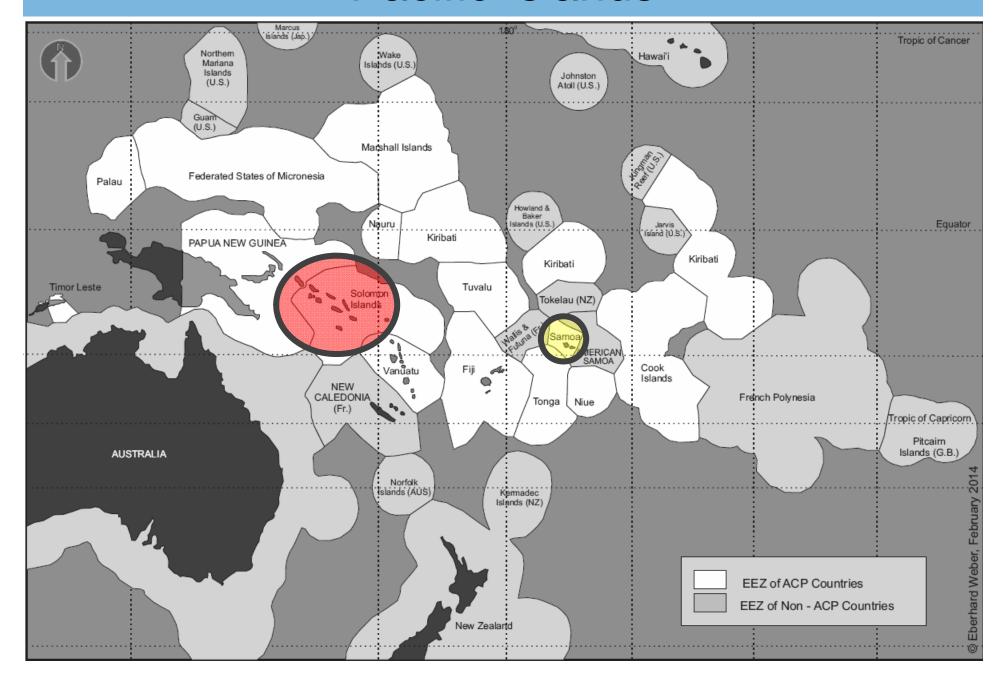


- Resilience is not enough.
- Disasters often provide a chance to improve in the rehabilitation process ("rebuild better").
- It is the cooperation between affected populations, the state and civil society which enables development. Only then a disaster can become a "blessing in disguise"

Pacific Islands



Hazards / Environmental / Climate Change, Mobility and Development

- Environmental Refugees, Forced Migration,
 Environmentally Inducted Migration / Mobility
- Migrants are people who <u>act</u> under the impact of <u>opportunities and constraints</u>
 - It is difficult to generalize, but one has to ask...
 - What are these opportunities and constraints in specific contexts?
 - How far are people actors deciding and shaping their destinies, how far are they driven, to what extend are they forced?

Hazards / Environmental / Climate Change, Mobility and Development

The purpose of mobility is to increase well-being, to reduce risk, or to survive.

- Can these categories be clearly separated from each other, or do they overlap?
- They even might contradict each other
 - Survival strategies often increase risk and decrease well-being.
 - People in their action may trade in one risk against another.

