

Teaching Food Technology through the Narrative of Food

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Overview

- The narrative of food
- Interrogating the narrative
- Where's the technology?
- Malnutrition
- Bridging gaps to achieve sustainable food production
- Resolving conflicting requirements through technology
- The elephant in the room
- Curriculum development



The narrative

1. Production and harvesting
2. Storage
3. Preservation and processing
4. Sale and distribution
5. Preparation and consumption

Interrogating the narrative 1

The Narrative of Food Part 1 of 5

What foods
do we eat?

Where are
they grown?

**Food production
and harvesting**

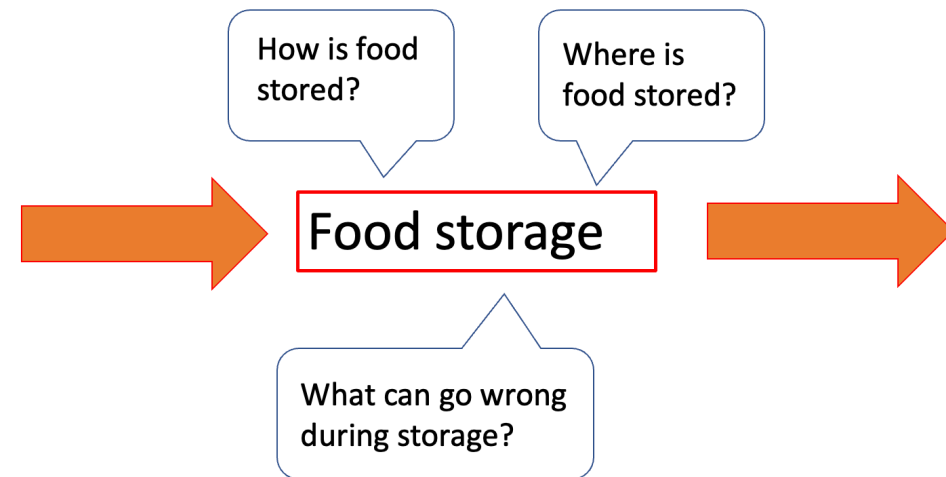


How are they
harvested?

What can go
wrong?

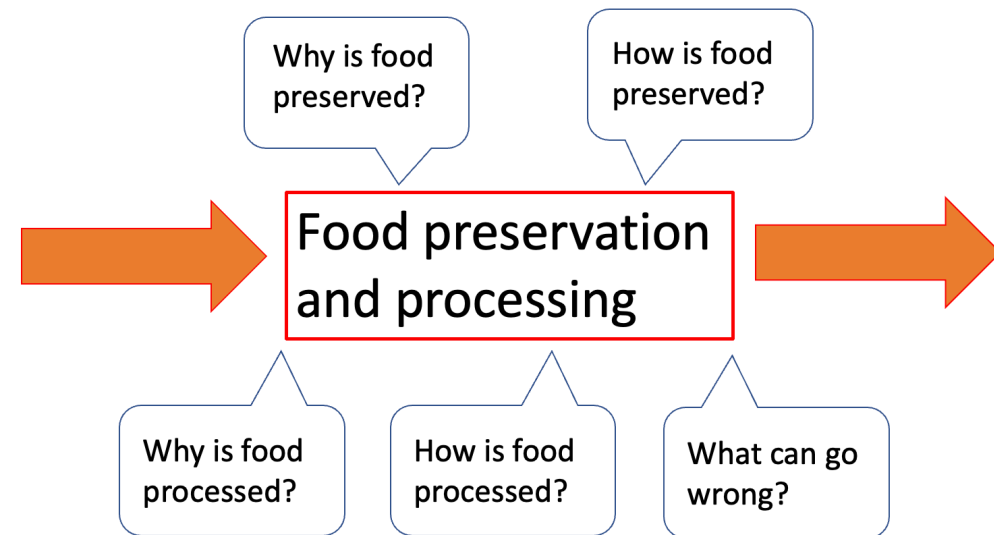
Interrogating the narrative 2

The Narrative of Food Part 2 of 5



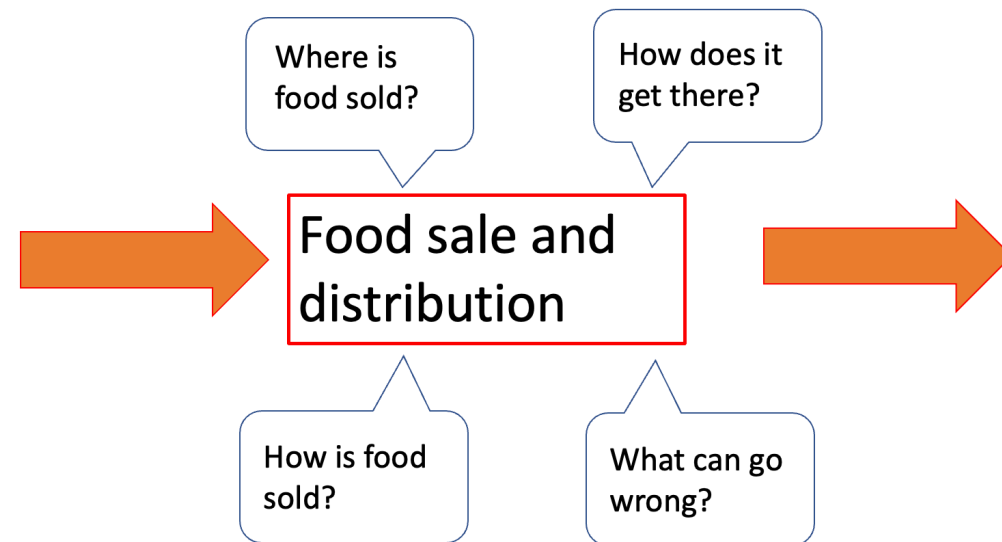
Interrogating the narrative 3

The Narrative of Food Part 3 of 5



Interrogating the narrative 4

The Narrative of Food Part 4 of 5



Interrogating the narrative 5

The Narrative of Food Part 5 of 5

What do we eat?

