Final Evaluation Report

Your Details	
Full Name	António Carlos Manhice
Project Title	How fires affect tadpoles in a Brazilian protected area?
Application ID	39052-1
Date of this Report	11/02/2025

1. Indicate the level of achievement of the project's original objectives and include any relevant comments on factors affecting this.

Objective	Not achieved	Partially achieved	Fully achieved	Comments
Assessing the impacts of fires on anurans species in Brazil - Chapada Diamantina National Park			X	We conducted the study in Chapada Diamantina National Park, assesing the
Dissemination the results to the local community			x	we carried out the dissemination of preliminary results at the community association Horto Comunidade, Vale Flora in Chapada Diamantina
Workshop in communities			x	we carried out the dissemination of preliminary results at the community association Horto Comunidade, Vale Flora in Chapada Diamantina
Monitoring the development of tadpoles to see how any asymmetry might affect them in adulthood.		X		We are monitoring the development of the tadpoles as far as our financial capacity allows.
Species proposed to study: *Bokermannohyla oxente and Scinax curicica.*		X		We studied *Bokermannohyla oxente* and *Scinax montivagus,* due the few individual of Scinax curicica.
Fire maps			X	Fire maps were produced for all study areas

2. Describe the three most important outcomes of your project.

a). We produce fire maps where you can see the places that burn the most each year.

b). Dissemination the results to the local community. This outcome show that tadpoles in recent burned areas are most affected by fires than the old areas.

c). We held a workshop in the local community where we explained the importance of amphibians in providing ecosystem services and emphasized preventive actions against fires.

3. Explain any unforeseen difficulties that arose during the project and how these were tackled.

Some sites were very difficult to access because they were located at high altitudes (around 1300 meters) and were very far from the villages. To achieve this, we had to increase the number of field days and the number of field guides to carry the backpacks with food.

4. Describe the involvement of local communities and how they have benefitted from the project.

We hired some community members to serve as field assistants. In addition, the guides we hired for field work are also community members. They were all paid for these services, in addition to having benefited from the knowledge transmitted during the talk with the community.

5. Are there any plans to continue this work?

Yes. We intend to monitor the development of these tadpoles to see how any asymmetry might affect them in adulthood.

6. How do you plan to share the results of your work with others?

The results are being shared on Radio Capão Astral of Chapada Diamantina to raise awareness among communities living around the Chapada about the impacts of fire on anurans, especially tadpoles (see the reel: https://www.instagram.com/share/reel/BAMz5ZPc6c).

We are alr beady sharing the results through talks in the communities (Horto Comunidade, Vale Flora).

7. Looking ahead, what do you feel are the important next steps?

(1) Monitor the development of tadpoles to assess how any asymmetry may affect them in adulthood.

(2) Increased awareness and environmental education to improve local understanding of the impact of fire on tadpoles/anurans and the importance this group plays in the environment.

8. Did you use The Rufford Foundation logo in any materials produced in relation to this project? Did the Foundation receive any publicity during the course of your work?

Yes, the logo was used on the t-shirts for the fieldwork. It was also used in the presentations during the classes and in the lectures, we mentioned Rufford as the funder of the research.

9. Provide a full list of all the members of your team and their role in the project.

(1) M.Sc. António Carlos Manhice – Principal investigator
(2) Prof. Dr. Mirco Solé Kienle, He provided assistance on study design, data collection.
(3) Prof. Dr. Iuri Ribeiro Dias – He supported assistance on study design, data collection.
(4) Profa. Dra. Amanda Gomes dos Anjos – She provided assistance on study design and producing fires recurrence map.
(5) José Flédis L. Gonçalves – Undergraduate student. He supported in data collection.
(6) Débora Lima Lima – Undergraduate student. She supported in data collection.
(7) Luigi Mendes Sampaio – Undergraduate student. He supported in data collection.
(8) Guilmerme Pereira Santos – Undergraduate student. He supported in data collection.

10. Any other comments?

Thank you to The Rufford Foundation for your excellent support and flexibility! You are enabling us to make a real difference in conservation. Thank you very much for the funding that enabled this research to be conducted in Chapada Diamantina National Park, Brazil.