

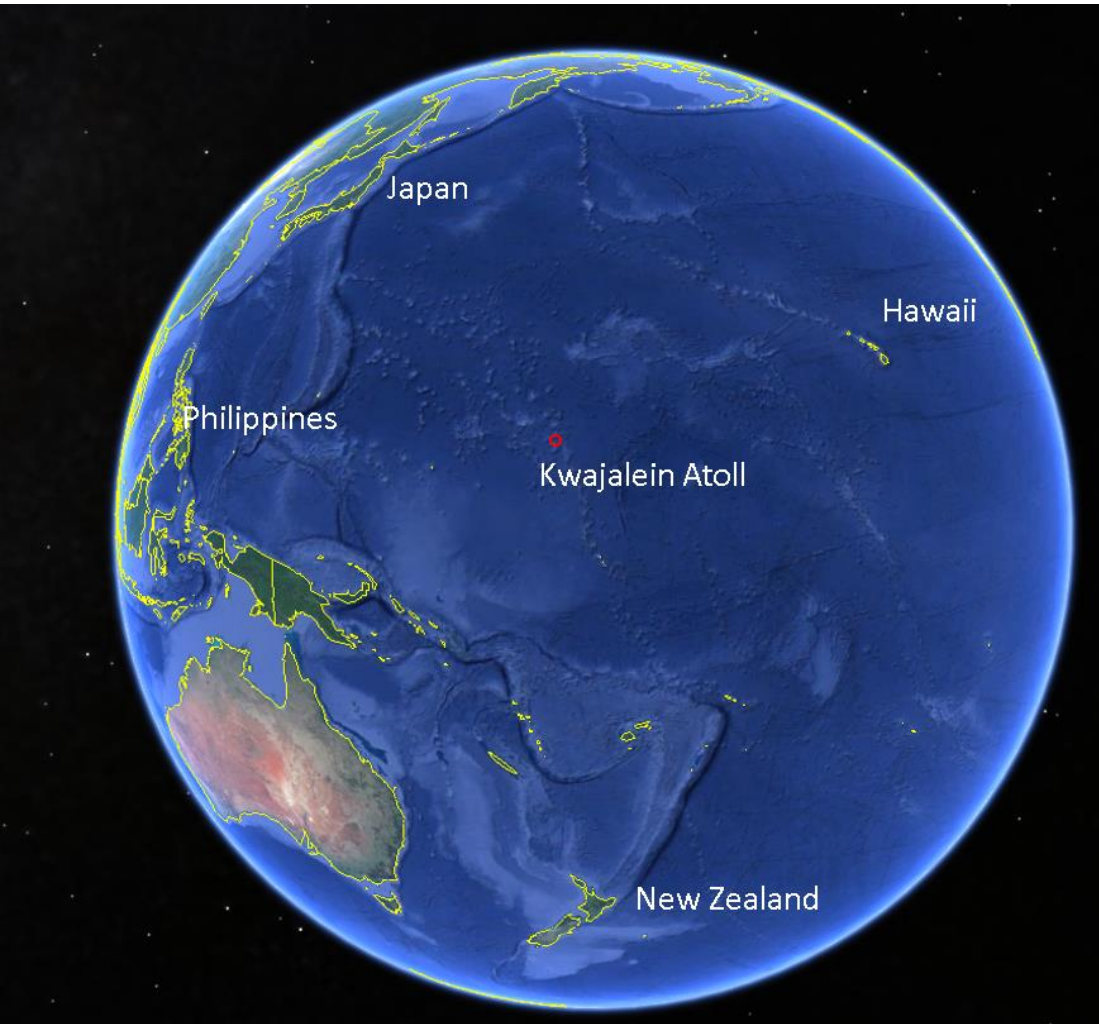


# KWAJALEIN ATOLL MASTERPLAN

PREPARED FOR:  
KWAJALEIN ATOLL  
DEVELOPMENT AUTHORITY  
(KADA)

