Analysis of biodiversity in real time

BIODAIVERSE

Specialists in species monitoring systems

We provide technologies for **identification of individuals**, **fauna count** or **detection of invasive species** without interfering with the environment

We eliminate recurring costs related to **field campaigns** and subsequent **manual analysis**

We adapt the systems to the needs of our clients, adding knowledge based on **ecological models** to expedite decision-making

We aggregate data of interest in versatile and reconfigurable **graphic panels**

Technologies that adapt 100% to the client

We study the monitoring requirements and deploy suitable sensors

We incorporate artificial intelligence algorithms to extract information with high added value in the context of the target application

We provide reports and alerts in real time through a platform that integrates relevant data collected by the sensors

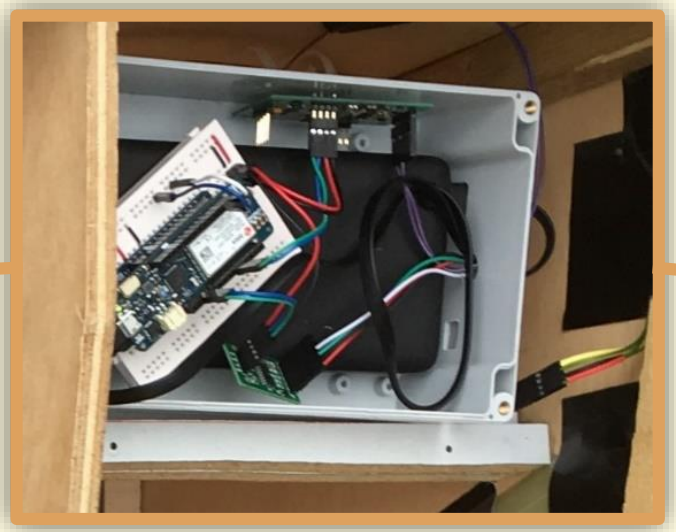
We unify different monitoring areas in a single tool

- ✓ Automatic global data collection and analysis
- ✓ Long-term analysis of conservation strategies in various habitats and ecosystems
- ✓ Fusion of information from different sensors
- ✓ Scalability: rapid incorporation of new monitoring locations

biodAIverse offers technologies that allow companies and institutions to **accredit and quantify** their **conservation** efforts, facilitating the qualification for **environmental certification seals**

Success stories: smart shelters

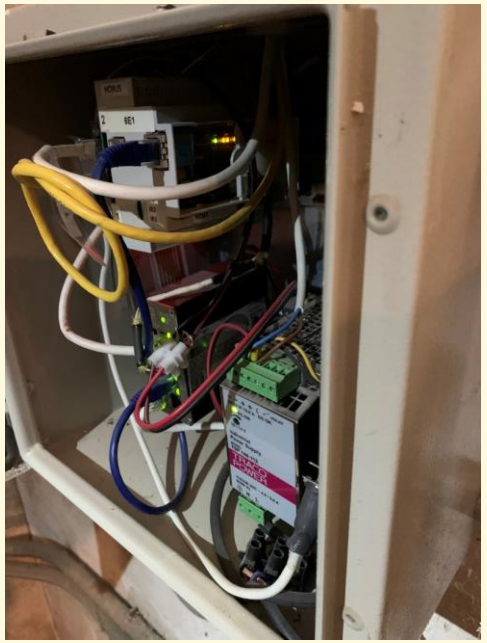
Highland Wildlife Park (Scotland, UK)



