\$25		MPI-EVA
KNM-WT 40000	<i>K. platyops</i>	Cranium	~0.091 mm	\$200		MPI-EVA
KNM-WT 40000	<i>K. platyops</i>	Maxilla	~0.069 mm	\$100		MPI-EVA