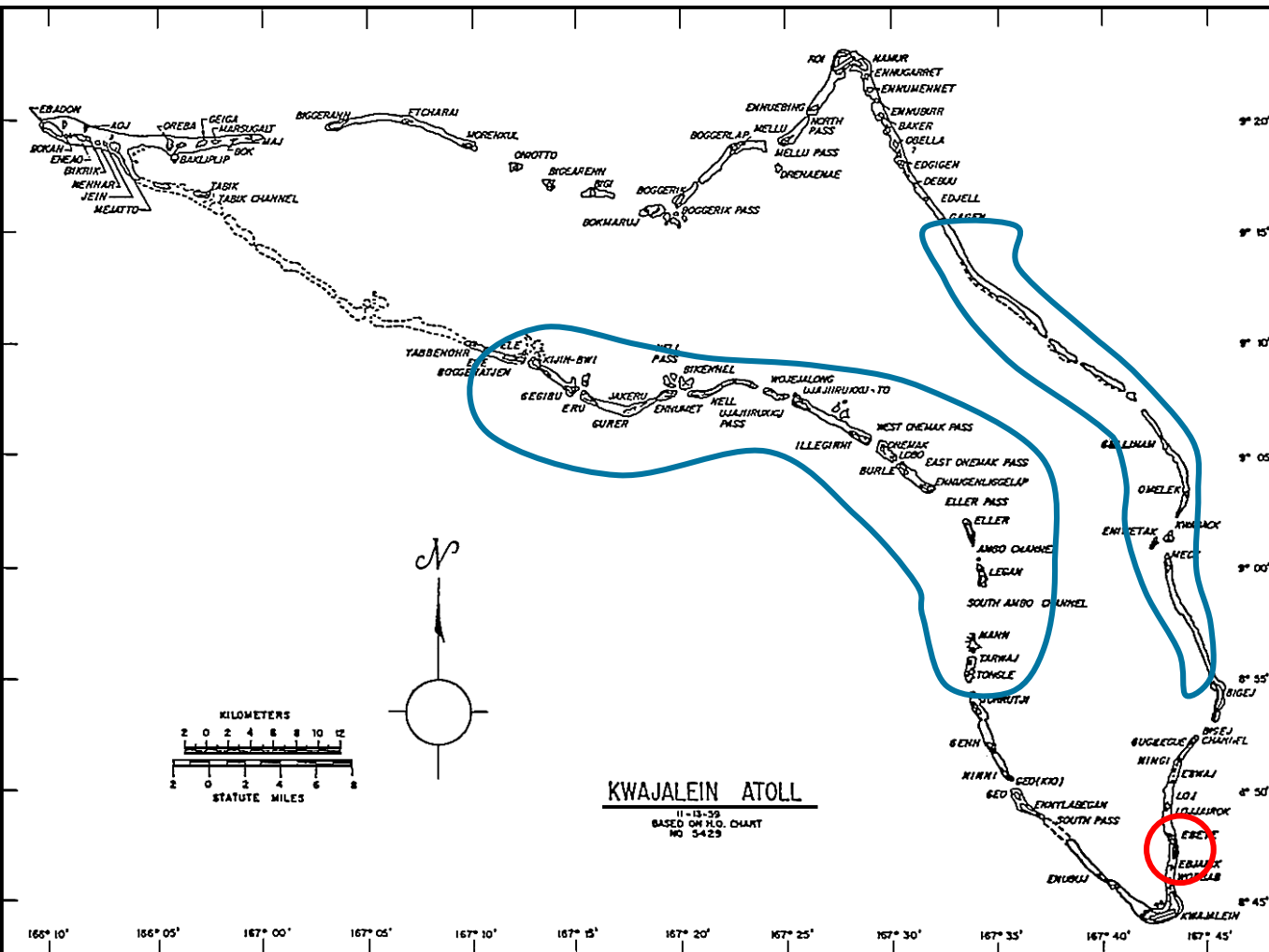
PRESENTED BY:  
JAIMAN PATEL

# LOCATION





# Kwajalein Atoll



Area: 2,174km<sup>2</sup>      Land Area: 16.45km<sup>2</sup>      11,000 people



# Context

**Client:** Kwajalein Atoll Development Authority (KADA).

**Deliverable:**

- Kwajalein Atoll Masterplan (KAMP)
- Infrastructure Development and Maintenance Plan (IDMP).

**Intent:**

- Enhance and improve the quality of life within the Atoll
- Responding to challenges of growth and development, power, climate change, livelihood etc.
- A tool to assist KADA to secure funding for development within the Atoll.

