Digital Data User Agreement Form

An Agreement is made and effective from this date (DD.MM.YYYY) in order to define the terms of use of any and all digital data associated with specimens curated in the Plio-Pleistocene Palaeontology Section of the Ditsong National Museum of Natural History: a national heritage institution organised under the legislative mandate in terms of the Cultural Institutions Act, existing under the laws of South Africa.

The Agreement is concluded between **the Assignor**:

The Plio-Pleistocene Palaeontology Section, Department of Vertebrates
Ditsong National Museum of Natural History (DNMNH),

432 Paul Kruger Street, Pretoria, South Africa

Telephone number 012 0000 040

The Assignor, as holder of the digital data, herby grants permission to the Assignee, 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: | Click or tap here to enter text.  |
| Address of Affiliated Institution: | Click or tap here to enter text. |
| Email: | Click or tap here to enter text. |

**Please additionally list any co-researchers associated with this request at** *Appendix I***.**

## Research Project Title:

|  |
| --- |
| Click or tap here to enter text. |

**Research Project Description**:

|  |
| --- |
| Click or tap here to enter text. |

**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.

1. This agreement exclusively pertains to CT scans requested in this agreement (see table below).
2. The copyright and ownership of the CT scans belong to the DNMNH 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.

1. 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.

1. The use of the digital data for additional projects NOT listed on this Agreement requires written

permission from the DNMNH. If the licensee is unsure whether a new project falls within the scope of the original proposed project (described above) they must contact the DNMNH for guidance.

1. The DNMNH 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 DNMNH.
2. Any publication of the CT scans and/or study of the CT scans will acknowledge "the Ditsong National Museum of Natural History, South Africa and the Max Planck Institute for Evolutionary Anthropology, Germany." A copy in print or PDF format will be forwarded to the DNMNH.
3. The DNMNH 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

DNMNH.

1. 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 use in the described research project.
2. Upon acceptance of the proposed project, the DNMNH will organize for the CT scans to be transferred to the licensee.

**Citation:**

Any publications that result from digital data derived through the MPI-EVA/Ditsong microtomographic archive, requires citation of the following:

Skinner MM, Imbrasas MD, Martin RMG, Tawane M, Hublin JJ, Pickering TY, de Ruiter DJ (2024) Microtomographic Archive of Hominin Fossils from the Swartkrans Formation, South Africa (1948–1967), PaleoAnthropology, 202x:x: xxx−xxx.

**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: DD.MM.YYYY Name: Click or tap here to enter text.

## Appendix I

Please additionally list any co-researchers associated with this request.

|  |  |  |
| --- | --- | --- |
| Full name | Address of Affiliated Institution | Email |
| Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. |
| Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. |
| Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. |
| Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. |
| Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. |

**List of available tomographic scans**

Please place an ‘X’ in the requested column for those CT scans you would like to request.

