Foresight4Food Webinar Series 2023

Episode 1: Foresight Update Discussion

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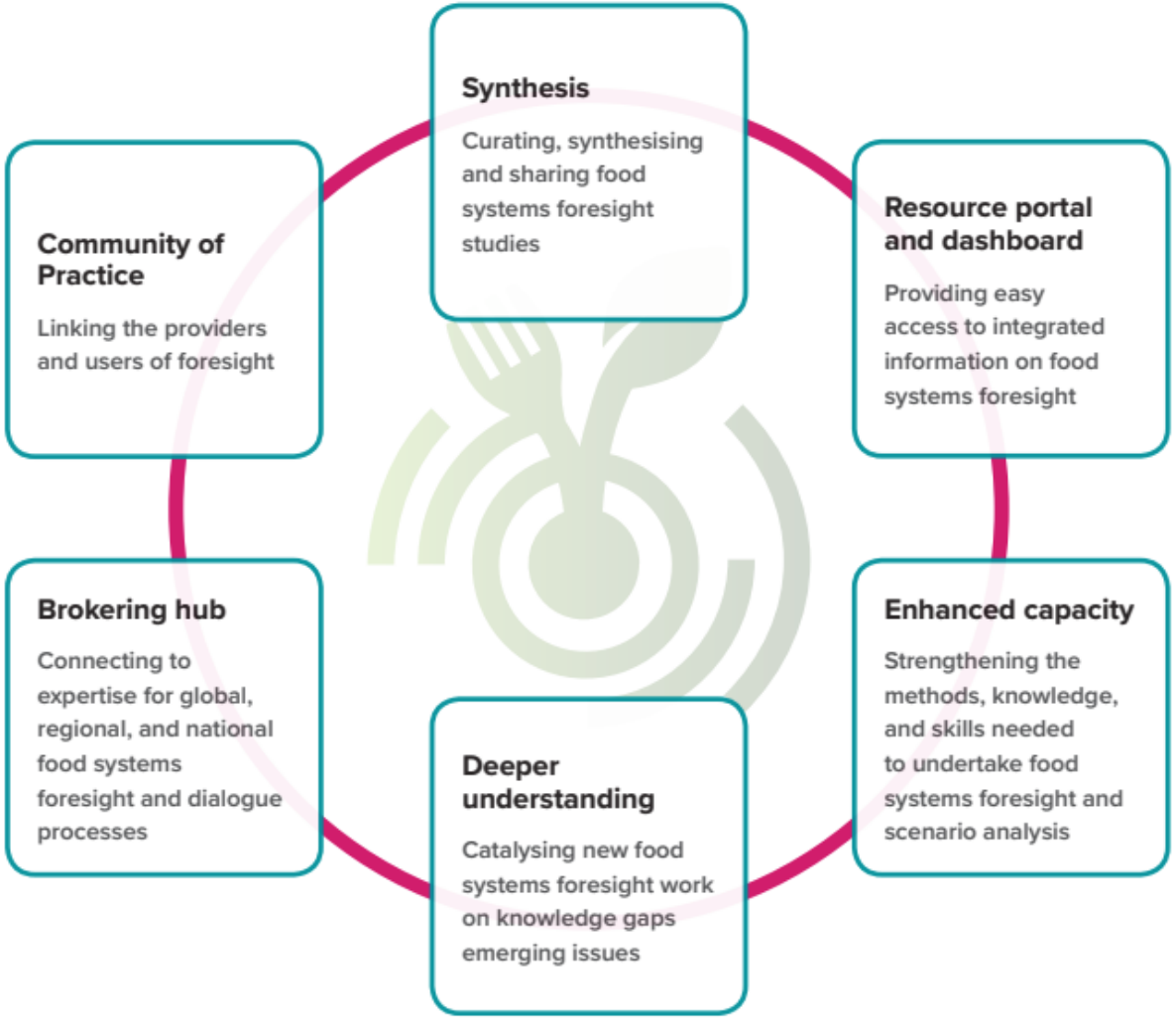
Introducing Foresight4Food

- Network of providers and users of foresight and scenario analysis
- Promotes futures thinking for food systems transformation
- Helps to build capabilities for foresight
- Focus on linking participatory processes and data modelling



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Foresight for Food Systems Transformation (FoSTr) Programme

- Supports the work of Foresight4Food
- Enable foresight work in 5 focus countries
- Implemented by University of Oxford and Wageningen University and Research
- Funded by the Netherlands through the International Fund for Agricultural development (IFAD)

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Webinar Series in 2023

- Regular webinars - next on **23 February**
- Opportunity for practitioners to share their work and learn from others
- Exploring different methods
- Looking at emerging mega-trends and uncertainties in food systems
- Demand driven – welcome to share your ideas!

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Today's Agenda

1. **Setting the scene** – Jim Woodhill, Foresight4Food Lead
2. **Climate Foresight for Agri-food Systems in Lao PDR** - Rathana Peou Norbert Munns, Climate Foresight and Scenarios Development Expert at UN FAO
3. **CGIAR Initiative on Foresight & Metrics** – Keith Wiebe, Senior Research Fellow at IFPRI
4. **Foresight4Food and the Dhaka Food Agenda 2041 –** Jim Woodhill
5. **Q&A and Discussion**