**Funding:** Direct from KADA through Compact Funding.

# Core Team



Graeme Roberts:  
Job Director



Carl Lucca:  
Planning & Urban  
Design



Adam Fraser:  
Environmental & Social  
Planning



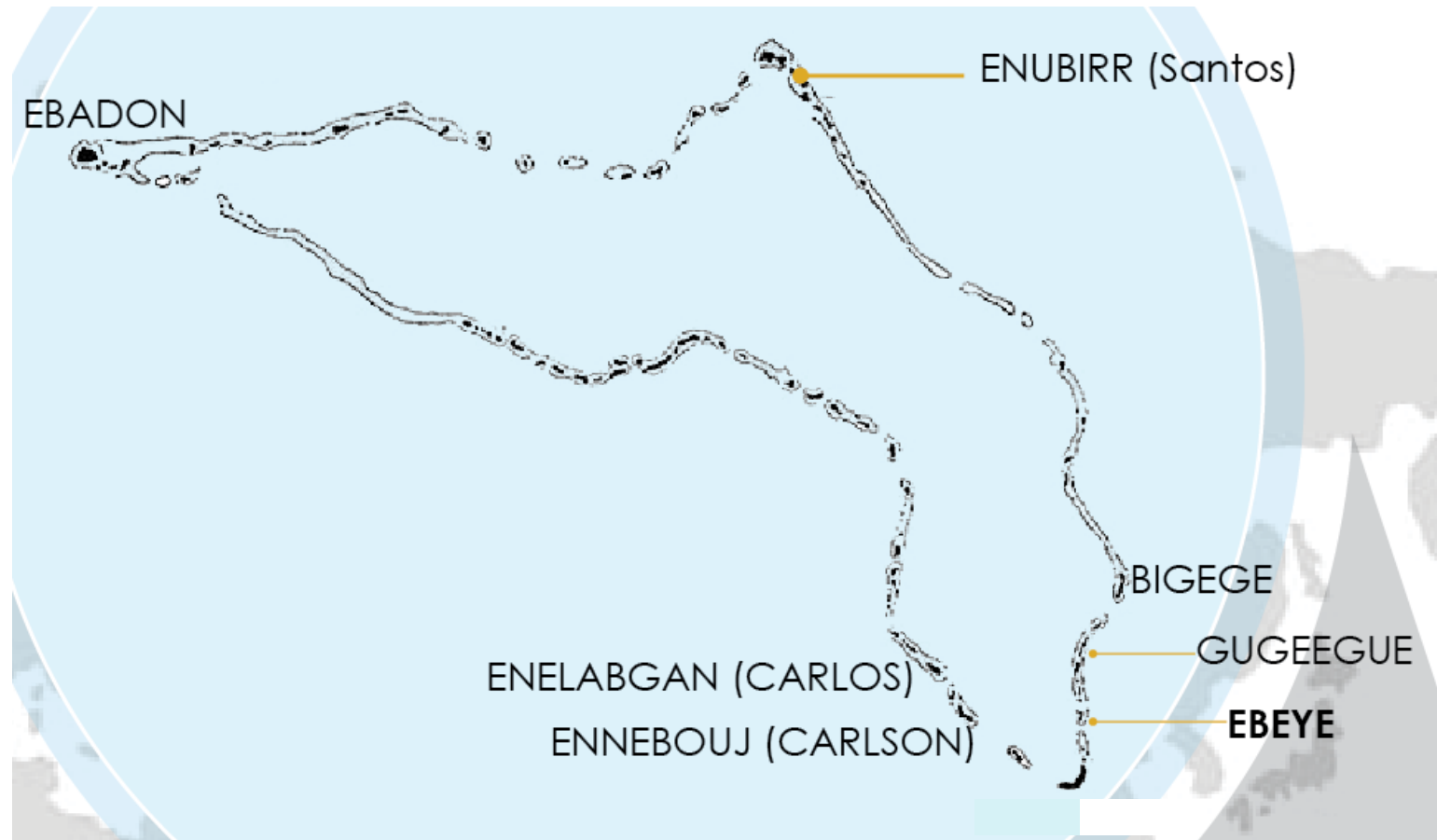
Jaiman Patel:  
Planning & Urban  
Design





## Areas covered in Masterplan

- Major focus on **Ebeye**
- **Gugeegue** to relieve pressure from Ebeye
- **Enubirr Ebaddon, Carlos, Carlson and Bigege** to improve quality of life for residents





## Visit One

- Assess the local context of Ebeye and surrounding islands
  - Meetings with stakeholders
  - First thoughts on projects required.
  - Identify and discuss quick wins and priority projects (PDPs)
- 