Tsunami Hazards in the Pacific Islands

Case Studies of Samoa and Solomon Islands

- Tsunami in Solomon Islands April 2007
- Tsunami in Samoa September 2009

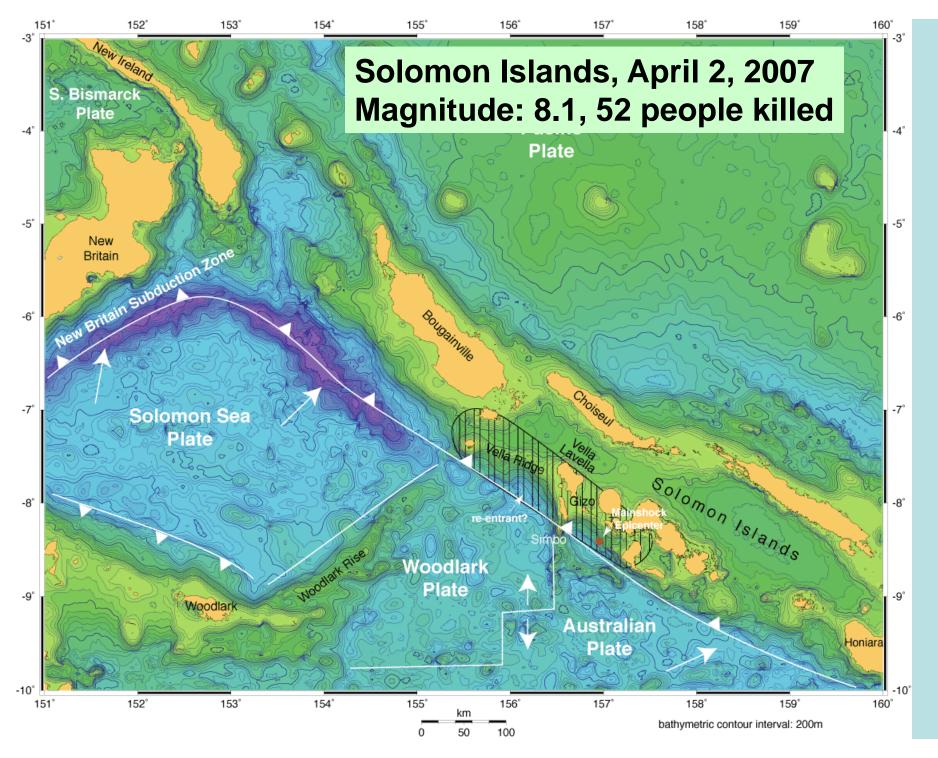
Is it really resilience we hope to achieve???

The tsunami was a blessing in disguise.
 Without everything destroyed we never would have settled where we are right now. Our lives improved a lot...., but it is at risk what has been achieved.

Victims of the 2007 tsunami in the Solomon Islands some 5 years after the disaster



http://www.surfingsolomonislands.com/surftrips.html



Samoa quake and tsunami

September 29, 2009 about 160 dead

PACIFIC **OCEAN**

SAMOA

_ Apia

Upolu

SOUTH PACIFIC **OCEAN**

Pago Pago

Tutuila

AMERICAN SAMOA

Epicentre 8.0-magnitude quake 6:48 am Tuesday (local time)

100 km

AFP 300909 Source: USGS/Pacific Tsunami Warning Centre



Figure 12: Villages selected for Social Impact Assessment (Source: Unknown)

Source: UNESCO-IOC International Tsunami Survey Team Samoa (ITST Samoa) Interim Report of Field Survey 14th – 21st October 2009

