



# Introduction to SUSFANS Conceptual Framework and sustainability metrics up to date

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METRICS, MODELS AND FORESIGHT FOR  
EUROPEAN SUSTAINABLE FOOD AND  
NUTRITION SECURITY - SUSFANS  
H2020-SFS19A  
Grant 633659  
for the execution of the project  
over 2015 to 2019

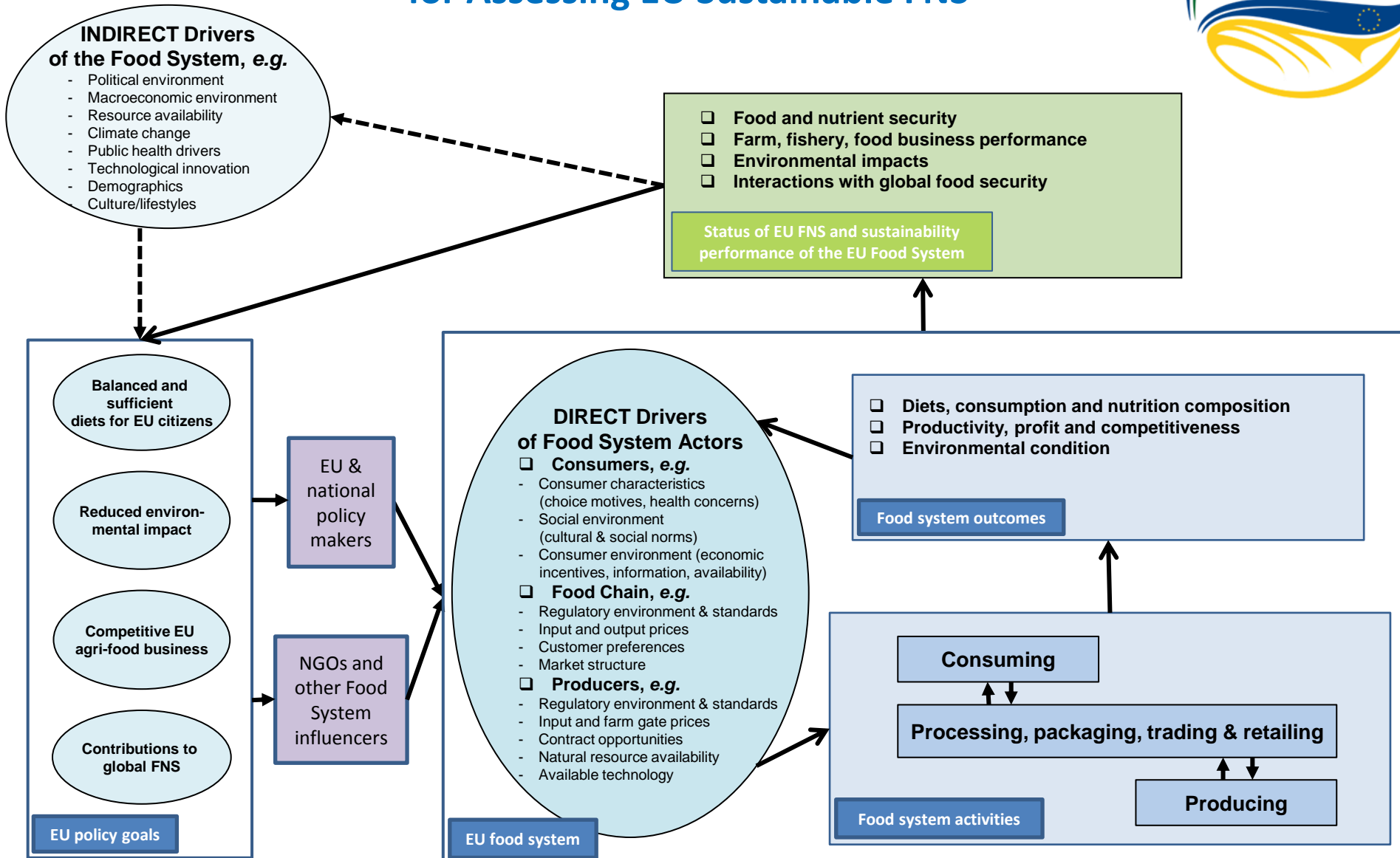


# What is a food system?

(Tendall et al 2015, Ingram et al. 2010)

- Food systems are complex **social–ecological systems**, formed of biophysical and social factors linked through feedback mechanisms.
- They comprise, at a minimum, the **activities** involved in producing, processing, packaging, distributing, retailing and consuming food.
- A food system can be more broadly conceived as including the **determinants (drivers)** and **outcomes** of its activities (FNS & other socio-economic and biophysical).
- The complex interactions of the system and their implications need to be accounted for in the design and implementation of **effective policy and management interventions**.

