



FOR IMMEDIATE RELEASE

Revolutionary 3D Scanning System Developed by The Biodiversity Group and Sony Electronics Breaks New Ground in Taxonomic Research

California, November 8, 2023— In a groundbreaking collaboration between The Biodiversity Group (TBG) and Sony Electronics, a revolutionary 3D scanning system has been unveiled, ushering in a new era for taxonomic research. For the first time in 300 years, researchers can conduct taxonomic research without euthanizing animals. This innovative technology allows TBG to rediscover lost species, previously unseen for decades, by simply taking noninvasive DNA samples, scanning the individuals, and releasing them unharmed.

A Breakthrough in Biodiversity Conservation

Since the days of Carl Linnaeus, the scientific community has faced the ethical dilemma of sacrificing animal specimens for the sake of taxonomic research. With this cutting-edge 3D scanning system, that ethical challenge is now in the past. The portable system, which can be carried in a 25-liter backpack and operated by a single person even in the most remote settings, has the potential to reshape the field of biodiversity conservation.

A Digital Evolution of Taxonomy

The heart of this innovation lies in creating highly accurate 3D models that are deposited into an online database instead of relying on physical museum specimens. These digital models open new avenues for research, enabling scientists to explore species with volumetric morphometrics, precise color representation, and significantly reducing inter-observer error.





The BIODIVERSITY GROUP

Empowering Environmental Outreach and Education

The implications of this technology extend far beyond the research community. It provides numerous opportunities for environmental outreach and education, particularly for students and wildlife conservationists. Access to these digital specimens is democratized, as they are uploaded to a free online database, eliminating the limitations imposed by restricted university access.

Challenges and the Path Forward

While the potential of this system is immense, it currently faces technical limitations, making it a unique expertise that only Scott Trageser can operate. He aims to make this technology accessible to all researchers and conservationists by developing Version 2. To achieve this goal, TBG requires funding and technical expertise in 3D printing, AI agent development, mechanical engineering, and Android app development.

Get Involved in Revolutionizing Taxonomy

If you are involved in 3D printing, AI agent development, mechanical engineering, or Android app development and wish to be part of this groundbreaking effort, please contact us. Together, we can democratize access to specimens and data for researchers, teachers, students, and naturalists worldwide, ultimately driving forward the cause of biodiversity conservation.

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About The Biodiversity Group

The Biodiversity Group (TBG) is a pioneering organization dedicated to advancing biodiversity conservation through innovative technologies and ethical research practices.



The BIODIVERSITY GROUP

With a mission to protect and celebrate the world's most threatened species, TBG leads the charge in redefining the future of taxonomic research. <https://biodiversitygroup.org/>

About Sony Electronics

Sony Electronics is a leading manufacturer of audio, video, imaging, gaming, and information technology products for the consumer and professional markets. Sony is committed to sustainability and environmental responsibility, contributing innovatively to biodiversity conservation. <https://electronics.sony.com/>