



AVRDC

International Vegetable Training Course

1. Lessons learnt in module two

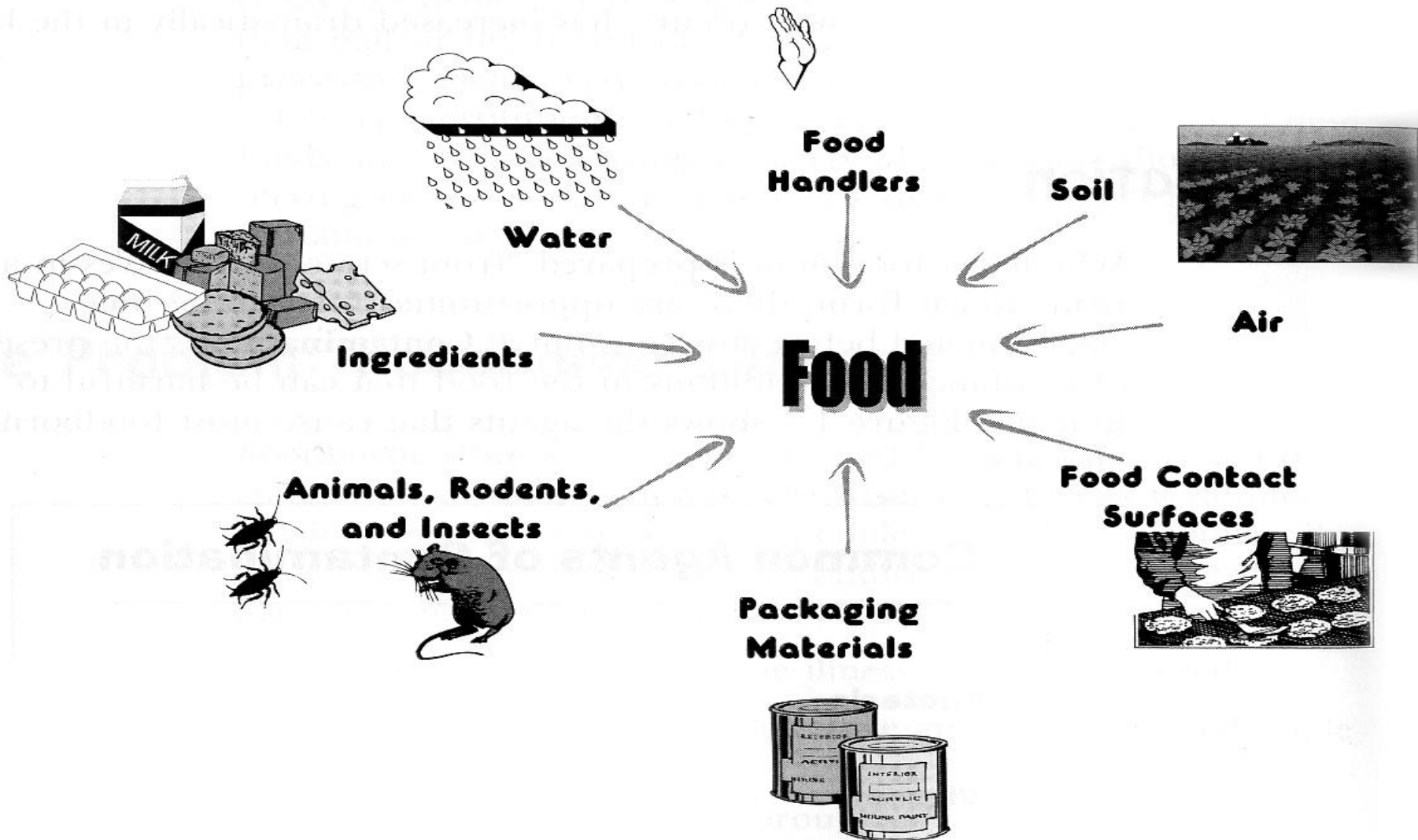
2. Training Project

- Introduction
- Development constraints
- Activities and Outputs
- Responsibilities
- Challenges

LESSONS LEARNT IN THIS MODULE

- **Characteristics of Green vegetables**
- Safe foods
- High quality
- Nutritious
- Without pollution or less pollution
- Health certified
- **Food Safety**

