

# Community based approaches to natural resource management – governance and the role of government

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LMMA Network

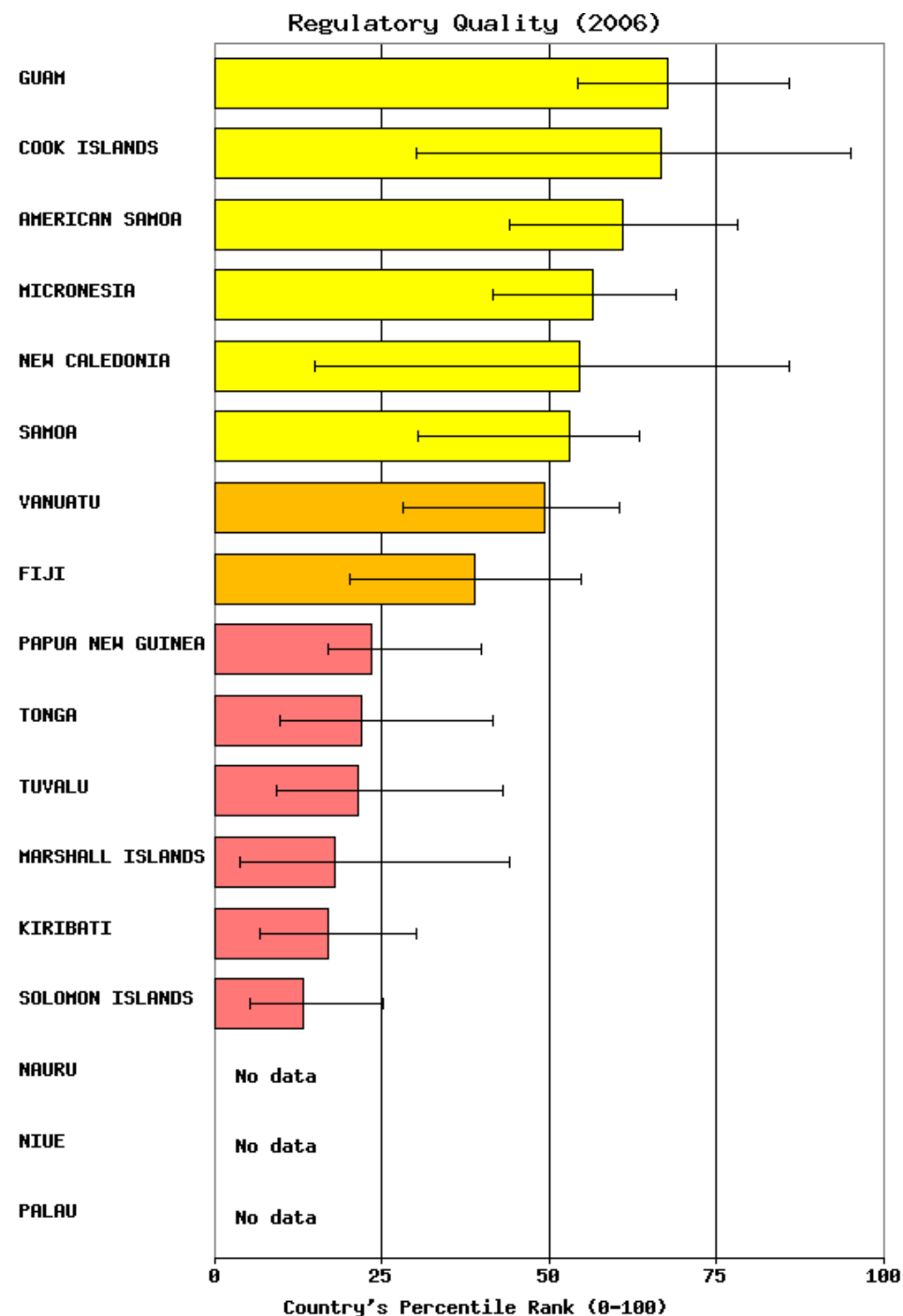


# Content

- A challenge
- An opportunity
- Recent progress in (M)PA development
- A workable community model?
- National approaches?
- Future challenges and capacity needs

**A challenge:**

**Governance – poor  
regulatory quality and  
government  
effectiveness (and \$\$)**



Source: Kaufmann D., A. Kraay, and M. Mastruzzi 2007: Governance Matters VI: Governance Indicators for 1996-2006

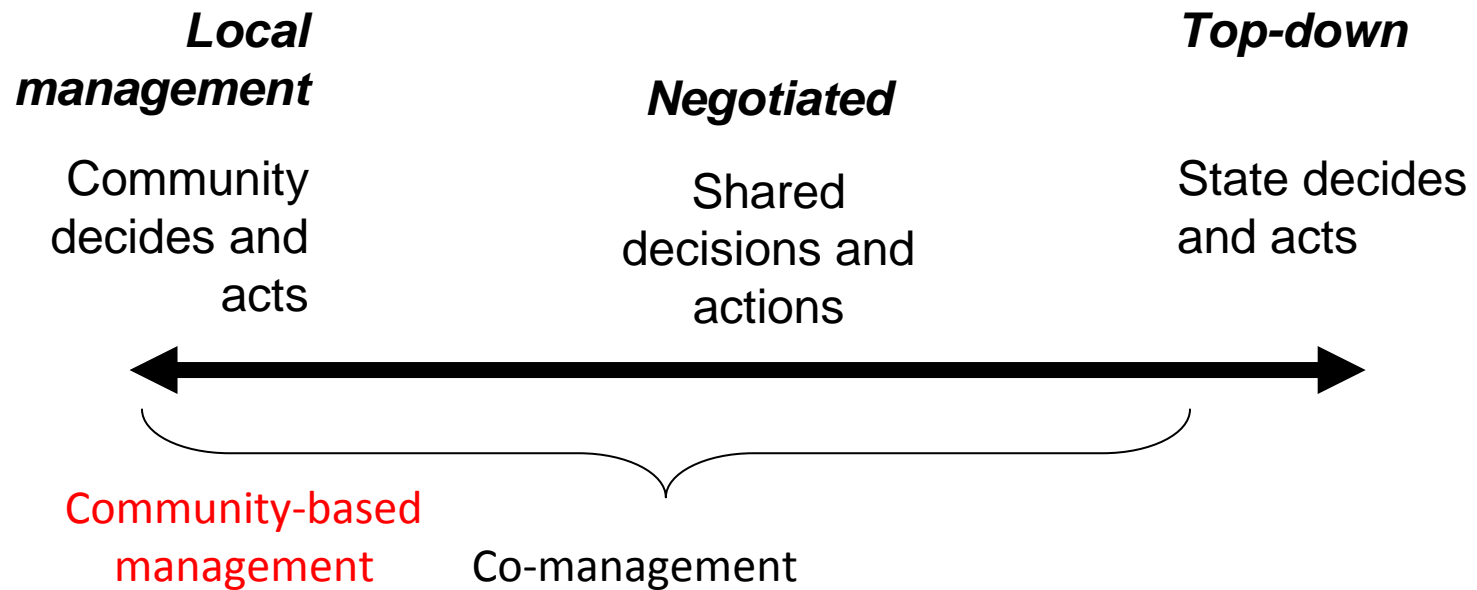
# An opportunity?:

## Land (and ~sea) ownership in Melanesia / Polynesia

	Public <sup>a</sup>	Freehold <sup>b</sup>	Customary
Cook Islands	Some	Little	<b>95%</b>
Fiji	4%	8%	<b>88%</b>
Niue	1.5%	0%	<b>98.5%</b>
Papua New Guinea	2.5%	0.5%	<b>97%</b>
Samoa	15%	4%	<b>81%</b>
Solomon Islands	8%	5%	<b>87%</b>
Tokelau	1%	1%	<b>98%</b>
Tonga	100%	0%	<b>0%</b>
Tuvalu	5%	<0.1%	<b>95%</b>
Vanuatu	2%	0%	<b>98%</b>

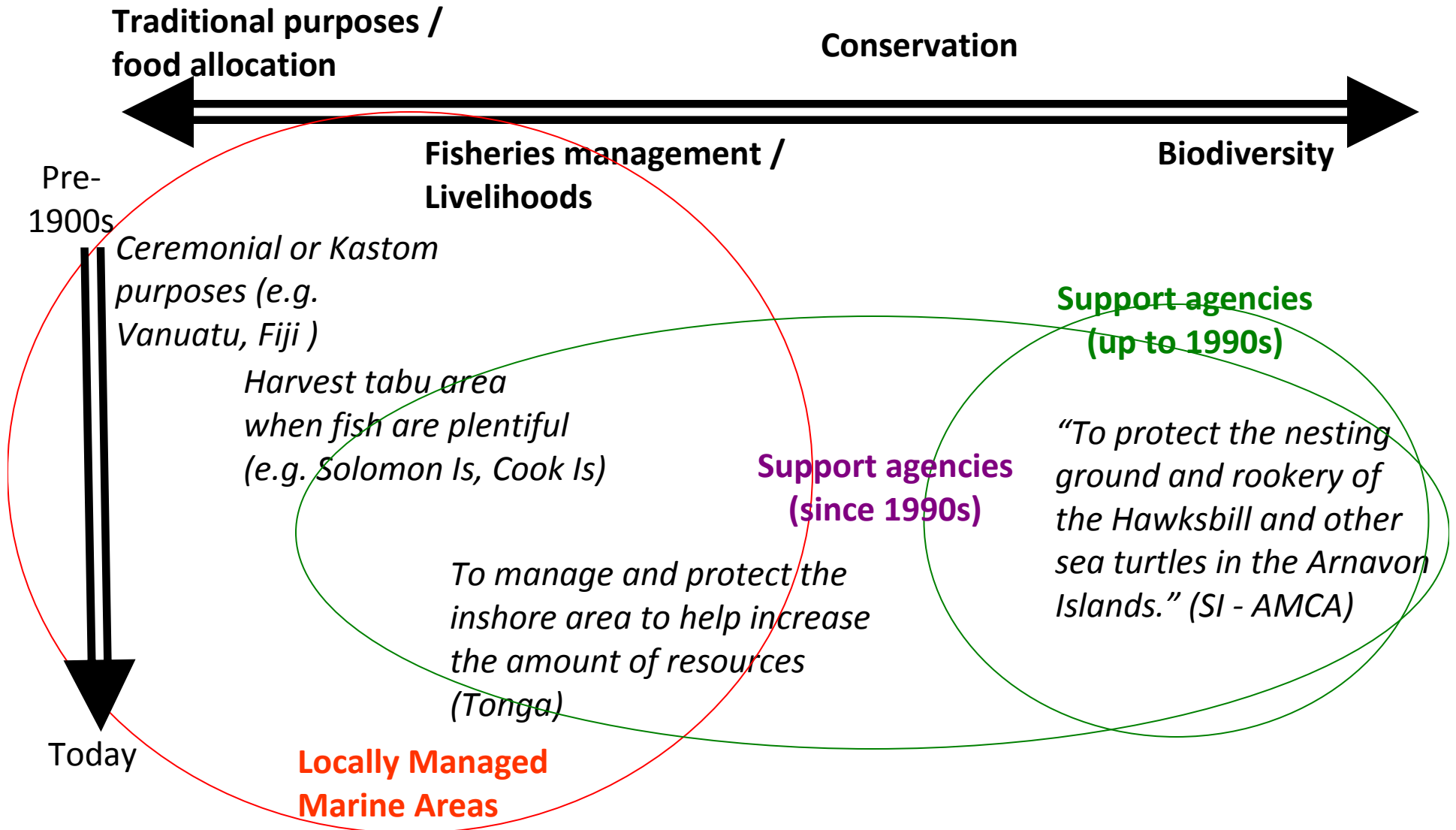
# Governance types

spectrum – who decides and acts?



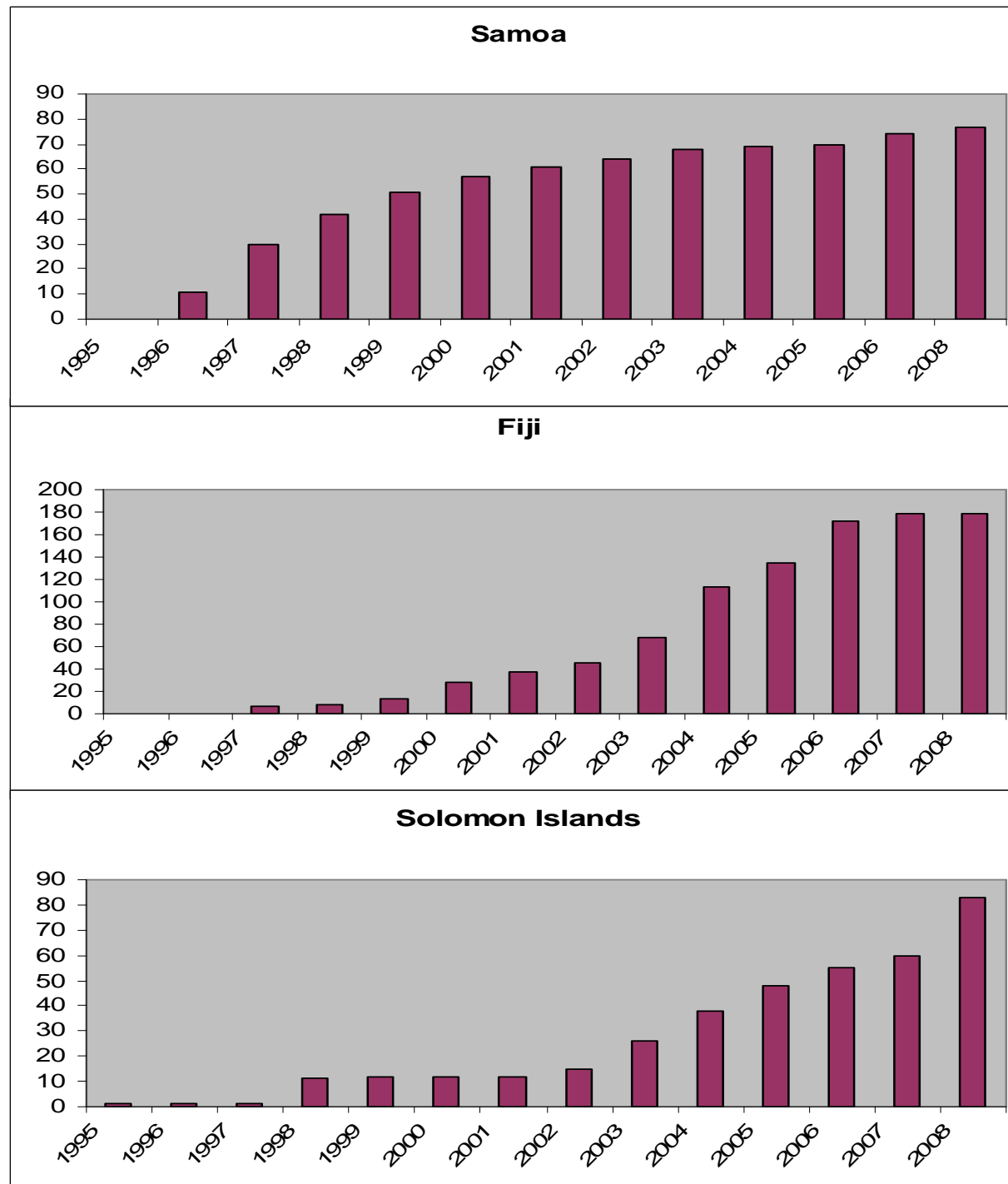
# Re-emergence of local management in the Pacific