|  |  |  |  |
| --- | --- | --- | --- |
| Accession | Anatomy | Resolution | Request |
| SK 1 | LLM2  | ~0.017 mm |[ ]
| SK 2 | URI1  | ~0.014 mm | [ ]  |
| SK 3 | URI1  | ~0.014 mm | [ ]  |
| SK 4 | URC  | ~0.017 mm | [ ]  |
| SK 5 | LLM2  | ~0.014 mm | [ ]  |
| SK 6 | LRM2  | ~0.014 mm | [ ]  |
| SK 6 | LRM3  | ~0.014 mm | [ ]  |
| SK 6 | partial right hemimandible dentition | ~0.014 mm | [ ]  |
| SK 6 | partial right hemimandible | ~0.03 mm | [ ]  |
| SK 6 | partial mandible  | ~0.03 mm | [ ]  |
| SK 7 | LRP4  | ~0.014 mm | [ ]  |
| SK 9 | LLP4  | ~0.014 mm | [ ]  |
| SK 11 | maxilla  | ~0.055 mm | [ ]  |
| SKW 11 | temporal  | ~0.064 mm | [ ]  |
| SKW 11 | maxilla fragment 1 | ~0.064 mm | [ ]  |
| SKW 11 | maxilla fragment 2 | ~0.064 mm | [ ]  |
| SK 12a | maxilla  | ~0.091 mm | [ ]  |
| SK 12b | mandible  | ~0.091 mm | [ ]  |
| SK 13+SK 14 | maxilla  | ~0.03 mm | [ ]  |
| SK 15 | mandible  | ~0.091 mm | [ ]  |
| SK 15 | mandible dentition  | ~0.03 mm | [ ]  |
| SK 16+SK 1591 | partial left maxilla | ~0.016 mm | [ ]  |
| SK 17 | URM1  | ~0.014 mm | [ ]  |
| SK 18a | LLP3  | ~0.014 mm | [ ]  |
| SK 18b | left radius  | ~0.017 mm | [ ]  |
| SKW 18 | partial cranium  | ~0.068 mm | [ ]  |
| SKW 18 | right petrous  | ~0.036 mm | [ ]  |
| SKW 18 | right incus  | ~0.007 mm | [ ]  |
| SKW 18 | right malleus  | ~0.007 mm | [ ]  |
| SKW 18 | right stapes  | ~0.007 mm | [ ]  |
| SKW 18 | right temporal  | ~0.091 mm | [ ]  |
| SK 19 | LRM2  | ~0.017 mm | [ ]  |
| SK 20 | LLM1  | ~0.017 mm | [ ]  |
| SK 21 | left maxilla  | ~0.091 mm | [ ]  |
| SK 21a | ULM3  | ~0.091 mm | [ ]  |
| SK 22 | LRM3  | ~0.014 mm | [ ]  |
| SK 23 | mandible  | ~0.091 mm | [ ]  |
| SK 23 | mandible dentition  | ~0.03 mm | [ ]  |
| SK 24 | ULP3  | ~0.014 mm | [ ]  |
| SK 25 | mandible  | ~0.03 mm | [ ]  |
| SK 27 | cranium  | ~0.091 mm | [ ]  |
| SK 27 | temporals  | ~0.068 mm | [ ]  |
| SK 27 | ULP3  | ~0.014 mm | [ ]  |
| SK 27 | ULC  | ~0.014 mm | [ ]  |
| SK 27 | URM2  | ~0.014 mm | [ ]  |
| SK 28 | ULP4  | ~0.014 mm | [ ]  |
| SK 30 | LLP3  | ~0.017 mm | [ ]  |
| SK 31 | URM3  | ~0.014 mm | [ ]  |
| SK 32 | URP4  | ~0.014 mm | [ ]  |
| SK 33 | URP3  | ~0.014 mm | [ ]  |
| SKW 33 | URM1  | ~0.014 mm | [ ]  |
| SKW 33 | URM2  | ~0.014 mm | [ ]  |
| SK 34 | left hemimandible dentition  | ~0.03 mm | [ ]  |
| SK 34 | left hemimandible  | ~0.091 mm | [ ]  |
| SK 34 | right hemimandible  | ~0.091 mm | [ ]  |
| SK 34 | right hemimandible dentition  | ~0.036 mm | [ ]  |
| SK 36 | URM3  | ~0.014 mm | [ ]  |
| SK 37 | partial mandible  | ~0.014 mm | [ ]  |
| SK 39 | URP4  | ~0.014 mm | [ ]  |
| SK 40 | ULI1  | ~0.014 mm | [ ]  |
| SK 41 | ULM3  | ~0.014 mm | [ ]  |
| SK 42 | URM2  | ~0.014 mm | [ ]  |
| SK 43 | LRP4 fragments  | ~0.03 mm | [ ]  |
| SK 44 | URP3  | ~0.014 mm | [ ]  |
| SK 45 | partial mandible  | ~0.091 mm | [ ]  |
