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### **Pou and Miri**

## learn about climate change and growing food crops

Story and illustrations by Dom Sansom Edited by Christine Fung

Secretariat of the Pacific Community Suva, Fiji, 2012





### Hello boys and girls!

Climate change will have an impact on our seasons and environment. Our cool season may turn out to be hot instead. Or we may have a very dry period in the rainy season.

This affects how our crops, fruits and vegetables grow and mature. Some plants, for example, only produce flowers for fruiting under cool conditions. So if it is hot throughout the year, these plants will not bear flowers and fruit.

It is important to be aware and prepare for these changes so that we don't go short of food. We hope you will be able to pick up some ideas from this book

Happy reading!



Pou and Miri, a fruit bat, have been best friends since they were very young and have had lots of adventures together.

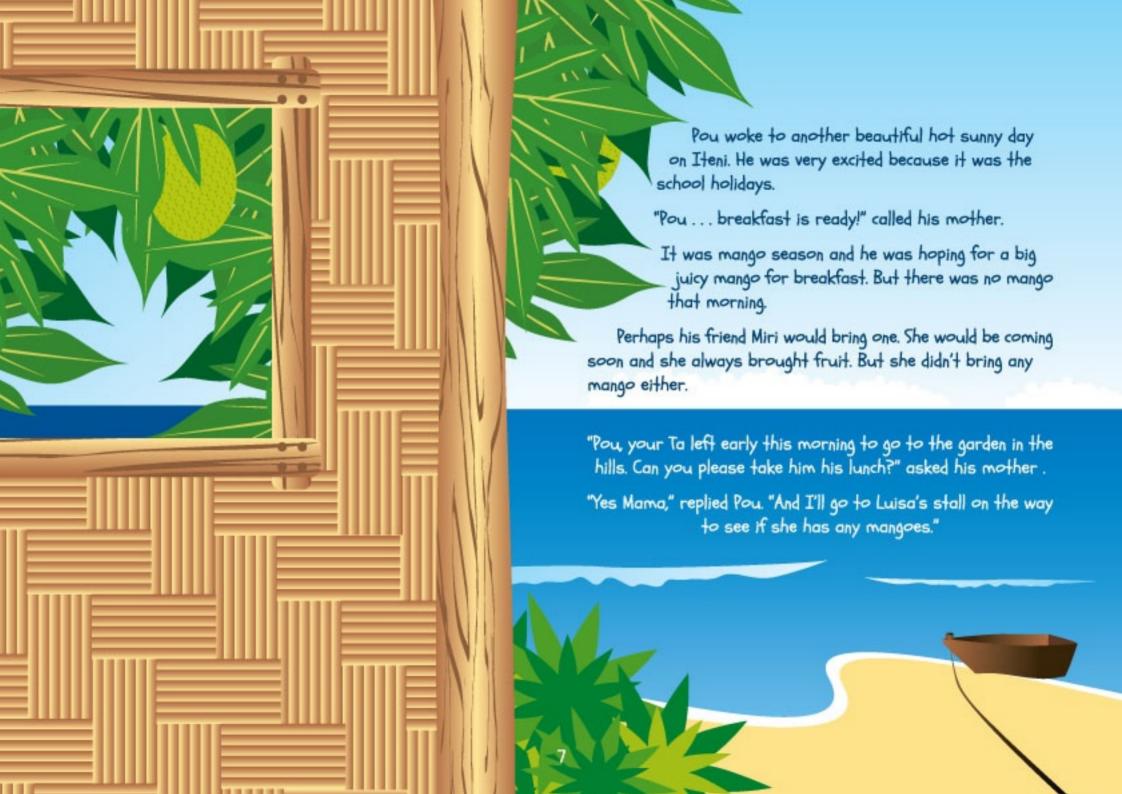
They live on the tropical island of Iteni, in the Pacific Ocean.

Plants and crops grow very well on their beautiful island . . . but seasons seem to be changing.

Will you help us find out what we can do about it?





