

Biodiversity Conservation



alive genes life survival

biosphere biotic

BIO = LIFE

Things we already know about LIFE:

- all life is made of one or more cells
- **life has evolved into millions of species**
- ANIMALS, PLANTS AND MICROORGANISMS INTERACT

Things we already know about NATURE:

- **species adapt to their environment**
- ecosystems are communities
- habitats are species homes
- HUMANS ARE PART OF NATURE

What *on Earth* is BIODIVERSITY?

- AMAZING VARIETY OF LIFE
- **genetic, species and ecosystem diversity**
- native animals, plants and microorganisms
- miracle of life

Why should I CARE about biodiversity?

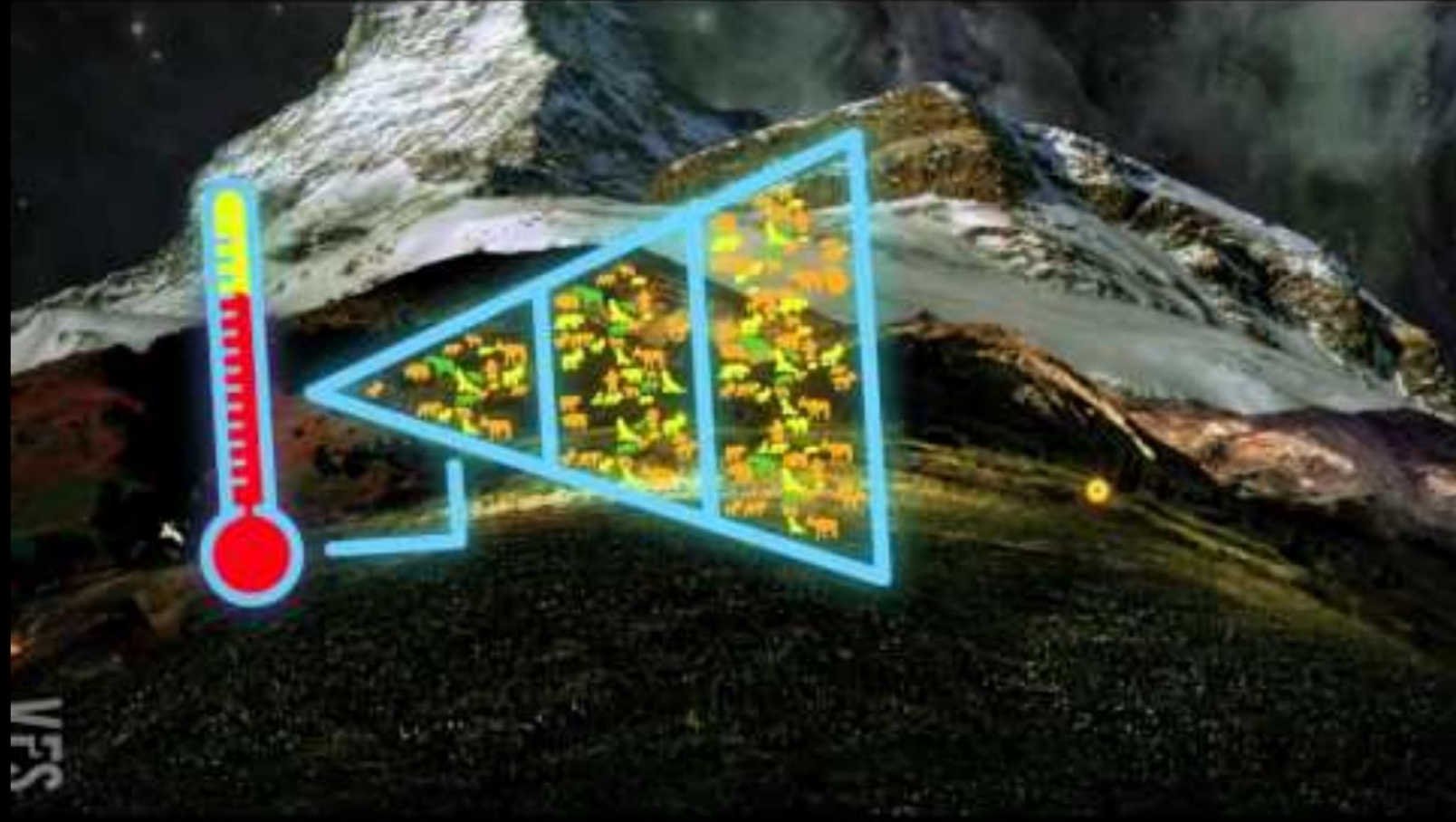
- my clean water
- **my oxygen**
- my clothes
- **my medicine**
- my inspiration
- MY SURVIVAL

