

Animal Use Protocol
Renewal and/or Amendment Form

1. Is this an amendment or renewal of the animal use protocol?
2. If this is a renewal, then please provide the year of renewal. (year 1 of 3, year 2 of 3, etc.).
3. Please indicate all categories of the protocol that apply (research, field studies, teaching protocol)
4. In layman's terms, please provide a basic summary of progress to date.
5. Please indicate if there will be any changes to the approved protocol, yes/no.
6. If yes, will there be major or minor changes (see definition below)? Describe the changes and provide justification.

Minor modification: administrative changes such as contact information and funding sources, change in title, typographical errors and other errors that do not change the protocol itself, small change in animal users (1 or 2 people), a change in number of animals required that is less than 10%, protocol already approved by a CCAC-certified institution.

Major modification: change in risk level of a procedure as measured by category of invasiveness or another measure of risk, the addition of a new procedure regardless of risk level, a change in number of animals required that is more than 10%, a change of species, an increase in the frequency of a procedure, an increase in the frequency of a procedures performed on each animal (within a certain time frame and overall), an increase in the duration of the study (extended end date), change in principal investigator, the introduction of a collaboration with a partner institution, a change in veterinarian in charge of procedures such as surgery, euthanasia, and other veterinarian responsibilities, a change in the site of field studies, a change in the site at which procedures are performed.

7. Were there any adverse events and/or safety issues encountered? If so, then please describe.
8. Did the number of animals actually used deviate from the number that was approved? If so, then please justify.
 - Please list species and number of each that were used in the last year.
9. Please state the number of animals you are requesting to use in the coming year.
 - Please provide justification for this number.
10. Describe any morbidity or mortality experienced. Please also indicate whether it was a target or non-target species.
 - Number of animals used, injured, or killed unintentionally (e.g., by-catch) in the last year:
 - Treatments given:

- Results of any postmortems performed on unplanned mortalities:
 - Precautions or recommendations to reduce such incidences in the future:
 - Details on the disposal of carcasses:
11. Describe recommendations that may improve the wellbeing of the animals and /or the outcome of the study (handling times, chase times, and vital signs):
 12. The CCAC recommends that the PI and team conduct Animal Welfare Assessments that will be reviewed annually by the ACC (CCAC Guidelines: Animal Welfare Assessment 2021). Please answer these questions pertaining to your animal welfare assessment plan (For further information please see the CCAC animal welfare assessment guidelines 2021).
 - Please provide a summary overview of the animal welfare assessment plan (or include an attachment to this renewal in Romeo if easier).
 - How is animal welfare being evaluated? What are the tools that are being used to evaluate both physiological, environmental AND behavioral indicators of welfare (eg. Drone or visual monitoring after handling, sheets on what are the behavioral indicators of stress for students or researchers to use etc.)
 - Who are the individuals performing the animal welfare assessments (ideally more than one individual)?
 - What aspects of the welfare assessment are working well?
 - Are there parts of the welfare assessment protocol that require adjustments or modifications?
 - If adjustments to the welfare assessment plan are required, please explain how this will be done
 13. Permits: If wild animals are to be used, provide the name of agency for all necessary permits and permit numbers. Please provide a copy of actual permit or renewal certificates.