



Job Title: Quantitative Ecologist – Acoustic Monitoring

Rainforest Connection and Arbimon form a dedicated global team that leverages technology to safeguard the world's invaluable ecosystems and biodiversity. Our mission revolves around employing acoustic monitoring devices that actively listen to soundscapes in remote ecosystems, employing AI and machine learning to convert these audio streams into a comprehensive and automated understanding of nature. As a team, we foster an open-minded and agile environment, utilizing a modern tech stack and embracing the flexibility of remote work hours. If you possess a deep passion for ecology and are captivated by the potential of acoustic monitoring to generate conservation insights, we eagerly await your application.

Job Summary: We are seeking a skilled and motivated Quantitative Ecologist with expertise and/or a strong interest in developing biodiversity metrics and ecosystem health indices. As a Quantitative Ecologist, you will play a crucial role in the assessment and monitoring of biodiversity and ecosystem health, utilizing advanced statistical and analytical techniques. Your work will contribute to understanding and conserving natural ecosystems and informing sustainable management practices. This position offers an exciting opportunity to apply your quantitative skills to address pressing environmental challenges and make a positive impact on the conservation of biodiversity.

Responsibilities:

- Develop and refine quantitative methodologies and models for assessing and monitoring biodiversity metrics and ecosystem health indices.
- Analyze, and interpret ecological data, including species abundance, species richness, species occupancy, habitat quality, and other relevant indicators.
- Collaborate with multidisciplinary teams to design and implement ecological surveys and monitoring programs, ensuring appropriate sampling techniques and data collection protocols.
- Conduct statistical analyses, including multivariate analysis, spatial analysis, and occupancy modeling, to identify patterns, trends, and relationships within ecological datasets.
- Communicate research findings, methodologies, and recommendations through technical reports, white papers and/or scientific publications, webinars, and conferences.
- Provide expertise and guidance on ecological data management, including data quality assurance, database design, and data visualization.
- Stay updated with current research and emerging trends in quantitative ecology, biodiversity assessment, and ecosystem health indices, and integrate new knowledge into research and analysis activities.
- Collaborate with external partners, stakeholders, and organizations to share data, exchange knowledge, and foster collaboration in the field of quantitative ecology.

**Qualifications:**

- Master's or Ph.D. degree in biology/ecology, environmental science, statistics, or related field.
- Proven experience in statistical modeling, data analysis, and ecological assessment.
- Proficiency in R, Python, or similar statistical software for data manipulation and visualization.
- Strong knowledge of ecological principles, biodiversity conservation, and ecosystem management.
- Experience in designing and implementing ecological surveys, including sampling techniques.
- Ability to conduct a wide range of statistical analyses, such as multivariate, occupancy models and spatial analysis.
- Excellent written and verbal communication skills for diverse audiences.
- Strong organizational and project management skills in a collaborative environment.

Preferred Qualifications:

- Experience with large ecological datasets, remote sensing, and acoustic data.
- Proficiency in developing biodiversity metrics and ecosystem health indices.
- Familiarity with hierarchical and Bayesian modeling.
- Proficiency in GIS software and spatial analysis.
- Understanding of conservation biology and metrics in decision-making.
- Track record of research publications, presentations, or successful grant proposals in acoustic monitoring.

Benefits

- **Meaningful Impact:** Contribute to automating global biodiversity monitoring and shape the industry.
- **Competitive Compensation:** Receive industry-competitive pay reflecting your skills and experience.
- **Autonomy and Trust:** Enjoy freedom, ownership, and respect for your expertise to make a real difference.
- **Dynamic and Diverse Team:** Collaborate with a talented, passionate, and diverse team.
- **Remote-First Culture:** Embrace remote work flexibility, advanced collaboration tools, and prioritize work-life balance.

Join us on this exciting journey and be part of shaping a new frontier in conservation. Together, we will create positive change, unlock nature's potential, and achieve remarkable outcomes.



Additional Benefits and Time Off: These benefits and time-off allowances support your well-being, allowing for rest, celebration, and self-care.

- Fridays: Enjoy half days on Fridays, unless work demands require additional hours (approx. 4 hours per week).
- PTO: 21 paid personal vacation days annually for relaxation and personal pursuits.
- Paid Holidays: 13 paid holidays, including three global holidays and 10 country-specific holidays.
- Sick Days: Unlimited sick days.

Apply

We are an inclusive remote-first team that values diversity and welcomes applicants from all backgrounds. We encourage individuals to apply, even if they have areas for development or don't meet all criteria. As an equal opportunity employer, we do not discriminate based on age, ethnicity, religion, sex, sexual orientation, gender identity, family status, national origin, veteran status, neurodiversity, disability, or any other protected characteristic. Our commitment is to create a supportive and inclusive environment where everyone can thrive and contribute their unique skills and perspectives. Join us in building a diverse team that reflects our customers and communities, where diversity, equality, and inclusion are core principles.

Please submit your resume, cover letter, and any relevant portfolio or research publications demonstrating your expertise in acoustic data analysis to contact@rfcx.org with the subject "Position: Quantitative Ecologist" and tell us a bit about yourself.