## Visit Two

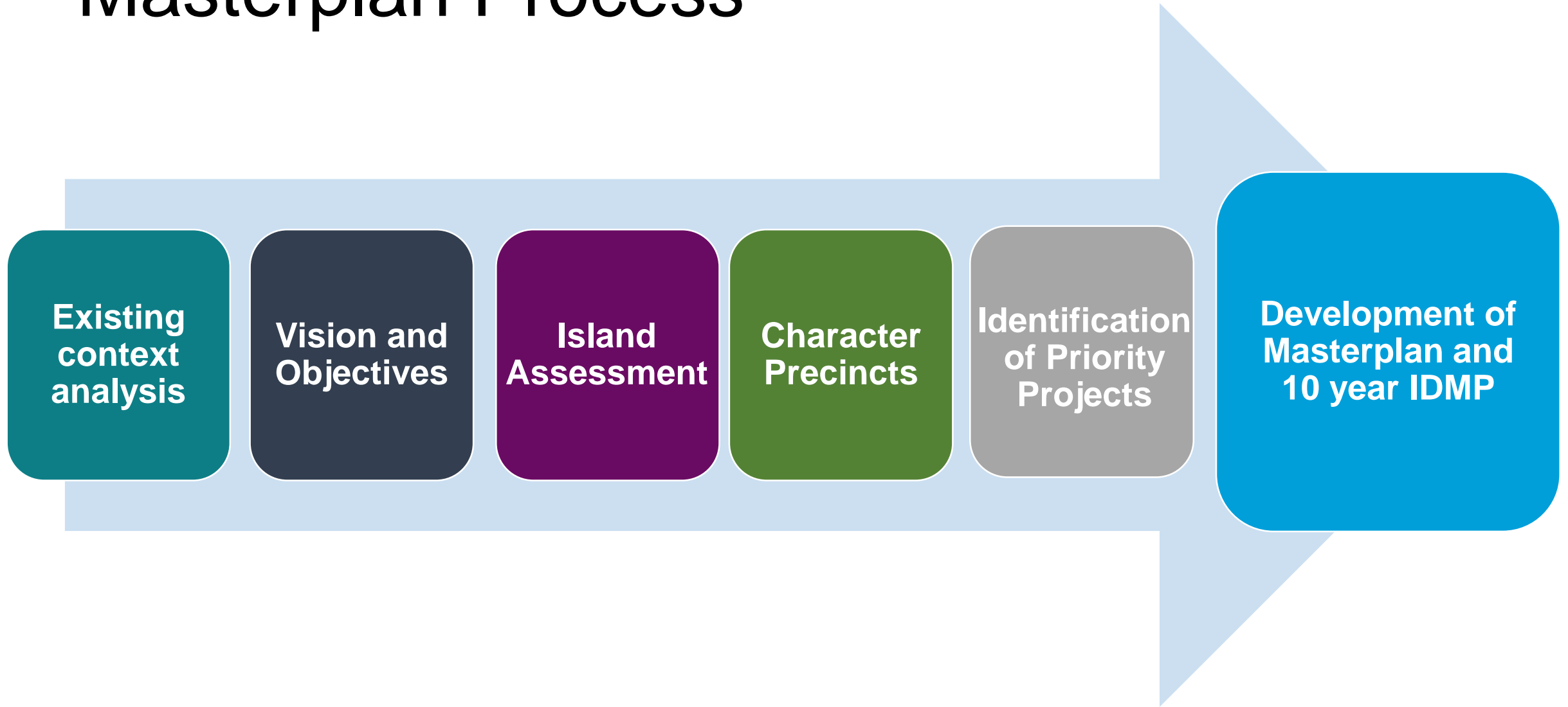
- Draft strategy and presentation of concepts and masterplan
  - Site visit to outer islands
  - Meet with government officials and community leaders
  - Prioritise projects with stakeholders
- 

## Visit Three

- Present Masterplan and IDMP to KADA board and Stakeholders



# Masterplan Process





# KWAJALEIN ATOLL VISION

To empower resilient and  
healthy communities within  
the Kwajalein Atoll



## KWAJALEIN ATOLL STRATEGIC OBJECTIVES

### Objective Themes



Climate Change



Sustainability



Health and Wellbeing



Infrastructure and  
Development



Education



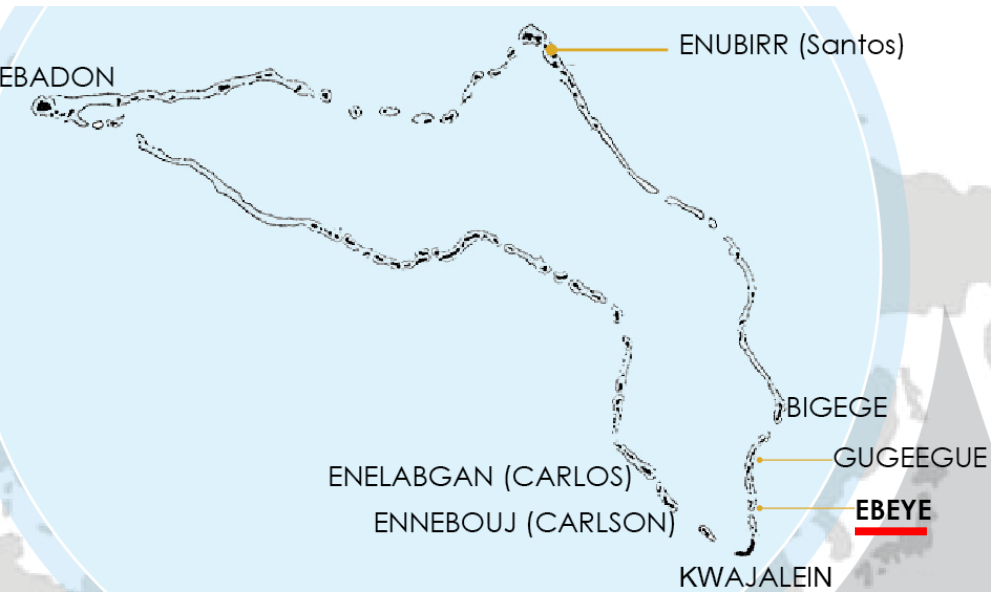
Quality Housing



# Ebeye

*E-Bye*

- Land Area: 32ha
- Population: 10,000
- Width: 200m (max)
- Length (2km)
- Split into 10 land parcels
- One overall island owner (Eroj)