## Who set the objectives?



Progress in  
locally  
managed  
marine areas

1995 - 2008



Source: Govan et al. 2009

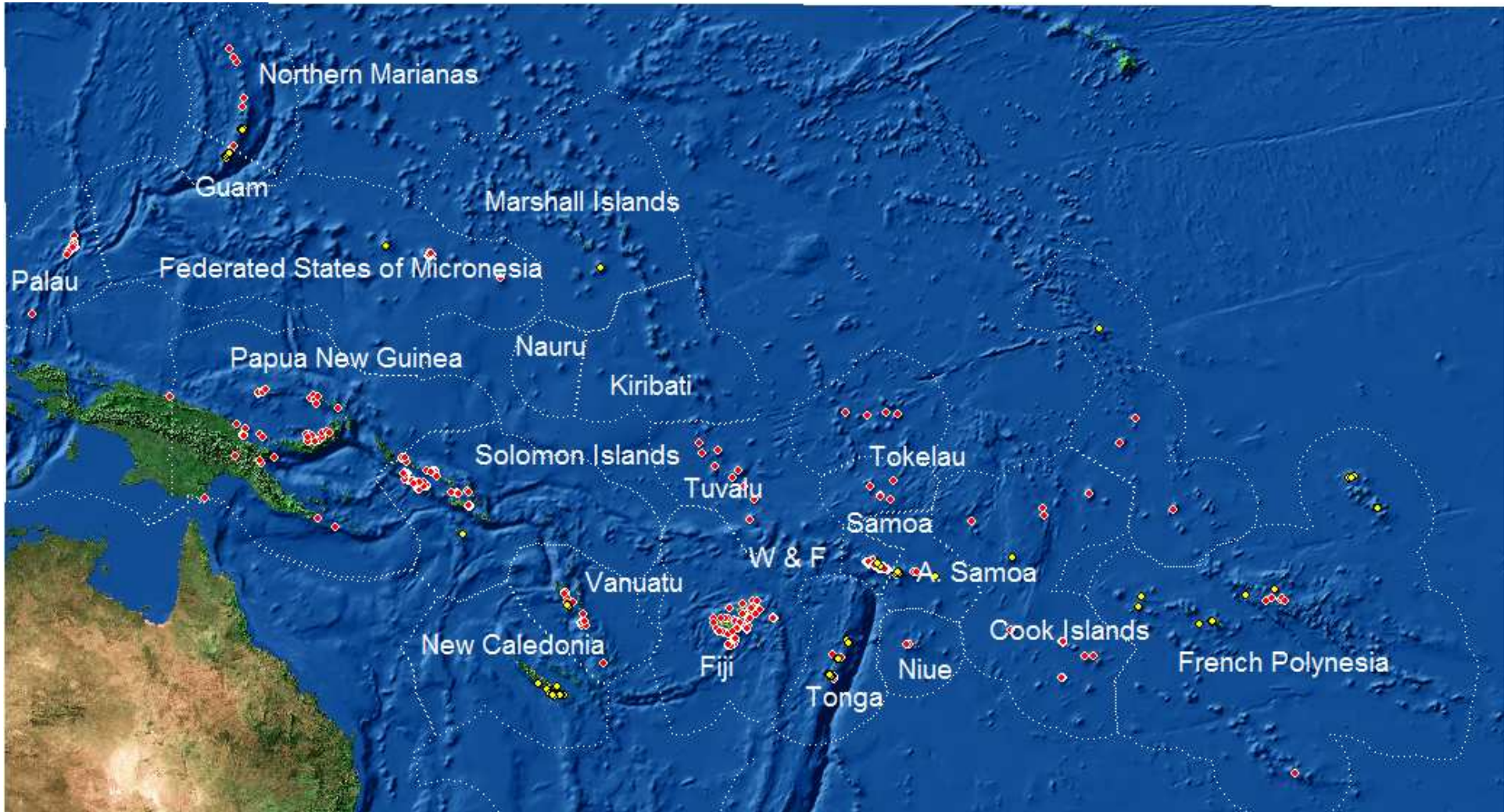


# IUCN matrix of protected areas **categories** and **governance types** (new IUCN Guidelines)

[illegible]



