



# **Sub-regional Analysis of the Status of Aichi Biodiversity Target 12**

**Capacity-building workshop for the Pacific  
on achieving Aichi Biodiversity Targets 11 and 12  
Nadi, Fiji**

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**Convention on Biological Diversity**

**11 July 2016**



# **Explanation of the Elements of Aichi Biodiversity Target 12**

**By 2020,**

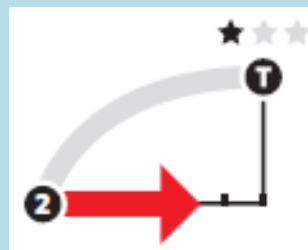
**...the extinction of known threatened species has been prevented and...**

**...their conservation status, particularly of those most in decline, has been improved and sustained.**



# Status of Aichi Biodiversity Target 12

**Extinction of known threatened species has been prevented**



**The conservation status of those species most in decline has been improved and sustained**





# Assessment of Conservation Status by the IUCN

## Red List of Threatened Species

	Estimated number of described species	Percent of species evaluated by the 2015 IUCN Red List version 2015-4
<b>VERTEBRATES</b>		
Mammals	5,515	99.8
Birds	10,424	100.0
Reptiles	10,272	45.0
Amphibians	7,448	87.0
Fishes	33,200	44.0
Subtotal	66,859	62.0
<b>INVERTEBRATES</b>		
Insects	1,000,000	0.6
Molluscs	85,000	8.0
Crustaceans	47,000	7.0
Corals	2,175	40.0
Arachnids	102,248	0.2
Velvet Worms	165	7.0
Horseshoe Crabs	4	100.0
Others	68,658	0.7
Subtotal	1,305,250	1.0
<b>PLANTS</b>		
Mosses	16,236	0.6
Ferns and Allies	12,000	3.0
Gymnosperms	1,052	96.0
Flowering Plants	268,000	7.0
Green Algae	6,050	0.2
Red Algae	7,104	0.8
Subtotal	310,442	7.0
<b>FUNGI AND PROTISTS</b>		
Lichens	17,000	0.1
Mushrooms	31,496	0.1
Brown Algae	3,784	0.4
Subtotal	52,280	0.1
<b>TOTAL</b>	<b>1,734,831</b>	<b>5.0</b>



# Development of Threatened Species Country Data Dossiers

## 126 country dossiers

Information available from BirdLife International, the Digital Observatory for Protected Areas, and the IUCN Red List.

- Threatened Species identified by the IUCN Red List for various taxonomic groups
- Threatened Bird Species
- Critically Endangered Endemic Species

Dossiers have helped to compile the regional, sub-regional and global-level status of the target

Country Data Dossier for Aichi Target 12: Reducing Risk of Extinction

### PAPUA NEW GUINEA – Country Data Dossier for Reducing Risk of Extinction Summary Sheet

Summary Table of Threatened Species Identified by the IUCN Red List

Mammals	Birds	Reptiles*	Amphibians	Fishes*	Molluscs*	Other Inverts*	Plants*
39	38	9	11	49	2	179	151

#### Amphibian, Mammal, Plant\*, and Reptile\* Threatened Species Identified by the IUCN Red List

In Papua New Guinea:

- Out of 266 amphibian species, 11 are threatened or extinct
- Out of 269 mammal species, 41 are threatened or extinct
- Out of 531 plant species, 151 are threatened or extinct
- Out of 238 reptile species, 10 are threatened or extinct

#### List of Threatened Species Identified by the IUCN Red List

Papua New Guinea has:

- 1 Critically Endangered (CR) amphibian species: *Choerobatrachus siegfriedi*
- 11 Critically Endangered (CR) mammal species: *Aproteles bulmerae*, *Dendrolagus pulcherrimus*, *Dendrolagus scottae*, *Dorcopsis atrata*, *Petaurus abidi*, *Phalanger matanim*, *Pharotis imogene*, *Pteralopex flanneryi*, *Salamus panzeleti*, *Spilococcus rufoniger*, *Zaglossus bartoni*
- 17 Critically Endangered (CR) plant\* species: *Aglaia mackiana*, *Bruguiera hainesii*, *Calophyllum acutiputamen*, *Diospyros benstonei*, *Diospyros lolinaensis*, *Gulioa grandifoliola*, *Gulioa hospital*, *Halfordia papuana*, *Helicia beltata*, *Helicia palvosmoides*, *Helicia subcordata*, *Hopea inexpectata*, *Madhusa boerlageana*, *Nothofagus nuda*, *Paphiopedilum bougainvilleanum*, *Paphiopedilum wentworthianum*, *Schistochila undulatifolia*
- 1 Critically Endangered (CR) reptile\* species: *Eretmochelys imbricata*.

#### List of Bird Threatened Species

- Papua New Guinea has 1 Critically Endangered (CR) bird species: *Pseudobulweria becki*.

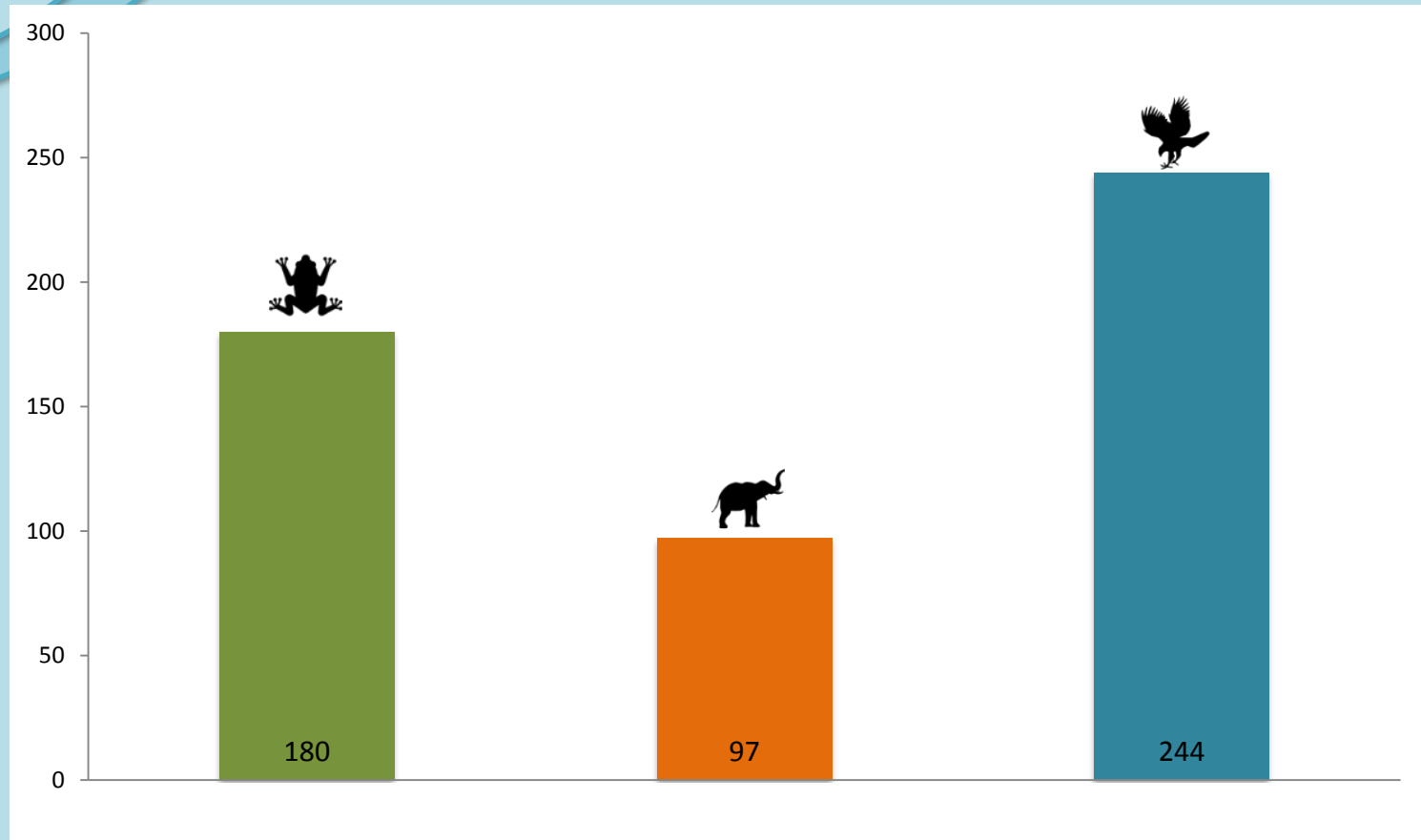
#### List of Critically Endangered Endemic Species