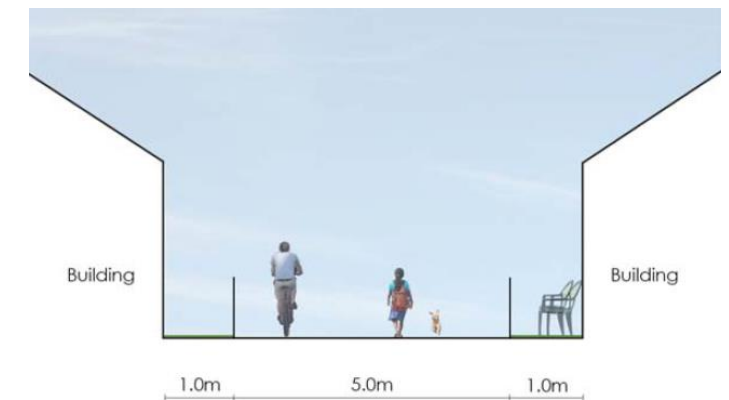
# Ebeye Development Plan

## Goals:

1. Improve the quality of life for people on Ebeye.
2. Enable improvements to social infrastructure

## Land use and Movement:

- Based on ground surveys
- Grass roots approach







Ebeye Island





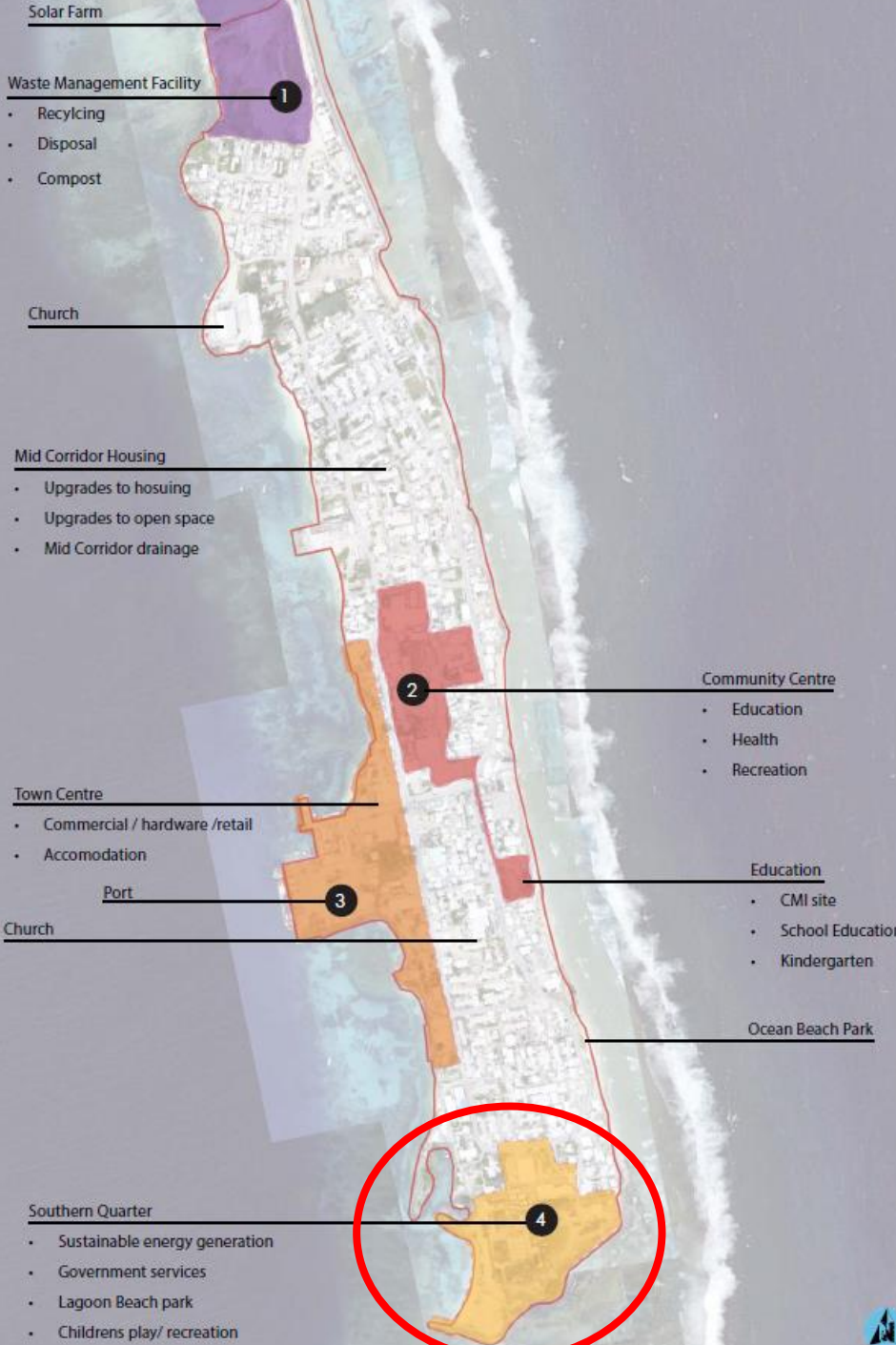
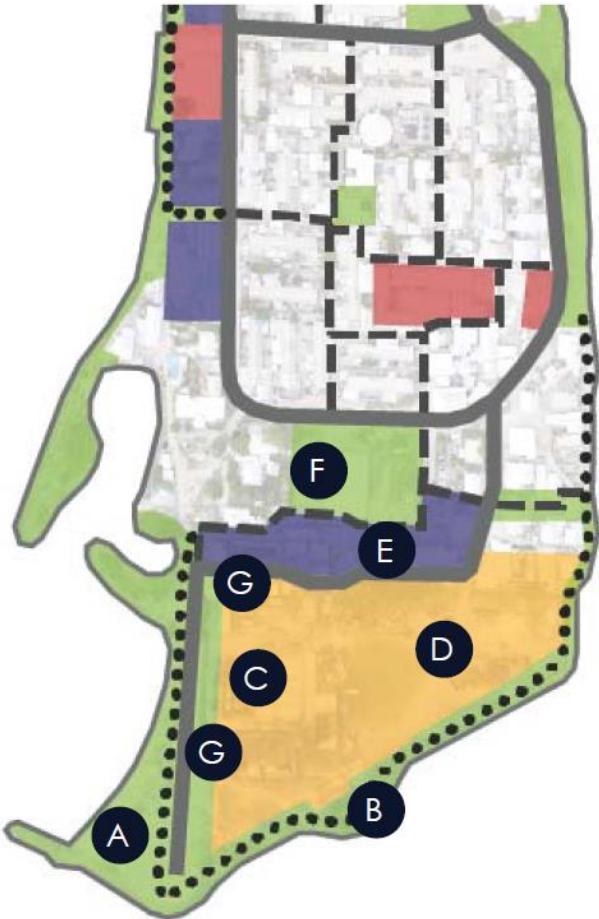




