



# Using the Food Systems Dashboard *for policymakers and researchers*

# What is the Food Systems Dashboard?

The Food Systems Dashboard (FSD) combines data from multiple sources to give a complete view of food systems and is organized around three pillars: Describe, Diagnose, and Decide.

It enables users to:

View summaries of countries' food systems.

Compare food system drivers, components, and outcomes across countries and regions, or to global averages.

Gain insights into challenges and identify actions to improve nutrition, health, and environmental outcomes.



The screenshot displays the Food Systems Dashboard interface. At the top, there is a navigation bar with the dashboard logo and menu items: Global Data, Country Profiles, Compare, and Information. The main content area is divided into three sections:

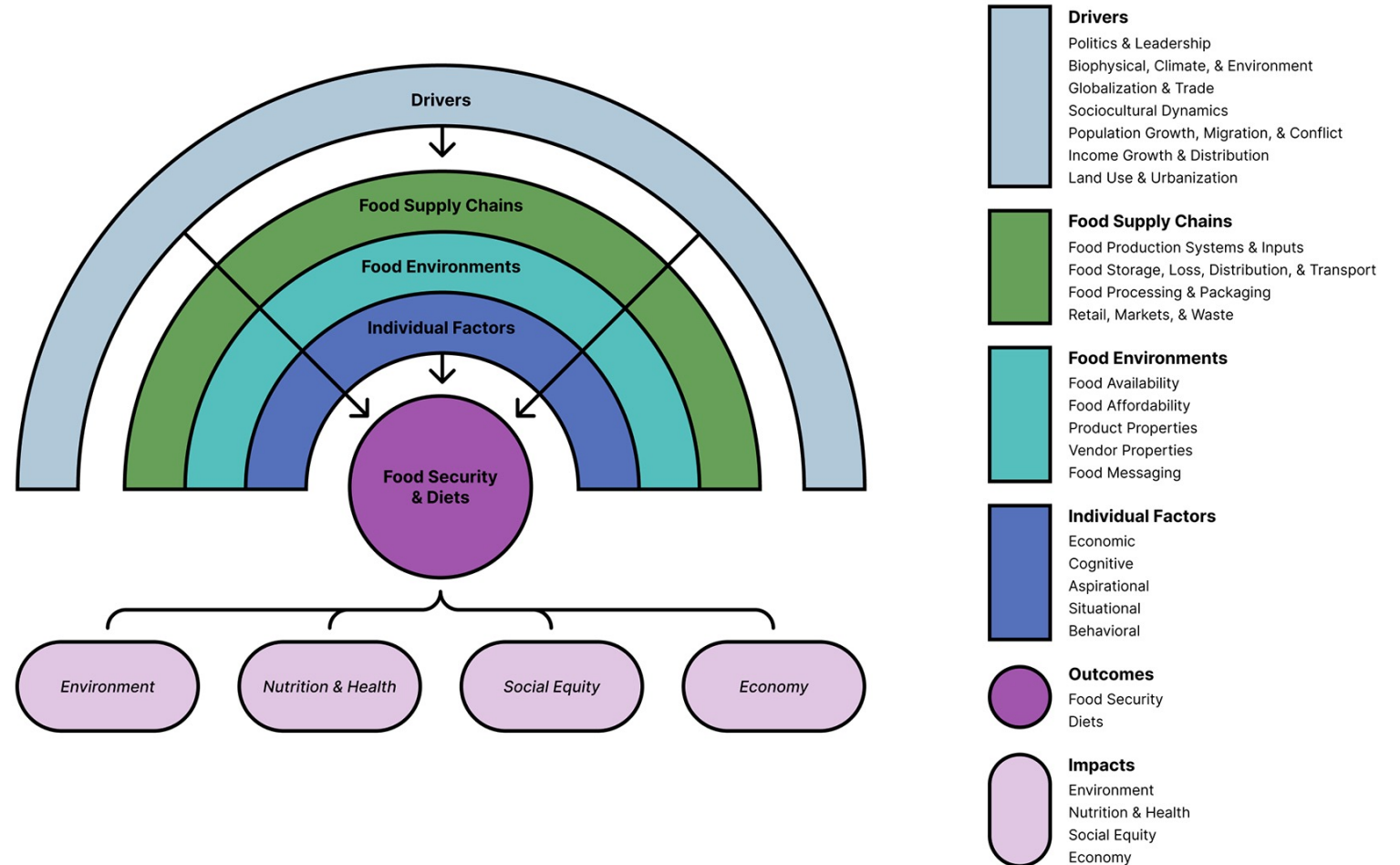
- Global Data:** Features a world map and a list of indicators such as 'Population growth (annual)', 'Drivers', 'Population growth and migration', 'Increase in agricultural land', 'Soil crop richness', 'Riverside impact of food', 'Application of food', 'Problems of food', 'Link to food', and 'Level of consumption'. Below the map is a 'Global Data' card with the text: 'View global data for hundreds of indicators spanning every aspect of food systems.' and a right-pointing arrow.
- Country Profiles:** Features a line graph titled 'Population growth (annual)' comparing Cuba, Caribbean, and World from 1960 to 2000. Below the graph is a 'Country Profiles' card with the text: 'Dive into country-specific data, including our Diagnose and Decide scorecard.' and a right-pointing arrow.
- Policies and Actions:** Features a list of action items with descriptions and icons. Below the list is a 'Policies and Actions' card with the text: 'Explore evidence-based interventions that can help improve outcomes of food systems.' and a right-pointing arrow.

