**Export/sampling permits**

Please note an export permit must be linked to an objectthat has to be created on SAHRIS! If the object you want to work on has not been created yet, you would need to **create an ObjectID**.

Required documents:

* For export of material from KZN, Eastern Cape or Western Cape that involves destructive analysis, the **destructive sampling permit** from the respective Heritage Authority must be submitted;
* A consent letter from the accessioning institution.

The proposal should include (you can fill these in below):

* a list of participants (name, affiliation, phone no, email addresses) and how they are involved;
* the name and address of the facility, including address, it is being analysed at;
* name and address of the museum/university department that currently hosts the object;
* names of the responsible person(s) during transport and while the fossil is at the facility;
* the period/time frame during which the fossil(s) will be outside the country;
* detailed information on the fossil(s), especially as it is a "unique" specimen;
* detailed information on the research project behind it & methodology including expected outcomes (i.e., the reason for export);
* the written confirmation of the institution that currently hosts the object that the object may be used as proposed and be returned in good condition;
* should there be any damage/destructive analysis (e.g., coating for higher resolution) undertaken, this needs to be stated in detail;
* Statement why this study cannot be done in South Africa.

**Applicant (name and affiliation): this is usually the museum curator!**

Prof Roger Smith (emeritus research associate Iziko SA Museum)

**Applied for (principal researcher):**

Dr Pinhiero

**Participants with affiliations, email addresses, phone numbers (& their role):**

1) Dr Pinhiero

Role: Principal investigator

2) Dr Cisneros

Role: Collaborator and courier

3) Prof Roger Smith

Role: Collaborator

The material will be \_\_\_hand carried \_\_\_\_\_\_\_\_(**hand-carried** or couriered) to \_

 Universidade Federal do Pampa, Brazil (facility/institution) in October 2022 (month, year) by Dr Cisneros (name of person responsible for transport) and brought back by \_Dr Philip Pinhero\_\_\_\_\_\_\_\_\_\_\_\_ (leave blank if same person as above).

\_Dr Pinhero (name) will be involved with the \_scanning and study \_\_ (e.g., transport/scanning) of objects and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (whatever else).

**Institution incl. address that currently hosts the object:**

Iziko Museums of South Arica

25 Queen Victoria Street

Gardens

Cape Town

8000

South Africa

**Facility incl. address at which the experiment will be done:**

Universidade Federal do Pampa

Brazil

**Table of objects or upload file:**

**Site including age at which object was found:**

Eastern Cape

Bedford District

Clifton 21 (Farm)

**Time frame:**

Transport to Universidade Federal do Pampa, Brazil (facility): October 2022(date)

Return date: 30 November 2023(date)

**Aim/rationale:**

Description of a potentially new Katberg Formation procolophonid species (*Lystrosaurus declivis* AZ, Beaufort Group, Karoo Supergroup, South Africa)

**Methodology (short):**

A preliminary CT scan of the specimen has been done but it needs sharpening and rendering by an expert in procolophonid skull morphology. This can only be done if the actual specimen is in the hands of the expert at the time of segmenting the images.

The specimen will be examined under magnification, photographed and drawings made of the external and internal anatomy.

The observed morphological characters will then be compared to previous descriptions of closely related procolophonids to determine whether this is a new taxon. If so it will then be entered into the chrachter matrix to see where it stands in the phylogenetic tree.

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**Confirmation/permit by museum (**Attached?):

Uploaded

**Damage/destructive analysis? (if yes, explain in detail)**

No

**Statement why this study cannot be done in South Africa:**

Previous attempts were made to CT-scan SAM-PK-K11292. Those were, however, unsuccessful. A competent description of the new taxon would, thus, require a closer examination of the specimen, preferably with the aid of micro-CT analysis, procedures that can be the Universidade Federal do Pampa, justifying the request of a 1-year loan of SAM-PK-K11292