



## **Paid Studentische Hilfskraft (SHK/ B-WHK) Opportunities in Conservation: Iguanas from Above**

- **Dates and time:** 01.06.24-31.12.24 (6 months), 16 hrs per week (generally flexible)
- **Location:** Talstrasse 33 (Leipzig) and remote
- **Reporting to:** Dr. Amy MacLeod & Andrea Varela, within the research group of Dr. Prof. Sebastian Steinfartz

We are hiring two SHKs/ B-WHKs to support our ongoing project to complete the first ever complete census of the Galapagos marine iguana. This work will pave the way for effective conservation of this endangered iconic species. We are pioneering novel techniques involving drones, Citizen Science and Machine Learning, and require help with processing and analysing our datasets. This work will be computer-based, with options for remote working. We are seeking self-motivated, curious, and reliable BSc or MSc students and in return we provide an introduction to — and training in — several important new approaches within the field of Biodiversity Conservation.

### **Brief details on positions**

#### **Position 1: Aggregating and validating data from Zooniverse – tasks:**

- Processing and aggregating data from phase 4 of the Zooniverse project (Includes use of Python and R — basic training provided)
- Counting of iguanas within a gold standard dataset
- Assessing accuracy of inputs from Zooniverse against Gold Standard using basic statistics

#### **Position 2: Iguana counter and Project promoter – tasks:**

- Locating and counting Marine iguanas within images and videos
- Potentially generating training data for Machine Learning
- Counting of iguanas within a gold standard dataset
- Moderating Zooniverse message board
- Promoting project via social media (Twitter, Instagram, Facebook and Tiktok)

**Experience gained:** use of increasingly popular Citizen Science approach, applied Conservation methods in an iconic endangered species, high likelihood of co-authorship and involvement in the writing of Scientific publications, training and experience in Python, R and Statistical methods (position 1), direct and valuable experience in Scientific Communications (position 2). Payment and conditions are standard for Uni. Leipzig. For project details, see: [www.iguanasfromabove.com](http://www.iguanasfromabove.com)

To apply and for more details, please email: [iguanasfromabove@gmail.com](mailto:iguanasfromabove@gmail.com)

For applications — addressed to Dr. MacLeod — please include: a short CV/Lebenslauf (in English or German) and a statement regarding motivation/interest in project (in English, 1 page max)

**Application Deadline: 20.05.24**