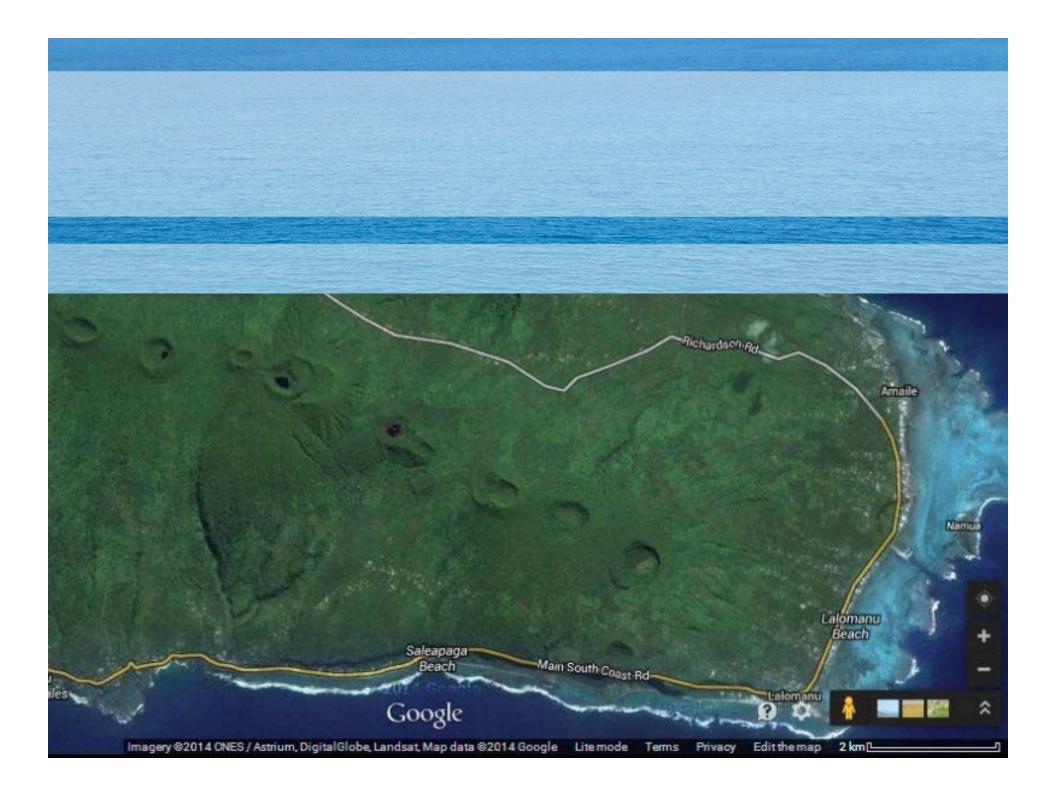
Preliminary Damage Assessment for Ghizo Island (Solomon Islands)

Pest-Disaster QuickBird Satellite Imagery Recorded on 5 April 2007 Objected Ad Stelligenda SI Apol (1907) Contracted A

8 April 2007

MANAGE TO 2007 AND ASSESSED.