# Marine managed areas of the Pacific

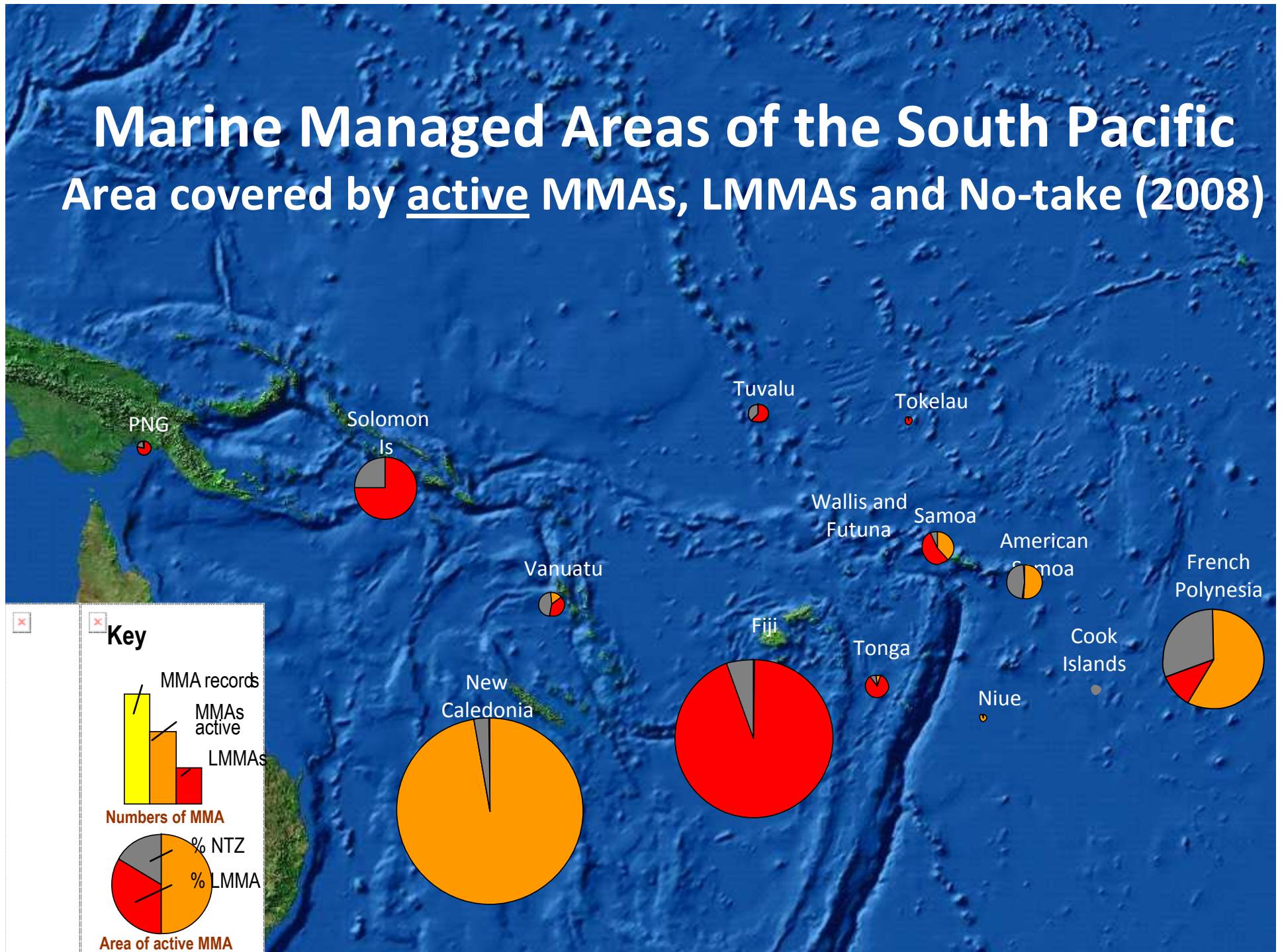


743 documented MMAs, those classified as “locally managed” or type “D” shown in red (source Govan et al. 2009 and <http://pacificgis.reefbase.org>)



# Marine Managed Areas of the South Pacific

## Area covered by active MMAs, LMMAs and No-take (2008)



# Characteristics

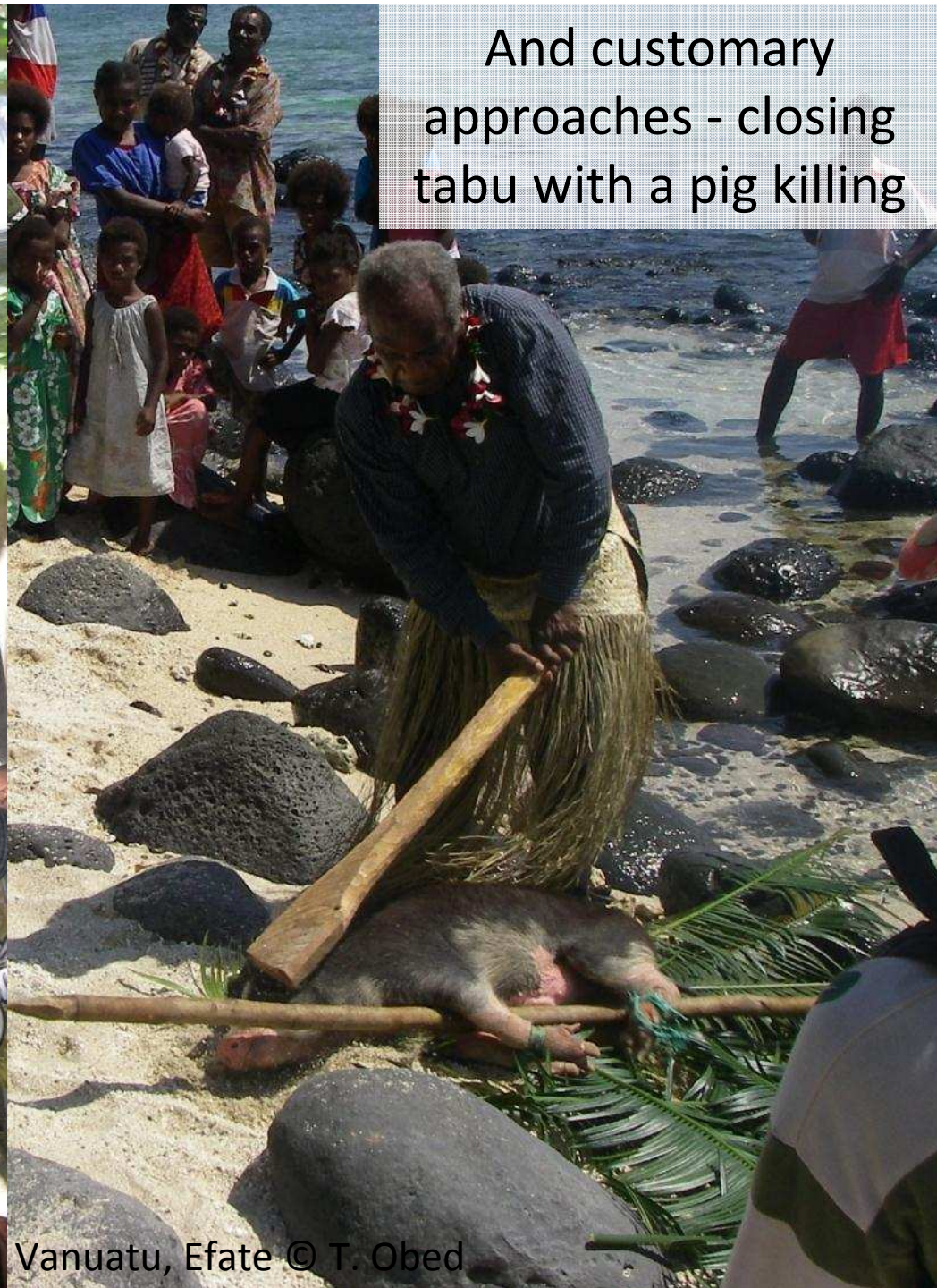
- Locally driven but some degree of shared governance with government (e.g. no gazettal of almost all Melanesian managed areas but government support)
- May include whole traditional area (*vanua*, *enua*, *puava* etc.)
- Usually include relatively small closed areas “taboos” which may be opened
- Driven largely by local livelihood or sustainable use considerations – very “hands-on”
- Some degree of combination of modern and traditional governance



