

FASTCAT-Edge

Why should you use it?

Build your own smart camera trap to record videos and pictures of wildlife activity and quickly identify the species names.

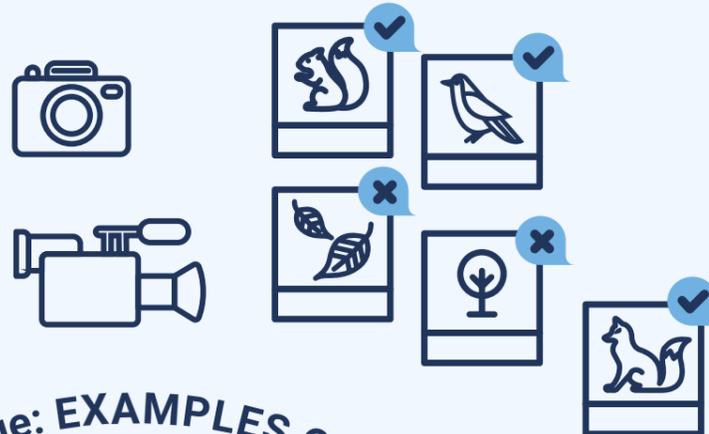
01 ASSEMBLE YOUR ARTIFICIAL INTELLIGENCE (AI) CAMERA TRAP

Use the FASTCAT-Edge code and guide to set up your camera trap. This do-it-yourself (DIY) device uses Raspberry Pi, a single-board computer capable of executing our unique capture software, giving you all the smart functionalities of FASTCAT on your device.



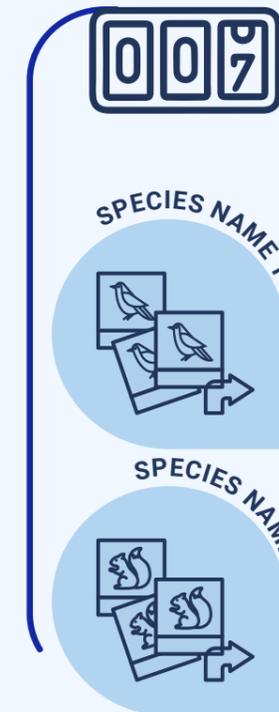
02 SAVE TIME: CAPTURE ONLY ANIMAL IMAGES OR VIDEOS

This camera trap automatically filters out unwanted pictures and videos, keeping images of animals. This saves you time as you don't have to delete empty recordings or photos.



03 EXPORT IMAGES AND VIDEOS TO YOUR COMPUTER

Connect the camera trap to your PC and transfer images and videos, which will be automatically filtered (no need for additional software).



04 INTEGRATE FASTCAT-EDGE WITH A CLOUD SERVICE

The software that runs FASTCAT-Edge integrates easily with the sibling service FASTCAT-Cloud, which allows you to identify the species in your observations through AI and upload your observations to citizen observatories such as iSpot and through interfaces such as SensorThingsAPI plus.

FASTCAT-Edge: EXAMPLES OF USE AND BENEFITS

If you are a wildlife biologist or a person interested in animal conservation, you will:

- **Save time** in selecting the images you need to estimate animal populations or study their behaviour.
- **Capture thousands of animal photos and videos**, including small or fast animals that are often missed with standard camera traps.
- **Share wildlife images** with citizen science projects and help other researchers.
- **Design your own observation project around this camera trap**: FASTCAT-Edge acts as a general-purpose computer.

06 SHARE YOUR OBSERVATIONS ON CITIZEN SCIENCE PLATFORMS

Eventually, this service will connect with biodiversity citizen observatories. So, a citizen scientist that uses a camera trap will be able to easily upload images to some platforms such as iSpot, Artportalen and Natusfera.



This project is part of:



Cos4Cloud coordination:



Service coordinator:

