

STRENGTHENING NORFOLK ISLAND'S FOOD SYSTEM FOR FOOD SECURITY and RESILIENCE



**Food Security -
Community Resilience
Global Challenges –
Local Solutions**

Small Islands Similar challenges

- limited land mass & fragile natural environments
- high vulnerability to climate change, external economic shocks, and natural disasters
- high dependence on few economic sectors
- high reliance on imported foods, with low nutritional value but high fat and sugar content (Pacific Islands – over 70% of food is imported – up to 80%)

The future of food security

Global Sustainability Challenges

biodiversity loss
climate change
soil degradation
water depletion
ocean acidification
poverty
hunger, diet-related chronic diseases





One of the **greatest public health challenges** of our time triple burden of malnutrition

Nearly a billion people suffering from hunger, two billion classified as overweight or obese and suffering from micronutrient deficiencies

Highly calorific food but nutrient poor

Unhealthy diets are a major public health issue in Australia. 67% of our population overweight or obese (AusGovt)

Diet –related chronic diseases 90% of deaths in Australia (AIHW), 75% of adult deaths in the Pacific, 63% of all deaths in the world (WHO)

Diet-related chronic diseases account for **80% of total EU healthcare budgets / 700 billion Euros** (OECD)

Financial burden of **obesity in Australia** \$11.8 billion. Globally **healthcare costs** associated with **obesity US\$2 trillion** (OECD)



Our **global food system** is the primary driver of **biodiversity loss**, with agriculture alone identified as a threat to 24,000 of the 28,000 (86%) species at risk of extinction (UNEP)

52% of soils globally are now classified as **degraded** (UNCCD)

Agriculture **70% of global water** withdrawals (WB)

The global food system is a **major driver of climate change** **30% of total** human-produced emissions (UNEP)



Social momentum for change to transform our food systems to restore ecosystems integrity and provide access to nutritious food for all

Calls for transformative action for food systems to be inclusive, equitable and regenerative of land, soils, ecosystems, biodiversity

Food systems as entry points for tackling global sustainability challenges

Cross sectoral approach
'Food systems' perspective

True costs of food production

Need to correct the system's failure to cost externalities account for the impacts of food production on natural ecosystems and human health



UNITED NATIONS
FOOD SYSTEMS
SUMMIT 2021

Designing NORFOLK ISLAND future food system



Multistakeholder approach: to construct a community food system that reflect your values and aspirations

State contribution? From fixing market failures to shaping markets for societally relevant innovation

Food Security Strategy / Policy

- Based on food localisation
- Support for the productive and sustainable management of land for food security
- Agro ecotourism sharing food knowledge
- A 'landscape approach' to food security, economic development, livelihoods and conservation
- Ability to catalyse funding / finance
- Break down the barriers between sectors, scales and actors
- Procurement
- Food export strategy

Dairy Industry?

Legumes / Grains for stock feed or flours ?

Capacity for value adding on island?

Access: A Food Hub for distribution?

A COOP?

Integrated landscape management approach – for recreational, social, ecological, economic and aesthetic functions?



