



Assisting Partners in Micronesia to Adapt to Climate Change

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**Pacific Islands Environmental Conference
Saipan, CNMI
23 June 2009**

Overview

- **TNC's Micronesia Program**
- **Defining the problem**
- **Potential solutions**
- **Conclusions**

The Nature Conservancy

- **Science-based**
- **Work collaboratively**
- **Conservation by Design**

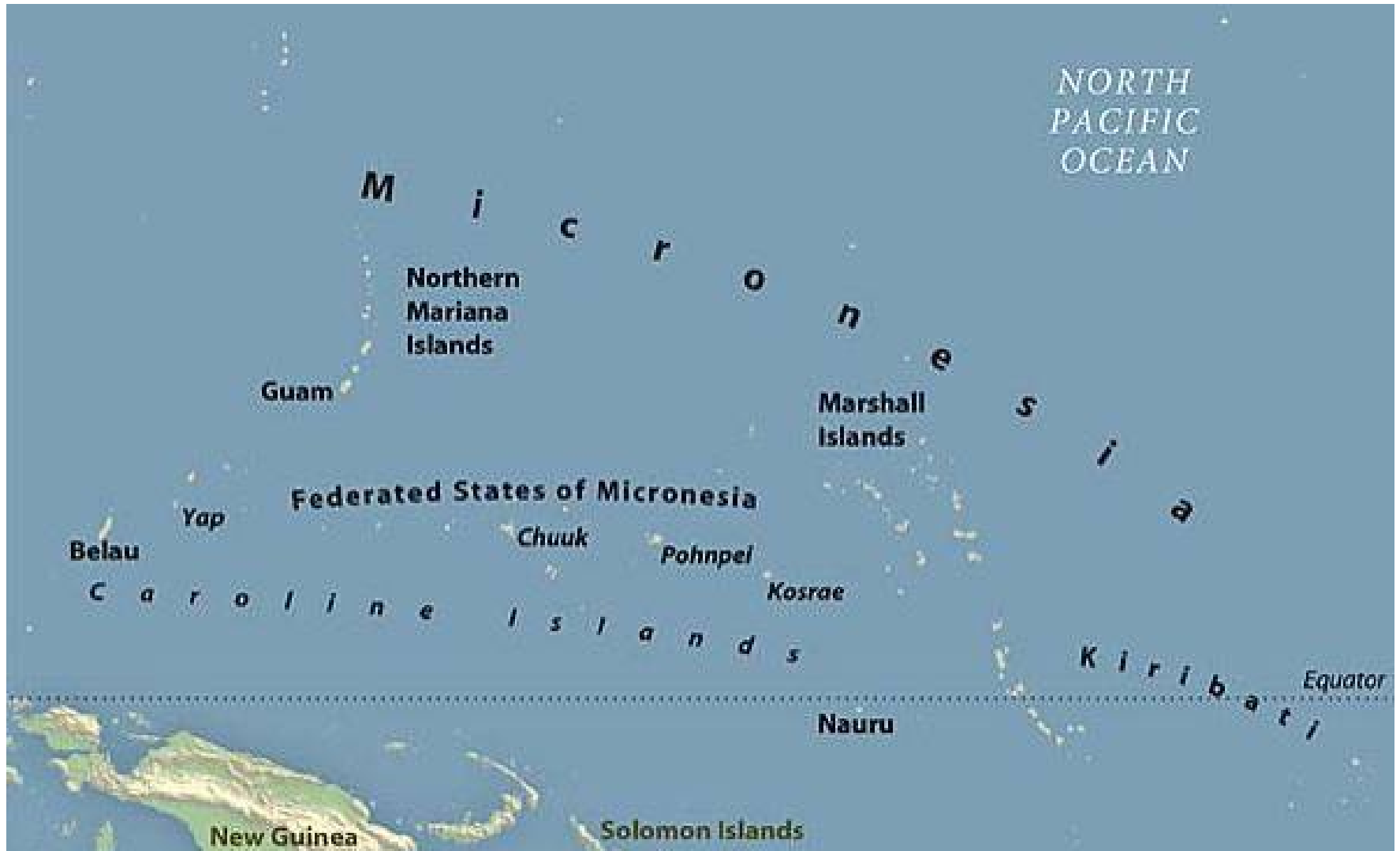


Where We Work

- **32 Countries in 5 regions**
- **1990: Palau office opened**
- **1992: Pohnpei office opened**
- **2002: Expanded to create Micronesia Program**



Micronesia Program



Defining the problem

- **Climate change happening at unprecedented rate**
- **Primary drivers**
 - increased concentrations of greenhouse gases, (e.g. CO₂) in the atmosphere
 - 90% due to fossil fuel use and forest loss and degradation [\[1\]](#)
[\[1\]](#) IPCC
- **Big issues for Pacific Islands**
 - Increasing sea surface temperatures
 - Rising sea level
 - Ocean acidification



Potential solutions

- **Reduce the pace and severity of climate change**
- **Manage for its impacts in ways that protect the biodiversity and benefit human welfare**
- **Generate resources for conservation**



Reduce the pace and severity of climate change

- **Assist Pacific Island countries at UNCCC and UNCBD meetings**
- **Work with other BINGOs to influence stronger CC policies in big industrial nations**
 - **REDD**
 - **Stronger emission reductions**
 - **Cap and Trade**



Manage for CC impacts

- **Protected Area Network Design**
 - Resilience model
- **Site-based planning**
 - CAP and management planning
 - Monitoring
- **Peer-learning networks**
 - PIMPAC, MIC

RESILIENCE MODEL

Representation and Replication

Habitat Types
Multiples



Risk Spreading



Refugia

Resistant Communities
Spawning Aggregations



Secure Sources
of Seed



Connectivity

Transport



Replenishment



Effective Management

Strong Recruitment



Enhanced Recovery



RESILIENCE

Generate resources for conservation

- **Inclusion of nature-based adaptation eligible for CC funding**
- **Micronesia Challenge**
 - **Sustainable finance plans**
 - **Business / fundraising plan**

Conclusions

- **Climate change is one of the biggest threats facing Pacific Islands today**
- **To lessen the severity of impacts, emissions must be reduced**
- **Communities and nature must find ways to adapt**
- **TNC provides assistance with policy, science, planning, coordination, and sustainable finance at many levels**



**Kalahngan
Kamagar
Kilisou Chapur
Kommol Tata
Kulo Mulalap
Mesulang
Olomwaay
Si Yu'us Ma'ase
Thank You**

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