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| --- | --- | --- | --- | --- | --- |
| **Software** | **URL** | **Species** | **Training Required?** | **Re-identification?** | **Notes** |
| AIDE | https://github.com/microsoft/aerial\_wildlife\_detection | Any (Authors tested on seals, penguins, Serengeti) | Yes |  | Can label your own dataset using AIDE. Can train the software to recognise whatever you choose  Choice of label: Bounding boxes, labels (x/y coordinates), segmentation maps. |
| Automatic Minke Whale Recognizer | https://www.scirp.org/journal/paperinformation.aspx?paperid=84616 | Minke Whales | No | ✓ | Re-identification of individual Minke whales (76) in the wild. Specific to site. Trained on ~100 training frames per individual. |
| ClassifyMe | https://www.mdpi.com/2076-2615/10/1/58 | Australia, New Zealand, Serengeti, North America, South Western USA | No |  | 5 separate models for different geographical areas, which split images into an average of 9 categories. For example, Australia is split into cat; dog; fox; human; macropod; sheep; vehicle; other; NIL. |
| Count, Crop and Recognise | https://www.robots.ox.ac.uk/~vgg/research/ccr/ | Chimpanzees (Guinea Bossou) | No | ✓ | Re-identification of individual chimpanzees (13) in the wild. Specific to site. Trained on 24,000 frames. |
| Gorilla Re-identifyer | https://openaccess.thecvf.com/content\_ICCV\_2017\_workshops/papers/w41/Brust\_Towards\_Automated\_Visual\_ICCV\_2017\_paper.pdf | Gorillas | No | ✓ | Re-identification of individual gorillas () in the wild. Trained on 2500 frames |
| Red Panda Re-identificator | https://link.springer.com/chapter/10.1007/978-3-030-31723-2\_61#:~:text=Looking%20closely%20at%20the%20red,as%20round%20and%20black%20spots. | Red Pandas | No | ✓ | Re-identification of individual red pandas (51) at a research centre. Specific to site. Trained on 7,091 frames. |
| MegaDetector | https://github.com/microsoft/CameraTraps/blob/main/megadetector.md | Animals (no further identification) | No |  | Finds animals present in camera trap videos, for researchers to go on to further classify. |
| MLWIC2 | https://github.com/mikeyEcology/MLWIC2 | USA species (58 species) | No |  | Uses R. |
| Wildlife Insights | https://www.wildlifeinsights.org/ | 886 Species | No |  | Offers statistics on how well the model is tracking your species of interest before you input your data. Requires you to share your data online |
| Wildme | https://www.wildme.org/#/ | 53 species | No | ✓ |  |
| Zambacloud | https://www.zambacloud.com/ | 31 African species, 10 european species | No (African forest and Western Europe). Yes (other) |  | Models for African forest and Western Europe. Or option to create your own model to track animal(s) of choice. |
| BBoxEE | https://github.com/persts/BBoxEE | Any | Yes | ✓ | This software is not a trained species detector. Instead, it is a useful software for building your own model. Use it for annotating bounding boxes. |