

Project Update April 2026

Rufford I.D.: 45731-1

Project Title: Diagnosis of Ecological Niches Shared Between Livestock and Sub-Saharan Antelopes Reintroduced Into the Oroa Reserve, Chad

Update:

As part of capacity building for the Chadian partners involved in implementing my field research project, an introductory training course on the Google Earth Engine spatial analysis and visualization tool was organized with funding from the Rufford Foundation. This training aims to equip field staff to better communicate the results of ongoing conservation activities through the visualization and spatial monitoring of environmental factors and human interventions in the Ouadi-Rimé Ouadi-Achim Wildlife Reserve. This will help better guide decision-makers, conservationists, and the communities living near the reserve.

The training was a success. The learning objectives were met, including:

- *understanding the Google Earth Engine (GEE) environment.*
- *using JavaScript as a command language for spatial analysis.*
- *Manipulating and filtering multi-temporal satellite data.*
- *calculating vegetation indices adapted to arid environments (NDVI, MSAVI).*
- *producing reproducible spatial analyses and simple web mapping visualization tools.*