Sources of Contamination



What bacteria Need for Growth

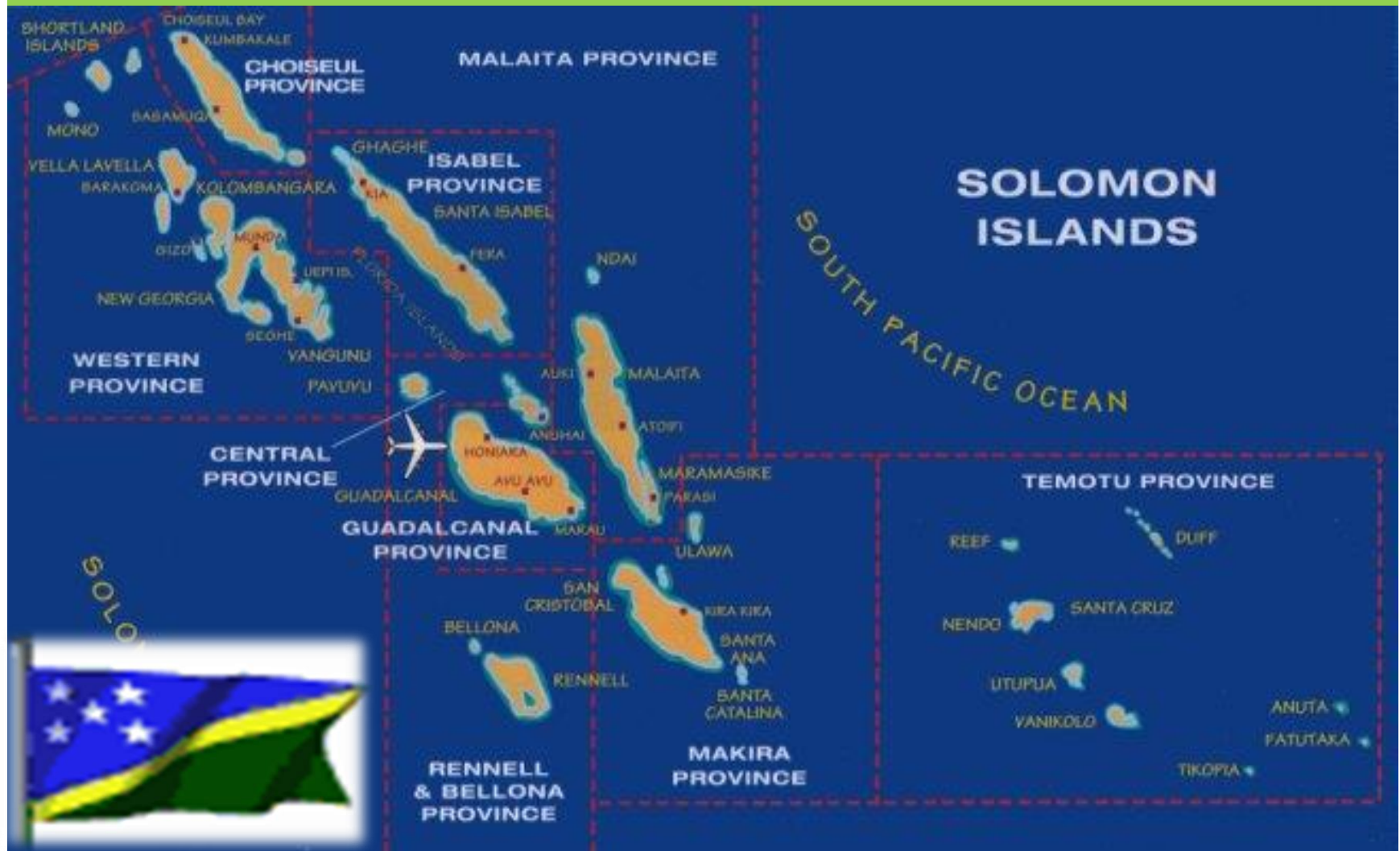
- Bacteria need six conditions for growth. They need a source of food, a mildly acid environment (pH of 4.6 – 7.0), temperature between (5°C and 60°C), time, different oxygen requiring environments, and enough moisture.
- These requirements can be remembered using the acronym F-A-T-T-O-M.

Six conditions for bacterial growth

F.A.T.T.O.M.

- FOOD - that is high in protein
- ACID - food with pH 4.5 and above
- TEMPERATURE – 5 to 60 degree Celsius
- TIME – only takes up to 4 hours to accumulate
- OXYGEN – Anaerobic, Aerobic needs oxygen
- MOISTURE – Water activity of 0.85 and up

VEGETABLE TRAINING PROJECT





Introduction

- “Health is wealth” and “we are what we eat” are age-old truths, and B. Reg, French’s book, *Food Crops of the Solomon Islands: A Compendium*, to our “table”.
- I stress this because, for most Solomon Islanders, their most important biodiversity, in terms of their local economy, culture, health and sustainability, is their agricultural biodiversity, commonly referred to as “agro biodiversity”.



MAL Strategic Objectives

Two objectives in MAL corporate plan is to:

- ❖ Promote and Increase food production, nutrition security and income for farmers.
- ❖ Develop and Promote Crop management and Harvesting practices to improve the product quality with minimal losses for smallholders and communal farms .



Development Problem

Some of the major problems includes,

1. The geographical settings of the islands
2. Poor infrastructures
3. Climate change
4. Lack technical information
5. Farmers believe when they see



Solving the problem

- The solution lies in the timely dissemination of information to enhance, promote knowledge to cluster groups of farmers who can produce not only enough, but quantity with excellent quality.
- A project to do a National Training Programme



Beneficiaries' of this project

The direct beneficiaries of this project will be the;

1. Farmers.
2. Retailers/processors.
4. consumers in the value chain.
5. Ministry of Agriculture .



Activities

- **Day one**

8.00 am - Welcome and opening remarks

8.45 am – Introduction to the training

9.00 am – Methods of self reliance

10.00 am – Tea break

10.15 am – Soil improvement practices

12.00 noon – Lunch

- 1.30pm – Activity on making Compost
- 3.00pm – Afternoon tea break
- 3.15pm – Seed preparation and storage

Day two

Session 1. Growing mediums

Session 2. Green house

Session 3. Soil less and hydroponics.

Session 4. Simple irrigation system

Day three

- Session 1. Food safety
- Session 2. Activity on food safety
- Session 3. Food nutrition
- Session 4. Activity on food nutrition



Responsibilities

- Participants – Be attentive and participate in discussions, practical's and evaluations
- Facilitators – Training unit MAL officers
 - Venues
 - Logistics
 - Caterings
- Donor – The MAL training budget.
 - The AVRDC for seeds & Information



Challenges

- Logistics
- Follow ups
- Farmers choices

THANK YOU