- Out of 1 Critically Endangered (CR) amphibian species, Papua New Guinea has 1 endemic amphibian species: *Choerobatrachus siegfriedi*
- Out of 11 Critically Endangered (CR) mammal species, Papua New Guinea has 6 endemic mammal species: *Aproteles bulmerae*, *Pharotis imogene*, *Dendrolagus scottae*, *Dorcopsis atrata*, *Petaurus abidi*, *Phalanger matanim*
- Out of 1 Critically Endangered (CR) reptile species, Papua New Guinea has 0 endemic reptile species
- Out of 17 Critically Endangered (CR) plant species, Papua New Guinea has 15 endemic plant species: *Schistochila undulatifolia*, *Paphiopedilum bougainvilleanum*, *Paphiopedilum wentworthianum*, *Diospyros benstonei*, *Diospyros lolinaensis*, *Nothofagus nuda*, *Helicia beltata*, *Helicia palvosmoides*, *Helicia subcordata*, *Aglaia mackiana*, *Halfordia papuana*, *Gulioa grandifoliola*, *Gulioa hospital*, *Hopea inexpectata*, *Calophyllum acutiputamen*
- Out of 1 Critically Endangered (CR) bird species, Papua New Guinea has 0 endemic bird species

\*Reptiles, fishes, molluscs, other invertebrates and plants: please note that for these groups, there are still many species that have not yet been assessed by the IUCN Red List and therefore, their status is not known. The figures presented for these groups should be interpreted as the number of species known to be threatened within those species that have been assessed to date, and not as the overall total number of threatened species for each group.