| SK 45 | partial mandible dentition  | ~0.03 mm | [ ]  |
| SK 46 | cranium  | ~0.091 mm | [ ]  |
| SK 46 | left temporal  | ~0.036 mm | [ ]  |
| SK 47 | cranium  | ~0.091 mm | [ ]  |
| SK 47 | maxilla  | ~0.03 mm | [ ]  |
| SK 47 | left temporal  | ~0.046 mm | [ ]  |
| SK 47 | right temporal  | ~0.046 mm | [ ]  |
| SK 48 | temporals  | ~0.055 mm | [ ]  |
| SK 48+SKW 7 | cranium  | ~0.091 mm | [ ]  |
| SK 48+SKW 7 | maxilla  | ~0.03 mm | [ ]  |
| SK 49 | cranium  | ~0.091 mm | [ ]  |
| SK 49 | maxilla  | ~0.036 mm | [ ]  |
| SK 49 | cranial fragment  | ~0.091 mm | [ ]  |
| SK 50 | right os coxae  | ~0.091 mm | [ ]  |
| SK 52 | partial cranium  | ~0.091 mm | [ ]  |
| SK 52 | maxilla  | ~0.03 mm | [ ]  |
| SK 54 | cranium  | ~0.091 mm | [ ]  |
| SK 54 | cranial fragment  | ~0.091 mm | [ ]  |
| SK 55a | maxilla  | ~0.032 mm | [ ]  |
| SK 55b | mandible  | ~0.03 mm | [ ]  |
| SK 57 | maxilla  | ~0.091 mm | [ ]  |
| SK 61 | mandible  | ~0.026 mm | [ ]  |
| SK 62 | mandible  | ~0.03 mm | [ ]  |
| SK 63 | hemimandible right  | ~0.091 mm | [ ]  |
| SK 63 | hemimandible left  | ~0.091 mm | [ ]  |
| SK 63 | hemimandible left dentition  | ~0.03 mm | [ ]  |
| SK 63 | hemimandible right dentition  | ~0.03 mm | [ ]  |
| SK 64 | partial mandible  | ~0.026 mm | [ ]  |
| SK 65 | left maxilla  | ~0.03 mm | [ ]  |
| SK 65a | URC  | ~0.014 mm | [ ]  |
| SK 66 | right maxilla  | ~0.017 mm | [ ]  |
| SK 67 | URI1  | ~0.014 mm | [ ]  |
| SK 68 | ULI1  | ~0.014 mm | [ ]  |
| SK 72 | LLP3  | ~0.017 mm | [ ]  |
| SK 73 | URI1  | ~0.014 mm | [ ]  |
| SK 74a | mandible  | ~0.046 mm | [ ]  |
| SK 74b | LRI1  | ~0.014 mm | [ ]  |
| SK 74c | URP4  | ~0.014 mm | [ ]  |
| SK 75 | LRM3  | ~0.014 mm | [ ]  |
| SK 79 | cranium  | ~0.091 mm | [ ]  |
| SK 80 | tooth fragment  | ~0.091 mm | [ ]  |
| SK 80+SK 847 | cranium  | ~0.091 mm | [ ]  |
| SK 81 | mandible  | ~0.091 mm | [ ]  |
| SK 82 | right femur proximal  | ~0.03 mm | [ ]  |
| SK 82 | right femur  | ~0.091 mm | [ ]  |
| SK 83 | cranium  | ~0.091 mm | [ ]  |
| SK 83 | temporals  | ~0.064 mm | [ ]  |
| SK 84 | left first metacarpal  | ~0.013 mm | [ ]  |
| SK 85 | left fourth metacarpal  | ~0.013 mm | [ ]  |
| SK 85a | URC  | ~0.014 mm | [ ]  |
| SK 87 | LRC  | ~0.014 mm | [ ]  |
| SK 88 | LLP4  | ~0.014 mm | [ ]  |
| SK 89a | ULM1  | ~0.014 mm | [ ]  |
| SK 90 | ULDM2  | ~0.014 mm | [ ]  |
| SK 91 | URDM1  | ~0.014 mm | [ ]  |
| SK 93 | ULC  | ~0.014 mm | [ ]  |
| SK 96 | mandible fragment  | ~0.014 mm | [ ]  |
| SK 96 | LLC  | ~0.014 mm | [ ]  |
| SK 96 | LLDM1  | ~0.014 mm | [ ]  |
| SK 96 | LLP3  | ~0.014 mm | [ ]  |
| SK 97 | right femur proximal  | ~0.03 mm | [ ]  |
| SK 97 | right femur  | ~0.091 mm | [ ]  |
| SK 98 | ULM2  | ~0.014 mm | [ ]  |
| SK 99 | ULP4  | ~0.014 mm | [ ]  |
| SK 100 | LRP3  | ~0.014 mm | [ ]  |
| SK 101 | ULP3  | ~0.014 mm | [ ]  |