At the bottom of the dashboard, there is a section titled 'ABOUT THE FOOD SYSTEMS DASHBOARD' with the following text: 'The Food Systems Dashboard combines data from multiple sources to give users a complete view of food systems. Users can compare components of food systems across countries and regions. They can also identify and prioritize ways to sustainably improve diets and nutrition in their food systems.' Below this text is a 'More About the Food Systems Dashboard' button. To the right, there is a 'LEARN ABOUT FOOD SYSTEMS' section with the text: 'The food system is all of the people and activities that play a part in growing, transporting, supplying, and, ultimately, eating food.' and a 'More About Food Systems' button.

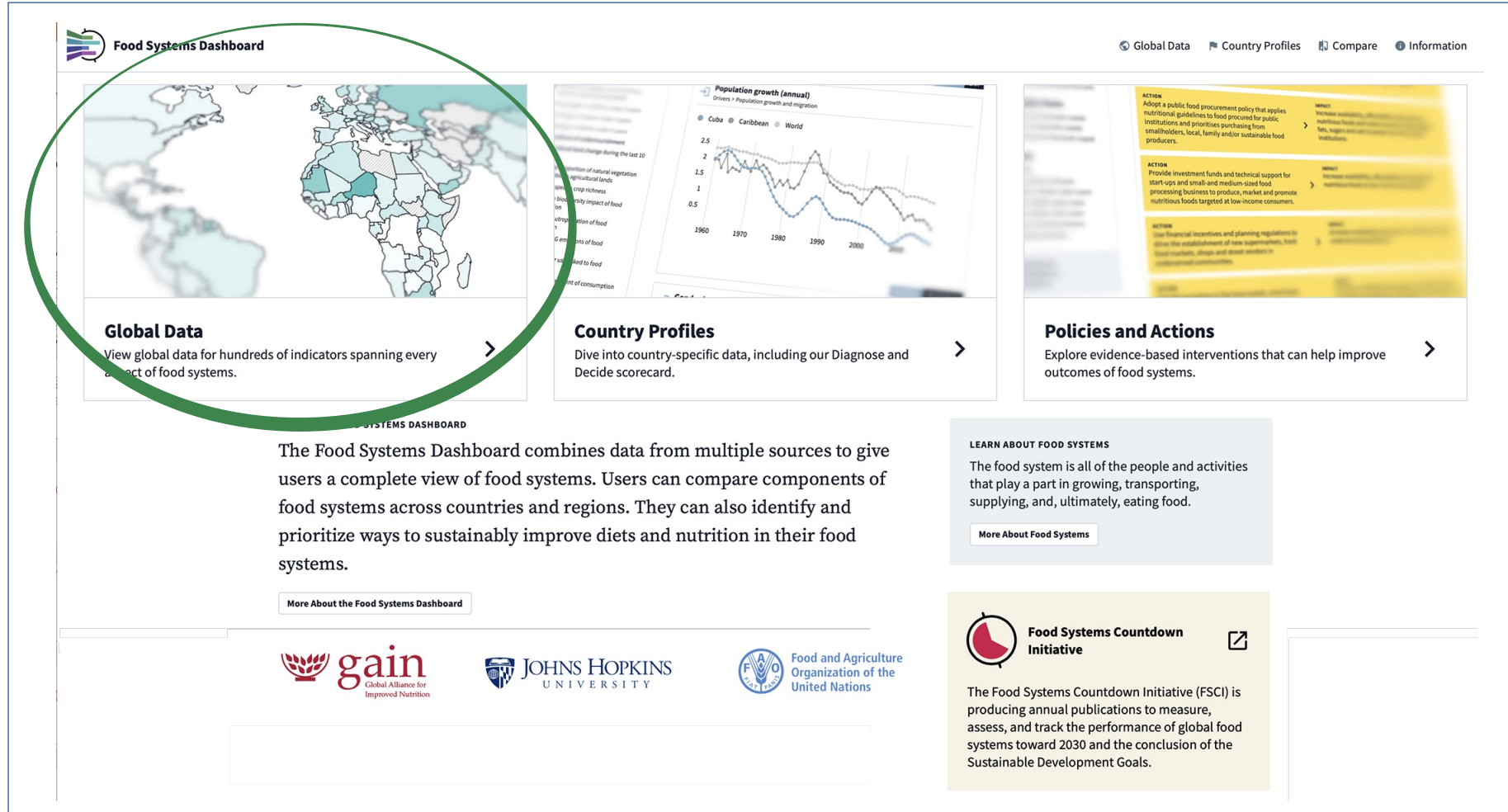
The footer of the dashboard includes the logos for gain (Global Alliance for Improved Nutrition), Johns Hopkins University, and the Food and Agriculture Organization of the United Nations.

## How the Food Systems Dashboard is organized?

- The FSD contains over 225 indicators that measure components, drivers, and outcomes of food systems at the country level.
- The indicators are organized by food system component, based on the framework shown here.



# Data are available in different formats - Let's look at the Global Data section



The screenshot shows the Food Systems Dashboard interface. At the top, there is a navigation bar with the dashboard logo and the text "Food Systems Dashboard". To the right of the navigation bar are links for "Global Data", "Country Profiles", "Compare", and "Information". The main content area is divided into three columns:

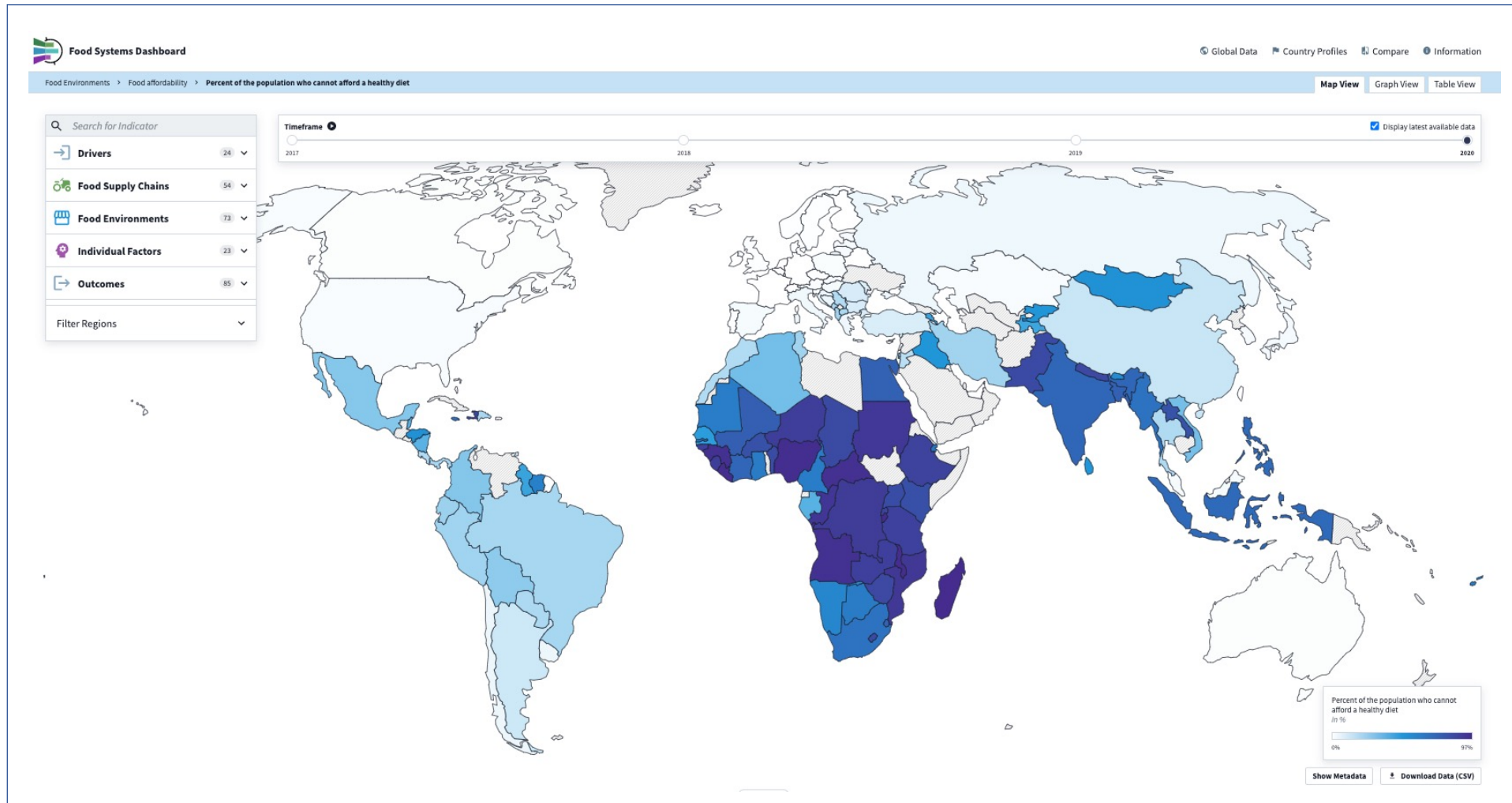
- Global Data:** This section is highlighted with a green circle. It features a world map and a description: "View global data for hundreds of indicators spanning every aspect of food systems." Below the map, there is a list of indicators including "Percentage of natural vegetation", "Percentage of agricultural lands", "Crop richness", "Ecological footprint", "Water use", "Greenhouse gas emissions", "Food loss and waste", and "Percentage of population consuming".
- Country Profiles:** This section features a line graph titled "Population growth (annual)" with the subtitle "Drivers: Population growth and migration". The graph shows population growth trends for Cuba, the Caribbean, and the World from 1960 to 2000. Below the graph is a description: "Dive into country-specific data, including our Diagnose and Decide scorecard."
- Policies and Actions:** This section features a yellow background with several action items:
  - ACTION:** Adopt a public food procurement policy that applies nutritional guidelines to food procured for public institutions and prioritizes purchasing from smallholders, local, family and/or sustainable food producers.
  - ACTION:** Provide investment funds and technical support for start-ups and small and medium-sized food processing businesses to produce, market and promote nutritious foods targeted at low-income consumers.
  - ACTION:** Use financial incentives and planning regulations to drive the establishment of new supermarkets, food processors, shops and street vendors in underserved communities.

Below the main content area, there is a section titled "LEARN ABOUT FOOD SYSTEMS" with the text: "The food system is all of the people and activities that play a part in growing, transporting, supplying, and, ultimately, eating food." Below this text is a button labeled "More About Food Systems".

