

**GREEN CLIMATE FUND**

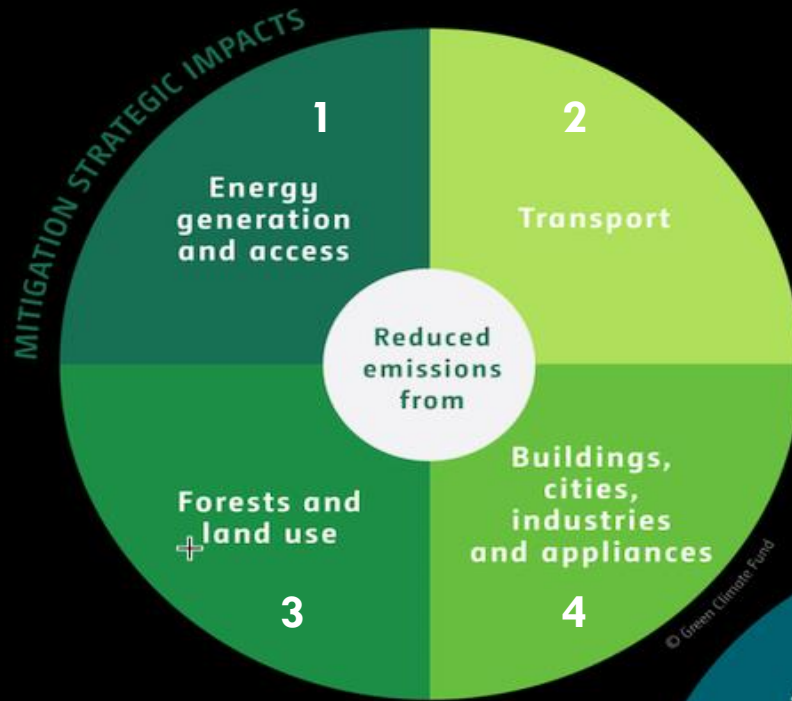
**PROJECT IDEAS  
2016**

# GCF: BREAK OUT GROUP

Fill in the table provided on the sheet of butchers paper

PROJECT IDEA	STRATEGIC AREA	TIMEFRAME	ESTIMATED COST	ADDITIONAL COMMENTS
50 WATER TANKS 35,000 liters	5 (Health, Food, and Water Security), 6 (Livelihoods of People and Communities)	12 months	\$350,000.00	Can you consider community training on how to look after and maintain the tanks once installed

# Strategic Results Area Table



## MITIGATION

- 1 – Energy Generation and access
- 2 – Transport
- 3 - Forest and Land Use
- 4 – Buildings, Cities, Industries and Applications

Fill in the Strategic Area column on your butcher paper by using the numbers 1-8 to identify which area your project idea will address.



## ADAPTATION

- 5 – Health, Food and Water Security
- 6 – Livelihoods of People and Communities
- 7 - Ecosystems and Ecosystems Services
- 8 – Infrastructure and Built Environment

# AREAS THAT WILL BE A PRIORITY FOR GCF TO FUND

An outcome from the GCF workshop held in Tonga in July 2017 was that the GCF do not have many approved programmes in the Pacific region in the thematic areas of

- ❖ **Ocean acidification**
- ❖ **Climate information i.e. early warning systems**
- ❖ **Land use – area 3**
- ❖ **Transportation – area 2**
- ❖ **Food security – area 5**