# Precincts



Southern Quarter Precinct





# Quick Wins





# Priority Projects



Ebeye - Gugeegue Causeway



		PROJECT OBJECTIVES					
Priority Development Projects (Projects which require a PDP)		 Climate Change	 Sustainability	 Health and Wellbeing	 Infrastructure	 Education	 Housing
1st	1.Ebeye - Gugeegue Causeway	✓	✓	✓	✓	✓	✓
	2. Ebeye Power Station	✓	✓	✓	✓	✓	
2nd	3.Hospital maintenance Assessment and Upgrade		✓	✓		✓	
	4.Ebeye Kindergarten upgrade		✓	✓		✓	
	5.Renovation of Ebeye Central Community Centre		✓	✓			
	6.Ebeye CMI development		✓	✓		✓	
	7.Ebeye housing Improvements	✓	✓	✓	✓		✓
	8. Landfill and recycling upgrade		✓	✓	✓	✓	
	9.KalGov building upgrade			✓	✓		





Ebeye Island Dock



Ebeye Island – north camp



Ebeye Island



Ebeye Island





Ebeye supermarket – before supply ship



Ebeye supermarket – after supply ship

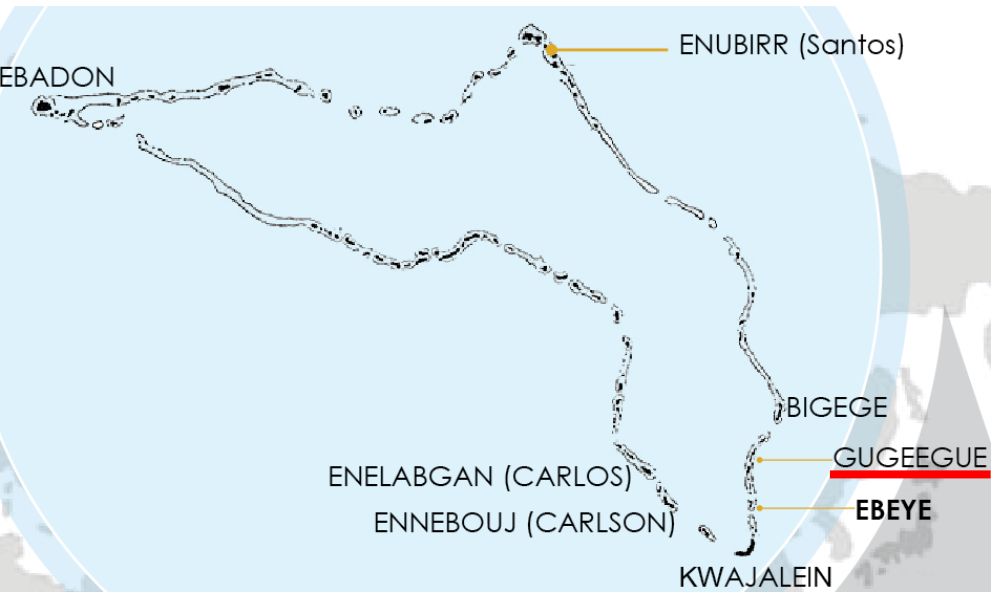




# Gugeegue

*Gu-Gee-Gu*

- Land Area: 24ha
- Population: 245
- Width: 160m (max)
- Two high schools
- Length 1.7km