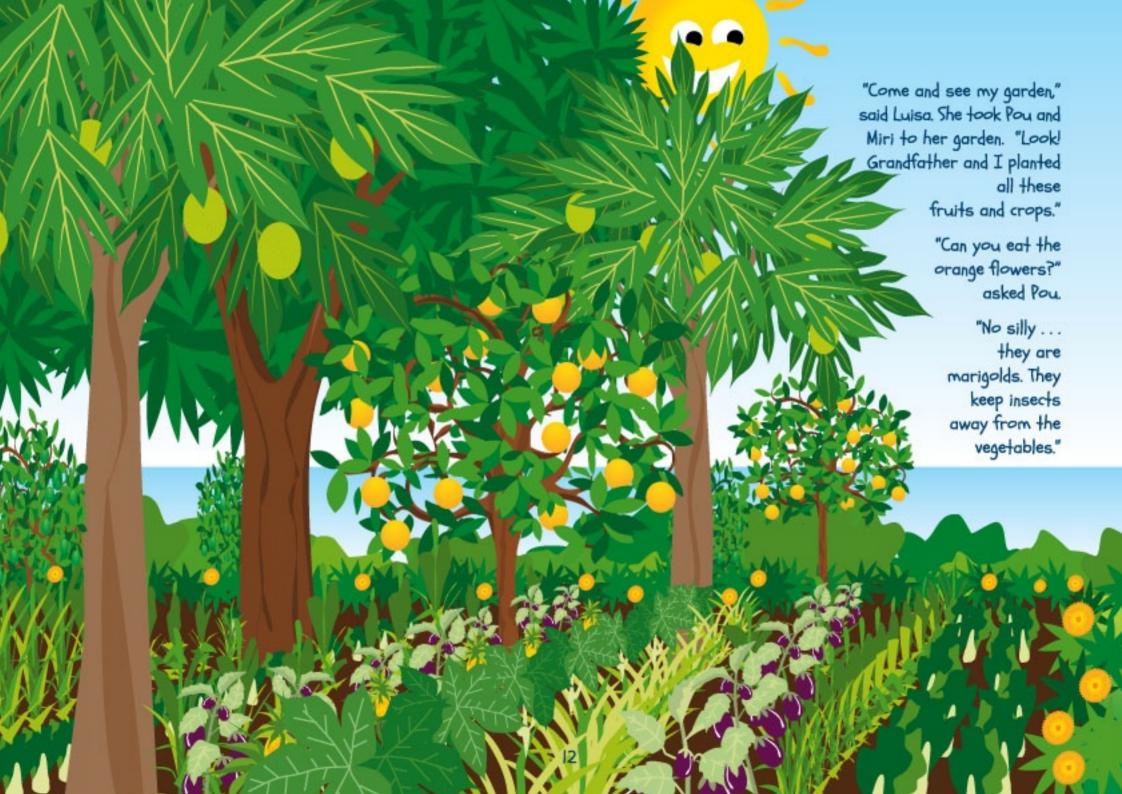


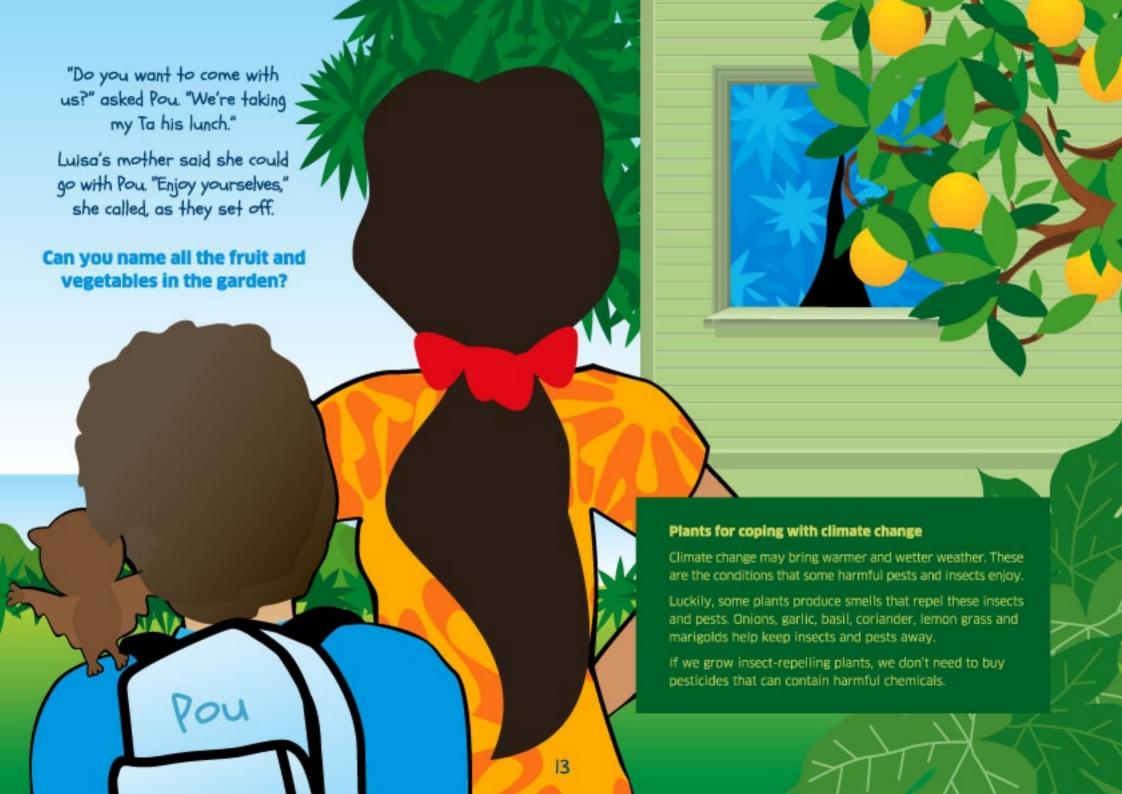
















While walking along beside the stream, they came to a wonderful garden. There were many different crops growing among the trees.