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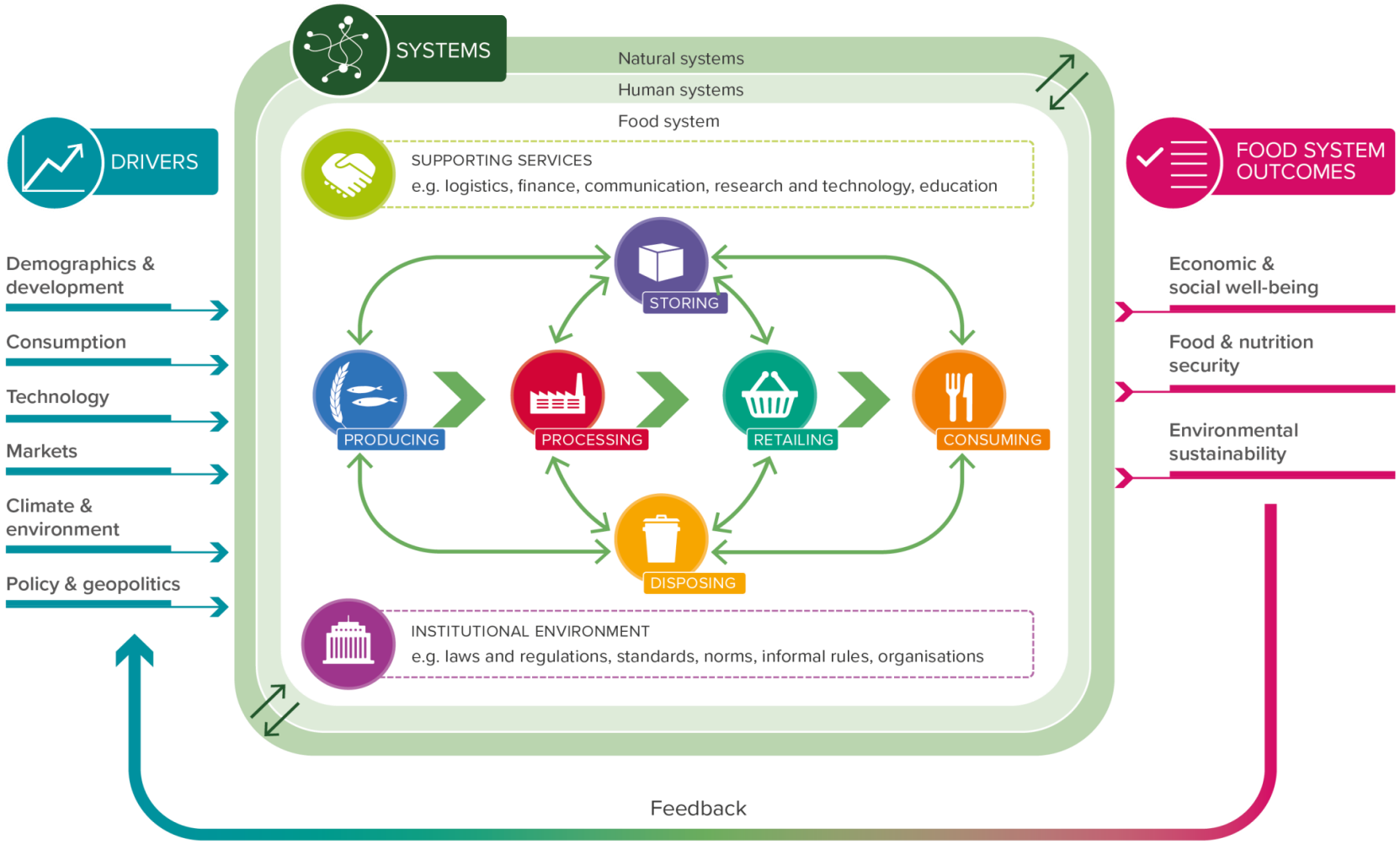
Foresight for food systems change



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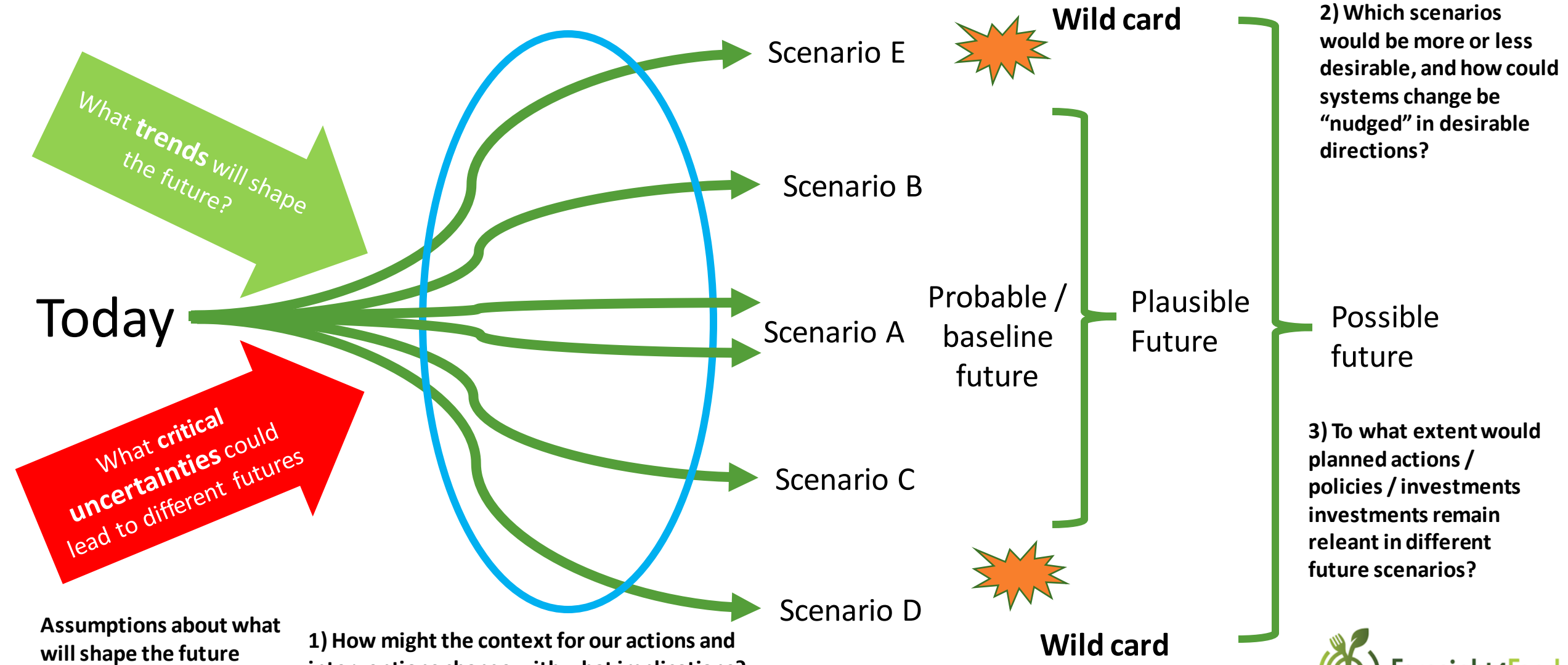
What is Foresight Scenarios Analysis

Future - What might the system be like in 10 - 20 years?