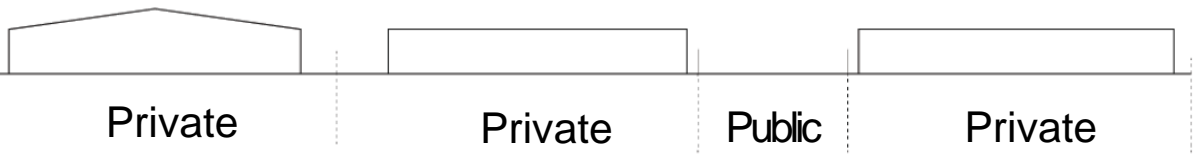




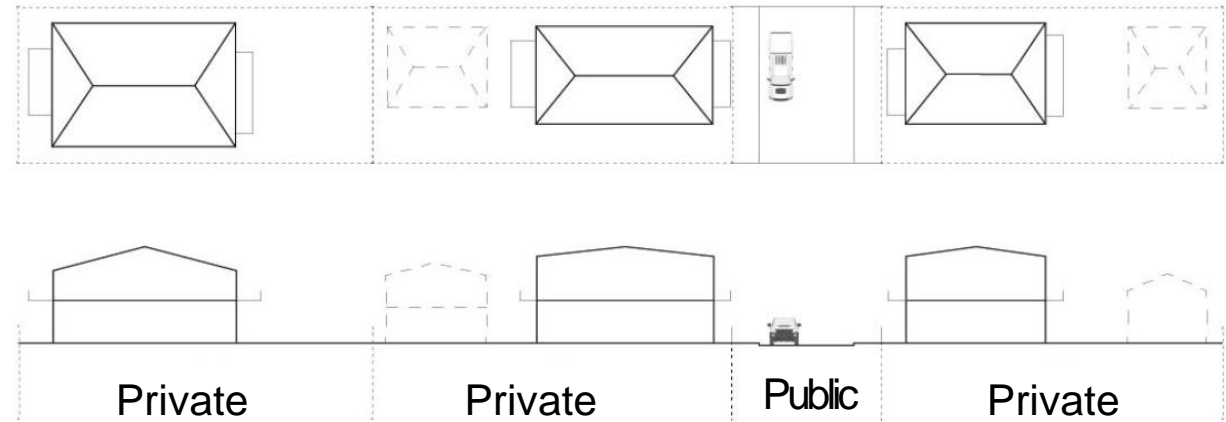


# Gugeegue Housing Plan

## Existing Context (Ebeye)

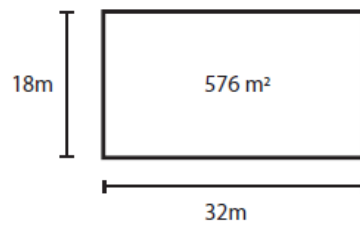


## Proposed Context (Gugeegue)

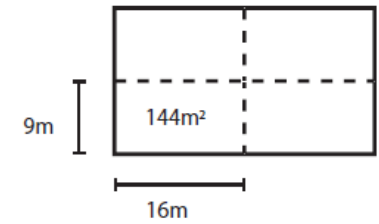
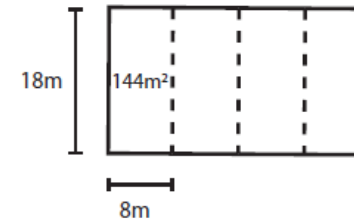
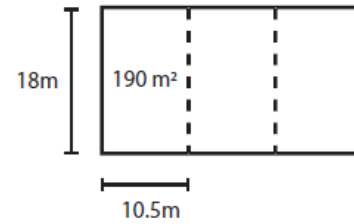
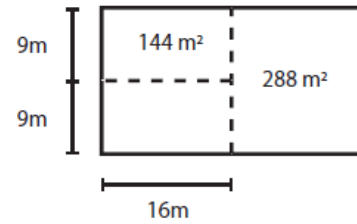
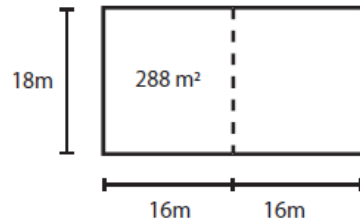


## Indicative Gugueegue Housing Plan

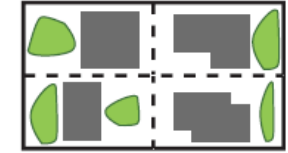
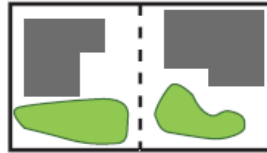




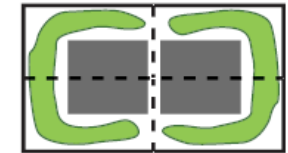
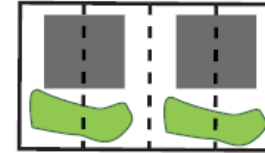
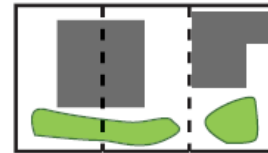
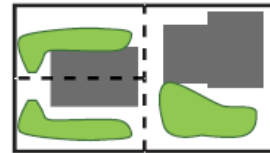
Flexible super lot that can be cut up to respond to demand