Modern approaches -  
Signing management  
plan



And customary  
approaches - closing  
tabu with a pig killing



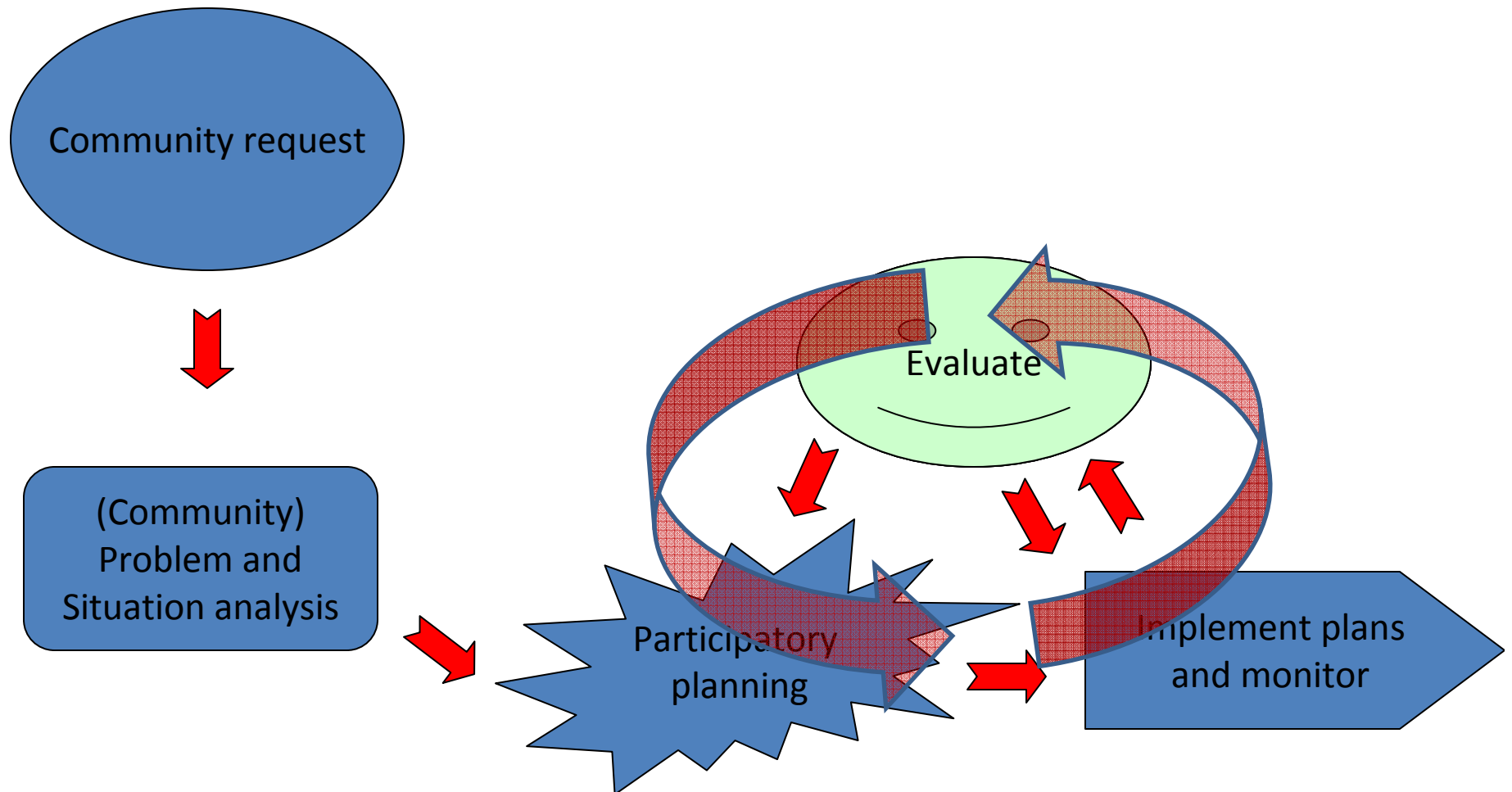
Vanuatu, Efate © T. Obed



# A workable site based approach for Pacific Island PAs?

- Promising approach to site based coastal -marine PAs – only cost effective approach under customary tenure conditions?
- Community tools (taboos) may need refinement or review – opening regimes?
- Terrestrial PAs still a challenge with less clear examples of the way forward - IMPORTANT
- But is it possible to build nation-wide approaches from these experiences?
- And if so, why just PAs and not other community and national needs? Climate change / Disaster risk reduction etc.

# Community Based Adaptive Management



# Some capacity challenges at the national level

- Role of government - coordinate and support nation-wide through institutional and legal means
- Compatibility with international paradigms and processes e.g. IUCN PA definition and principles (2008), WDPA or other lists?
- Multi-sectoral collaboration to achieve effective and integrated management/sustainable development. Combining fisheries, biodiversity and livelihoods interests – fisheries MPAs? CCA?



# Further information

- Good coastal management practices in the Pacific: experiences from the field. <http://bit.ly/pmXXtU>
- Status and potential of locally-managed marine areas in the South Pacific. <http://bit.ly/lQrqiF>
- Marine Managed Areas layer in: Pacific Reefbase <http://pacificgis.reefbase.org/>
- Traditional Marine Management Areas of the Pacific. <http://bit.ly/kNn2Pv>
- Can the IUCN Protected Area guidelines (2008) support Pacific Island approaches to conservation? <http://db.tt/Sborpzcf>
- Reimaanlok. Marshall Islands. <http://bit.ly/isFqa4>
- Towards Integrated Islands Management, Solomon Islands, implementation of national approaches to resource management <http://bit.ly/kwA8ee>
- Lessons learned in Community based Adaptive Marine resource management, Solomon Islands. <http://bit.ly/9Ga9Xs>
- LMMA Network <http://www.lmmanetwork.org/>
- PIMPAC <http://pimpac.org/>

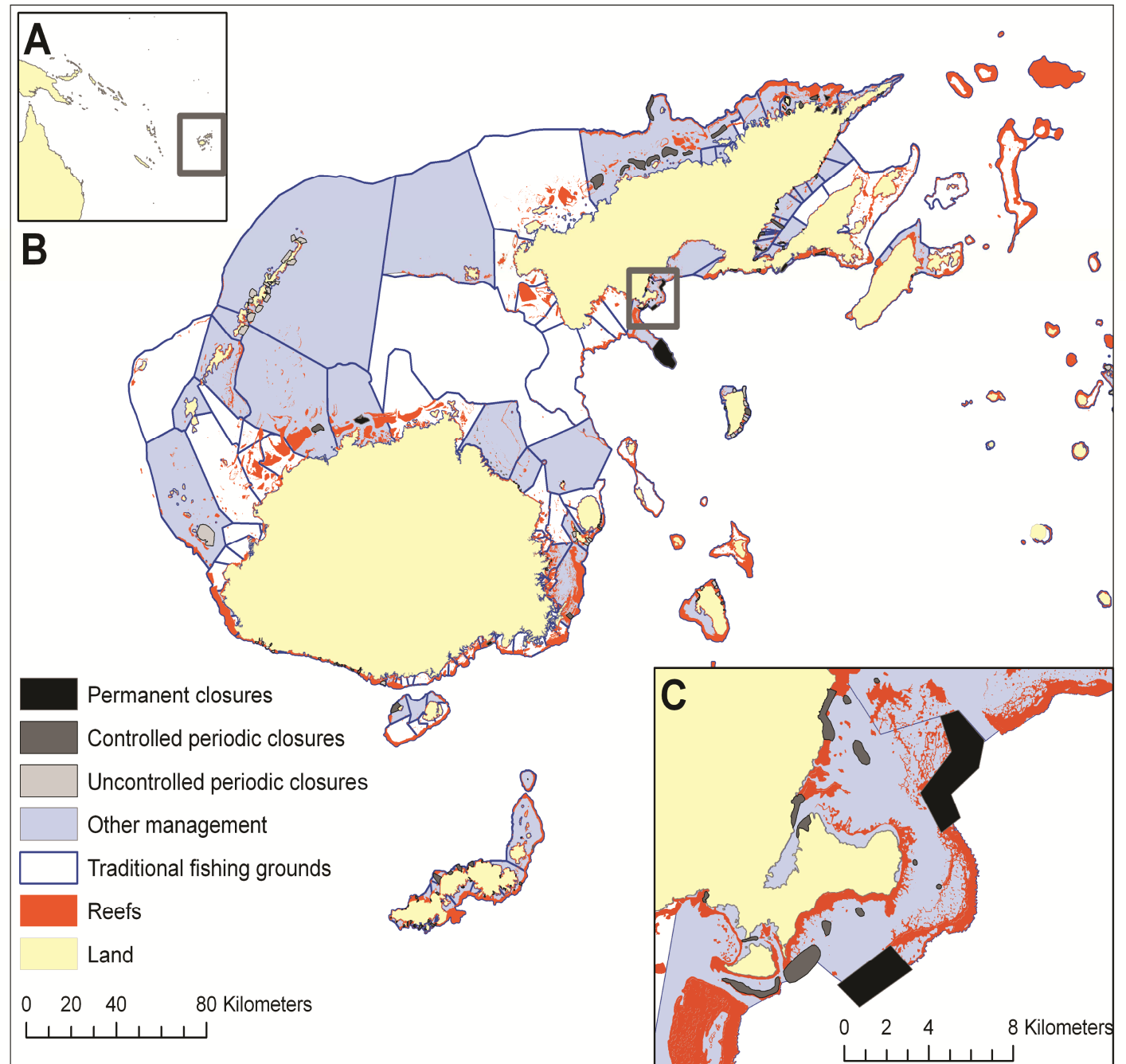
[hgovan@gmail.com](mailto:hgovan@gmail.com)



Tarawa, Kiribati

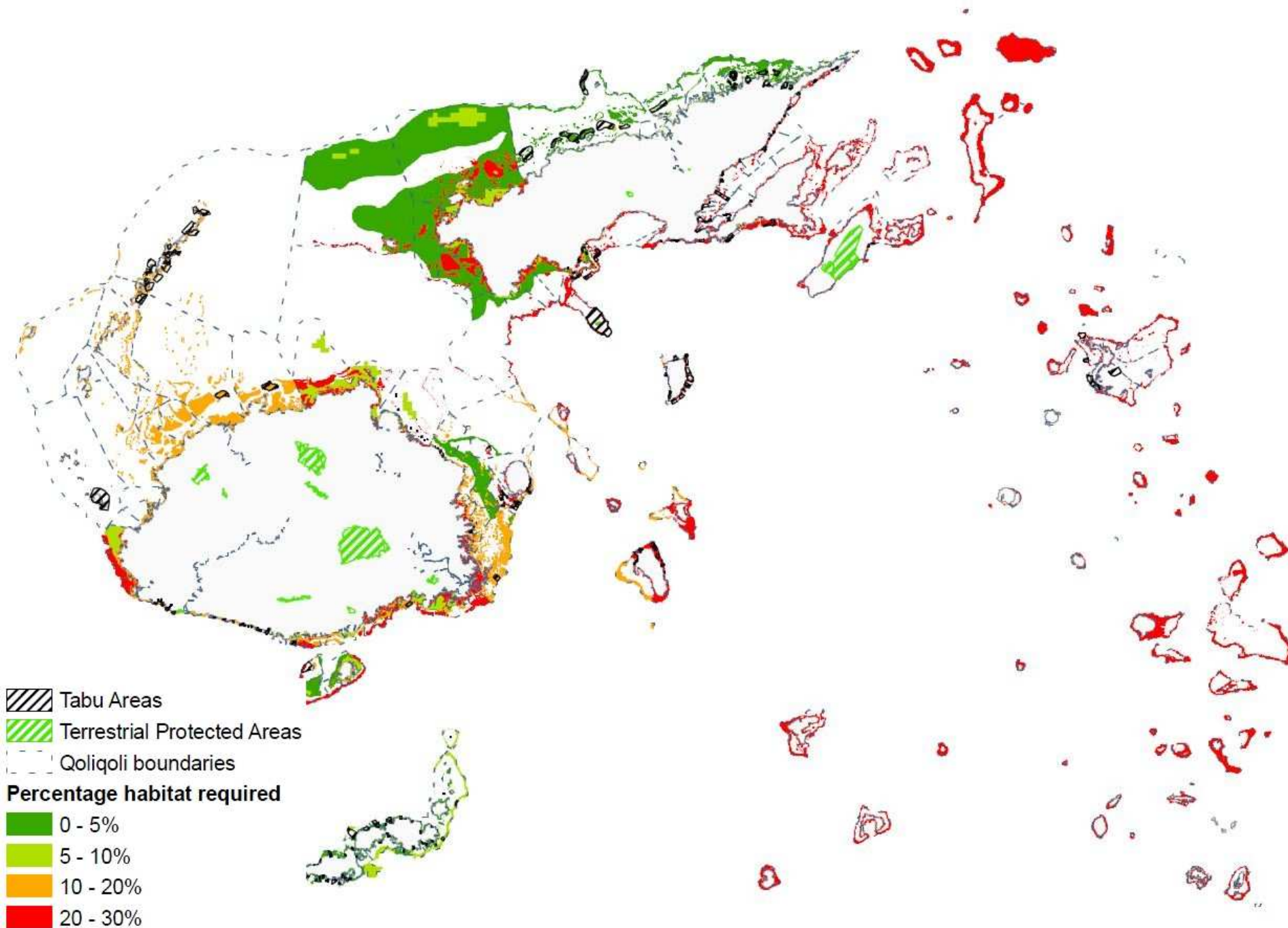
Conservation planning can be carried out with community based fisheries management and tabus.

FLMMA example (Mills et al.)



Map: Morena Mills and FLMMA

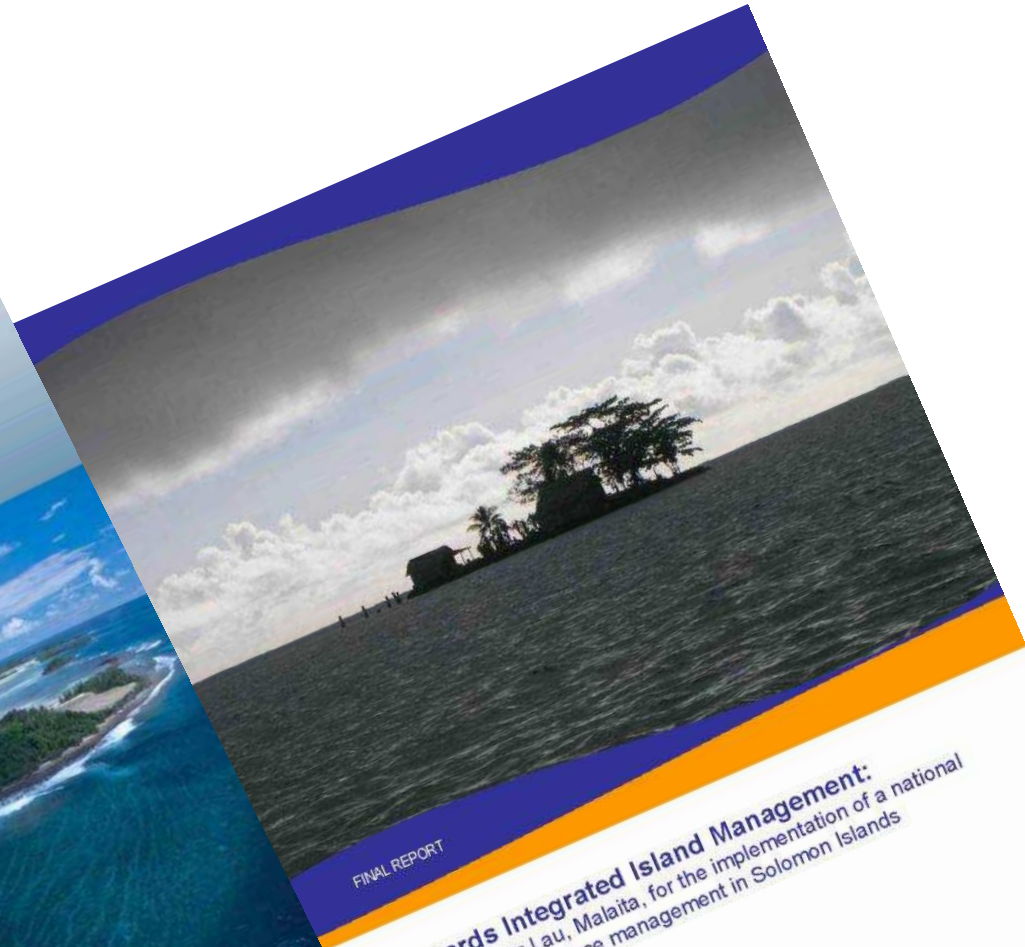
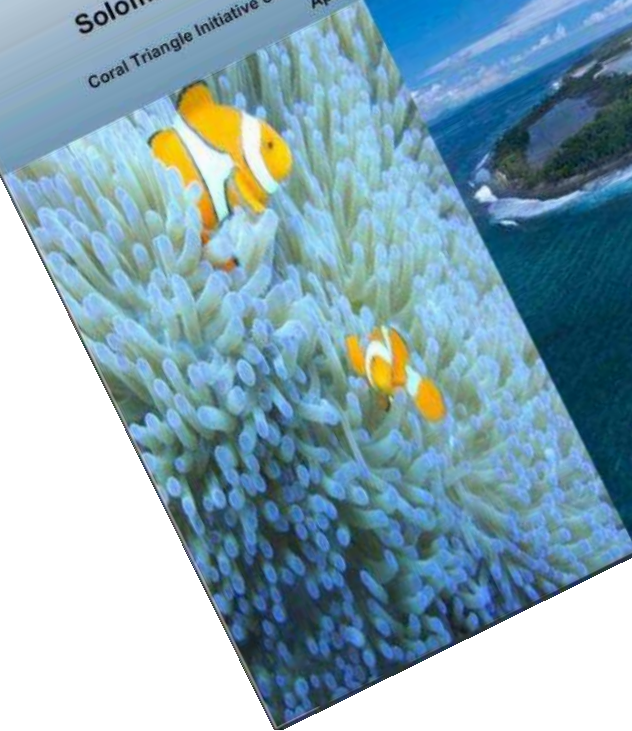






