

MAP OF THE TALK



- Madeira general aspects
- Biodiversity and natural history
- Vertebrate Invasive species in Madeira
 - Historic and present situation
 - Results
- General conclusions



Secretaria Regional do Ambiente e Recursos Naturais

Eradication and control of vertebrate IAS in Madeira Archipelago: a short review

Paulo Oliveira


RESPECT



MADEIRA: GENERAL DISCRPTION



Labels on the satellite map:
Madeira
I. Da Metade
I Chão
Bugio
Deserta grande
I da Cal
Porto Santo
I de Cima

- 
- 750 Km²
 - 40 Km²
 - 1420
 - 280.000
 - 35% at Funchal
 - 75% pop. in 13% of the territory



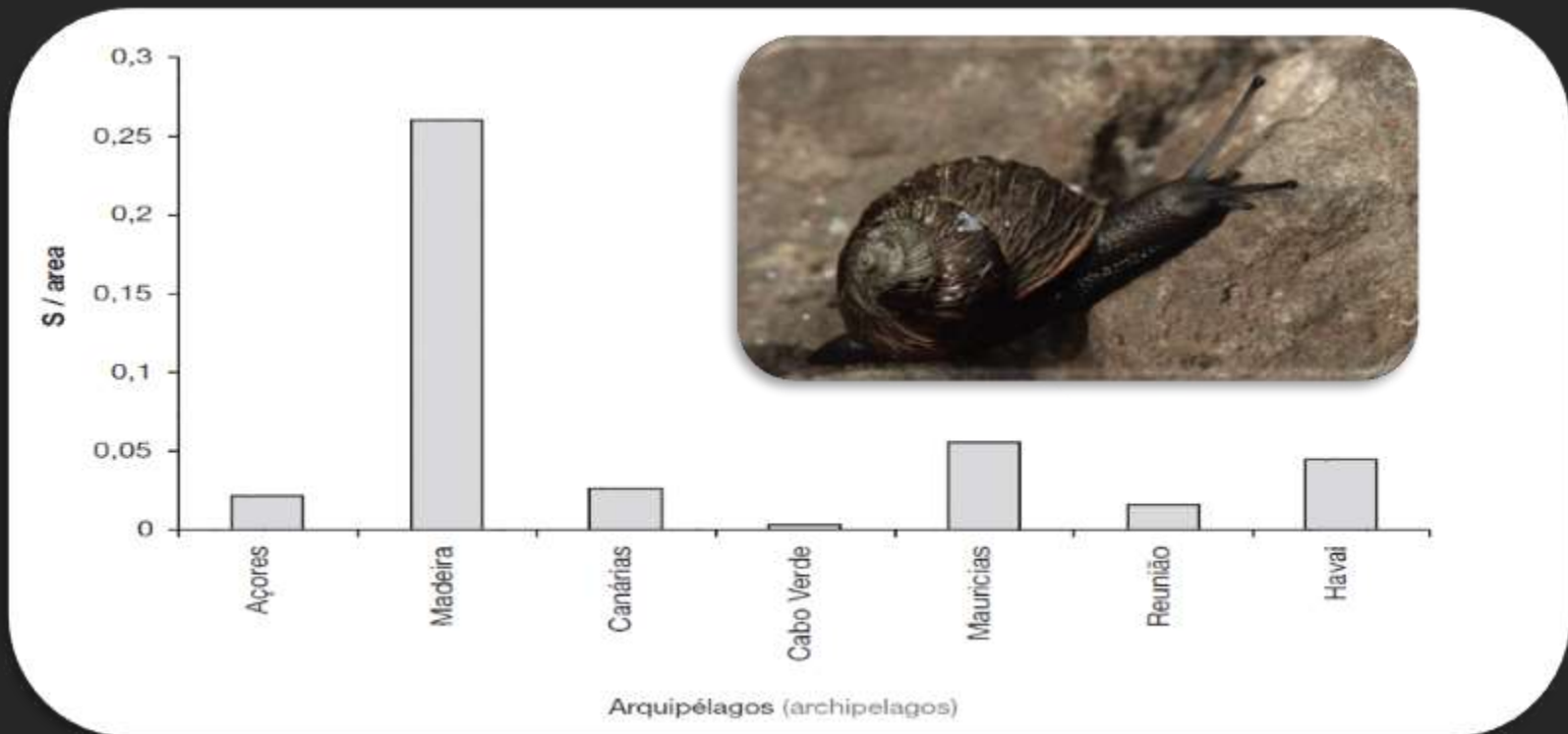
MADEIRA: BIODIVERSITY AND NATURAL HISTORY