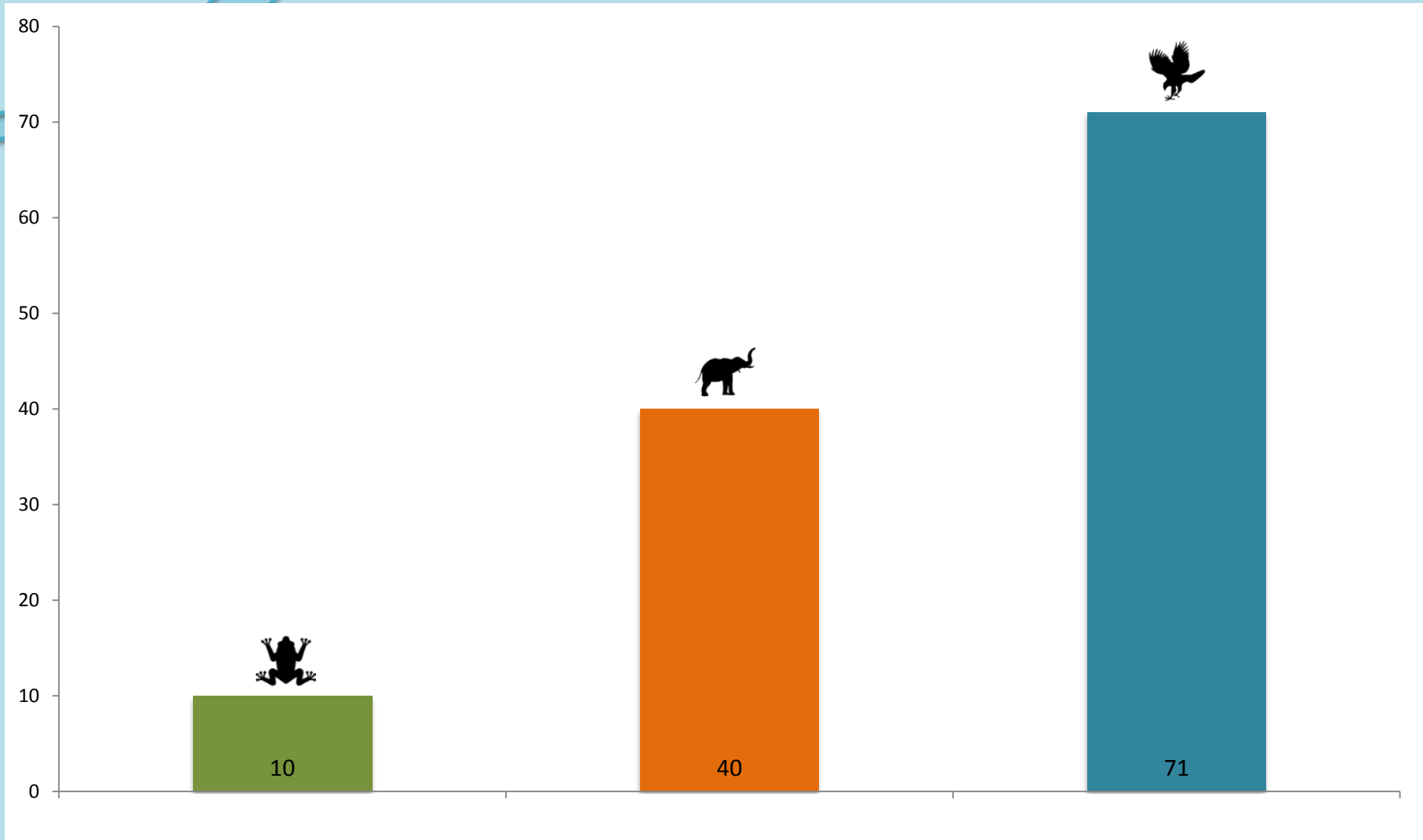


# Number of endemic amphibian, mammal, and bird species in Micronesia, Melanesia and Polynesia