Weighing and identification of Scottish wildcats

Success stories: smart nest boxes

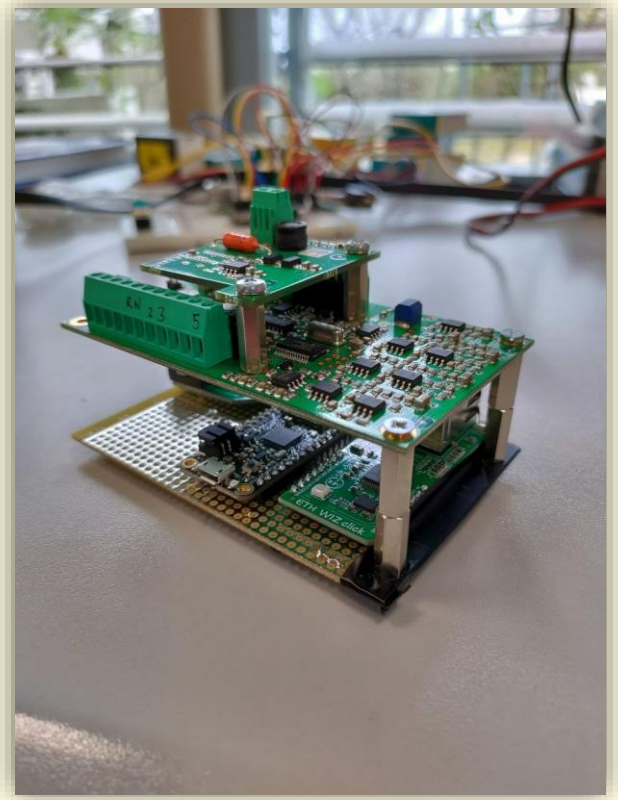
La Palma del Condado (Huelva, Spain)

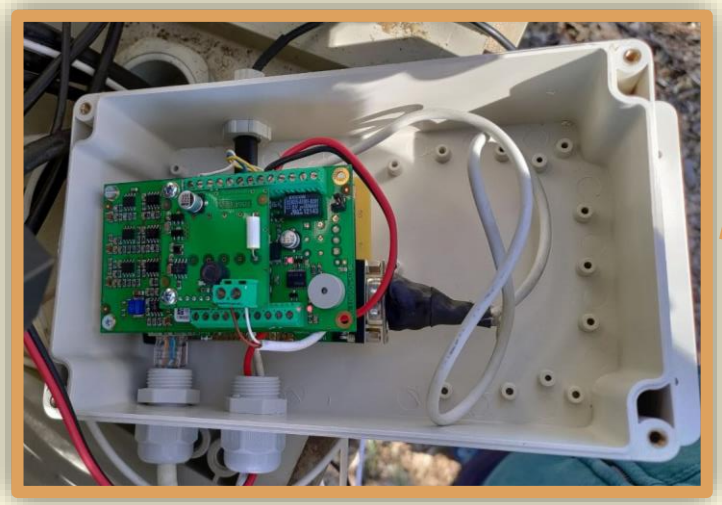


Weighing, identification and video recording of lesser kestrels

Success stories: smart shelters

Doñana Biological Reserve (Huelva, Spain)





Identification of bats

Success stories: automatic bat detection based on artificial vision

Doñana Biological Reserve (Huelva, Spain)