# Solomon Islands National Plan of Action

Coral Triangle Initiative on Coral Reefs, Fisheries and Food Security  
April 2010



FINAL REPORT

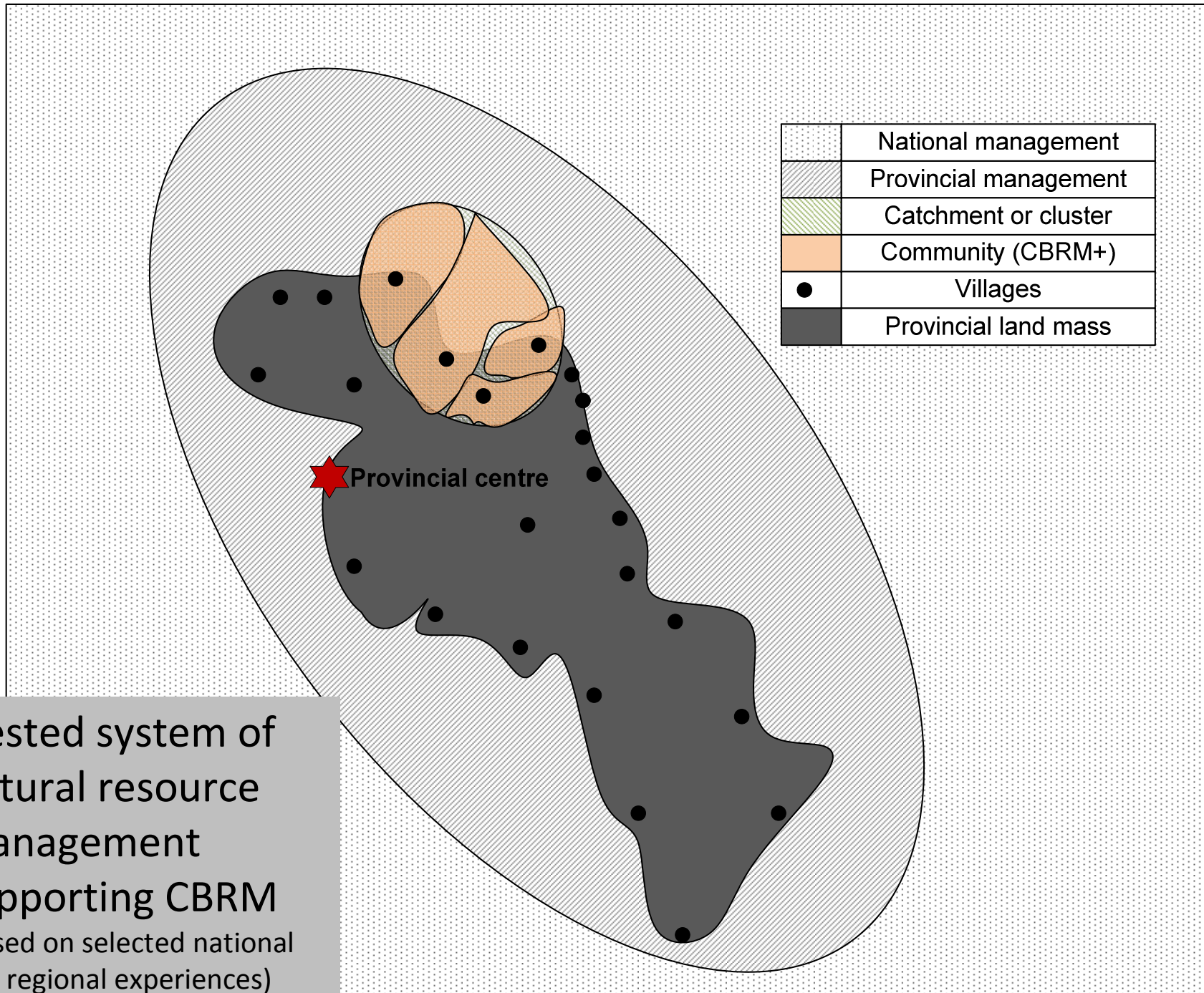
## Towards Integrated Island Management:

Lessons from Lau, Malaita, for the implementation of a national approach to resource management in Solomon Islands

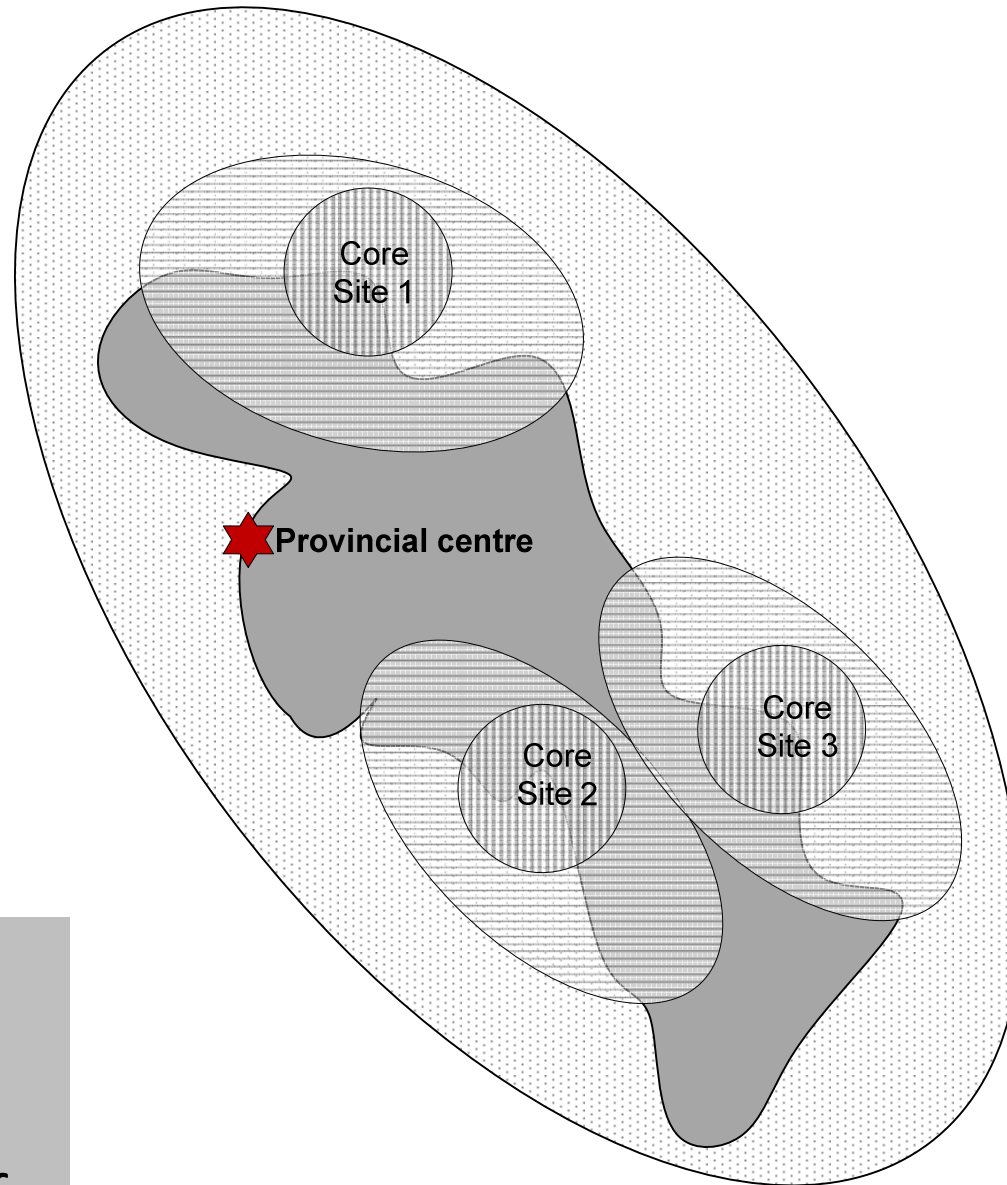
WorldFish Center Report to SPREP  
January 2011  
Hugh Govan, Anne-Maree Schwarz, Delvene Boso