- Diversity of habitats
- 7571 taxa (2008)
- 1419 taxa are endemic (20%)

MADEIRA: BIODIVERSITY AND NATURAL HISTORY

Number of endemic taxa per unit area (S/Area)








































IAS DISTRIBUTION

Invasive vertebrate species 1990

Island/islet	Human	Size (ha)/ Altitude (m)	Vertebrate Invasive species in 1990						n
			Goat	Pig	Rabbit	Rats (sp)	Mice	Cat	
Madeira	280.000	74175/1862							
Porto Santo	4000	4043/517							
Deserta Gr	(*)	1028/479							
Bugio	-	321/388							
Selvagem Gr.	(*)	241/163							
Ilhéu da Cal*	(*)	140/178							
Ilhéu de Ferro	-	25/130							
Ilhéu Chão	(*)	43/100							
Ilhéu de Cima	(*)	31/124							
I. da metade	(*)	20/ 98							
Selvagem Pq.	-	20/49							

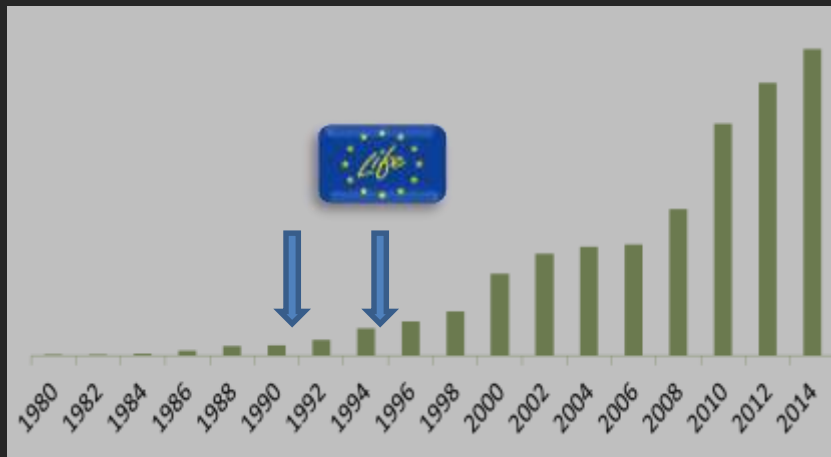
IAS DISTRIBUTION

Invasive vertebrate species 2017

Island/islet	Human	Size (ha)/ Altitude (m)	Vertebrate Invasive species 2017							n
			Goat	Pig	Rabbit	Rats (sp)	Mice	Cat	Ferret	
Madeira	 280.000	74175/1862			P					7
Porto Santo	4000	4043/517	P	-	P	P	P	P	-	6
Deserta Gr	 (*)	1028/479		-		-	P	-	-	3
Bugio	 -	321/388		-		-		-	-	
Selvagem Gr.	 (*)	241/163	-	-		-		-	-	
Ilhéu da Cal*	 (*)	140/178	-	-		-		-	-	
Ilhéu de Ferro	 -	25/130	-	-		-	-	-	-	
Ilhéu Chão	 (*)	43/100	-	-	-	-		-	-	
Ilhéu de Cima	 (*)	31/124	-	-		-	-	-	-	
I. da metade	 (*)	20/ 98	-	-	-				-	
Selvagem Pq.	-	20/49	-	-	-	-	-	-	-	0

THE 1st ERADICATION PROJECT

- 1995 (Rabbits and goats)
- Deserta Grande (1100 ha\479 m)



METHODS



- Methods
 - Bait
 - Broadcast by Hand (by foot)
 - Broadcasts by Hand (by helicopter)
 - Shoting
 - Trapping