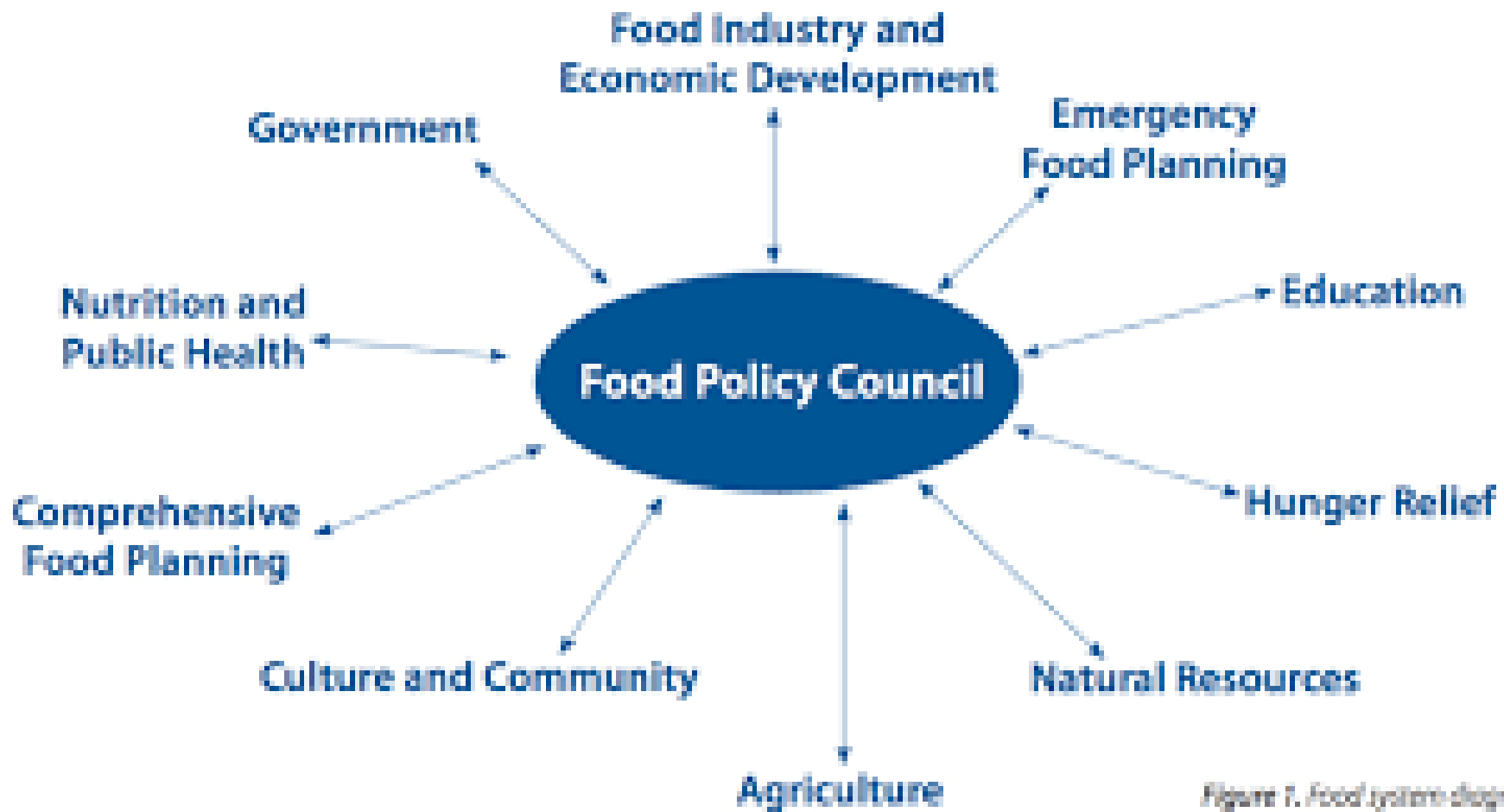


Figure 1. Food system diagram



Food Policy Councils are not a ‘one-size-fits-all’ process....Councils reflect and focus upon the needs of the communities in which they are formed.

- **Building of coalitions**
 - breadth of membership (all the sectors of the community, government)
 - diverse knowledge pool
 - shared vision of an ideal community food system
- **Educating**
- **Identifying needs and problems**
- **Offering solutions**
- **Strategic Planning**
- **From Plan to Action**



Our Mission:

The Bloomington Food Policy Council exists to develop and support policies that increase and preserve access to sustainably produced, locally grown, healthful food for all residents in Monroe and surrounding counties.