| SK 102 | ULM1  | ~0.015 mm | [ ]  |
| SK 104 | LRM1  | ~0.016 mm | [ ]  |
| SK 105 | ULM3  | ~0.014 mm | [ ]  |
| SK 438 | partial mandible  | ~0.017 mm | [ ]  |
| SK 821 | ULP3  | ~0.014 mm | [ ]  |
| SK 822 | ULP3  | ~0.014 mm | [ ]  |
| SK 823 | URP3  | ~0.014 mm | [ ]  |
| SK 824 | ULP4  | ~0.014 mm | [ ]  |
| SK 825 | ULP4  | ~0.014 mm | [ ]  |
| SK 826a2 | ULM2  | ~0.014 mm | [ ]  |
| SK 826b+SK 828 | partial left hemimandible  | ~0.017 mm | [ ]  |
| SK 827 | LLP4  | ~0.017 mm | [ ]  |
| SK 829 | ULM1  | ~0.014 mm | [ ]  |
| SK 830 | LLP4  | ~0.014 mm | [ ]  |
| SK 831 | LRP3  | ~0.014 mm | [ ]  |
| SK 831a | partial left maxilla  | ~0.017 mm | [ ]  |
| SK 832 | ULM1  | ~0.014 mm | [ ]  |
| SK 833 | ULM1  | ~0.016 mm | [ ]  |
| SK 834 | URM2  | ~0.014 mm | [ ]  |
| SK 835 | ULM3  | ~0.014 mm | [ ]  |
| SK 836 | ULM3  | ~0.014 mm | [ ]  |
| SK 837 | URM2  | ~0.016 mm | [ ]  |
| SK 838a | partial right maxilla  | ~0.017 mm | [ ]  |
| SK 838b | LLM1  | ~0.016 mm | [ ]  |
| SK 839 | partial maxilla  | ~0.014 mm | [ ]  |
| SK 839 | ULI1  | ~0.014 mm | [ ]  |
| SK 839 | ULI2  | ~0.014 mm | [ ]  |
| SK 839 | ULM1  | ~0.014 mm | [ ]  |
| SK 839 | URDM1  | ~0.014 mm | [ ]  |
| SK 839 | URDM2  | ~0.014 mm | [ ]  |
| SK 839 | URI1  | ~0.014 mm | [ ]  |
| SK 839 | URI2  | ~0.014 mm | [ ]  |
| SK 839 | URM1  | ~0.014 mm | [ ]  |
| SK 841a | partial mandible  | ~0.014 mm | [ ]  |
| SK 841b | LLM3  | ~0.014 mm | [ ]  |
| SK 842 | LLDM2  | ~0.014 mm | [ ]  |
| SK 843 | partial mandible  | ~0.03 mm | [ ]  |
| SK 844 | partial mandible  | ~0.091 mm | [ ]  |
| SK 845+SK 14251 | partial maxilla  | ~0.091 mm | [ ]  |
| SK 846a | LRM1  | ~0.03 mm | [ ]  |
| SK 847 | left temporal  | ~0.036 mm | [ ]  |
| SK 847d | cranial fragment  | ~0.091 mm | [ ]  |
| SK 847e | cranial fragment  | ~0.091 mm | [ ]  |
| SK 847h | cranial fragment  | ~0.091 mm | [ ]  |
| SK 847j | cranial fragment  | ~0.091 mm | [ ]  |
| SK 847k | cranial fragment  | ~0.091 mm | [ ]  |
| SK 847l | cranial fragment  | ~0.091 mm | [ ]  |
| SK 847n | cranial fragment  | ~0.091 mm | [ ]  |
| SK 848 | right incus  | ~0.069 mm | [ ]  |
| SK 848 | right malleus  | ~0.069 mm | [ ]  |
| SK 848 | right stapes  | ~0.069 mm | [ ]  |
| SK 848 | right temporal  | ~0.017 mm | [ ]  |
| SK 849 | URM1  | ~0.016 mm | [ ]  |
| SK 851 | LRM3  | ~0.014 mm | [ ]  |
| SK 852 | partial left hemimandible  | ~0.017 mm | [ ]  |
| SK 852 | mandible fragment  | ~0.014 mm | [ ]  |
| SK 852 | LLI1  | ~0.014 mm | [ ]  |
| SK 852 | LLI2  | ~0.014 mm | [ ]  |
| SK 852 | LRDC  | ~0.014 mm | [ ]  |
| SK 852 | LLC  | ~0.014 mm | [ ]  |
| SK 852 | partial right hemimandible  | ~0.014 mm | [ ]  |
| SK 854 | axis  | ~0.091 mm | [ ]  |
| SK 855 | LRM3  | ~0.014 mm | [ ]  |
| SK 856 | URM1  | ~0.014 mm | [ ]  |
| SK 856 | URP4  | ~0.014 mm | [ ]  |
| SK 857 | LRP3  | ~0.014 mm | [ ]  |