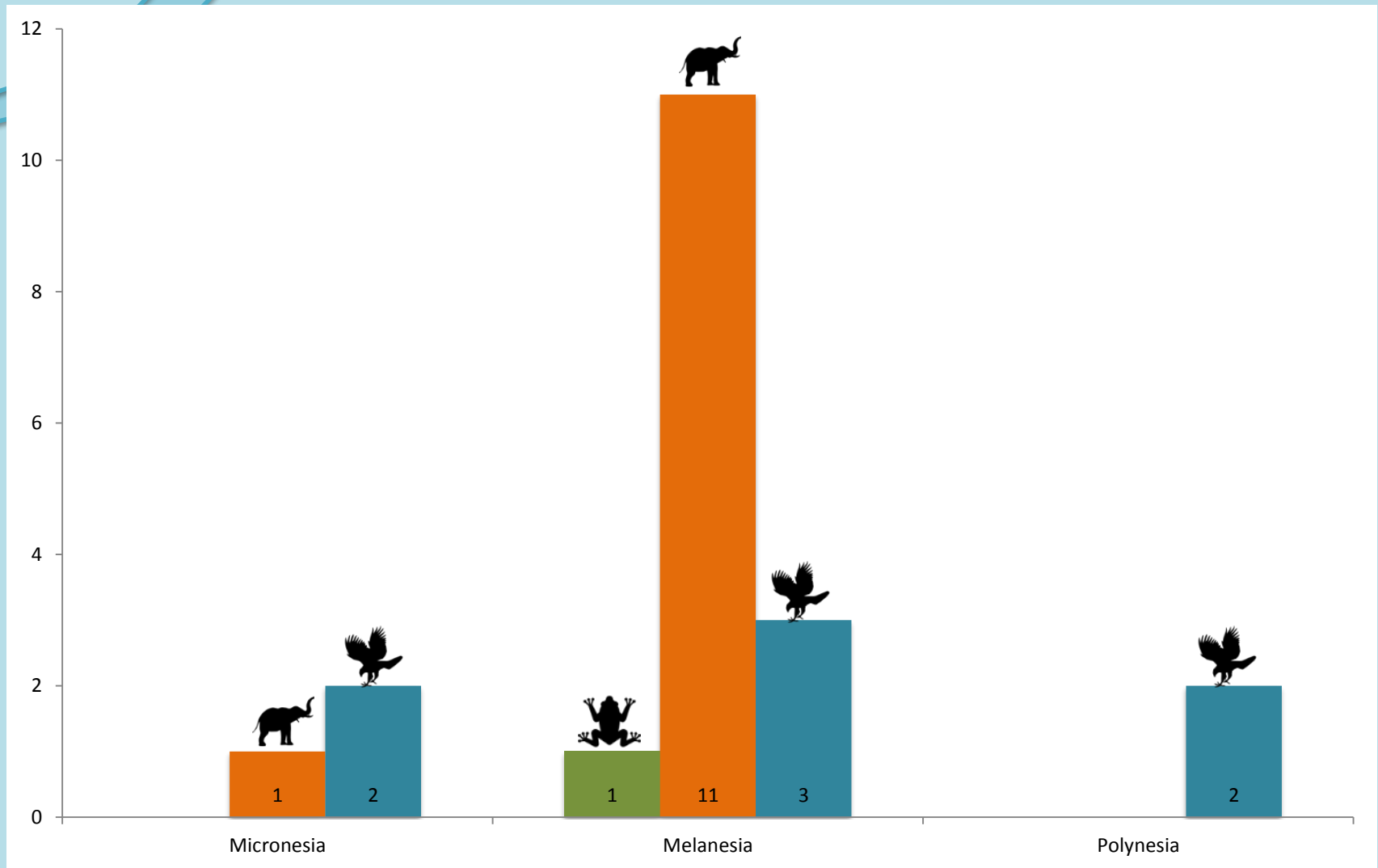


# Number of threatened endemic amphibian, mammal, and bird species in Micronesia, Melanesia and Polynesia





