

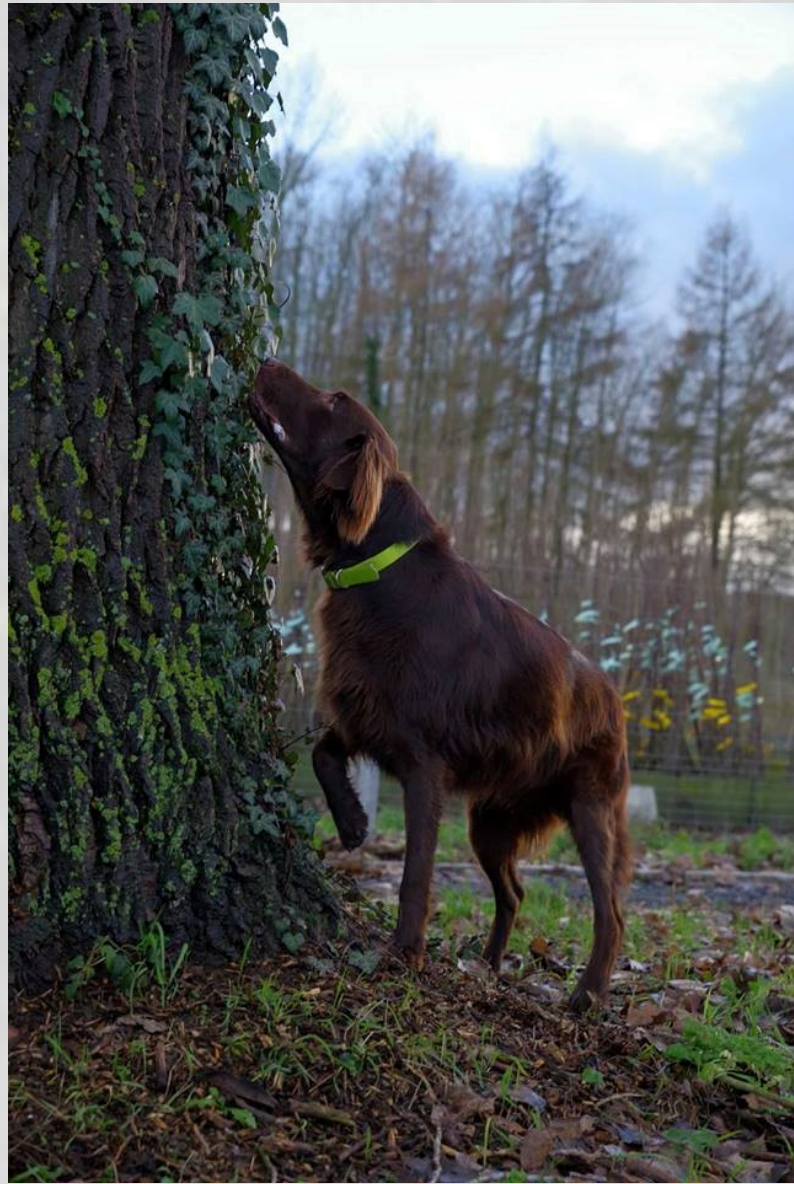
SNIFFING FOR NATURE: DETECTION DOG TRAINING IN REAL LIFE ENVIRONMENT

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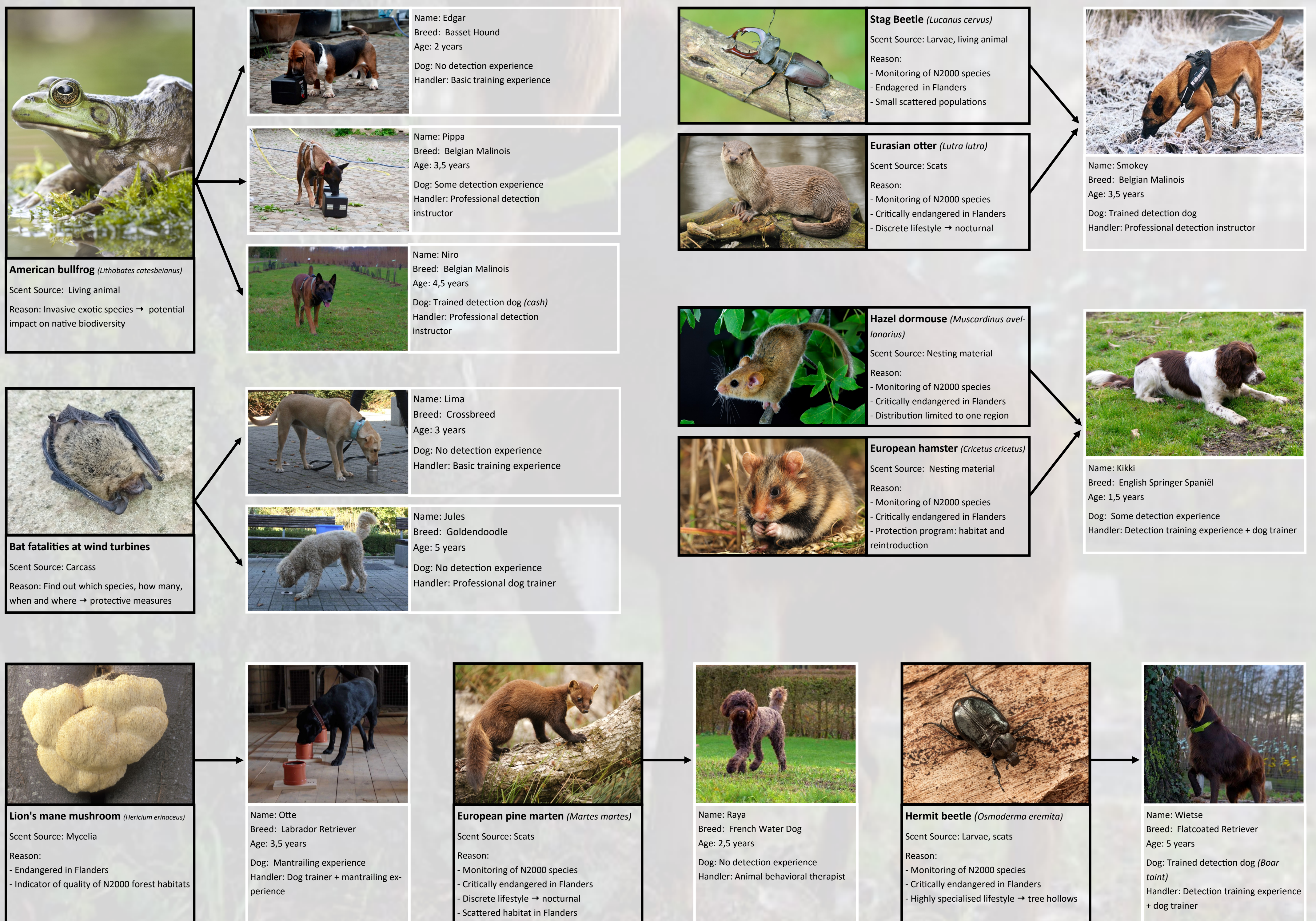
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Scent detection dogs can provide a fast, reliable and non-invasive method for detection of a variety of target species for nature monitoring, offering a charismatic tool for communication. Therefore, it could be an ideal tool for the monitoring of N2000 species with a discrete lifestyle. However only limited experience is available in Europe. A volunteer program was set up where a professional scent dog trainer selected eight human-dog dyads and assisted them in scent training on different target species. We documented if the dogs could reliably detect the target species in a controlled as well as natural setting.

MATERIAL AND METHODS: We interviewed the volunteers and trainer (Ellen Van Krunkelsven) to identify which problems were encountered when the training proceeded from a controlled setting to a natural environment. Each dog was trained on one or two target species. Training experience of the volunteers ranged from very restricted to professional level.



RESULTS: All dogs of varying breeds, sexes and ages, manage to correctly discriminate the target species, with inter-individual differences in learning speed and drive. Detection problems in the field relate to species-specific natural history traits of the target species such as depth of hiding under ground, seasonality of markings and ease of possible detection of the target by humans.