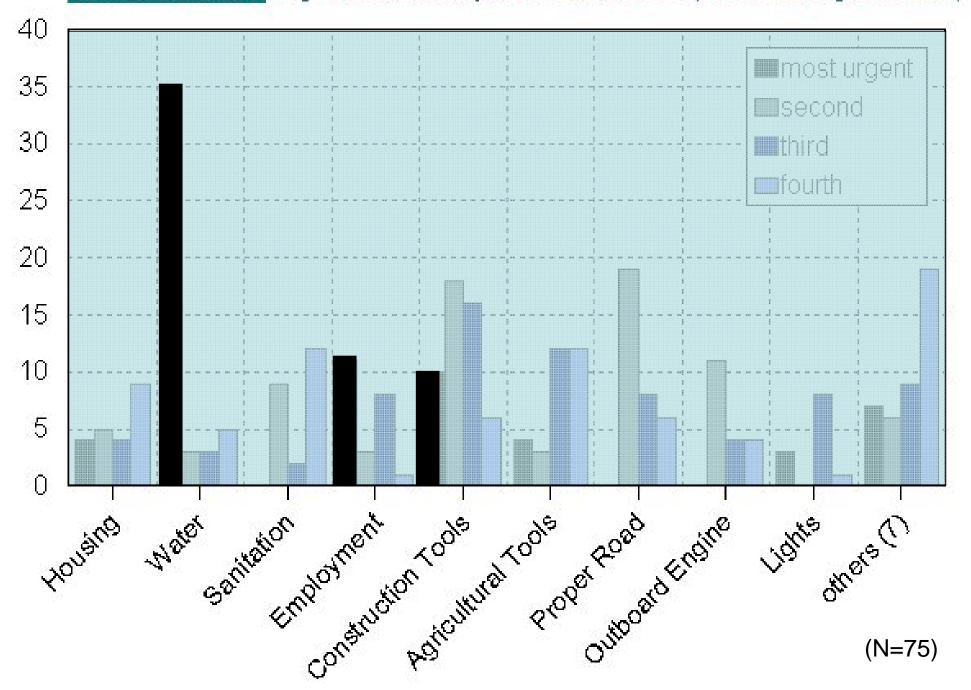


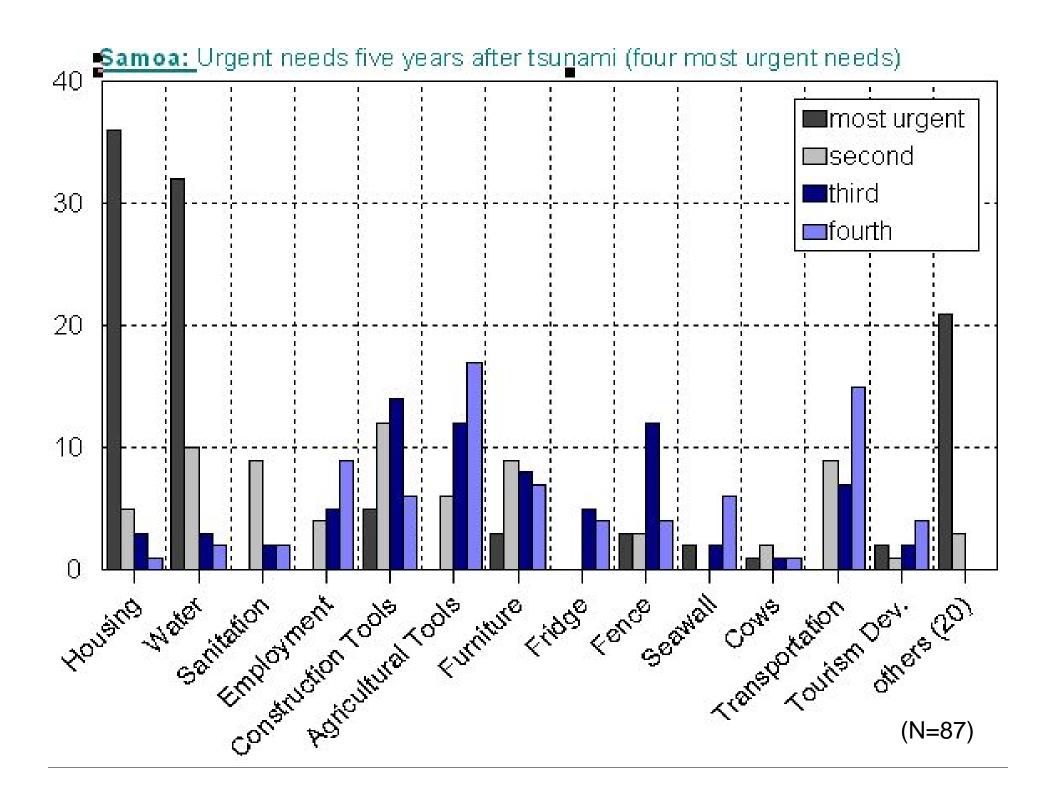
Resettlement is a political decision. In Samoa it is backed by the Government, in the Solomon Islands it is not.

Empirical Case Studies