"Hey, this is Uncle Leli's garden," said Pou.

"Wow!" said Luisa. "Look how different it is from Mr Tomu's garden."

"Hello, there!" someone called out. It was Uncle Leli, looking very hot and sweaty. He was busy planting some young banana trees, but he stopped what he was doing and walked towards them.

"Hello children. What are you doing here?" he asked.

"We're on our way to take Ta some lunch. He's also working in his garden," said Pou.

"Well, you kids look thirsty and so am I. Why don't I cut open some green coconuts so we can all have some sweet coconut water," said Uncle Leli.

"Oh yes, please!" said Pou and Luisa.

"And how about some fresh ripe pawpaw as well," Uncle Leli added.

"Yay!" shouted Miri. Pawpaw was one of her favourite foods.

They settled under the shade of a raintree with their green coconuts and pawpaw freshly picked from the garden.

They talked about how Mr Tomu's taro had been washed away.

"How do you keep your crops from being washed away, Uncle Leli?" asked Pou.

"Look over there," said Uncle Leli pointing to some taro and pineapples growing on a gentle slope. "Most of my garden is on the side of a hill so when I plant my crops I also need to protect the soil."

"How do you do that?" asked Miri.





"By leaving most of the trees that are already there. Because if you chop down a lot trees, the soil will wash away very quickly, taking all your crops with it," said Uncle Leli. "The roots of trees help hold the soil in place."

"How do you know all this, Uncle Leli?" Pou asked.

"I learnt this from my father and my grandfather," said Uncle Leli, "and now I am teaching you as well."

"Just like the way my grandpa is teaching me," said Luisa proudly.

"I get it," said Pou. "We need to grow plants and trees together to help protect the soil."

"Yes, and trees give us a nice shade to sit under when the sun's hot," said Luisa.

"And we bats have nice places to hang out in," said Miri.

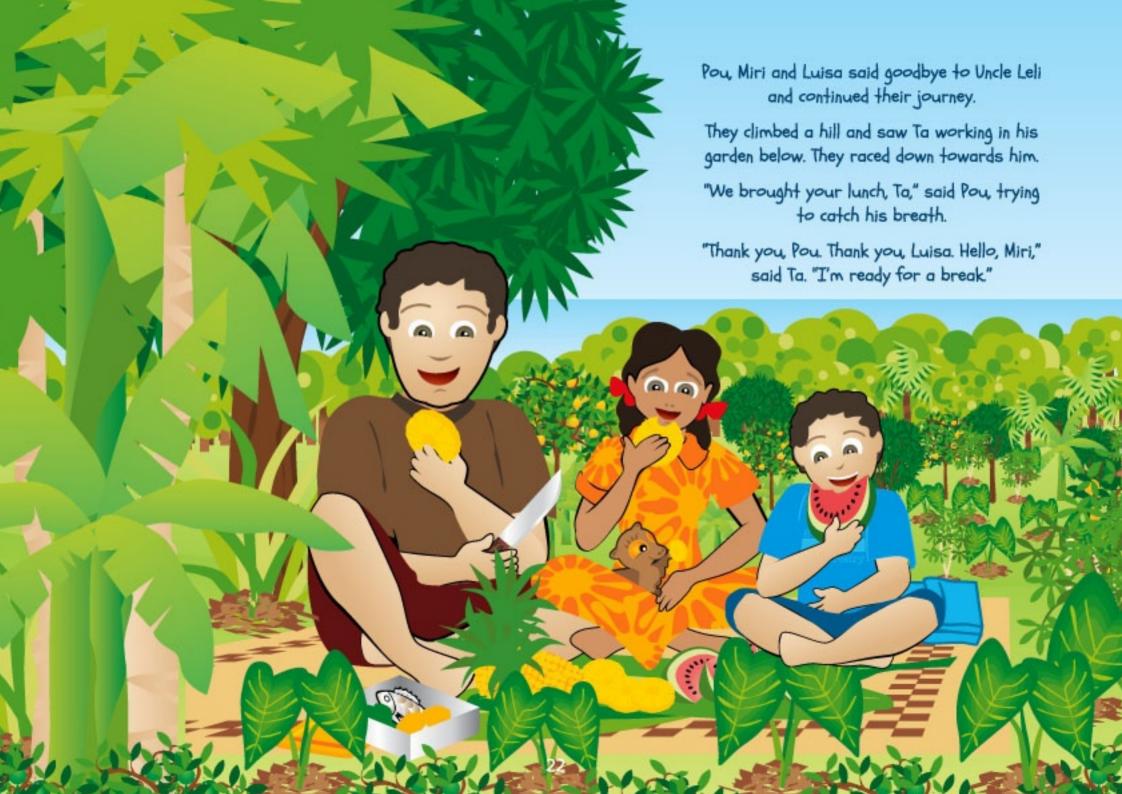
"And birds need trees to make their nests," said Pou.

