



Reference	RA111836/1
Status	Authorised

Summary

Date Created	14/05/2025	Confidential?	No
Start Date	27/06/2025	End Date	27/06/2026

Assessment Title:

2024-UCL-049 AI-Powered Monitoring: Enhancing Biodiversity Conservation in Nepal (Birds)

Assessment Outline:

The student will participate in processing the Biome Health dataset collected in Bardia National Park, Nepal, using the BirdNET algorithm to analyze bird calls, primarily utilizing Python for implementation. They will be responsible for refining the algorithms' outputs and validating their accuracy by annotating selected recordings. The student will conduct in-depth analyses to explore differences in bird activity across various management zones within the park. Depending on the student's preference and expertise, subsequent analyses can be performed using either R or Python. The student will actively engage in regular meetings with project supervisors to discuss progress, exchange ideas, and seek guidance, thereby developing practical skills in data processing, algorithm evaluation, statistical analysis, and scientific communication.

Area Responsible (for management of risks)		Location of Risks	
Division, School, Faculty, Institute:	Faculty of Life Sciences	On/Off Site:	On-Site
Department:	Div of Biosciences	Building:	One Pool Street
Group/Unit:	Genetics, Evolution & Environment	Area:	Ground and Above
		Sub Area:	Office/Meeting Room

Further Location Information:

Filename	Category	File size	Date uploaded
Description of attachments			
Location-non-electronic-documents			

Assessor(s)	Approver(s)
Mills, Tom	Katherine JONES
	HAYLEY BOAKES

Authorised By	Date
Katherine JONES	09/06/2025 12:43
HAYLEY BOAKES	27/06/2025 10:25

none

Assessor Safety Competence
Team Leader



Reason For Review Type		Reason For Review
PEOPLE AT RISK (from the Activities covered by this Risk Assessment) *		
CATEGORY		ESTIMATED NO.
Post-Graduates		0

■ Summary of Activities, Hazards, Controls

1.	Desk-based Research
Repetitive action, General workplace equipment, Electricity, Hot surface/material, Manual lifting, handling or carrying, Static or poor body posture, Trip hazard, Fire	
<div>With Controls: Likelihood: ----- Severity: ----- A - Very Low / Trivial</div>	

1. Desk-based Research

Desk-based research and analysis.

List those managing this Activity and their competence:

Hazard 1. Repetitive action

Risk of personal injury or discomfort in back, arms, hands, neck or eyes from repetitive strain of desk-based laptop work, due to poorly designed workstation layout.

Existing Control Measures

Staff encouraged to take regular breaks and move regularly. Consider all methods to minimise the impact of repetitive strain, including standing desk, audio rather than video calls and sitting positions. Chair, desk and workstation setup should be designed to be in a position that allows a straight back and neck with the screen at eye level. If a staff member experiences problems, then carry out an assessment of the problem and rectify with reasonable adjustment.

Hazard 2. General workplace equipment

Faulty equipment may break down or cause minor injury, such as electric shocks, or falls of chairs.

Existing Control Measures

Ensuring equipment has been assessed, people are competent to use and used according to manufacturers' specifications.

Hazard 3. Electricity

Electric shock or burn

Existing Control Measures

No unauthorised alterations or repairs. Equipment is compatible with supply and has EC marking. Equipment is maintained and tested. Equipment checked regularly for damage/deterioration on wired, damaged equipment reported and taken out of service.

Hazard 4. Hot surface/material

Hot and boiling water from taps, kettles or food may cause burns if spilled.

Existing Control Measures

Care is taken when transporting hot food and drink between kitchen and office space.

Avoid carrying too many items which would increase risk of falls and injury.

Hazard 5. Manual lifting, handling or carrying

Musculo-skeletal injury from pushing pulling or lifting.

Existing Control Measures

Avoid risk of carrying heavy weights wherever possible. If risk of injury then full manual handling risk assessment is undertaken and staff attend manual handling training.

Portering service available and should be used where possible.

Heavy and awkward items are stored at appropriate height to ensure travel distance minimised and potential of a heavy object falling on the staff member while being moved is reduced.

Items bought in smaller unit size and/or broken into smaller units before handling.

Hazard 6. Static or poor body posture

Postural posture issues may give rise to discomfort of injury and can arise through a poor or inadequate work station setup.

Existing Control Measures

Staff to carry out risk assessment for new work station; ensuring the workstation and equipment design is suitable to the individual (i.e. ensuring good posture and avoidance of glare).

Work planned to enable regular breaks, lighting and temperature suitably controlled, noise levels controlled and adjustable blinds provided to control glare.

Hazard 7. Trip hazard

Staff may be injured if they trip or slip over items e.g. trailing cables, low steps etc.

Existing Control Measures

Ensure all trip hazards and slippery surfaces are removed or cleaned.

Manage trailing cables and tidy any loose ends, ensuring well organised office layout.

Areas are all cleared from obstruction.

Hazard 8. Fire

In the case of a fire, staff could become trapped or suffer smoke inhalation or burns.

Existing Control Measures

The building have adequate inspections and alarm systems in place as well as extinguishers.

Storage of combustible material is organised and reduced where possible.

Full building risk assessments are undertaken by the UCL safety services fire department.

Risk Level

With Existing Controls

Risk Level: A - Very Low / Trivial