“The Food Policy Council envisions a thriving, inclusive and just local and regional food system that enhances the health of people, diverse communities, economies, and environments” (Food Policy Council of Puget Sound, Washington)

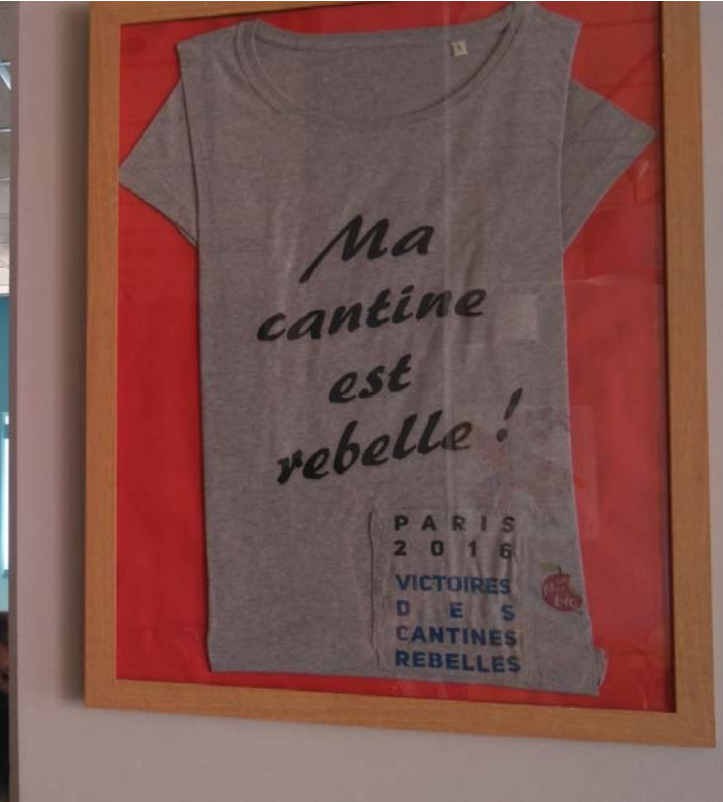
New Mexico Food & Agriculture Policy Council	Expanded farm to school funding ; stopped the sale of sugary soft drinks in schools and replaced them with fruit juices and water
Cleveland/Cuyahoga County FPC	Secured zoning changes to protect community gardens , urban farms, and the raising of chickens and bees
Missoula, Montana FPC	Worked with county land use board to direct development away from prime farm and ranchland; mapped prime agricultural soils
Boulder County, Colorado FPC	Developed sustainable agriculture use plan for 25,000 publicly owned acres of farmland ; rejected proposal to plant GE sugar beet seeds on public land
Kansas City, Missouri FPC	Modernized agriculture zoning code ; co-hosted food summit; conducted a food issues survey with candidates for local office
New Orleans Food Policy Advisory Committee	Helped formulate the Fresh Food Retailer Initiative, which leverages public and private funds to provide low-interest and forgivable loans for food retailers who commit to sell fresh fruits and vegetables in underserved neighborhoods
Muscogee (Creek) Nation Food and Fitness Policy Council	In 2012, began working on new procurement policies that will help tribal groups buy more locally grown fruits and vegetables

