

# **pamtorch: an ecosystem for analysis of passive acoustic monitoring data in R**

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## **UNDER CONSTRUCTION**

This is the updated repository. An update will be released in early September. The final version will be posted Sept 30.

## **Executive Summary**

The interconnected crises of biodiversity collapse, climate change, and systemic health decline are a major conservation challenge. Conservation technology like camera traps, drones, eDNA, and passive acoustic monitoring are critical tools for addressing this challenge as they help conservationists monitor the impacts of conservation interventions on biodiversity. The R programming environment is widely used by ecologists and conservationists.

Existing solutions in R include GibbonNetR Clink and Ahmad (2025)

## **Signatories**

### **Project team**

Dena Clink

### **Contributors**

Abdul Hamid Ahmad

## Consulted

NA



## **The Problem**

### **Problem**

### **Who it impacts**

### **Why it is a problem**

### **What will solving the problem enable**

### **Summary of existing work**

## **The proposal**

### **Overview**

### **Detail**

### **Minimum Viable Product**

### **Architecture**

### **Assumptions**

### **External dependencies**

## **Project plan**

### **Start-up phase**

### **Technical delivery**

### **Other aspects**

### **Budget & funding plan**

## **Success**

### **Definition of done**

### **Measuring success**

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### **Future work**

*Open Source Software* 10 (110): 7250.