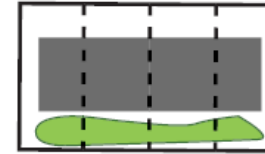
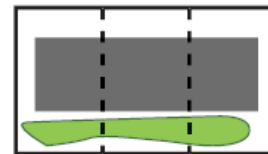
Single Dwellings



Duplexes



Multi Unit



Open Spaces & Amenities



Super lots can be broken into:

- 18m x 16m
- 16m x 9m
- 18m x 10.5m
- 18m x 8m





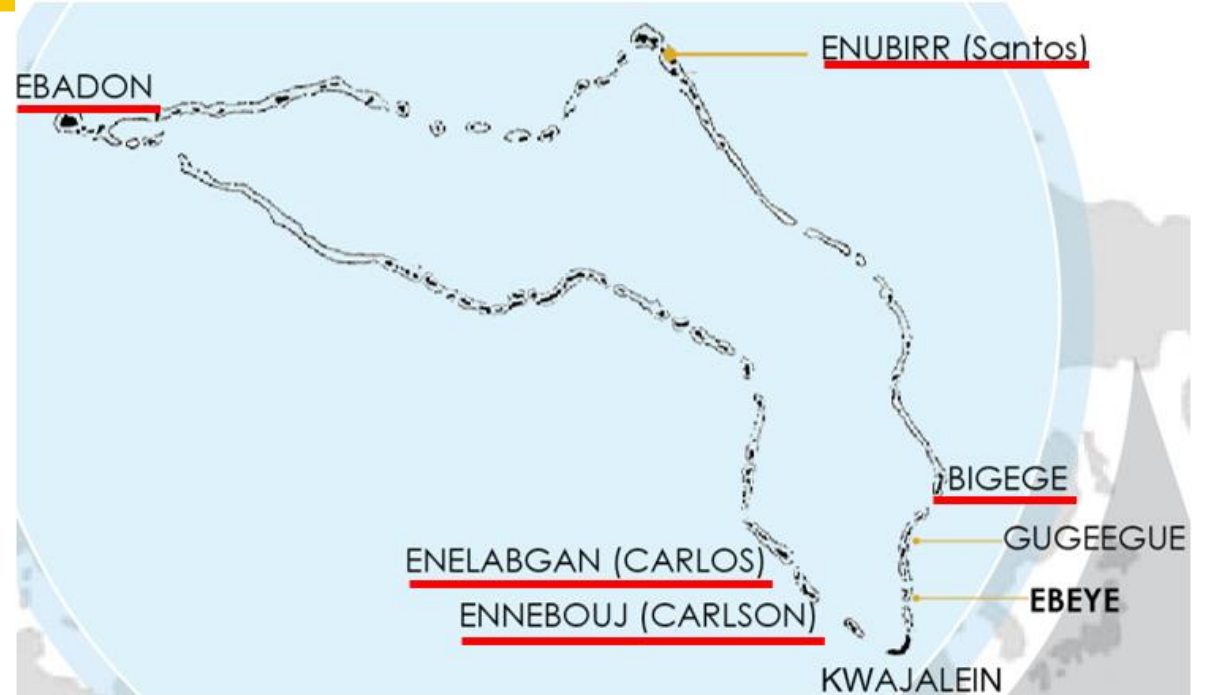










# Outer Islands





# Effective Communication


 Kwajalein Atoll Development Authority - KADA





**Kwajalein Atoll Development Authority - KADA**  
[@kwajaleinatolldevelopmentauthority](#)


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 **Kwajalein Atoll Development Authority - KADA** is 😊 feeling excited at  Kwajalein Atoll.  
January 31 · 🌐


KADA / BECA team went on an assessment trip to Enebouj (Carlson), Enelabkan (Carlos) & Bikej regarding Kwajalein Master Plan. Graeme, Adam, Jaiman and Carl did a lot but had so much fun. Big thank you to Enebouj, Enelabkan & Bikej Landowners, kommol to Jorju Kemem who met us. I also want to thank AC Jelton Anjain, KAJUR PMU Edward Bobo and of course, boat Captain Wilmer Bolkeim, Jr. and his crew.





1.8K Views

 Like

 Comment

 Share

  48

 **Kwajalein Atoll Development Authority - KADA** added a new photo.  
January 26 · 🌐



 Like

 Comment

 You and 5 others

 **Kwajalein Atoll Development Authority - KADA** added 3 new photos — 😊 feeling full.  
January 30 · 🌐

Jelton and I along with our families hosted the BECA team (Graeme, Adam, Carl & Jaiman) tonight. Big thank you bro Jelton and sis Bima for the delicious dinner!



 Like

 Comment

 Share

  11







# Outcomes



Ebeye – Basketball and Tennis Court





# Outcomes



Ebeye Island Elementary



Ebadon Island Public School







# Kommol Tata