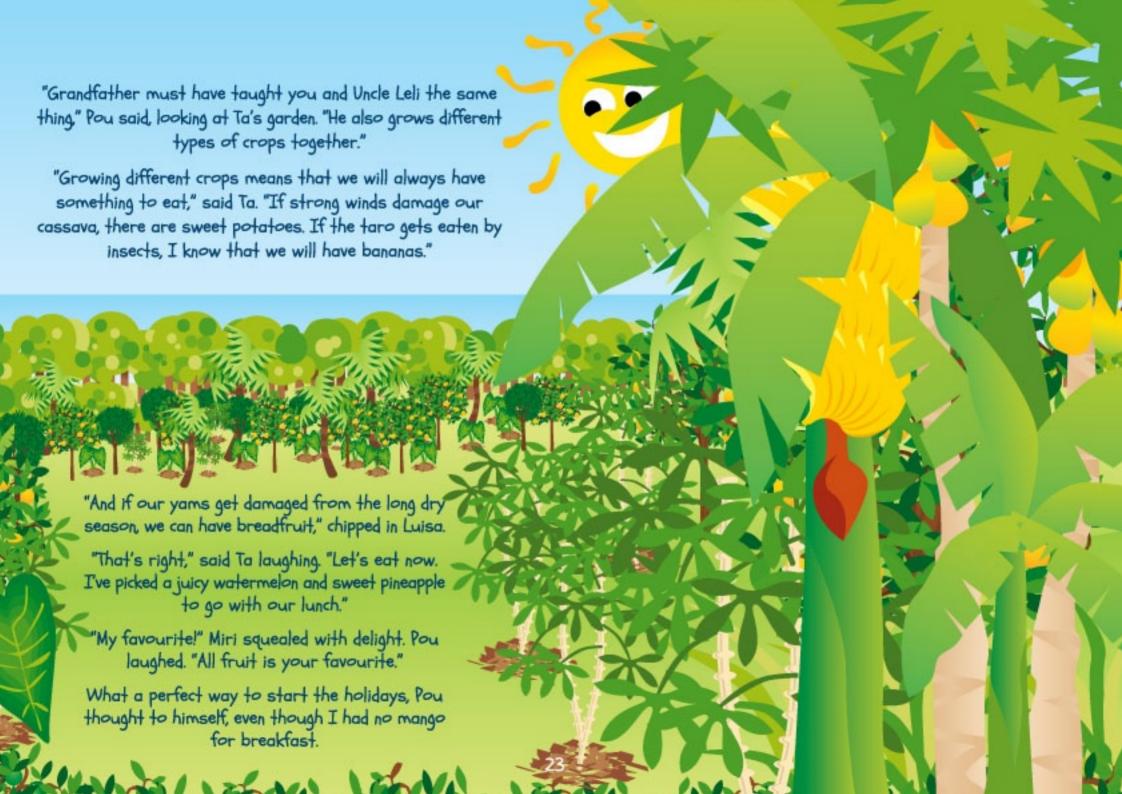












# Pou's tips for growing crops to cope with climate change



I. Practice agroforestry. This means growing your crops and vegetables with different kinds of trees. The trees will protect your crops from strong winds and the hot sun and also keep the soil healthy.



2. Plant strong-smelling vegetables like onion, garlic and coriander, and strong-smelling flowers and plants like marigold, basil, lemon grass and island musk (uhi in Tongan, uci in Fijian and usi in Samoan) to help protect your crops against pests and harmful insects. These strong-smelling vegetables and plants make your meals tasty and keep your garden smelling nice. Some are even medicinal!



3. Plant different types of vegetables and food crops in your garden. This will give you a variety of delicious meals to keep you healthy and you will always have something to eat. If one crop or vegetable is destroyed there are others for you to eat.



4. When planting on slopes, try to remove as little vegetation as possible. The trees and plants growing on the slopes help prevent soil from washing away and contaminating our rivers and reefs. Soil that washes away into our rivers and reefs destroys the homes of fish and other creatures living there.



S. Plant vetiver grass in places where soil can easily be washed away. These places include slopes, coastal areas exposed to strong waves, river banks, and open ditches and drains. The long roots of vetiver grass help keep the soil in place.