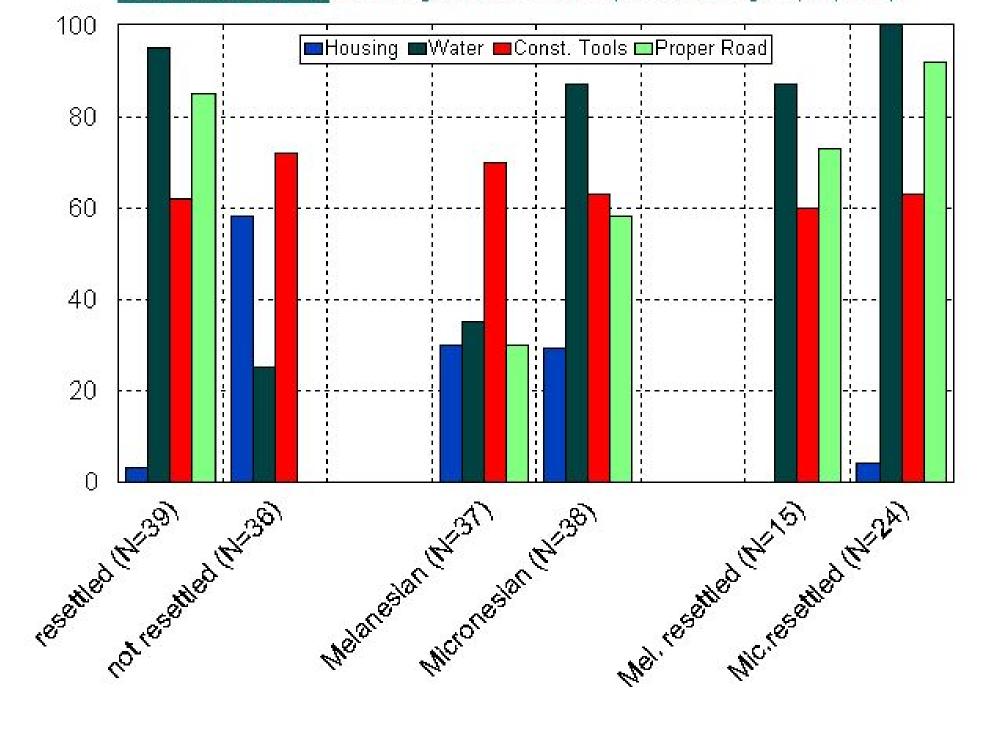
- Needs assessment after 5 years
- Importance of Food Security in Disaster Risk
- Importance of Social Capital
- Similar kind of disaster different challenges
- The role of the governments