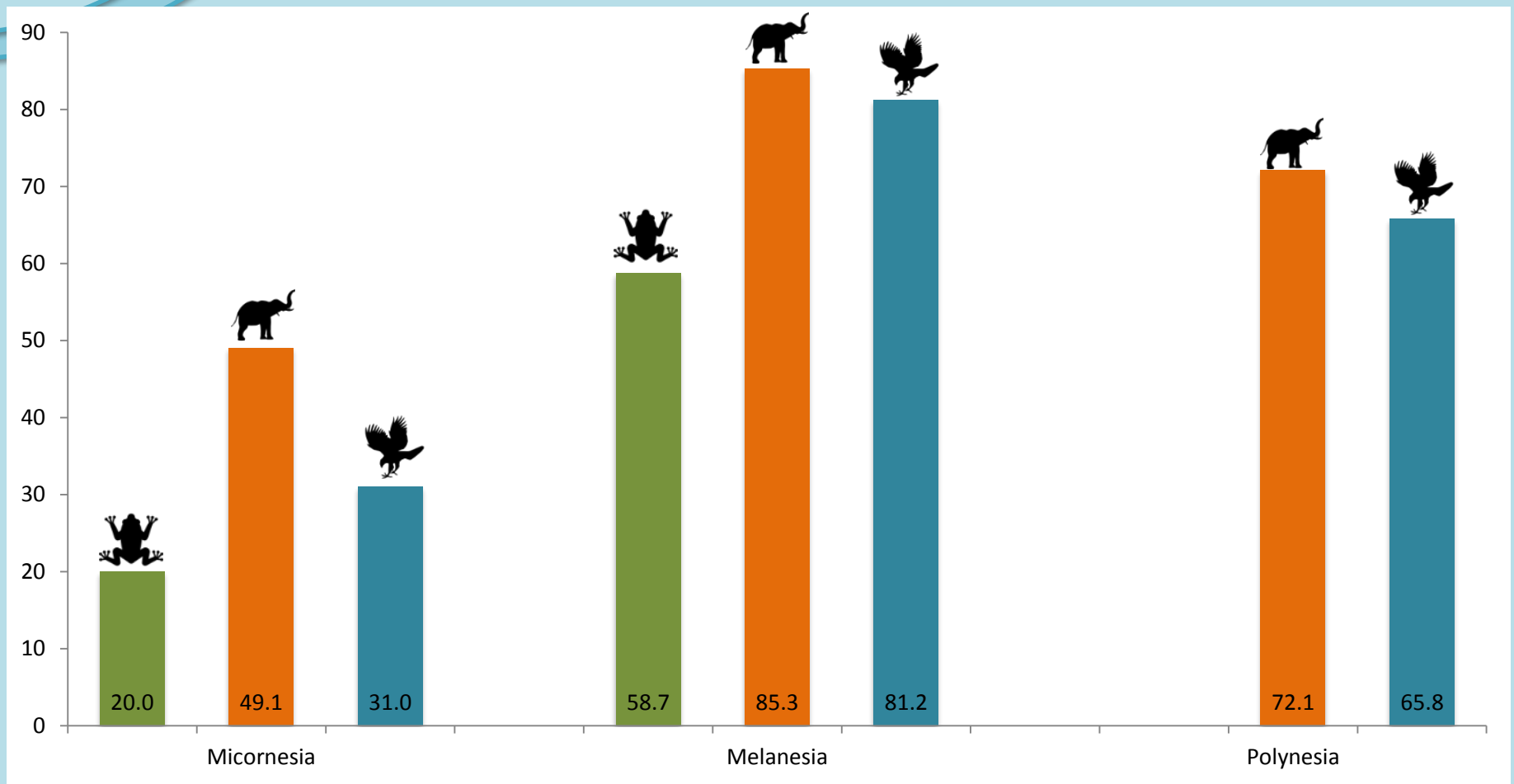
# Number of critically endangered endemic amphibian, mammal, and bird species in Melanesia and Polynesia