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Foresight4Food Approach and Application in Dhaka Food Agenda 2041

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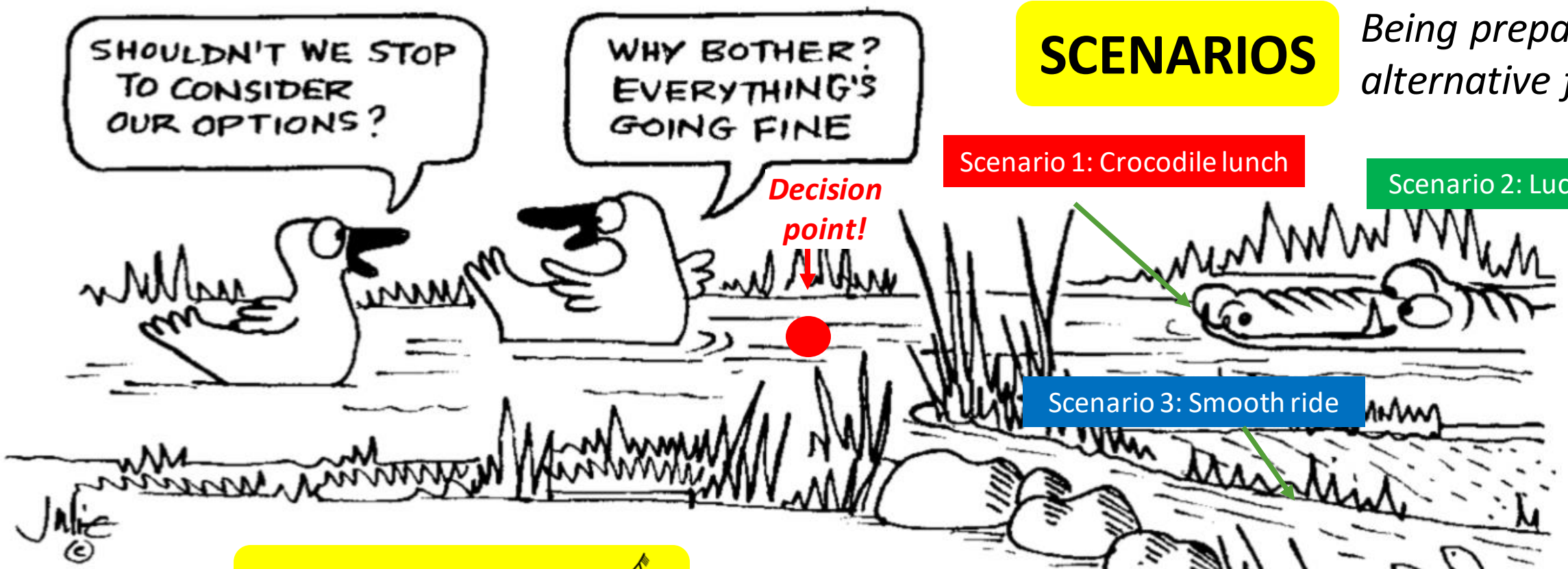
Foresight and Scenarios in Simple Terms



SCENARIOS

Being prepared for alternative futures

FORESIGHT

Thinking about the future to improve decision making today

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Why Foresight and Scenarios

Possible Futures

1) Make explicit the likely **future consequences** of today's actions or lack of action

2) Be aware of future pressures, shocks and risks to a system for enhanced **resilience**

3) Understand **desirable or undesirable future states** of a system

4) Create **Societal understanding** of desirable directions for systemic change

5) Enable anticipatory and adaptive policy and investment processes

The future is created by how it is imagined today!