Times	
(0:02:11)	20/04/2018 19:02:10
(0:01:31)	20/04/2018 19:11:30
(0:03:51)	20/04/2018 19:23:50
(0:03:57)	20/04/2018 19:23:56
(0:00:27)	20/04/2018 19:30:26
(0:00:31)	20/04/2018 19:30:30
(0:00:47)	20/04/2018 19:30:46
(0:00:52)	20/04/2018 19:30:51
(0:02:00)	20/04/2018 20:16:59
(0:02:09)	20/04/2018 20:17:08
(0:02:23)	20/04/2018 20:17:22
(0:01:13)	20/04/2018 20:21:12
(0:01:32)	20/04/2018 20:21:31
(0:02:02)	20/04/2018 20:22:01
(0:02:13)	20/04/2018 20:22:12
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(0:00:06)	20/04/2018 20:50:06
(0:00:11)	20/04/2018 20:50:11
(0:00:19)	20/04/2018 20:50:19
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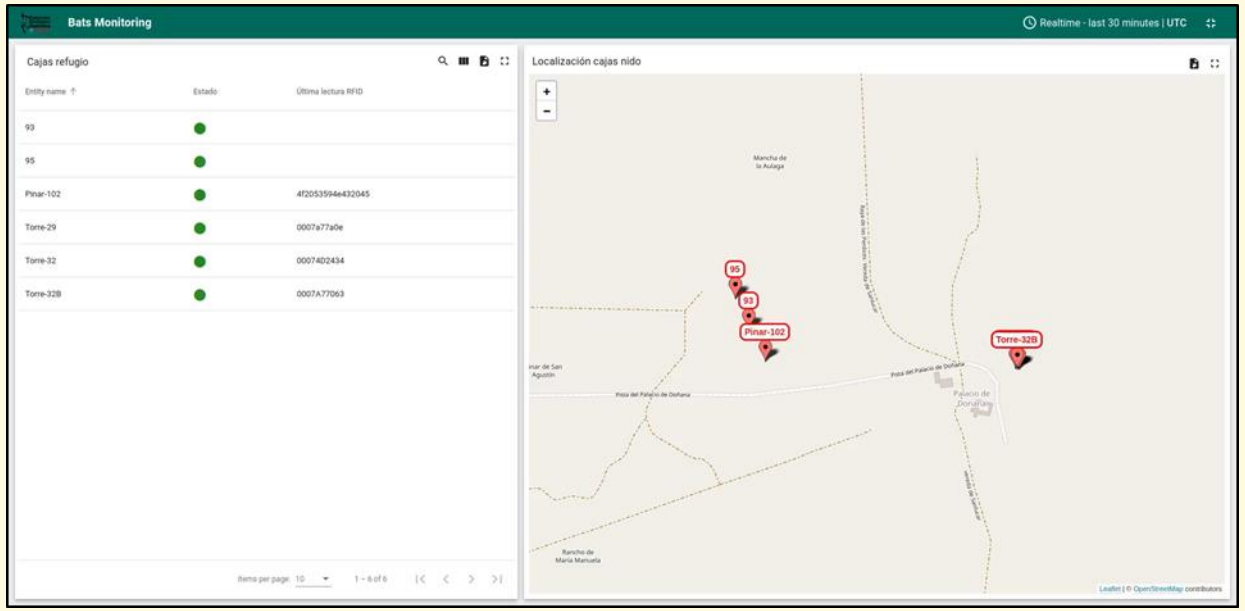
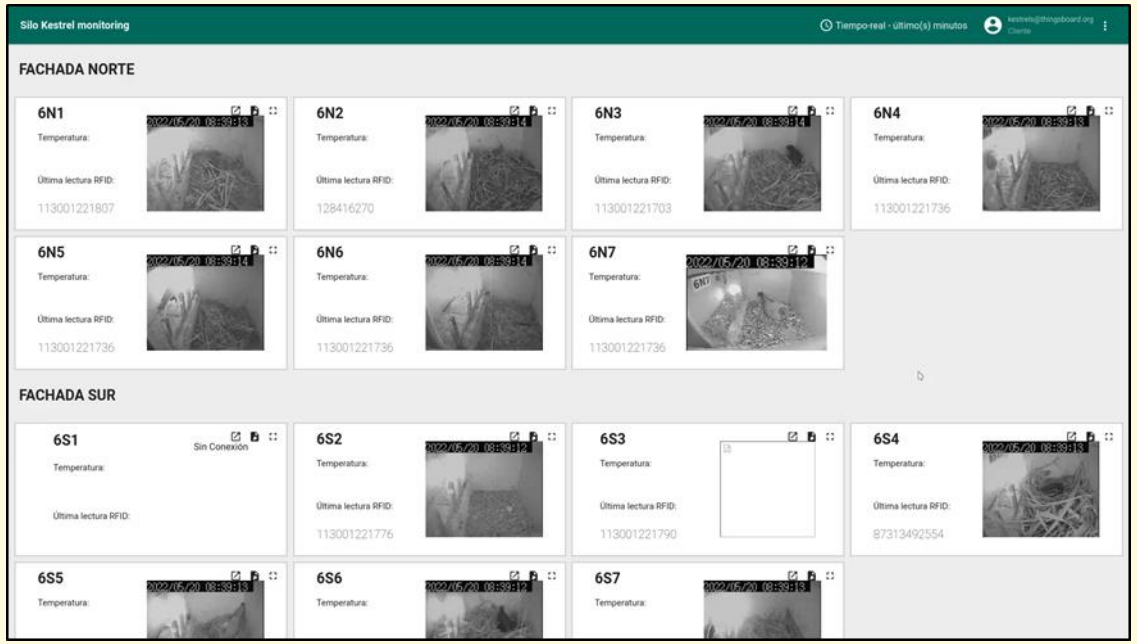
Real-time monitoring platform for user-defined ecological information and parameters





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Technologies for monitoring and managing biodiversity in real time

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