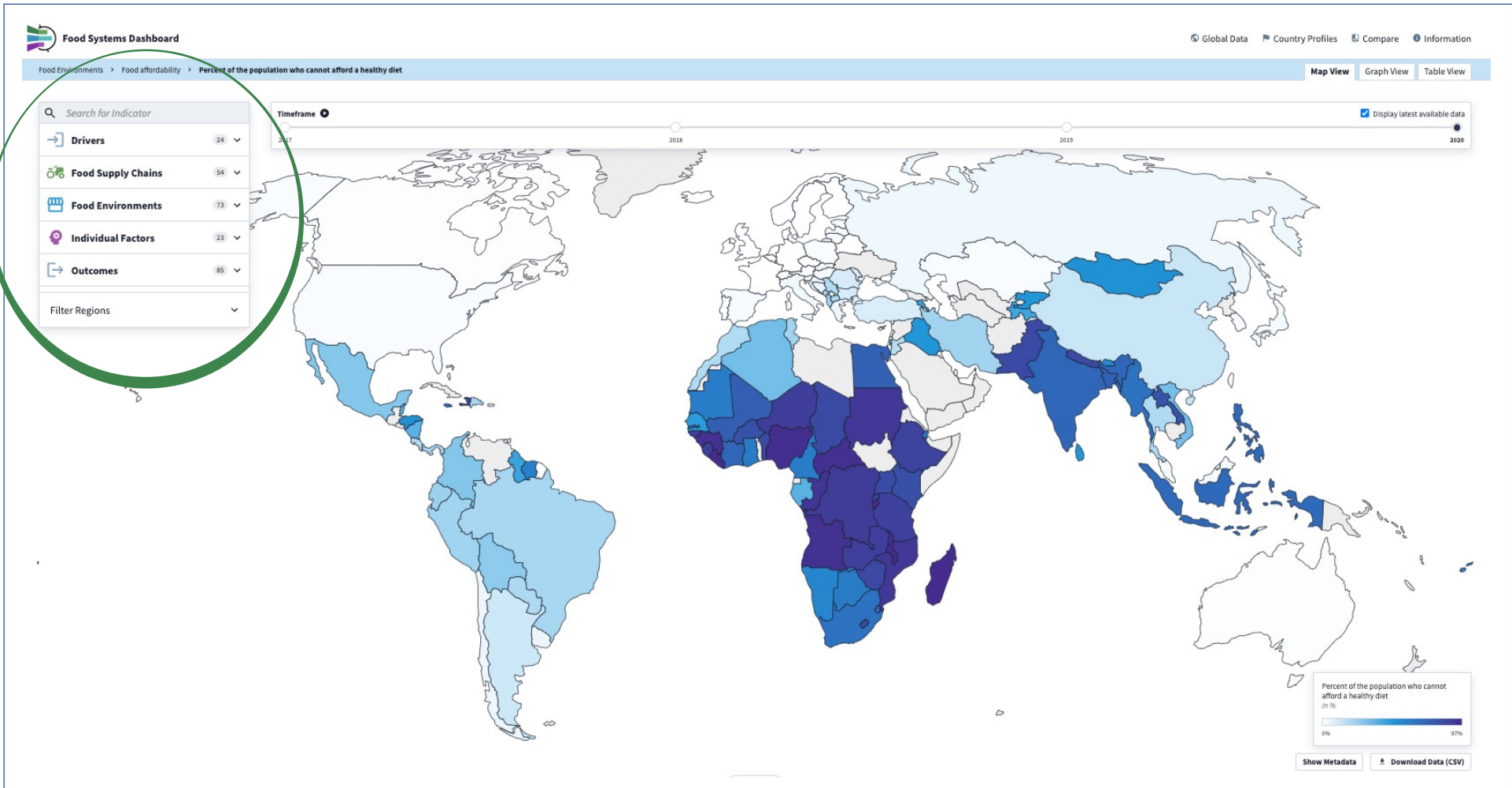
At the bottom of the dashboard, there is a section titled "Food Systems Countdown Initiative" with a circular progress indicator. The text reads: "The Food Systems Countdown Initiative (FSCI) is producing annual publications to measure, assess, and track the performance of global food systems toward 2030 and the conclusion of the Sustainable Development Goals." Below this text is a button labeled "More About the Food Systems Dashboard".