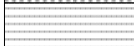







Example of  
strategic  
support and  
deployment of  
IIM



	Management area of Core Site
	Area of influence of Core Site
	Provincial media and information coverage



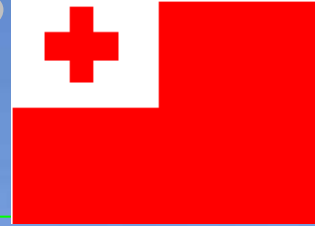


# Reimaanlok

Looking to the Future

National Conservation Area Plan for the  
**Marshall Islands**  
May 2008

# Marine Managed Areas in Tonga



- All land and sea areas belong to Crown
- Fisheries management Act 2002
- SMA regulations

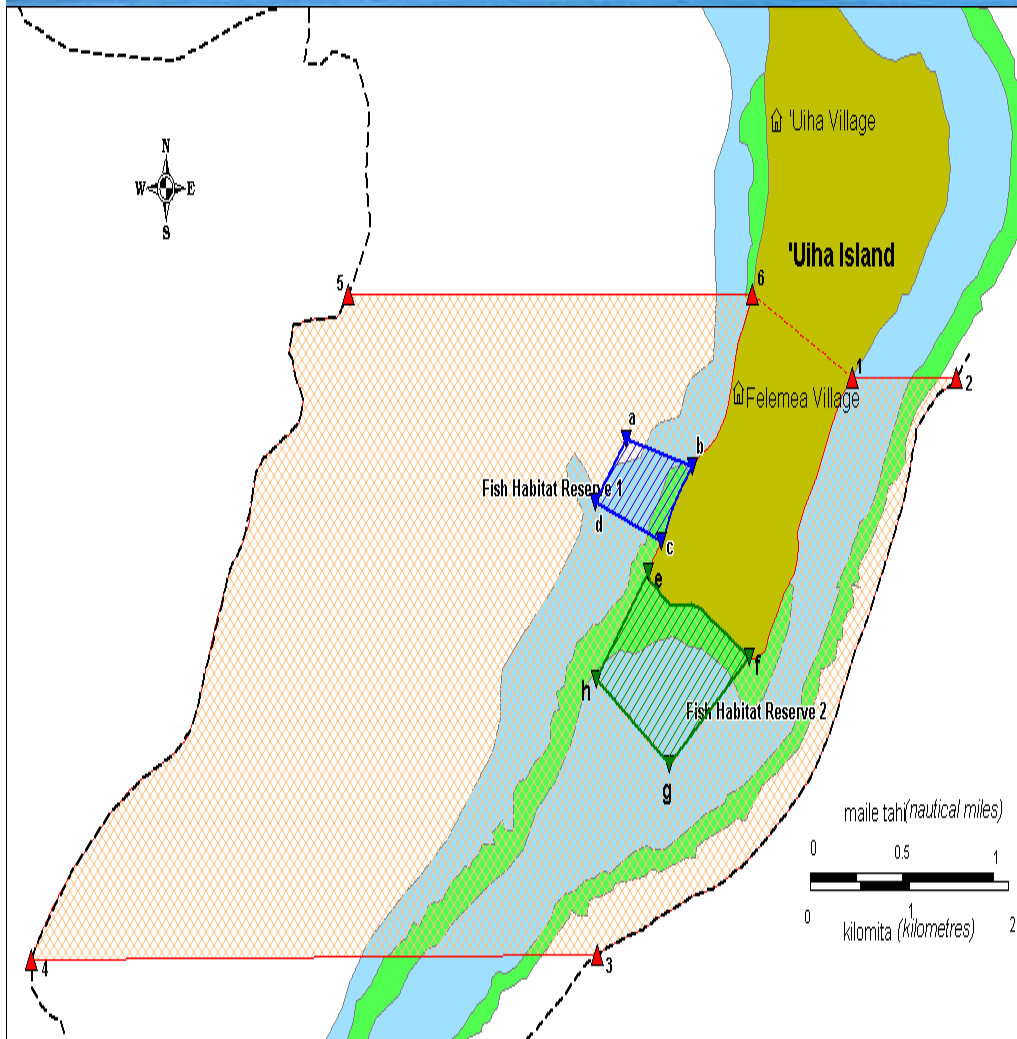
*opportunity for coastal communities to take an active role in managing their inshore marine resources.*

Siola'a Malimali  
Community Development & Advisory Services  
Fisheries Division  
TONGA





# Fish Habitat Reserve (“Tapu” area)



- An area where strictly NO FISHING is permitted to ANYONE (“tapu” area / “no-take” zone)
- Each community is willing to set aside such an area to protect fish and their habitat so they may grow and breed undisturbed in a healthy marine environment
- ~15% of the SMA area
- Some have buffer zones outside the area



Moturiki, Fiji

# What are some of the support options?

- National lessons learning (really)
  - National review and analysis
  - National and provincial networks
  - Participatory policy development – from practice to paper
- Regional networks and exchanges
  - LMMA network
  - PIMPAC
  - CTI?
- Regional organizations
  - SPREP, SPC, NGOs: Specific studies, training, long term support and mentoring





Marou, Vanuatu

# Subregional groups

Each group to identify, by subregion:

- 2-3 key protected area approaches developed for the national context
- 2-3 key challenges for establishing and supporting marine and terrestrial protected areas



# Subregional groups

Each group to identify, by subregion for (a). protected areas (b). resource management in general:

## NEEDS

- Key legal support needed if any (laws, judicial systems, policing)
- Key institutional needs for supporting community / local protected areas (specifics of manpower, budget etc)

# Subregional groups

Each group to identify, by subregion for (a). protected areas (b). resource management in general:

## SOLUTIONS

- Opportunities for collaboration or sharing the burden with other national institutions or organizations
- Additional capacity building or institutional strengthening needs: What and Who could provide?

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