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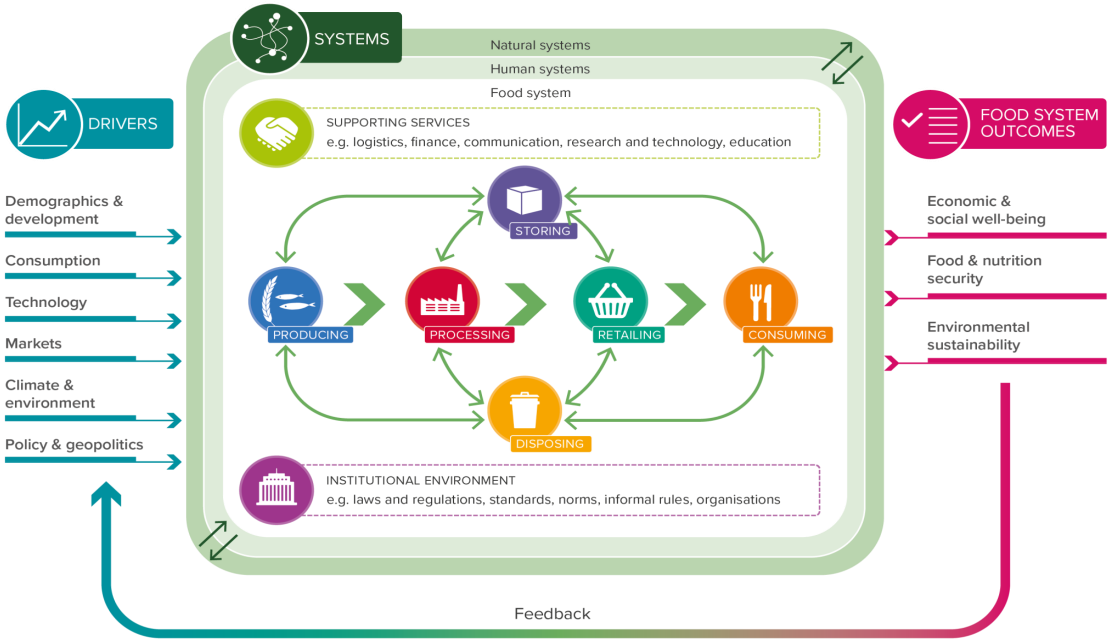
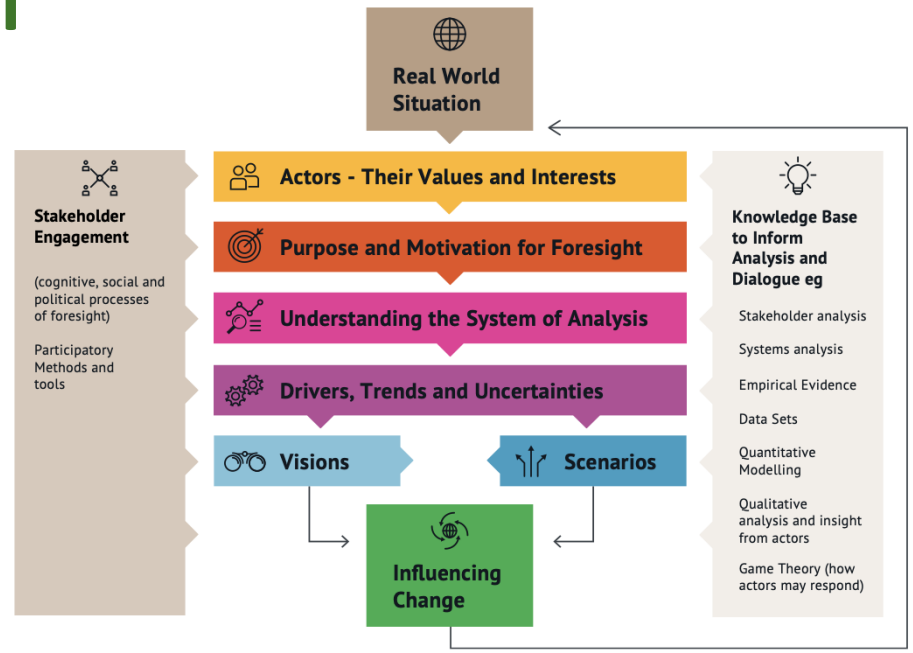
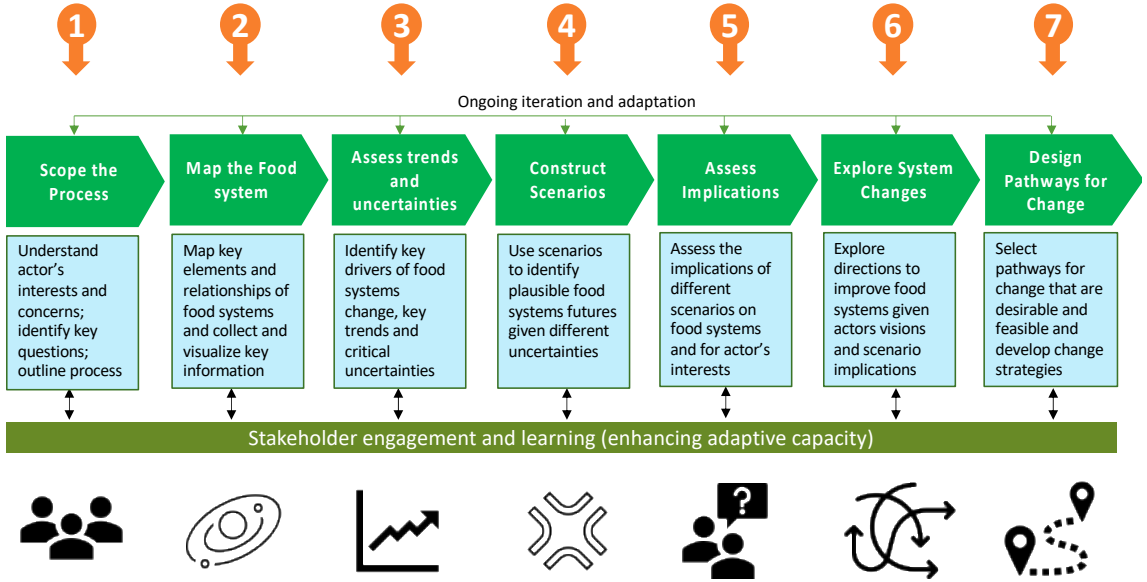
Foresight4Food Approach