The footer of the dashboard features logos for "gain Global Alliance for Improved Nutrition", "JOHNS HOPKINS UNIVERSITY", and "Food and Agriculture Organization of the United Nations".

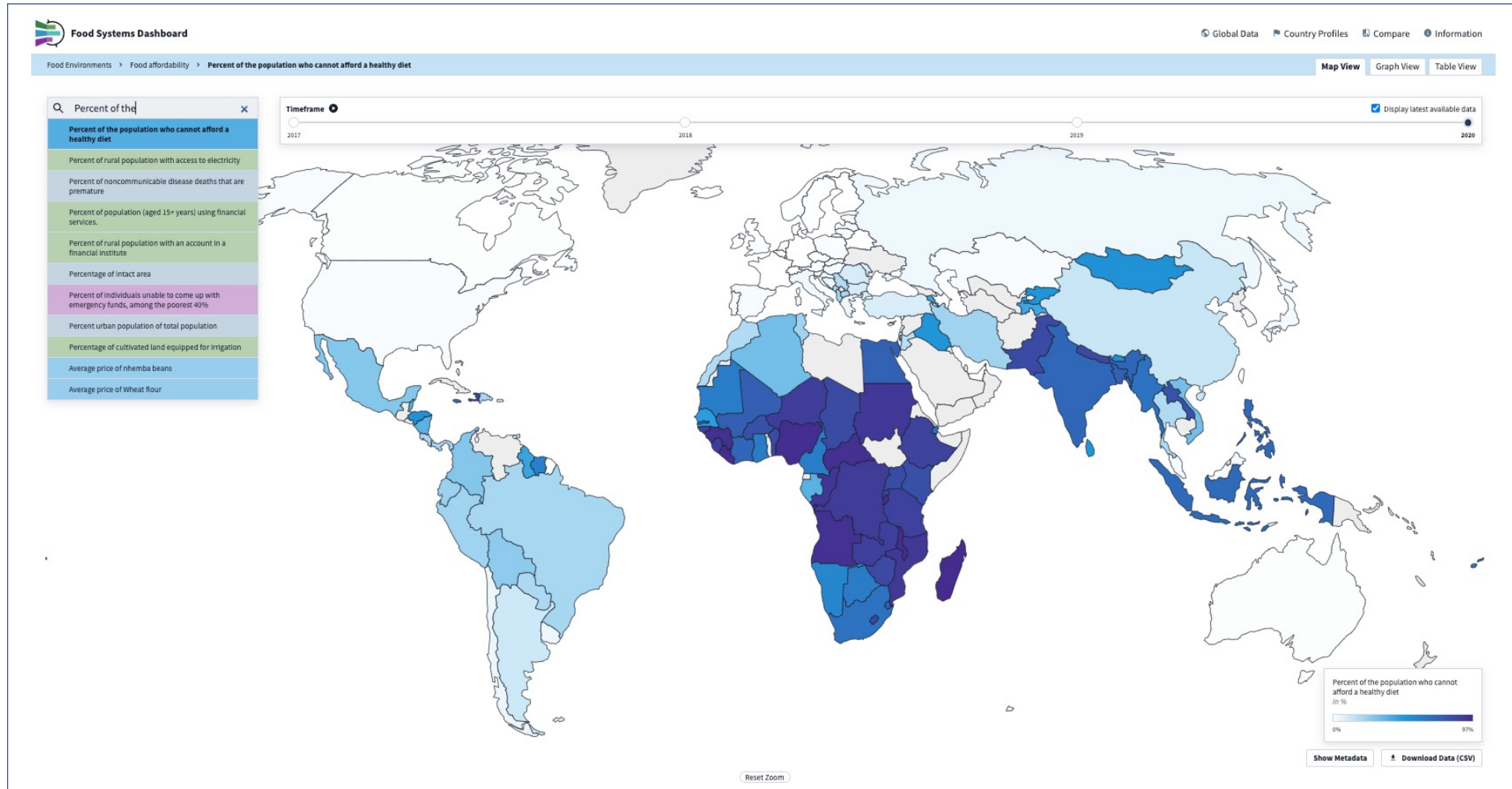
# Data can be viewed in map format and across time points