| SK 858+SK 861+SK 883 | mandible  | ~0.091 mm | [ ]  |
| SK 859 | basicranium  | ~0.091 mm | [ ]  |
| SK 859 | vertebral fragment  | ~0.091 mm | [ ]  |
| SK 859 | cranial fragment 1  | ~0.091 mm | [ ]  |
| SK 859 | cranial fragment 2  | ~0.091 mm | [ ]  |
| SK 859 | cranial fragment 3  | ~0.091 mm | [ ]  |
| SK 860 | right humerus  | ~0.091 mm | [ ]  |
| SK 867 | ULP3  | ~0.014 mm | [ ]  |
| SK 869 | partial mandible  | ~0.014 mm | [ ]  |
| SK 870 | ULM3  | ~0.017 mm | [ ]  |
| SK 870 | ULM3 root fragment 1 | ~0.017 mm | [ ]  |
| SK 870 | ULM3 root fragment 2 | ~0.017 mm | [ ]  |
| SK 871 | LLM3  | ~0.014 mm | [ ]  |
| SK 872 | ULM1  | ~0.013 mm | [ ]  |
| SK 876 | mandible  | ~0.091 mm | [ ]  |
| SK 877+SKW 31 | right maxilla  | ~0.017 mm | [ ]  |
| SK 879 | left temporal  | ~0.014 mm | [ ]  |
| SK 879 | right temporal  | ~0.014 mm | [ ]  |
| SK 880 | LLM3  | ~0.014 mm | [ ]  |
| SK 881 | left maxilla  | ~0.03 mm | [ ]  |
| SK 882 | ULM  | ~0.014 mm | [ ]  |
| SK 885 | LLM3  | ~0.014 mm | [ ]  |
| SK 1512+SK 1592 | maxilla  | ~0.068 mm | [ ]  |
| SK 1585 | endocast  | ~0.091 mm | [ ]  |
| SK 1586 | mandible  | ~0.091 mm | [ ]  |
| SK 1587a | partial mandible  | ~0.026 mm | [ ]  |
| SK 1587b | LRM2  | ~0.026 mm | [ ]  |
| SK 1588 | partial mandible  | ~0.016 mm | [ ]  |
| SK 1589 | URP4  | ~0.03 mm | [ ]  |
| SK 1590a | partial right maxilla | ~0.016 mm | [ ]  |
| SK 1590b | partial right maxilla | ~0.014 mm | [ ]  |
| SK 1590c | partial mandible | ~0.091 mm | [ ]  |
| SK 1590d | femoral head | ~0.091 mm | [ ]  |
| SK 1590e | os coxae fragment | ~0.091 mm | [ ]  |
| SK 1590e | bone fragment 1 | ~0.091 mm | [ ]  |
| SK 1590e | bone fragment 2  | ~0.091 mm | [ ]  |
| SK 1590e | bone fragment 3  | ~0.091 mm | [ ]  |
| SK 1590e | bone fragment 4  | ~0.091 mm | [ ]  |
| SK 1590e | bone fragment 5  | ~0.091 mm | [ ]  |
| SK 1590e | bone fragment 6  | ~0.091 mm | [ ]  |
| SK 1590e | bone fragment 7  | ~0.091 mm | [ ]  |
| SK 1590e | bone fragment 8  | ~0.091 mm | [ ]  |
| SK 1590e | bone fragment 9  | ~0.091 mm | [ ]  |
| SK 1590f | os coxae fragment  | ~0.091 mm | [ ]  |
| SK 1593 | LRP3  | ~0.017 mm | [ ]  |
| SK 1813 | first right metatarsal | ~0.014 mm | [ ]  |
| SK 1896 | right femur  | ~0.055 mm | [ ]  |
| SK 3121 | right femur  | ~0.03 mm | [ ]  |
| SK 3155b | right os coxae | ~0.091 mm | [ ]  |
| SK 3974 | LRM1  | ~0.014 mm | [ ]  |
| SK 3975 | ULM3  | ~0.013 mm | [ ]  |
| SK 3976 | LLM2  | ~0.014 mm | [ ]  |
| SK 3977 | URM3  | ~0.014 mm | [ ]  |
| SK 3978 | mandible  | ~0.026 mm | [ ]  |
| SK 3981a | T12 vertebra  | ~0.091 mm | [ ]  |
| SK 3981b | L5 vertebra  | ~0.091 mm | [ ]  |
| SK 14001 | ULP3  | ~0.014 mm | [ ]  |
| SK 14024 | femoral head  | ~0.091 mm | [ ]  |
| SK 14133 | left maxilla  | ~0.017 mm | [ ]  |
| SK 24600 | left humerus | ~0.055 mm | [ ]  |
| SK 24601 | left radius  | ~0.014 mm | [ ]  |