Food Systems Model



Foresight Framework



Foresight Process

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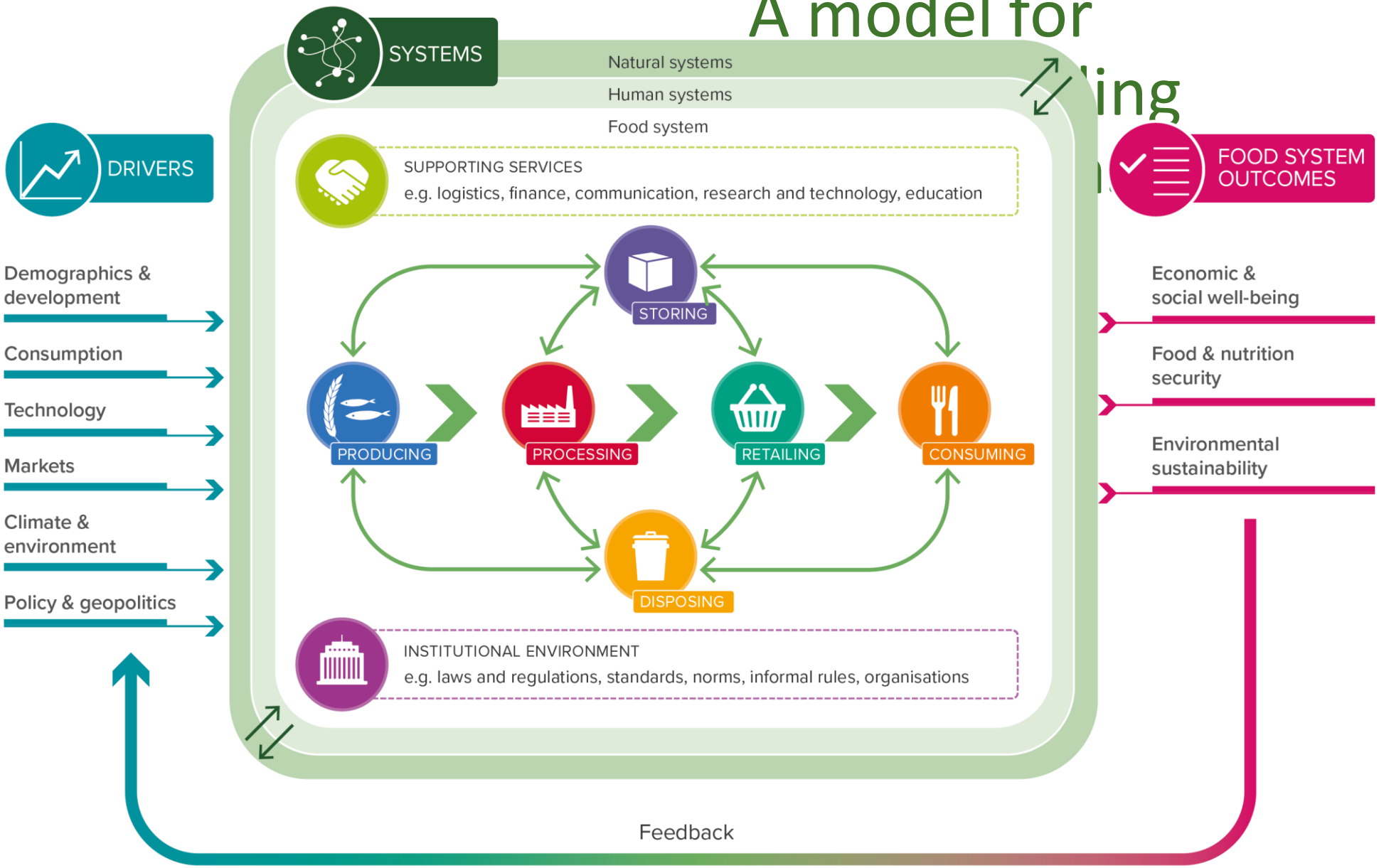
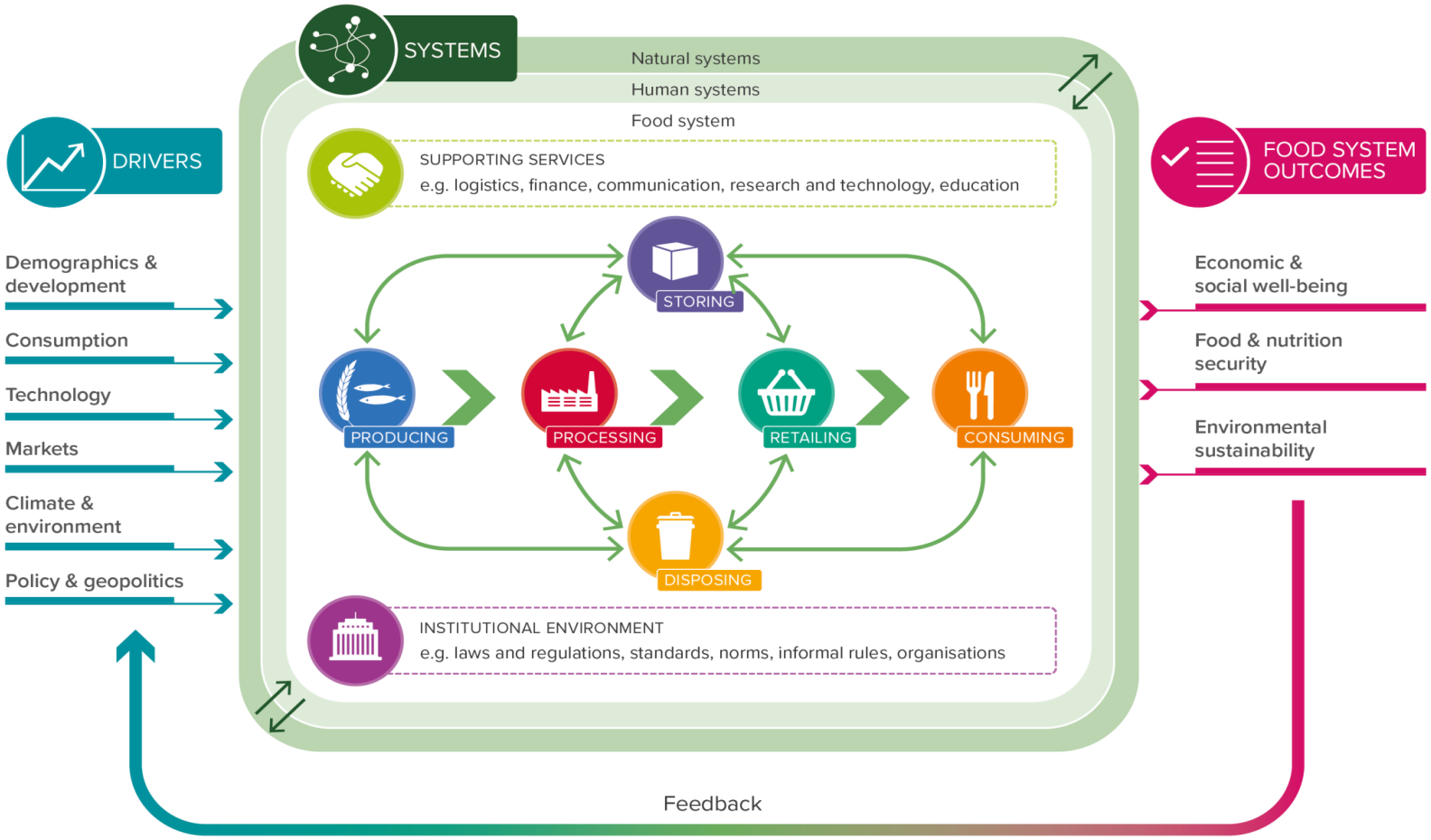
A model for ing