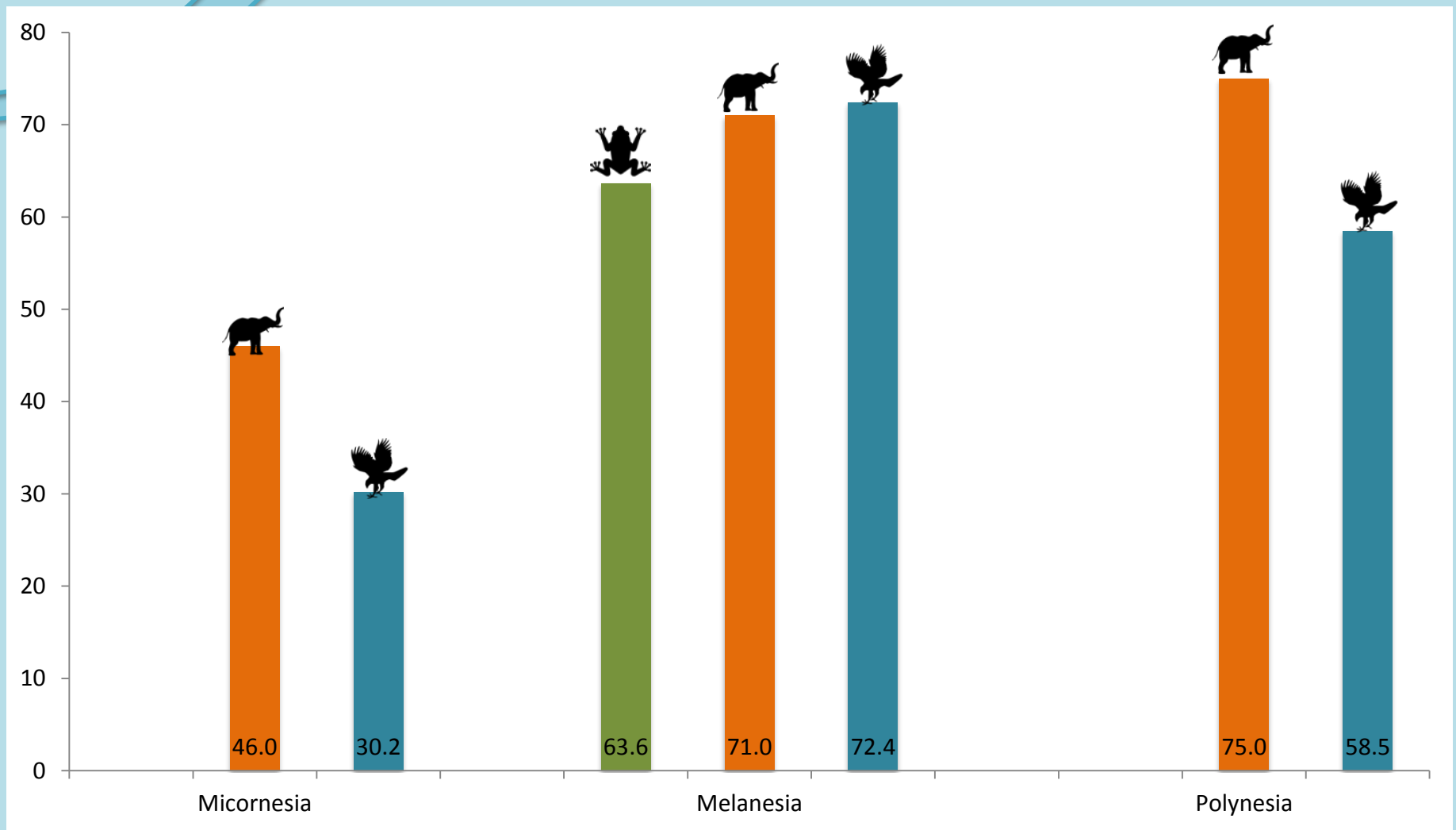


# Average percentage of total amphibian, mammal, and bird species with some of their range (>0% to 100%) overlapping with protected areas in the Pacific