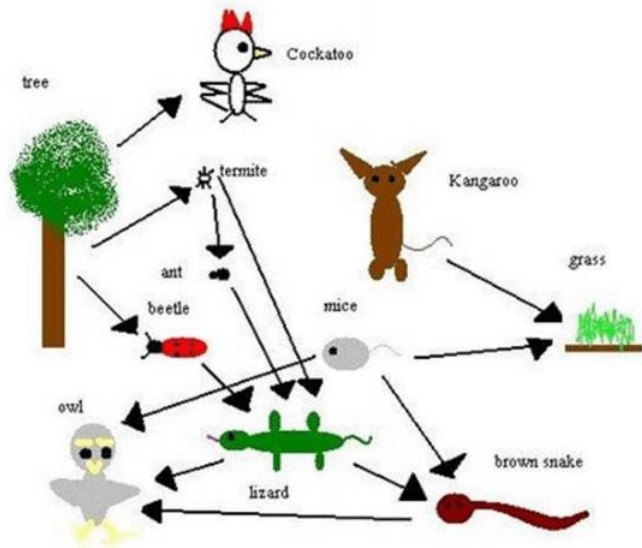


My FOOD is culturally diverse



it's easy to forget why BIODIVERSITY is so important





THERE IS NO PLANET B.

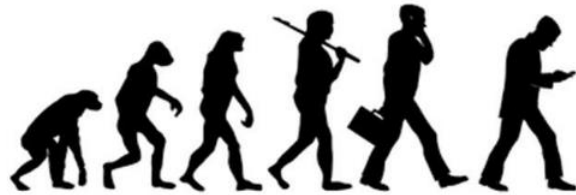
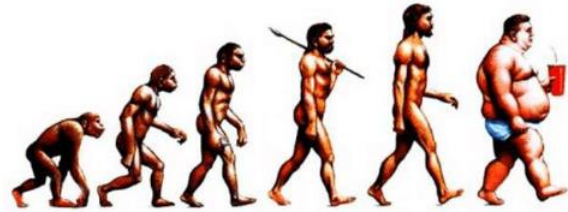




BIODIVERSITY MAKES A BETTER WORLD



What's your special power?