The Food Systems Model



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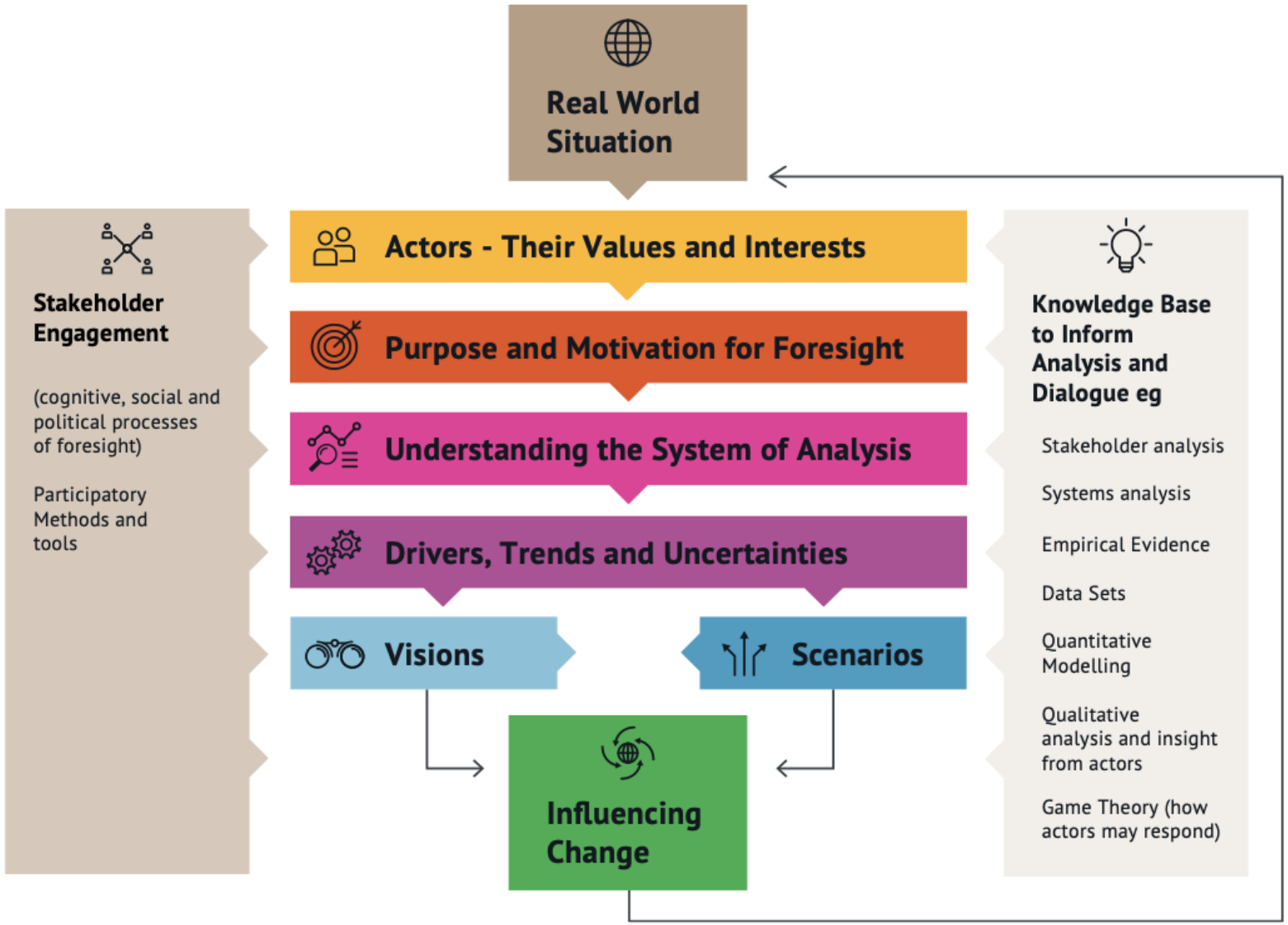
The Foresight4Food Framework



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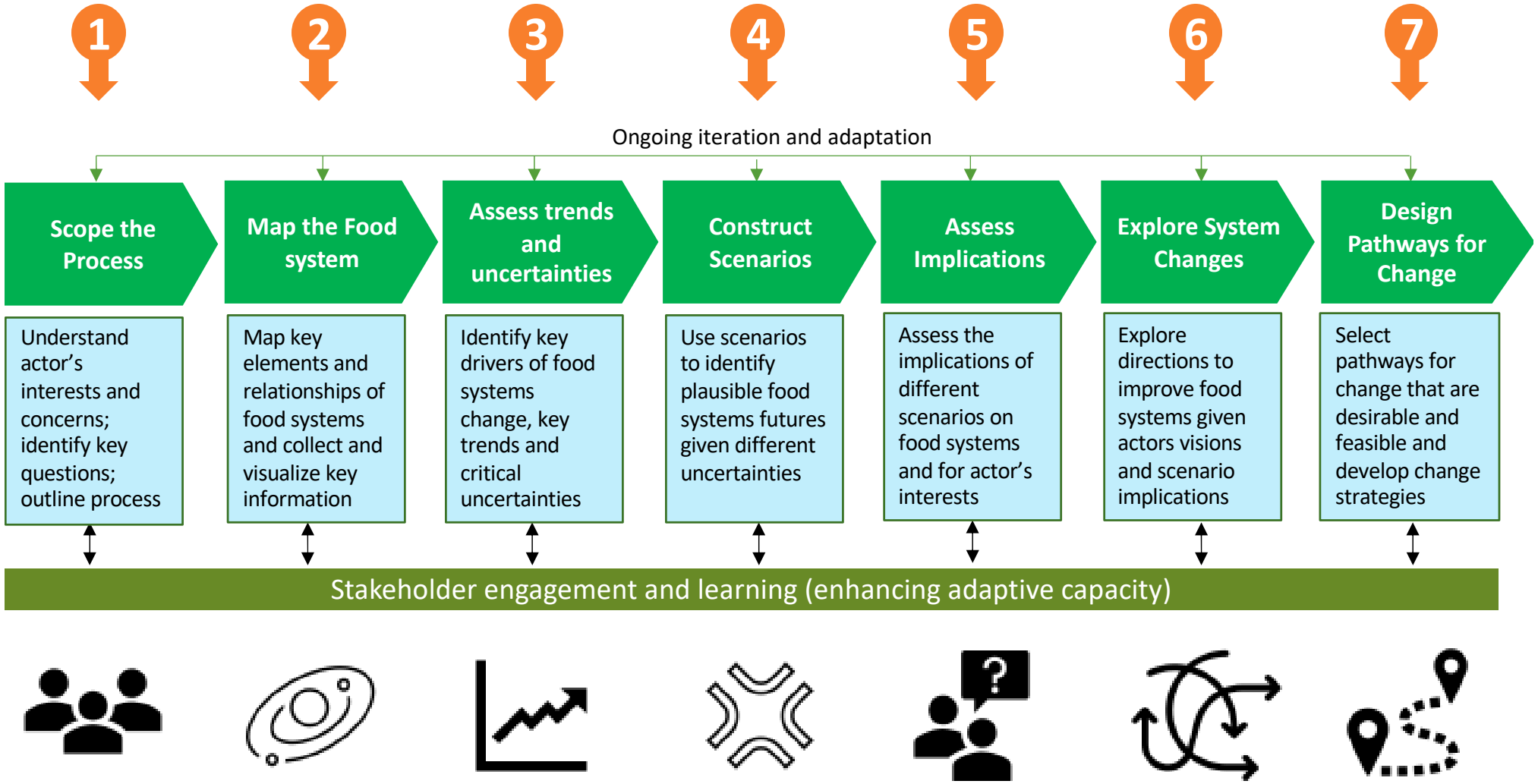
Foresight as a Step-by-Step process