# PROJECT IDEAS IDENTIFIED IN 2016

No.	Programmes	Area	Sector	Island	Cost	Estimated Time	Comments
1	Water supply - water tanks	5, 6	Water	Northern Group	5 million	1 yr	First flush system (filtering system), monitoring of water quality, sodium content
2	Boat landings/Harbours (Currently Unsafe)	8, 6	Infrastructure	Northern Group	16 million	1 yr	Issues is maintenance and sustainability
3	Coastal protection areas	8, 6	Infrastructure	Northern Group	12 million	1 yr	parallel projects 2 and 3
4	Cyclone emergency shelters (pukapuka, manihiki - need upgrading)	8, 5, 6	Infrastructure	Northern Group	11 million	1 yr	
5	Shipping - agency agreement or procurement of boat	6, 5, 2	Shipping	Northern Group	3 million	1 yr	
6	Hospitals - upgrade and equipment procurement	6, 5	Infrastructure		6 million	1 yr	
7	Airport upgrade strip in Manihiki (beacons)	8, 6	Infrastructure	Manihiki	12 million	1 yr	
8	Sea Ambulance	2, 5, 6	Health	Nassau, Palmerston	1.5 million	1 yr	Transportation costs
9	Research in islands - concerned on loss of biodiversity - preserve and retain species		1 Biodiversity	Northern Group	1 million	1 yr	
10	Water tanks - concrete - long lasting compared to plastic	5, 6, 8	Water	Mauke, Mitiaro, Atiu	6k per unit, 1.8 million in total	1 yr	Includes up skilling

# PROJECT IDEAS IDENTIFIED IN 2016

## CONTINUED...

No.	Programmes	Area	Sector	Island	Cost	Estimated Time	Comments
11	Waste Management - crusher to send back for recycling	3, 8, 5	Waste Management	Mauke, Mitiaro, Atiu	50k	4 months	tins, plastic - no proper waste disposal methods
12	Cyclone Shelters		Infrastructure	Mauke, Mitiaro, Atiu	800k	3 yrs	Currently using meeting houses 1 mitiario, 2 mauke, 3 atiu
13	Airport upgrade for each island		Infrastructure	Mauke, Mitiaro, Atiu	15 million	3 yrs	
14	Water security, renewable energy storage facility	1, 5, 8	Water and Renewable Energy	Civil Society, NGO, Private sector	120 million	5-10 yrs	Dealing with droughts
15	Communication ICT Media	6, 8	ICT	Civil Society, NGO, Private sector	60 million	5-10 yrs	Proper communication and distribution of information -
16	Renewable energy, reticulated sanitation systems	1, 5, 6, 7, 8	Sanitation	Civil Society, NGO, Private sector	100 million	5-10 yrs	Sanitation risk, health of lagoon (Muri Lagoon)
17	Strengthening capacity in order to access fund		Capacity	Civil Society, NGO, Private sector	10 million	5-10 yrs	
18	Awareness on Good land use management initiative		Land Practices	Civil Society, NGO, Private sector	15 million	5-10 yrs	Awareness to landowners, proper use of land management, documentation at community and school level. Use properly, wisely, effectively.
19	Water System to assist growers - turned off pipping's in ground is a waste to turn off	5, 6, 7, 8	Food Security	Rarotonga	6 million	2-5 yrs	Te Mato Vai is collection of water under ground. Concern is water for growing/agriculture and livelihoods
20	Improve water draining systems and reuse water run of	6, 7, 8, 2	Water	Rarotonga	20 million	2-5 yrs	Inner road or back roads