Bugio Island

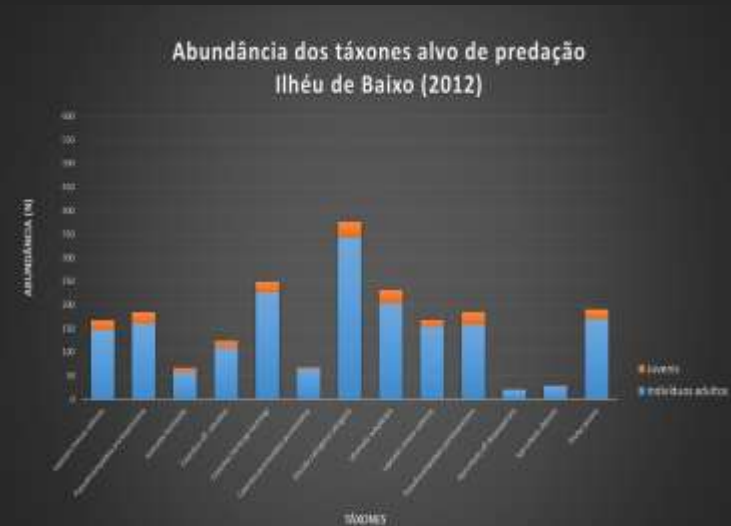


Cima Islet 31 ha/124 m – 2600 snares

RESULTS

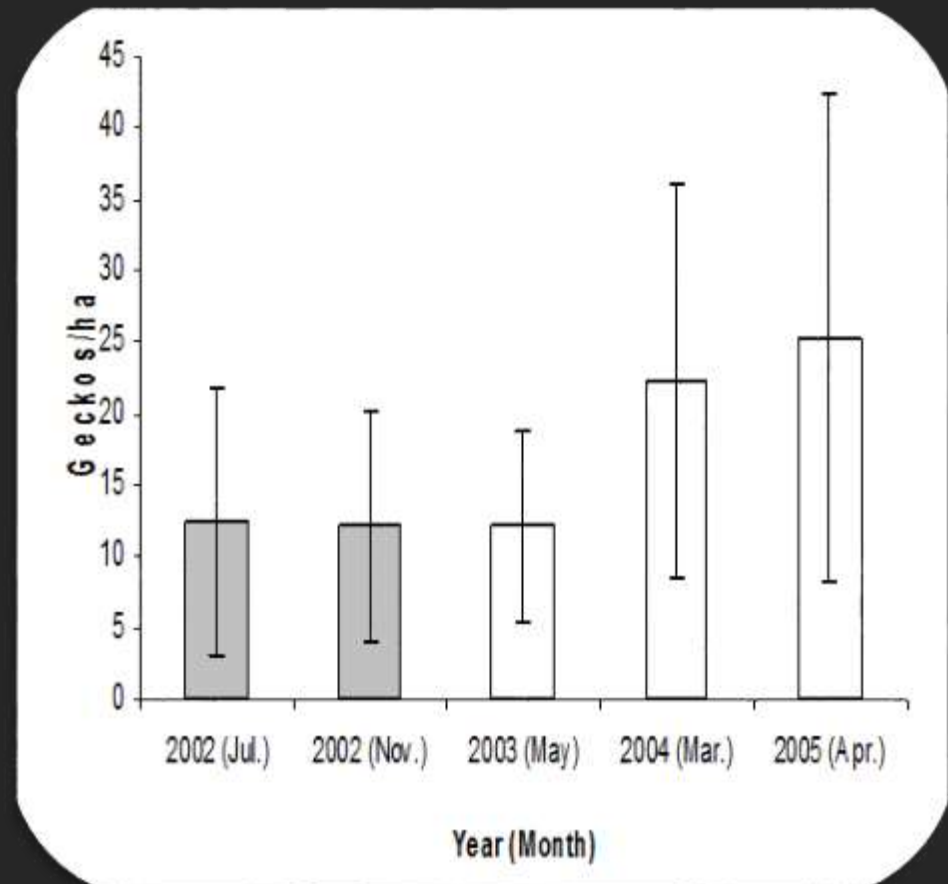


Land snails in I. Baixo
(Porto Santo)



RESULTS

Geckos in Selvagem Grande



THE KEY FOR THE SUCCESS

Budget of 5.000 Euros



Secretaria Regional
de Ambiente e Recursos Naturais



- Funding
 - Build up of Knowledge
 - Build up of logistic capacity
 - Highly specialized and motivated team



THE KEY FOR THE SUCCESS

Highly specialized and motivated team





THANK YOU



Instituto das Florestas e
Conservação da Natureza IFCN



Governo Regional
do Arquipélago da Madeira Regional Government

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MADEIRA: PROTECTED AREAS

Protected Areas and Natura 2000 sites

- 7 Protected areas
- 18 Natura 2000 Sites
- 75 % of the territory