Solomon Islands Urgent needs five years after tsunami (four most urgent needs)

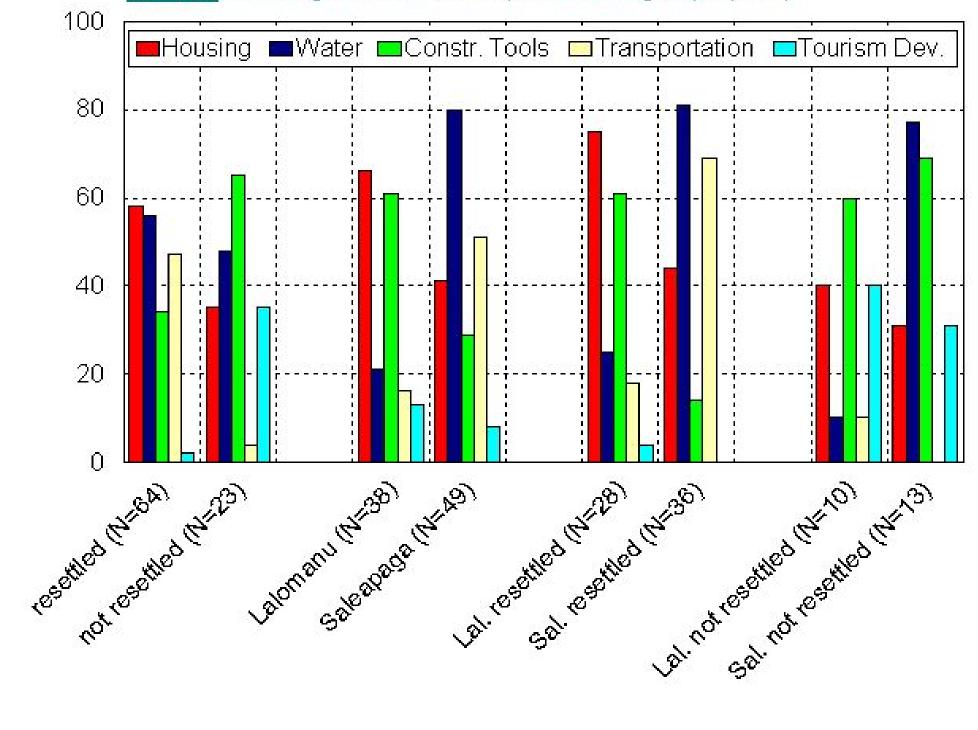




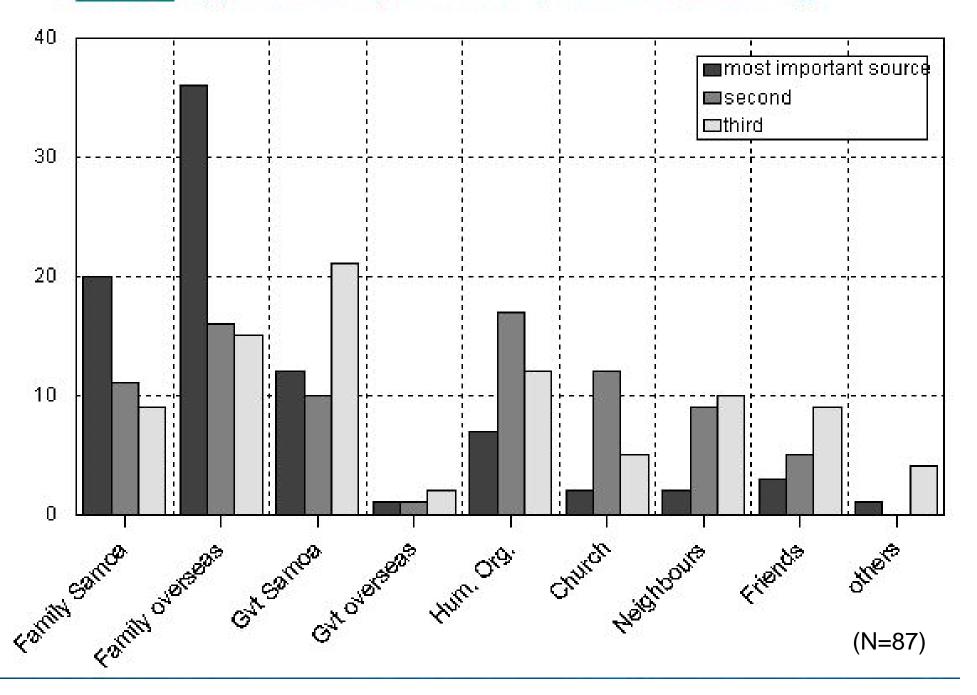
Solomon Islands: Most urgent needs for important sub-groups (in %).



Samoa: Most urgent needs for important sub-groups (in %)



Samoa: Support received (three most important sources, naming)