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Application in Dhaka Bangladesh

- Developing Dhaka Food Agenda 2041
- The Dhaka Food Agenda 2041 is a collaborative effort across Bangladesh national, local and city governments.
- Supported by FAO and Wageningen University and Research (WUR) with funding from the Netherlands.

dailyobserver

Wednesday, 6 April, 2022, 5:11 PM

Dhaka Food Agenda 2041 looks to address future needs

Published : Sunday, 3 April, 2022 at 12:00 AM

Business Correspondent

Dhaka faces pressing problems in supplying all its 20 million plus population with affordable, safe, and nutritious food. Experts on Saturday met to take the first steps to formulate the Dhaka Food Agenda 2041 taking aims at developing integrated solutions that will address Dhaka's present and future food needs.

Dhaka, which comprises four city clustered together - Dhaka North, Dhaka South, Narayangaj, and Gazipur - is on course to become the third largest megacity in the world. Rapid growth has left a mismatch between food needs and what is accessible for certain populations.

One-fifth of Dhaka's population lives below the poverty line and receives inadequate nutrition. There is a lack of availability and access to healthy food and food safety issues pose a serious threat to public health. These issues have all become even more pressing during the COVID-19 pandemic.

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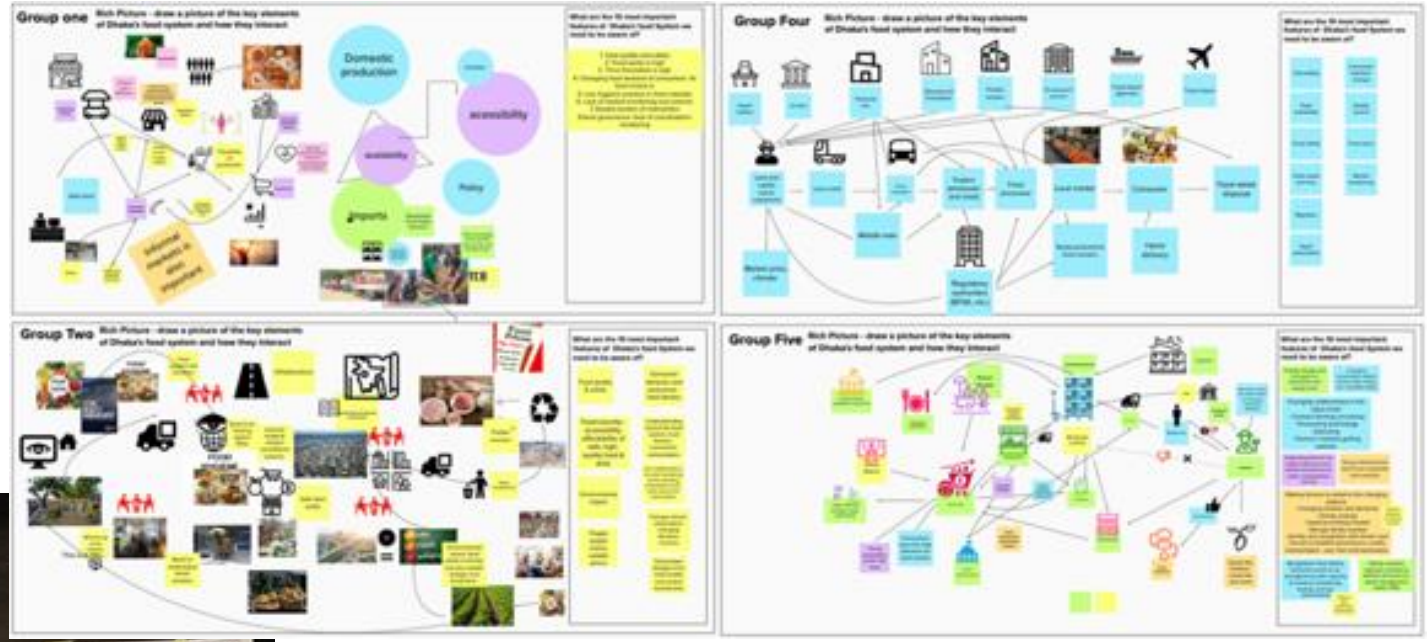
Map the Food System – Rich Pictures for Shared Understanding

Map the Food system

Map key elements and relationships of food systems and collect and visualize key information



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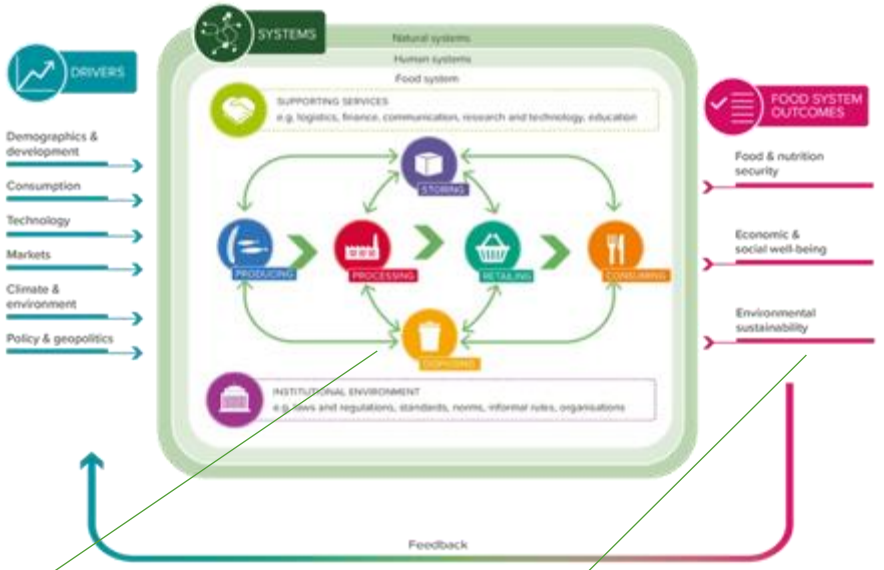
Map the Food System – Data on Dhaka's Food System

