

10 Steps for FIT (Footprint Identification Technology)

Tools for Non-Invasive Wildlife Monitoring

1. Zoo keeper in zoo has training on how to create a collection of footprints from the carnivores in their care.



2. Zoo keeper in zoo collects prints from key carnivore species.

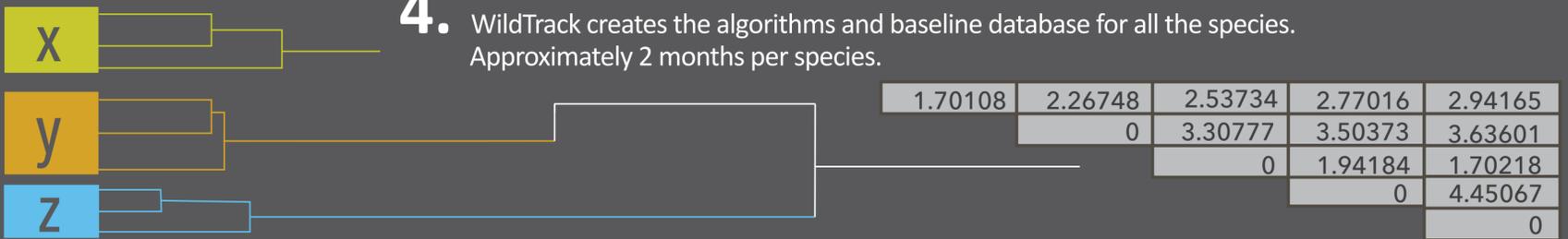


3. Up to 20 Male & 20 Female



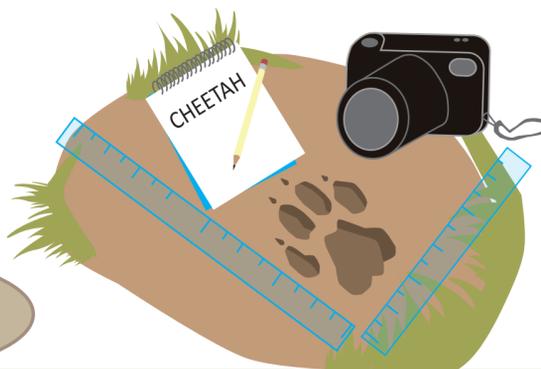
animals, contributing 20-35 prints each for submission to WildTrack.

4. WildTrack creates the algorithms and baseline database for all the species. Approximately 2 months per species.

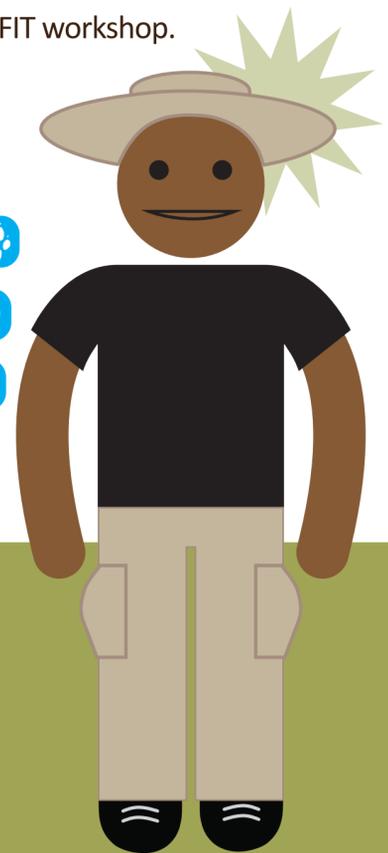


5. Field research team are trained to collect and analyze prints in FIT workshop.

6. Field research team collects prints of unknown wild individuals.



7. All prints are put into...



FITTM

Wildtrack has developed the Footprint Identification Technique (FIT) based on morphometrics of footprints, to identify endangered and elusive species, by non-invasive methods.

8. Field researchers conduct the analysis using the JMP (SAS) and FIT software on the unknown prints using the algorithms created from the zoo prints.



Female - 5 Years Old
FIT Code

9. Field researchers determine the individuality, sex, and age of unknown individuals and code them.

10. Field researchers can then follow known individuals across their study sites and determine how many there are. Data on numbers and distribution is central to effective conservation. This information will go into global population studies.



Reasons why your zoo should use FIT!

For more information please visit: www.ConservationFIT.org

FIT is: **NON-INVASIVE**

HIGHLY ACCURATE

DATA DRIVEN

ADAPTABLE

COST-EFFECTIVE

SUSTAINABLE

ACCESSIBLE TO CITIZEN SCIENTISTS & COMMUNITIES

