nature sustainability

SUPPLEMENTARY INFORMATION
https://doi.org/10.1038/s41893-019-0324-0

In the format provided by the authors and unedited.

Information gaps in indigenous and local knowledge for science-policy assessments

Rodrigo Cámara-Leret[1]* and Zoe Dennehy[1,2]

[1]Identification & Naming Department, Royal Botanic Gardens Kew, Richmond, UK. [2]University of Sussex, Brighton, UK. *e-mail: R.CamaraLeret@kew.org

Supplementary Information

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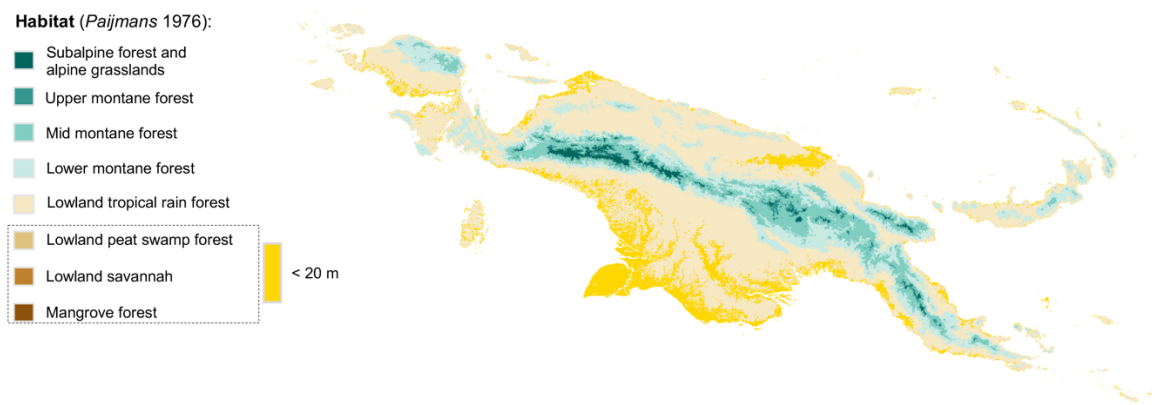
Rodrigo Cámara-Leret[1*] & Zoe Dennehy[1,2]

This file includes:

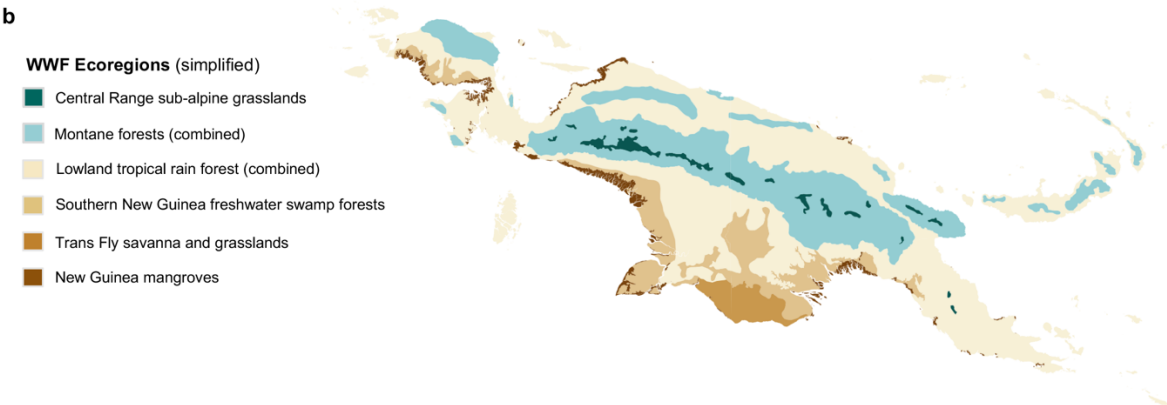
Supplementary Figure 1

Supplementary Tables 1 to 2

a



b



c

WWF Ecoregion	Area (km2)	% Study area of WWF ecoregion	Habitat (Paijmans 1976)	% Study area of Paijmans (1976) habitats
New Guinea mangroves	26,708	3	1. Mangrove forest	
Trans Fly savanna and grasslands	26,618	3	2. Lowland savannah	
Southern New Guinea freshwater swamp forests	99,493	11	3. Lowland peat swamp forest	13
Louisiade Archipelago rain forests	1608		4. Lowland tropical rain forest	
Southeastern Papuan rain forests	77,034		4. Lowland tropical rain forest	
Yapen rain forests	2407		4. Lowland tropical rain forest	
New Britain-New Ireland lowland rain forests	34,916		4. Lowland tropical rain forest	
Vogelkop-Aru lowland rain forests	77,060		4. Lowland tropical rain forest	
Admiralty Islands lowland rain forests	2099	55	4. Lowland tropical rain forest	52
Trobriand Islands rain forests	4180		4. Lowland tropical rain forest	
Biak-Numfoor rain forests	2810		4. Lowland tropical rain forest	
Southern New Guinea lowland rain forests	122,338		4. Lowland tropical rain forest	
Vogelkop montane rain forests	21,851		4. Lowland tropical rain forest	
Northern New Guinea lowland rain and freshwater swamp forests	134,636		4. Lowland tropical rain forest/Lowland peat swamp forest	
New Britain-New Ireland montane rain forests	12,081		5. 6. 7. Lower/Mid/Upper montan forests	
Northern New Guinea montane rain forests	23,184	26	5. 6. 7. Lower/Mid/Upper montan forests	34
Central Range montane rain forests	171,230		5. 6. 7. Lower/Mid/Upper montan forests	
Huon Peninsula montane rain forests	16,450		5. 6. 7. Lower/Mid/Upper montan forests	
Central Range sub-alpine grasslands	15,503	2	8. Subalpine forest and alpine grasslands	1
Total Area	872,206			

Supplementary Figure 1. Percent of study area occupied by each habitat. a, Habitat area calculated using elevation[41], or using **b**, WWF ecoregions[42]. For details, see Methods.

Supplementary Table 1. ILK about the services provided by New Guinea's habitats.

Habitat	# Use Reports	# Uses	# Families	# Genera	# Species	# Indigenous groups	# References
Mangrove forest (sea level)	907	647	38	69	87	13	33
Lowland savannah (sea level)	90	75	32	51	42	3	4
Lowland peat swamp forest (sea level)	247	105	40	70	69	9	14
Lowland tropical rainforest (0-500 m)	9782	7765	184	736	1552	90	173
Lower montane forest (500-1500 m)	12626	8176	205	799	1668	44	139
Mid montane forest (1500-2800 m)	9716	5409	192	684	1346	46	118
Upper montane forest (2800-3200 m)	772	676	63	83	134	13	48
Subalpine forest and alpine grasslands (>3200m)	533	483	37	41	79	9	30

Supplementary Table 2. List of the 488 references reviewed in this study.

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