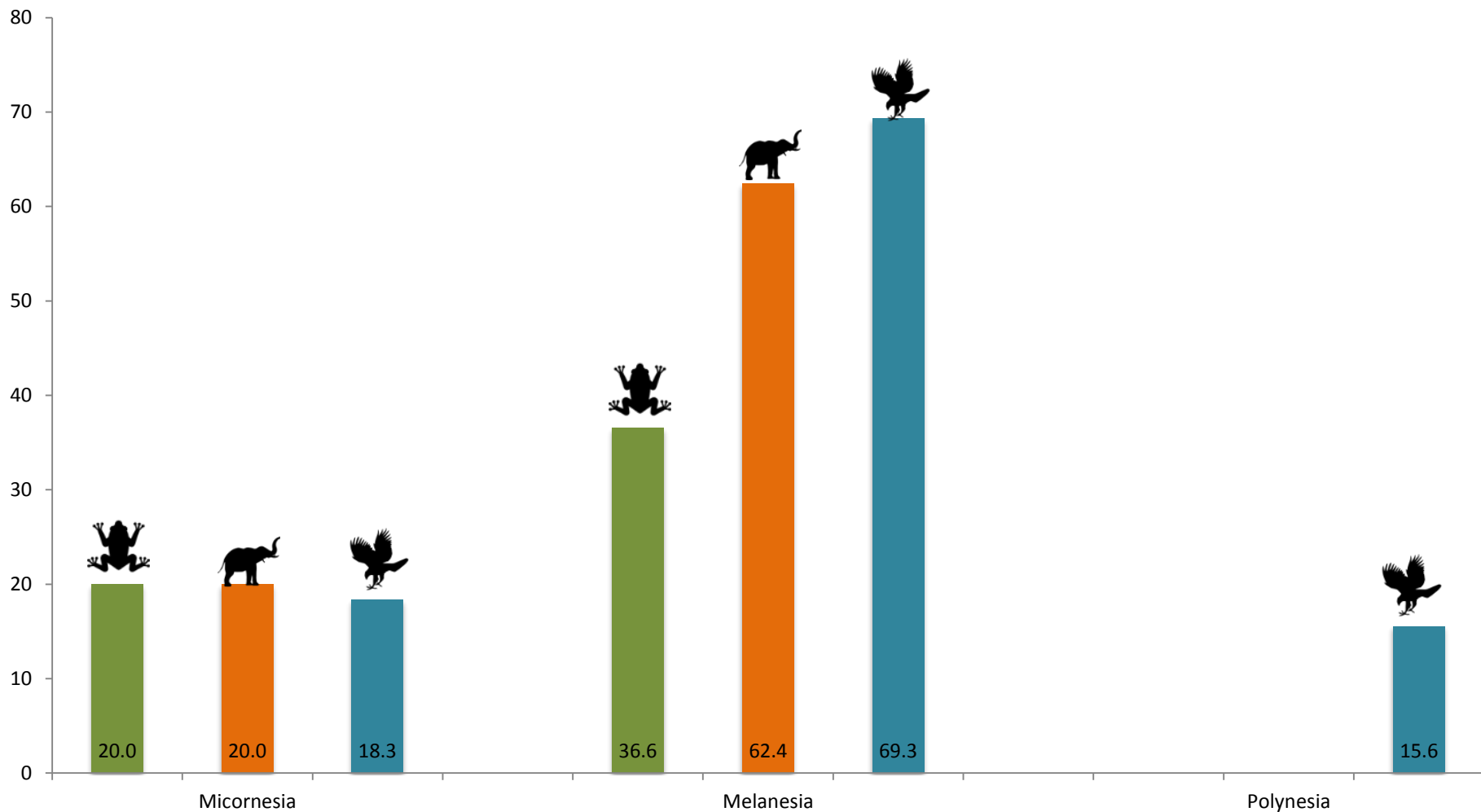


# Average percentage of threatened amphibian, mammal, and bird species with some of their range (>0% to 100%) overlapping with protected areas in the Pacific





# Average percentage of endemic amphibian, mammal, and bird species with some of their range (>0% to 100%) overlapping with protected areas in the Pacific







# Number of Critically Endangered (CR) and Critically Endangered Endemic (CRE) Species in Melanesia

COUNTRY	Amphibians		Birds		Mammals		Plants		Reptiles	
	CR	CRE	CR	CRE	CR	CRE	CR	CRE	CR	CRE
Fiji	0	0	2	2	1	1	21	21	3	2
Papua New Guinea	1	1	1	0	11	6	17	15	1	0
Solomon Islands	0	0	2	1	6	4	0	0	1	0
Vanuatu	0	0	0	0	0	0	1	1	1	0





## Availability of species conservation plans as per 5<sup>th</sup> National Reports for threatened species

	Vulnerable (VU)		Endangered (EN)		Critically Endangered (CR)	
	Non-endemic	Endemic	Non-endemic	Endemic	Non-endemic	Endemic
Palau	0	0	1	0	0	0
Tonga	0	0	0	1	0	0
Solomon Islands	1	0	0	0	0	0