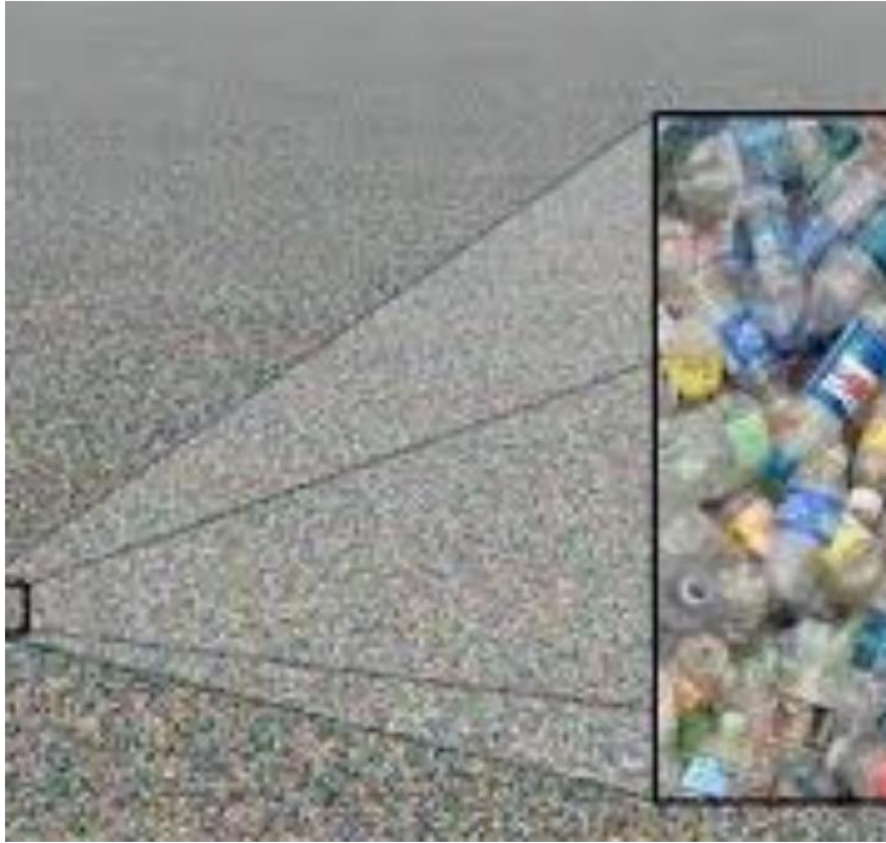


at the core of our
BIODIVERSITY CRISIS?



Waste from humans ends up in the ...





Plastic kills animals



that humans move around the world
BECOME WEEDS, PESTS and DISEASES that
devastate native biodiversity







profits *before* science
and our safety



ethical and sustainable
practices than others



is all about making
educated choices





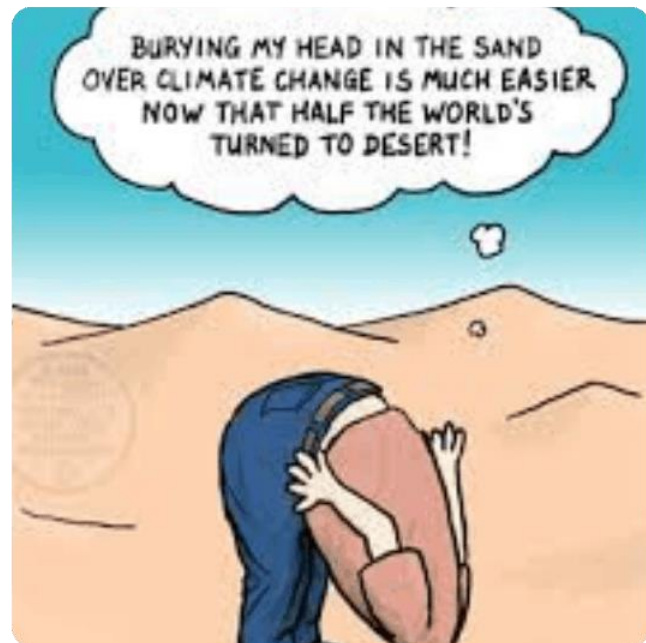
IS NOT A LAUGHING MATTER

It is causing **extinctions**
and **crazy weather**



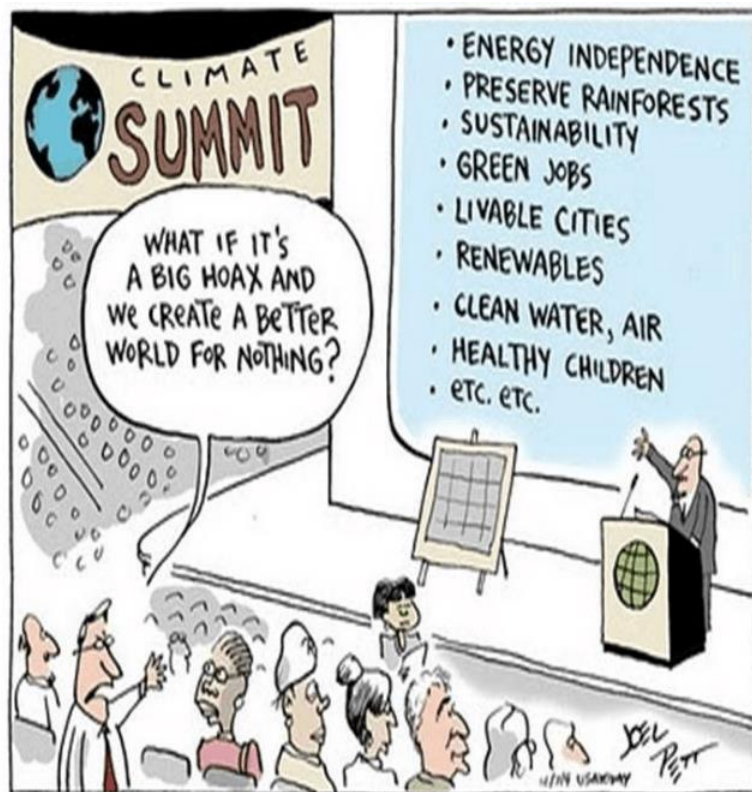
and transportation
still relies on burning fossil fuels