Map the Food system

Map key elements and relationships of food systems and collect and visualize key information



Food system drivers

Demographics
- Total population and growth
- Share of urban population

Climate and Environment
- Flooding and food production
- Drought and food production

Markets and Trade
- Trade balance
- Key imports and exports

Policy & Public Expenditure
- Total development expenditure and commitments
- Resources to achieve SDG2

Food system activities

Food production & supply
- Farmers and income
- Informality and livelihood
- Agriculture sector share of GDP
- Employment in agriculture
- Agricultural land

Retail
- Fresh markets customers and access
- Growing demand of other retailers

Consumption and diets
- Diets by income
- Consumption projections

Food system outcomes

Nutrition and Health
- Malnutrition
- Overweight and obesity

Economic & Social Wellbeing
- Income level Bangladesh
- Household income DMA
- Inequality

Environmental Sustainability
- Environmental impact of waste
- Use of chemicals in agriculture
- GHG emission in Agri-Food sector

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Critical Uncertainties for Dhaka's Food System Towards 2041

Assess trends and uncertainties

Identify key drivers of food systems change, key trends and critical uncertainties

- Resilience
- Trade
- Equity
- Food price
- Consumption patters
- Business Structure

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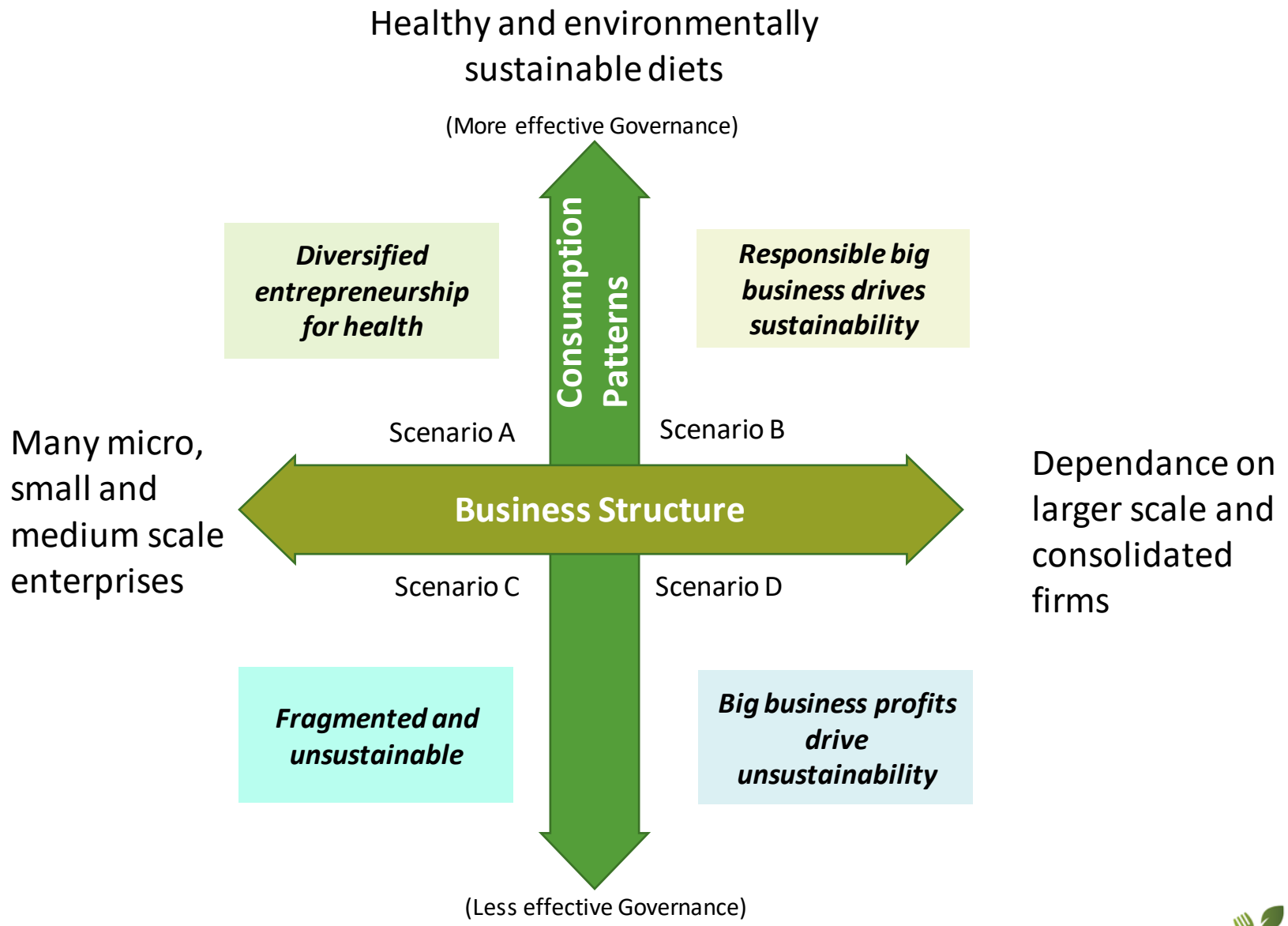
Construct Scenarios – the Scenario Matrix with Secondary Uncertaint

Construct Scenarios

Use scenarios to identify plausible food systems futures given different uncertainties



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Assess Implications – Preliminary Analysis

Assess Implications

Assess the implications of different scenarios on food systems and for actor's interests

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Thank you!

info@foresight4food

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