# SUSFANS Conceptual Framework for Assessing EU Sustainable FNS



# Purpose of the conceptual framework

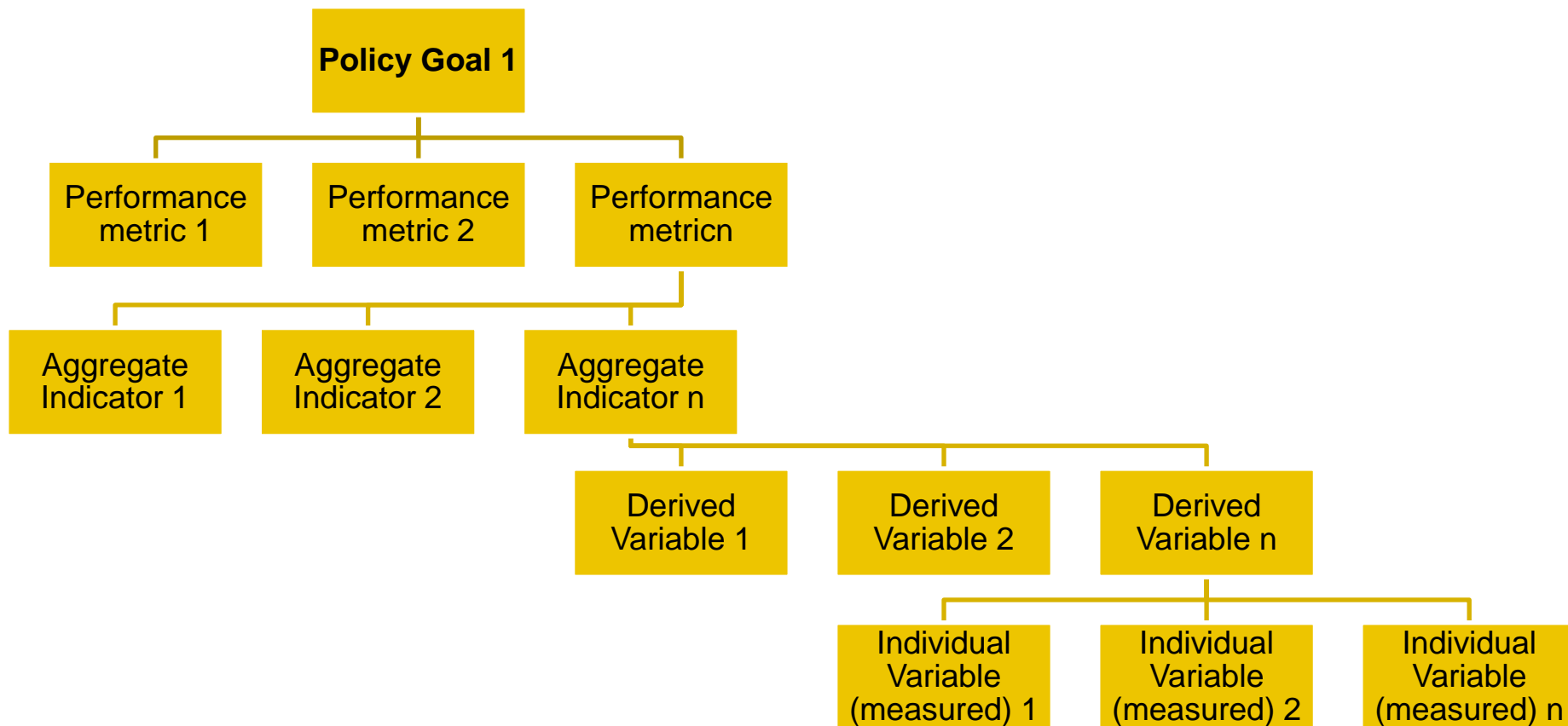
- To provide a 'concise' picture of all food system components and their interactions relevant for analysis
- Provide a checklist for all the metrics we would ideally like to have to assess the EU food system (and show gaps in data etc.)
- Provide a roadmap for a coherent analysis across all participating disciplines and project partners

# Value of the CF

It helps to:

1. identify linkages between sustainable food system activities and FNS outcomes.
2. map and model the hierarchical feedbacks.
3. map the various actors and their place in the system.
4. map bottlenecks and potential solutions.
5. define the food systems performance metrics.
6. map the impacts and winners and losers of potential policy, technical, financial, social interventions.
7. map potential trade-offs and synergies between policy goals.

# Metrics on sustainable FNS: How we define metrics, indicators and variables



# WG 1-4: Questions to discuss (1)

## A general question:

- What do you see as the main blockages in moving towards a balanced diet and a sustainable food system?

## On the **Conceptual Framework**:

- Does the proposed CF capture all the key elements that you feel are needed to describe the EU food system and its outcomes?
- Does the CF allow you to map the blockages and solutions?
- What are we missing?

# WG 1-4: Questions to discuss (2)

## On the **Metrics**:

Given the hierarchy of metrics we are proposing,

- What additions and changes do you propose to the draft performance metrics?
- How detailed do you need information to help overcome the blockage?
- At which level of product, spatial and temporal resolution?
- At which level of integration?





Thank you!

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