How do we prepare it?



**Food preparation
and consumption**

How much do we eat?

Where do we eat?

What can go wrong?

Where's the technology?





Malnutrition

Over-nutrition in
developed countries

Under-nutrition in
developing countries



Bridging gaps to achieve
sustainable food production

The Food Gap

The Land Gap

**The Greenhouse Gas
Mitigation Gap**

Resolving conflicting requirements through technology

Increasing food production without expanding agricultural land



Providing alternatives to ruminant meat consumption



Resolving conflicting requirements through technology

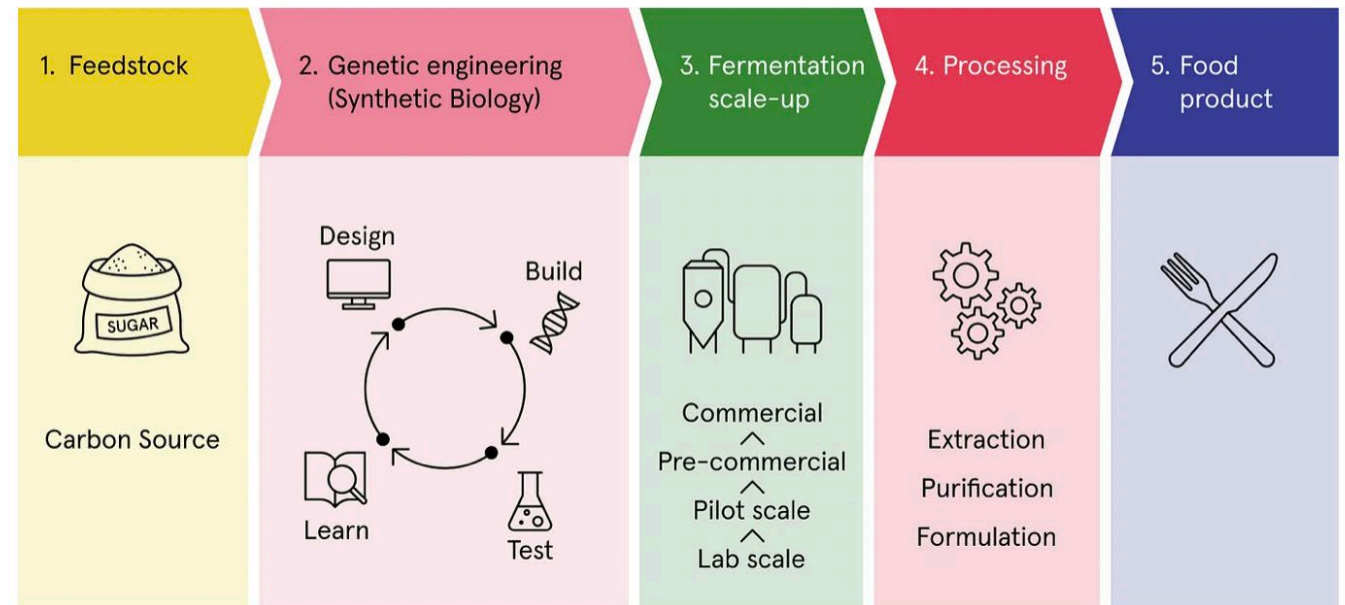
Developing crops that are resistant to climate extremes



Resolving conflicting requirements through technology

Growing food in ways that do not contribute to climate change

PRECISION FERMENTATION



Original Source: The Commonwealth Scientific and Industrial Research Organization (CSIRO)

Resolving conflicting requirements through technology

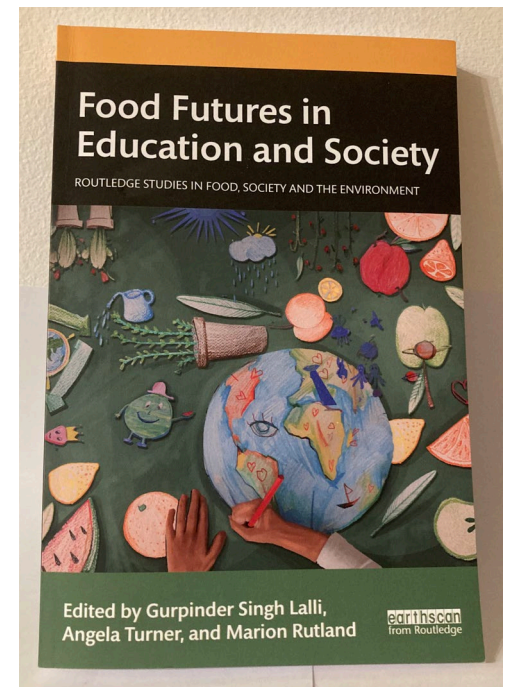
Utilising food from unusual sources





Curriculum development

Might the Narrative
of Food provide the
organizing principles?





Thanks for your
attention

**Any Questions
or Comments**