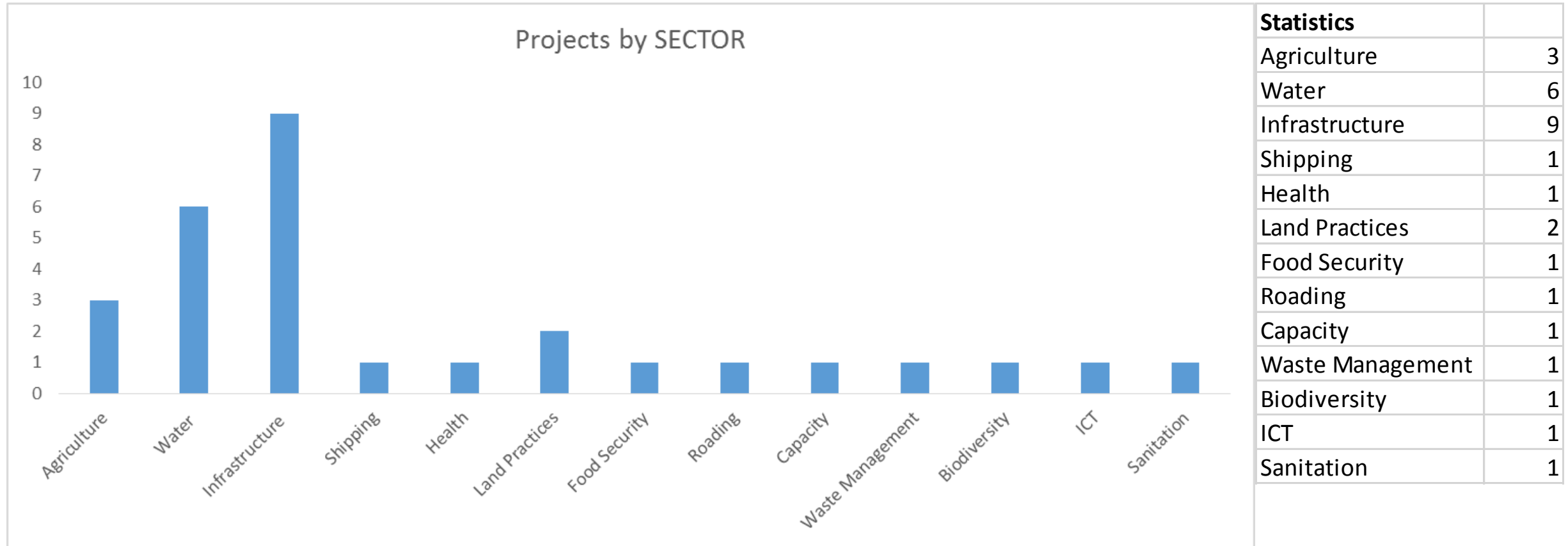
# PROJECT IDEAS IDENTIFIED IN 2016

## CONTINUED...

No.	Programmes	Area	Sector	Island	Cost	Estimated Time	Comments
21	Coastal erosion and land degradation	3, 6, 7, 8	Infrastructure	Rarotonga	20 million	5 yrs	coastal protection structures, replanting trees
22	Subsidise for collection of grey water for agriculture use	5, 3, 7, 6	Water	Rarotonga	10 million	5 yrs	reuse of grey water
23	Fruit tree planting initiative	3, 5, 6	Agriculture	Rarotonga			to increase food security
24	App for smart phones to look up data ie sustainable of fish and carbon footprint to get it to your dinner table		Technology	Rarotonga	no estimated cost	no estimated timeframe	
24	Development of water holes - water proofing ,alternative water supplies. During drought times, need alternatives	water, transport, food security, health	Water	Mangaia	2.5 million	1-2 yrs	
25	Road sealing programme	5, 8, 6, 2	Roading	Mangaia	1 million per km of roading and 50k TA	2-3 yrs	1mil per kilometre. Safety and health issues - related to dust.
26	Tree harvesting and re forestations 700 hecs of forest	3, 7	Agriculture	Mangaia	600k	2-3 yrs	
27	Harbour - access for boats	2, 6, 7, 8, 5	Infrastructure	Mangaia	2 million	2 yrs	boats cant come in, have to take barge out to boat. Harbours in place but not acceptable - fuel for barges is required, labour
28	Water Gallery systems/storage	5, 6	Water	Aitutaki	3 million	2 yrs	6 galleries split around the island, too far spread.
29	Agriculture Orchid projects - organic farming, forest planting	5, 7	Agriculture	Aitutaki	1 million	1 yr	

# PROJECT IDEAS IDENTIFIED IN 2016

## CONTINUED...





# BREAKOUT GROUP ACTIVITY

- ❖ Work together in your groups to revisit the project ideas identified from 2016 and determine if they are still relevant
  - ❖ In your groups, please prioritise from the list of project ideas, your top 7 project ideas that are still relevant in order of priority – 1-7
- ❖ Come up with 5 new adaptation and mitigation climate change project proposal ideas that you feel of importance for the Cook Islands.



**THANK YOU**