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.

DynAIkon Trap

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.
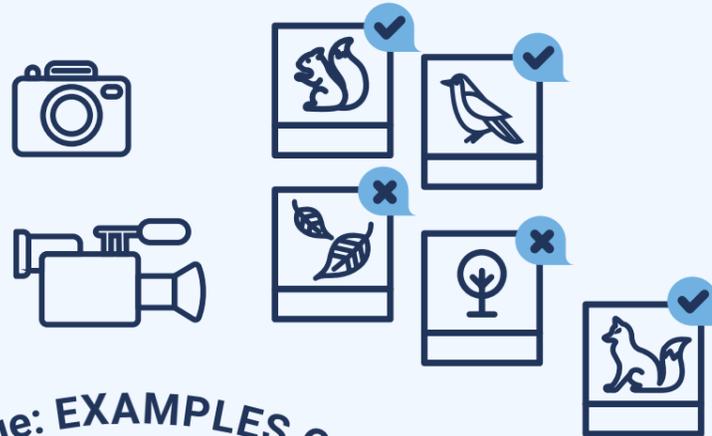
03
EXPORT IMAGES AND VIDEOS TO YOUR COMPUTER

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

04
RECEIVE INFORMATION ABOUT THE NUMBER OF SPECIES RECORDED

It will provide you with counts, i.e. how many different species have been sighted this week or how many times you have photographed a fox in last 30 days.

05
IDENTIFY SPECIES NAMES EASILY

FASTCAT-Edge uses bespoke AI to automatically identify species, which means that you will see the suggested species names when you export the images to your computer.

SPECIES NAME 1

SPECIES NAME 2

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.

iSpot
ispotnature.org

Natusfera

Pl@ntNet

ARTPORTALEN
Swedish Species Observation System