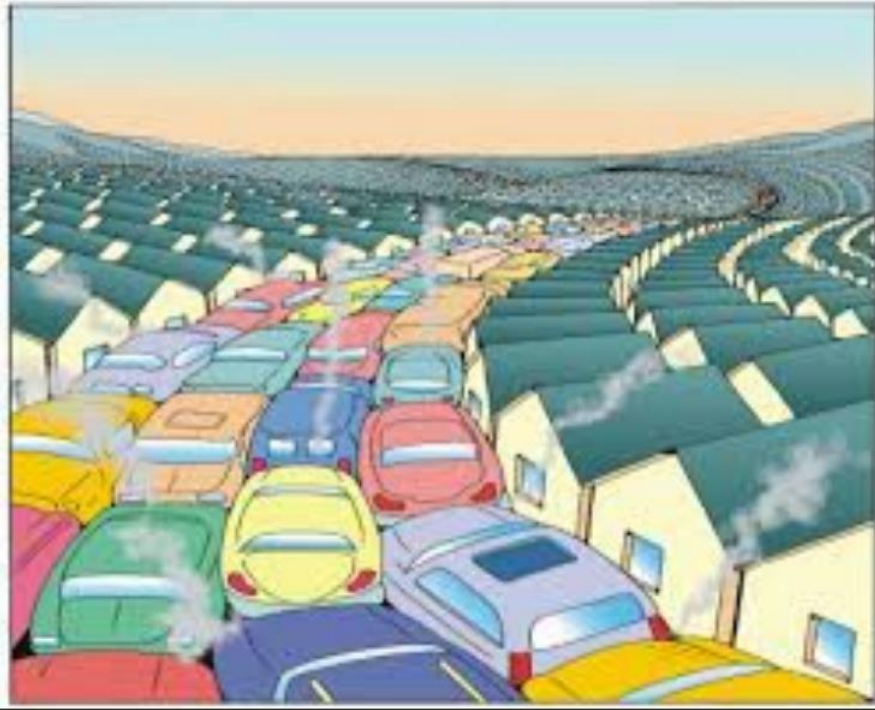
THIS IS VERY OLD FASHIONED



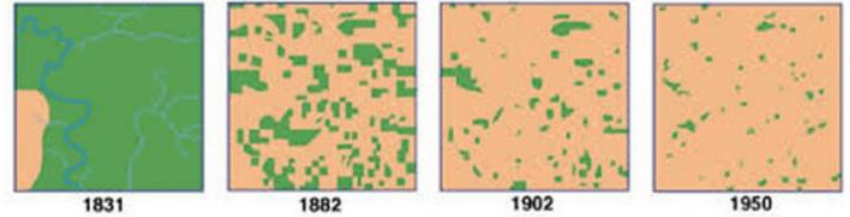


RENEWABLE ENERGY

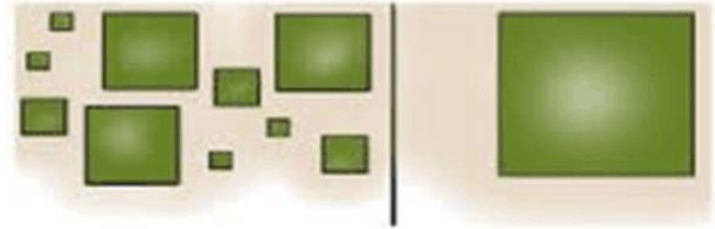




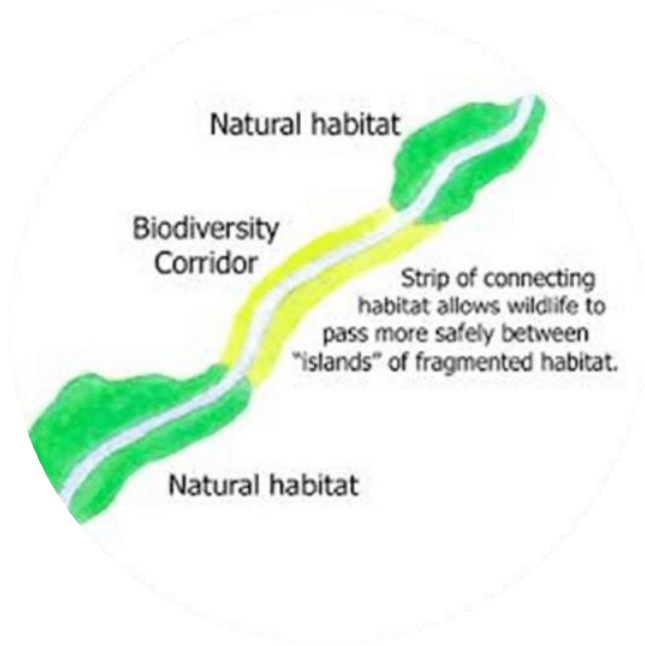
**ROADS and INDUSTRY
leaves wild animals homeless**



**Fragmented Landscape
vs. Block of Habitat**



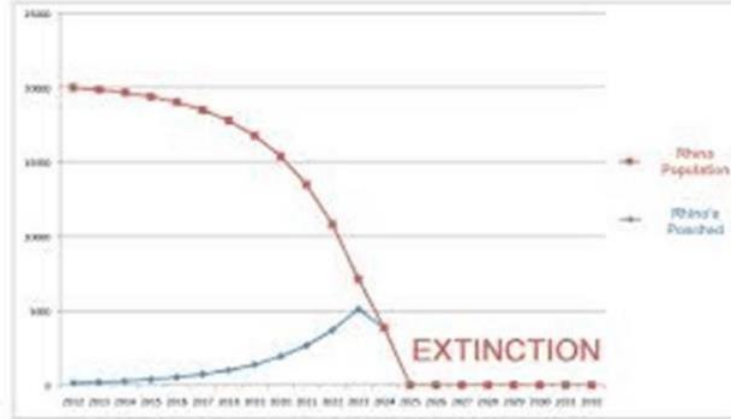
**This is called
HABITAT FRAGMENTATION**



**allow wildlife to move
between habitat fragments**



can act as HABITAT CORRIDORS
that allow threatened animals
to cross roads to feed,
breed and escape disasters



animal species with EXTINCTION in other countries





yet are **important water-filtering ecosystems**



and halt climate change

How do you put a \$ VALUE on biodiversity?

- protects us against natural disasters like floods and droughts
- helps us bounce back from problems like pests and disease
- gives us options and security for the future
- **provides us with resilience**
- STABILISES THE CLIMATE



TO PROTECT HUMANITY and BIOLOGICAL DIVERSITY



**SPECIES ARE DISAPPEARING IN FRONT OF OUR EYES
because humans make poor decisions**





THE STORY OF



CHANGE

Knowledge is power - COMMUNITY
ACTION IS POWERFUL



Are we forgetting about the real world by spending too much time in a virtual world?



Story of stuff

Story of forgetting

What helps BEAT CLIMATE CHANGE?

- GO SOLAR
- **use less coal-fired electricity**
- choose efficient cars and appliances
- use a car less - walk, ride, bus, train

We can make SMART CONSUMER CHOICES to help biodiversity:

- BUY LESS
- waste less
- **recycle and buy recycled**
- only buy products that are produced ethically and sustainably - just Google it!