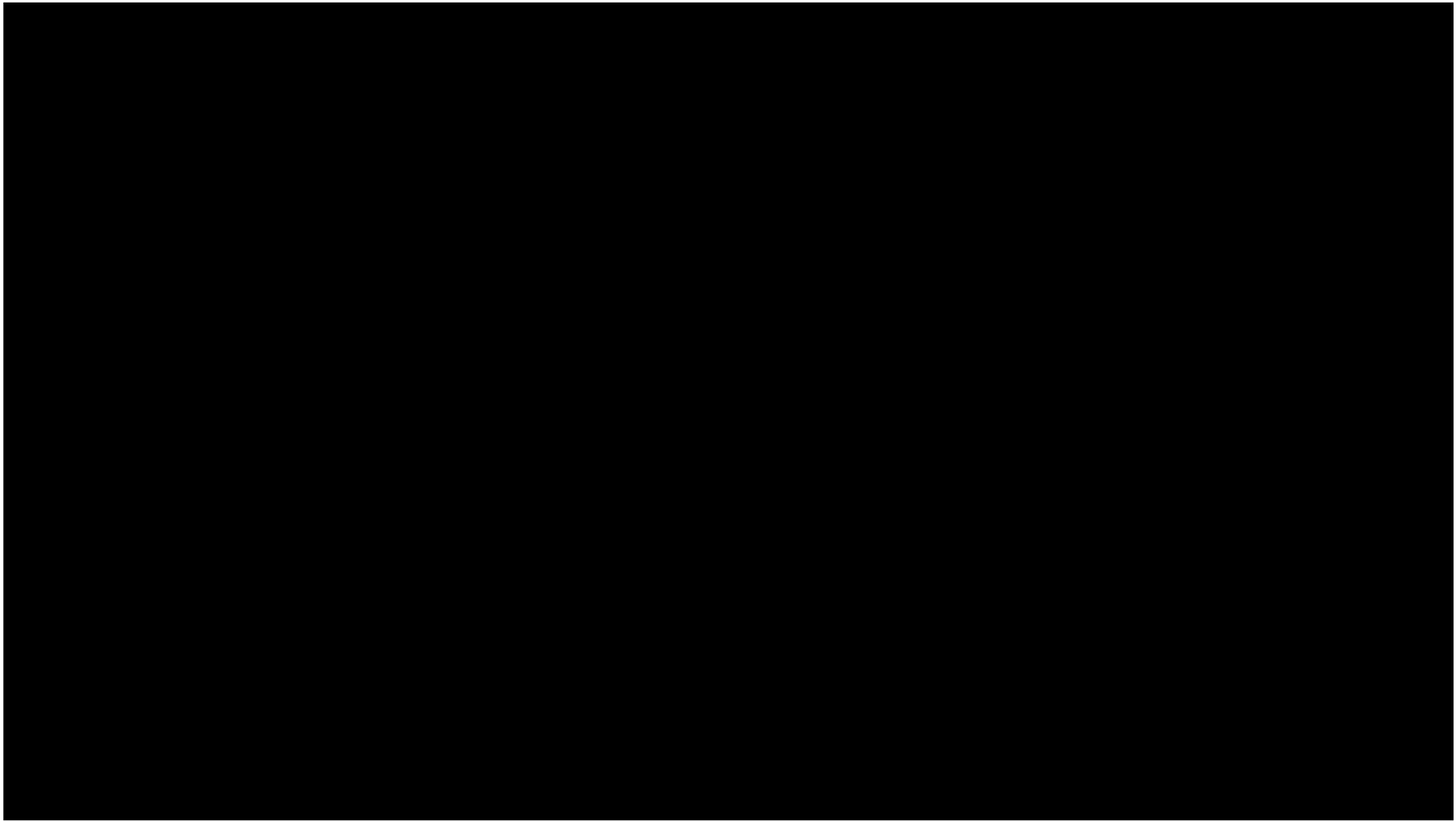
Mouans-Sartoux, France

MEAD (Center for Sustainable Food Education)

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From vulnerability to an exemplar of resilience and sustainability: An Island community working towards a more sustainable world



A research and innovation hub

Solutions for a sustainable and resilient future for the island

Interactive platform connecting the people of Norfolk Island, decision makers, and a global network of experts and communities, to leverage the existing knowledge, solutions and technologies that are available globally.

Community leadership

- Funding for priorities and projects that are self-determined by the community
- Co-design / co-implementation / co-monitoring

Learning, Education and Training

- Knowledge bank/ Research repository
- Local - global connections
- Access to information, knowledge and skills training on priority issues that are self-determined

Ground up policy formulation

- Community participation in the decisions that will shape the future of the Island

Cross-sectoral innovation

- systemic approach to managing sustainability issues
- projects / research in regenerative agriculture, circular economy, smart grids, sustainable transport, eco-tourism