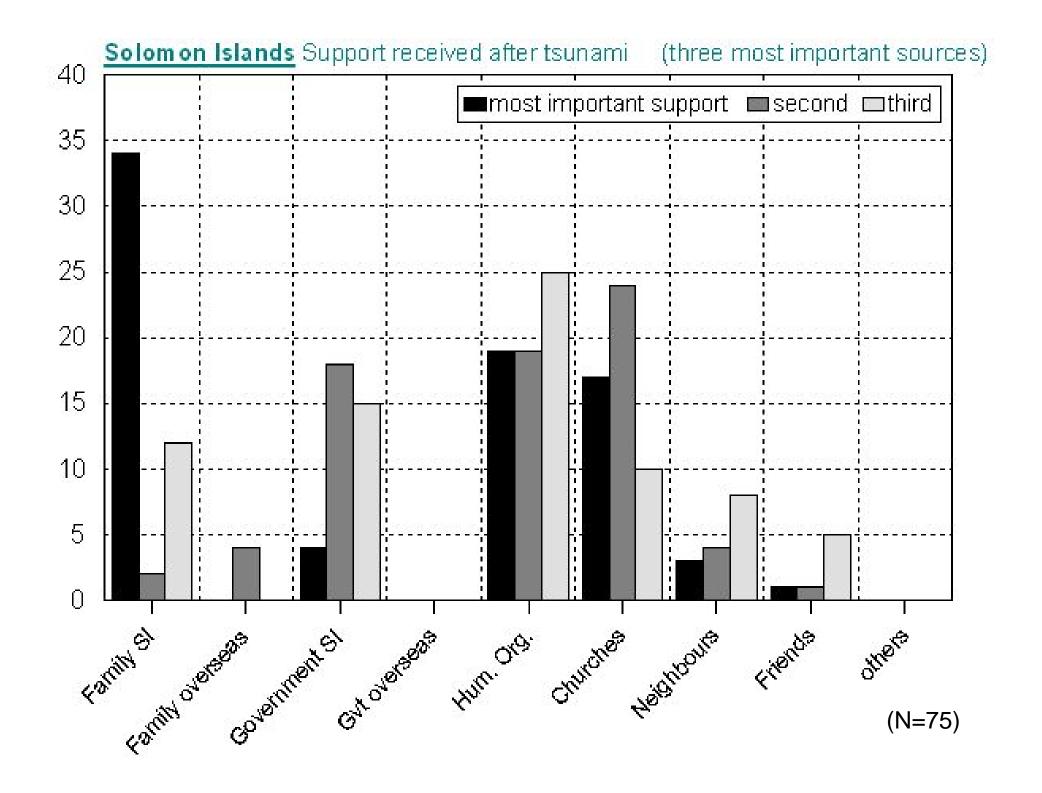












Table 1: Population, Area and Island Topography of Pacific Islands Countries and Territories

Country	Sub-Region	Population (2013)	Population (around 1960)	Land Area	Exclusive Economic Zone (km²)¹	Population Density (per/km²)	Atolls / Coral Islands	Raised Islands	Volcanic Islands	Total
Cook Islands	Polynesia	15,200	18,378 ^f	240	1,960,135	63	7	0	8	15
Niue		1,500	4,864 ^f	259	316,629	6	0	1	0	1
Samoa		187,400	114,427 ^f	2,934	131,812	64	0	0	2+8 islets	2
Tonga		103,300	56,383ª	688	664,853	150	a few	>100	a few	~170
Tuvalu		10,900	5,444 ^h	26	751,797	419	9	0	0	9
Fed. States of Micronesia Kiribati	Miconesia	103,000	39,284 ^c 43,336 ^h	700	2,992,597	147	~600	0	>10	607
Control of the Contro		108,800		726	3,437,345	149	32	1	0 a	33
Marshall Islands		54,200	13,928 ^c	181	1,992,232	299	34	0	0	34
Nauru		10,500	4,613 ^f 9,344 ^c	21	308,502	500	0	1	0	1
Palau		17,800		487	604,289	37	<300	>10	>5	340
Fiji Islands	Melanesia	859,200	345,737 ^a	18,272	1,281,122	47	2	a few	<100	~320
Papua New Guinea		7,398,500	2,184,986	462,000	2,396,214	16	a few	a few	>600	>600
Solomon Islands	Mel	610,800	124,076 ^d	28,000	1,597,492	22	a few	0	>900	>990
Vanuatu	0	264,700	78,088 ^k	12,190	827,891	22	0		82	82
Timor Leste		1,066,409	n.k.	15,007	77,256	71	0	0	2	2
sub-total		10,812,209	n.k.	541,731	16,347,569			our .		
Territory										
American Samoa	Poly	56,500	20,051 ^e	199	404,391	284	2	0	5	7
French Polynesia	Poly	261,400	84,551 ^g	3,660	4,767,242	71	~80	a few	~40	130
Tokelau	Poly	1,200	1,870 ^f	12	319,031	100	3	0	0	3
Wallis & Futuma	Poly	12,200	8,546 ^m	143	258,269	85	0	0	2	2
Guam	Micro	174,900	67,044 ^e	549	221,504	318	0	0	1	1
Northern Mariana Islands	Micro	55,700	8,290 ^c	457	749,268	121	0	0	15	15
New Caledonia	Mela	259,000	86,519 ^c	18,600	1,422,543	14	0	0	7	7
sub-total		820,900	n.k.	23,620	8,142,248	n.k	n.k	n.k.	n.k.	n.k.
overall		11,633,109	n.k.	565,351	24,489,817	n.k	n.k	n.k.	n.k.	n.k.

*1956 b1957 '1958 d1959 *1960 f1961 51962 b1963 i1966 k1967 l1968 m1969 Source: for Population Data: SPC Population Data 2011 and Time Series from 1900 for Island size and island type: Pacific Islands Yearbook, 1989

Land Area and EEZ for Pacific Island Countries according to www.forumsec.org EEZ for Pacific Island Territories: http://www.seaaroundus.org/eez/ figures for Timor Leste from http://dne.mof.gov.tl