= inefficient food production

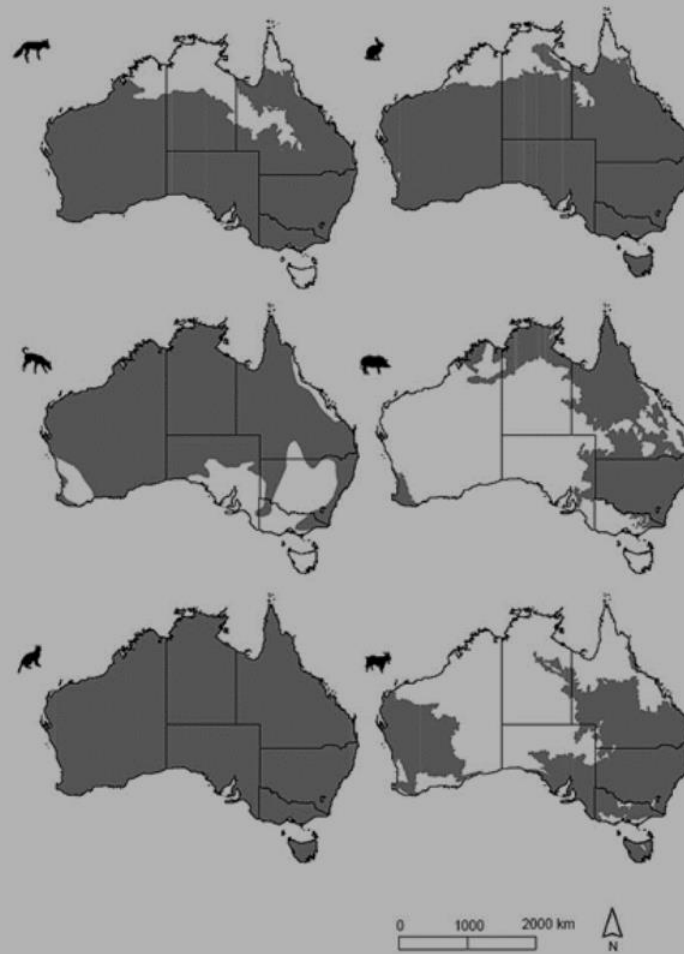
The best food choices ...

- eat less meat
- CHOOSE LOCAL GROWN FOOD
- grow your own fruit and veggies
- **choose organic and sustainable**





EVERYONE



Feral fox, rabbit, dog, pig, cat and goat range in Australia



rabbits, indian minor birds and cane toads

**compete with our native species
and destroy habitat**



cost farmers and society a lot of money

Australian native land mammals:

- 90% ARE ONLY FOUND HERE
- **300 were here before the first fleet**
- 30 are already extinct
- 30 are almost extinct



Killing is a cats' natural instinct - BUT CATS ARE NOT NATIVE
Feral and pet cats are largely to blame for Australian extinctions

Be a responsible pet owner = Contain and de-sex your pets



HUMANS ALSO INTRODUCED FOXES TO AUSTRALIA
They are also hunting the native species to the brink of
extinction



Most BIODIVERSITY CONSERVATION in Australia involves
**habitat protection and the management of foxes and
cats**

A photograph of a reddish-brown fox standing in a forest. The fox is facing left, and its body is slightly angled towards the camera. The forest floor is covered in dry leaves and twigs. In the background, there are many bare, thin trees, suggesting a late autumn or winter setting. The lighting is somewhat dim, and the overall tone is muted.

Broad scale
Community-based FOX
and CAT CONTROL is
really important

We are only beginning to understand the
importance of BIODIVERSITY

**Science and technology can help
biodiversity by learning:**

- what species are surviving in ecosystems
- **how ecosystems are changing**
- why native species are dying
- HOW WE CAN STOP EXTINCTIONS

A close-up photograph of a hedgehog in its natural habitat. The hedgehog is positioned in the center-left of the frame, facing slightly to the left. It has brown fur and prominent, light-colored spines. The ground is covered with dry, brown leaves and twigs, with some green grass blades visible. The lighting is natural, suggesting an outdoor setting during the day.

**YOU can help biodiversity through
YOUR CHOICES and ACTIONS**



unless we LIVE SUSTAINABLY



TREAD LIGHTLY ON OUR PLANET



... please





rockwallaby.org.au

**FRIENDS OF THE
BRUSH-TAILED
ROCK-WALLABY**

