

WHO USES THE TREE CAVITIES IN THE PATAGONIAN FORESTS?  
Natalie Dudinszky, M. Barrionuevo, S. Ippi, V. Ojeda

MANY ANIMALS USE TREE CAVITIES FOR NESTING, ROOSTING OR SHELTERING



WE ARE THE EXCAVATORS, WE CAN MAKE OUR OWN CAVITIES!



MAGELLANIC WOODPECKER  
*Campephilus magellanicus*

STRIPED WOODPECKER  
*Veniliornis lignarius*

CHILEAN FLICKER  
*Colaptes pitius*

WHITE-THROATED  
TREERUNNER  
*Pygarrhichas albogularis*



WE NEED THAT THE TREE HOLES ARE ALREADY THERE BECAUSE WE CAN'T MAKE OUR OWN CAVITIES!



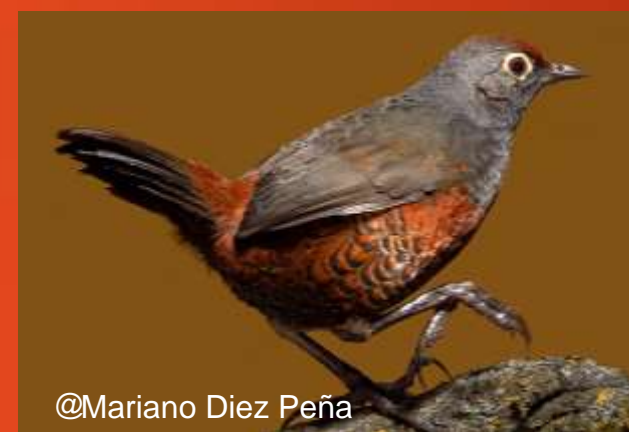
AMERICAN KESTREL  
*Falco sparverius*



CHUCAO TAPACULO  
*Scelorchilus rubecula*



MAGELLANIC  
TAPACULO  
*Scytalopus magellanicus*



BLACK THOATED  
HUET-HUET  
*Pterotochos tarnii*



AUSTRAL THRUSH  
*Turdus falcklandii*



AUSTRAL PARAKEET  
*Enicognathus ferrugineus*



AUSTRAL PYGMY-OWL  
*Glaucidium nana*



RUFOUS-LEGGED OWL  
*Strix rufipes*



THORN-TAILED  
RAYADITO  
*Aphrastura spinicauda*



PATAGONIAN  
SIERRA-FINCH  
*Phrygilus patagonicus*



MONITO DEL  
MONTE  
*Dromiciops gliroides*



RODENTS



HOUSE WREN  
*Troglodytes aedon*



TORRENT DUCK  
*Merganetta armata*



COMMON BARN-  
OWL  
*Tyto alba*



CHILEAN SWALLOW  
*Tachycineta meyeni*



BATS



LYZARDS

And there are many more!!!!

# FIRE IN THE FOREST

Natalie Dudinszky, V. Ojeda, T. Kitzberger

WHAT HAPPENS WITH CAVITIES ONCE THE FOREST BURNS?



LET'S STUDY IT!!!



WE STUDIED HOW FIRE INFLUENCES CAVITY AVAILABILITY IN COIHUE (*Nothofagus dombeyi*) FORESTS OF DIFFERENT AGE AND FIRE SEVERITY INCIDENCE



OLD UNBURNED FOREST



OLD FOREST WITH AND OLD FIRE



INTERMEDIATE AGED FOREST GROWN AFTER A SEVERE FIRE



YOUNG FOREST GROWN AFTER A SEVERE FIRE

IN EACH TREE WE ANALYZED:

NUMBER, SHAPE AND SIZE OF CAVITIES

HEIGHT

DIAMETER

CANOPY OPENING



POSITION AND CHARACTERISTICS OF THE CROWN



WE CALCULATE TREE AGE

WE EVALUATE THE FIRE SCARS



BECAUSE TREES FORM A TREE RING EACH YEAR, IF WE COUNT THEM WE CAN ESTIMATE TREE AGE



WE USE TOOLS CALLED INCREMENT BORERS FOR TAKING TREE CORE SAMPLES THAT ALLOW US TO SEE THE TREE RING LIKE IF WE SEE A TRANSVERSAL CUT OF THE TREE AND THAT ALLOW US TO ESTIMATE TREE AGE.