Agenda

I. Background

II. The evaluation framework
   ▪ Framework components
   ▪ Relationship to other initiatives (SEEA, TEEB, NCP, IW)
   ▪ Progress thus far

III. Demonstrating the framework
   ▪ Introduction to exercise
Background

1. Need
   - Mandate of TEEBAgriFood
   - Address exclusions of yield/ha based assessments
   - Providing what a comprehensive information base would look like

2. Value
   - Pushing research agendas, and informing policies
   - Transparency to assessments
   - Establishing a common language

3. Guiding principles
   - Comprehensive
     - Entire value chain
     - All capitals (stocks and flows)
   - Universal
   - Inclusive
Organizing a comprehensive information base for assessing our food systems – palm oil
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- Oil Palm Fruit yield (AG & FOOD GOODS and Services FLOWS)
- Transportation from mill to port
- Loss in ecosystem services (IMPACTS)
- Deforestation & Biodiversity loss (OUTCOMES)
- Higher food security (OUTCOMES)
- Social capital STOCK
- Natural capital STOCK
- Respiratory diseases (OUTCOMES)
- Smog from Deforestation (RESIDUAL FLOWS)
- Labor, fertilizer, water (CAPITAL INPUT FLOWS)
- Increased health costs (IMPACTS)
- Obesity (OUTCOMES)
- Human capital STOCK

Produced capital STOCK

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Produced capital STOCK
The TEEBAgriFood evaluation framework

**IMPACTS**
- Contribution to human well-being = “value additions”

**OUTCOMES**
- Changes in the capital base

**FLOWS**
- Through the value chain “visible and invisible”

**STOCKS**
- Capital base for production

**AGRI-FOOD VALUE CHAIN**
- Agricultural production
- Manufacturing & Processing
- Distribution, Marketing & Retail
- Household consumption

**AGRICULTURAL AND FOOD OUTPUTS**
- Agricultural and food products, income (value added, operating surplus), and subsidies, taxes and interest

**ECOSYSTEM SERVICES**
- Provisioning (biomass growth, freshwater), regulating (pollination, pest control, nutrient cycling), and cultural (landscape amenity)

**PURCHASED INPUTS**
- Labor inputs (incl. skills), and intermediate consumption (produced inputs such as water, energy, fertilizers, pesticides, animal health and veterinary inputs)

**RESIDUALS**
- Agricultural and food waste, GHG emissions, other emissions to air, soil and water, wastewater, and solid waste and other residuals

**NATURAL CAPITAL**
- Water, soil, air, vegetation cover and habitat quality, biodiversity, etc.

**PRODUCED CAPITAL**
- Buildings, machinery and equipment, infrastructure, research and development, finance, etc.

**HUMAN CAPITAL**
- Education/skills, health, working conditions, etc.

**SOCIAL CAPITAL**
- Land access/tenure, food security, opportunities for empowerment, social cooperation, institutional strength, laws and regulations, etc.
Fix food metrics

For sustainable, equitable nutrition we must count the true global costs and benefits of food production, urge Pavan Sukhdev, Peter May and Alexander Müller.
Introduction to exercise

1. Incorporate all capitals
2. Think systemically
3. Using a common language to describe different systems

• Morning session
  • Three different commodities
  • Describe your own system

• Afternoon session
  • Supporting analysis from different entry points
  • Define your own questions
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