

Opportunity name: NERC Tools for automating image analysis for biodiversity monitoring

Meeting Date: 22 November 2023

Application Reference	Project Title	Research Organisation	Outcome
9849	Conservation AI: a standard-defining end-to-end biodiversity monitoring solution for image sensor data	University of St Andrews	Unsuccessful
10432	eIMPALA: ecological IMAge Processing with Active Learning and AI	University of Glasgow	Unsuccessful
11743	Intelligent Edge Based Biodiversity Image Monitoring and Analysis	University of Aberdeen	Unsuccessful
12363	MarineIML: Accelerating Marine Biodiversity Assessments Through Interactive Machine Learning.	University of Glasgow	Unsuccessful
12773	The Wetland Status & Conservation Opportunity Evaluation (SCOPE) tool: An open-source, automated biodiversity monitoring interface for global wetlands	Zoological Society of London	Unsuccessful
12929	UAV-image based Animal Behaviour and Biodiversity Integration (UAV-ABBI)	Swansea University	Unsuccessful
13398	Wildlife Research Assistant Tool (WRAT)	Birmingham City University	Unsuccessful
14228	ESPPRESSO- an Easy Software Pipeline for Proximal REMotely SenSed plant Observations	UK Centre for Ecology & Hydrology	Unsuccessful
14783	Automated Deep learning from Aerial Photography Toolkit (ADAPT) for biodiversity monitoring	Cranfield University	Unsuccessful
14854	GreenScreen	James Hutton Institute	Unsuccessful
14914	Safi - Scalable AI workflows for insect monitoring	UK Centre for Ecology & Hydrology	Unsuccessful
15363	An Intelligent Image Analysis Platform For Biodiversity Monitoring And Conservation	Nottingham Trent University	Unsuccessful
15955	PhAInome: an AI Toolkit for High-throughput 3D Analysis and Content-based Data Retrieval for Biodiversity Phenomics	Natural History Museum	Unsuccessful
16146	AUTOBIOM: AUTomated scalable AI image analysis TOol for grassland BIOdiversity Monitoring	Manchester Metropolitan University	Unsuccessful

16262	A toolkit for plant diversity assessment through contrastive machine learning	University of Nottingham	Unsuccessful
16279	PAIDIVER - Pipelines for supporting AI for biodiversity monitoring from imagery	National Oceanography Centre	Successful
17077	Using artificial intelligence for automated habitat assessment (AI-Hab)	University of Lincoln	Successful
17360	Computer Vision Tools for Biodiversity Monitoring Applications.	University of East Anglia	Unsuccessful
17631	DEAL - DEcentrAlised Learning for automated image analysis and biodiversity monitoring	Plymouth Marine Laboratory	Successful
17715	Guided AI Applications for Environmental Biodiversity Monitoring	University of Exeter	Unsuccessful
17731	BIOPOLLIN: Biodiversity Monitoring of Pollinators Leveraging Image Analysis	Cranfield University	Unsuccessful
18041	BiodiversityAI: A flexible software platform for automated biodiversity monitoring using generative AI	University of Exeter	Unsuccessful
18071	MorphoCam: Adding depth to camera trap analyses	University of Oxford	Successful
18125	BiodiverCV: self-service machine learning pipelines for the natural environment	British Antarctic Survey	Unsuccessful
18370	Next generation imaging tools for marine conservation	Queen Mary University of London	Unsuccessful
18741	CoWAVE-AI: Coastal Wave Climate Prediction using Earth Observation and Multi-Modal-AI	Cardiff University	Unsuccessful
19034	FLORA-SAGE - Federated Learning Optimised for Remote Assessment of Species in Agricultural Grassland Ecosystems	University of the West of Scotland	Successful
19265	RadML: End-To-End Weather Radar Tools for Biodiversity Monitoring	University of Lincoln	Unsuccessful
19324	TreeSense	University of Stirling	Unsuccessful
19326	ICPR-OPDIS Integrated Continuous Plankton Recorder - Ocean Particle Diversity Imaging System	Marine Biological Association of the United Kingdom	Unsuccessful
19345	DETAIL: DNA Encoding for Training Automated Image Labelling	Lancaster University	Unsuccessful
19530	BioDiMe: Perception Pipeline for BioDiversity Measurements	University of Lincoln	Unsuccessful
19777	An Open Source AI Toolbox for Biodiversity Monitoring	University of Oxford	Unsuccessful
19957	BIOVISTA: Advanced Image Analysis for Land and Aquatic Biodiversity Monitoring	University of Surrey	Unsuccessful
20017	Event-Driven Pipelines for Monitoring Underwater Wildlife	Queen's University Belfast	Unsuccessful

20237	PollinationNet: An End-to-End Vision Platform for Large-Scale Automated Monitoring of Plant-Pollinator Networks in Natural Ecosystems	Northumbria University	Unsuccessful
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