



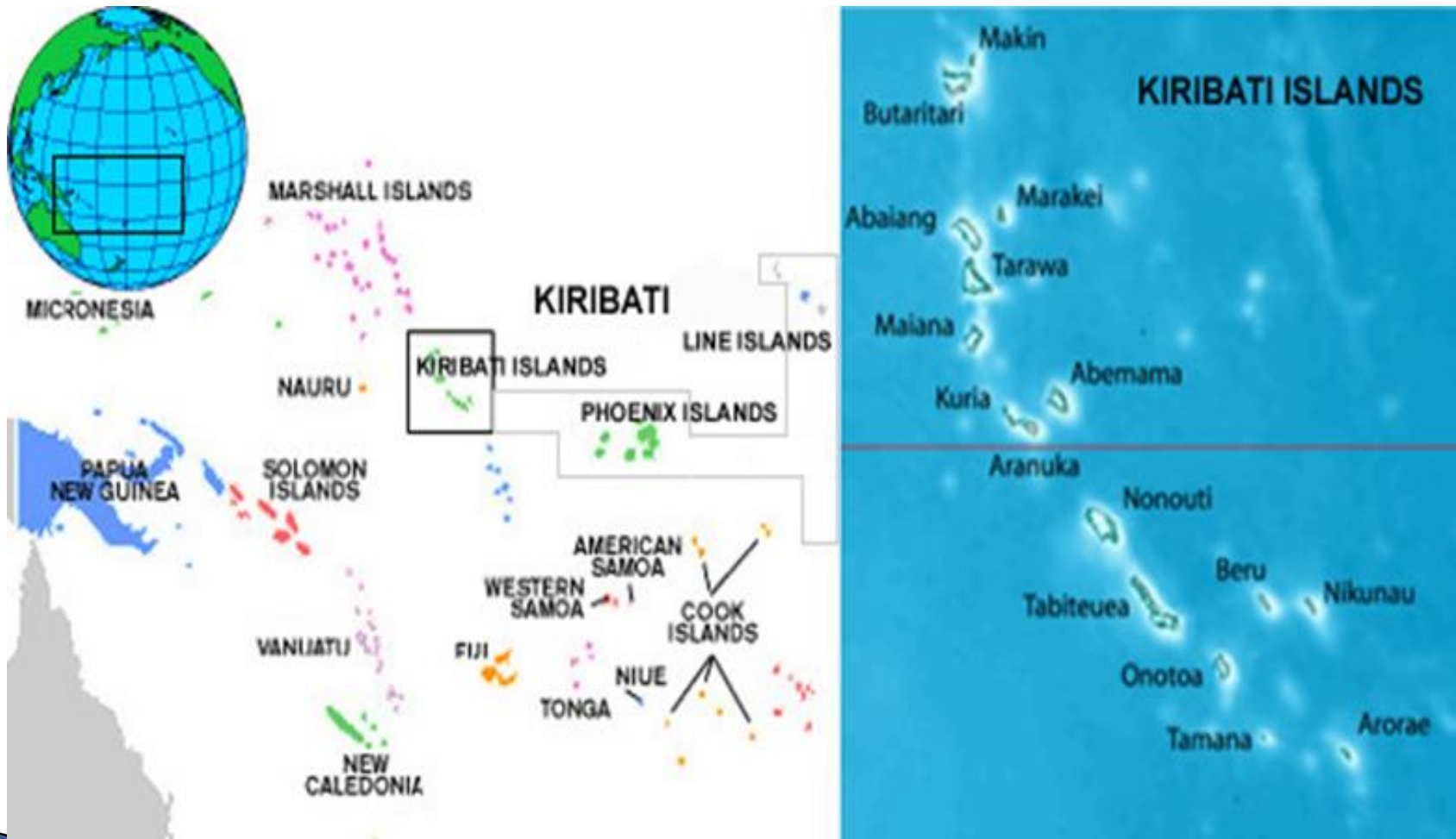
# Making Coastal Infrastructure Climate- resilient: Timeframes for Success

**Republic of Kiribati**  
**Central Pacific**

Ms. Mimitong Kirata, Mr. Benjamin Tokataake and  
Mr. Michael Foon

Climate and Disaster Resilience: Practical Solutions–SISRI Workshop  
21–23 May 2017, Cancun, Mexico

# Location and Landscape



# Coastal erosion

Infrastructure affected



Landscape affected



Inundation



# Damage to Infrastructure

## ▶ Local seawall



## Maneaba



## Causeway



# Solutions: Activities undertaken

## ▶ Hard Solution: Modification of seawall

Building stones



Sand-bags seawall



Mass concrete seawall



# Soft solutions: Re-vegetation

- Mangrove planting and outreach on outer islands
  - 33,611 mangroves planted, 1,005km of coastline protected
  - Community members trained on picking and planting



# Soft solution (cont'd)



Controlling of beach sand mining



Deep sea sand mining  
TACL

# Policy and Planning on Coastal Management

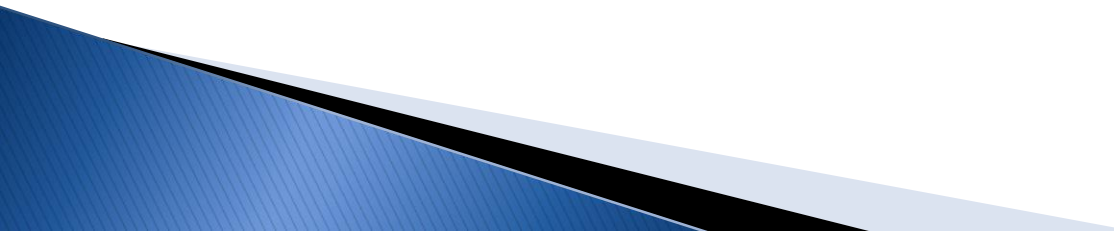
## Community based Mangrove Management Planning:

- Public consultations
- Policy development





# Remaining Gaps

- ▶ Public Assets Management (**starting in 2017**)
  - ▶ Public awareness and communication – **ongoing**
  - ▶ Relocation of affected communities – **ongoing**
  - ▶ Migration with Dignity – **ongoing**
- 

# Remaining Gaps (continued)

- ▶ Temaiku Village Pilot Project: raising land surface 3–4m above existing level (supported by NZAid) – **planning stage**
- ▶ Land reclamation – **conception stage**
- ▶ Financial support to local communities – **planning stage**

**Thank You**