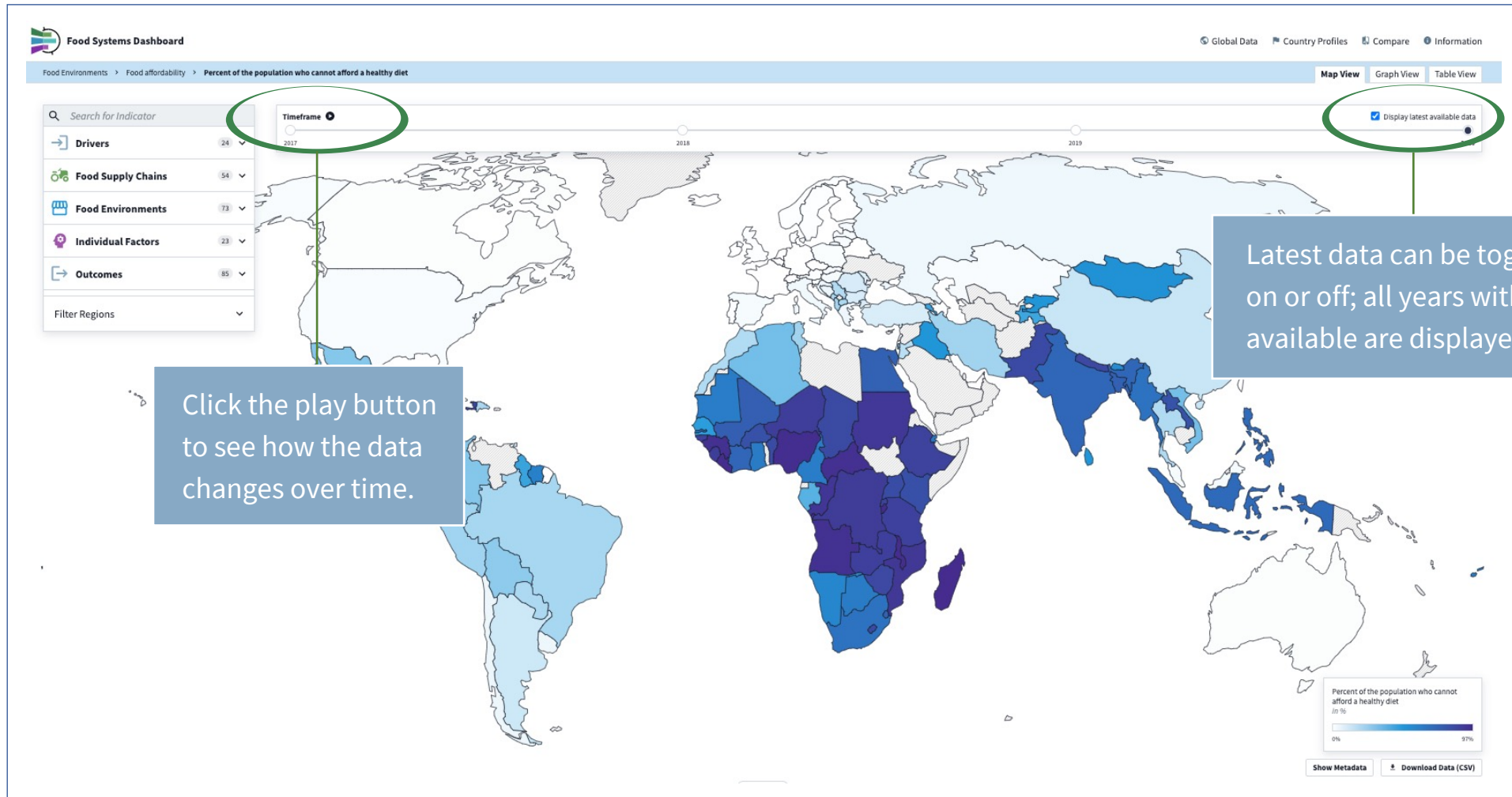
# Users can browse data by food system component



# Or search for a specific indicator



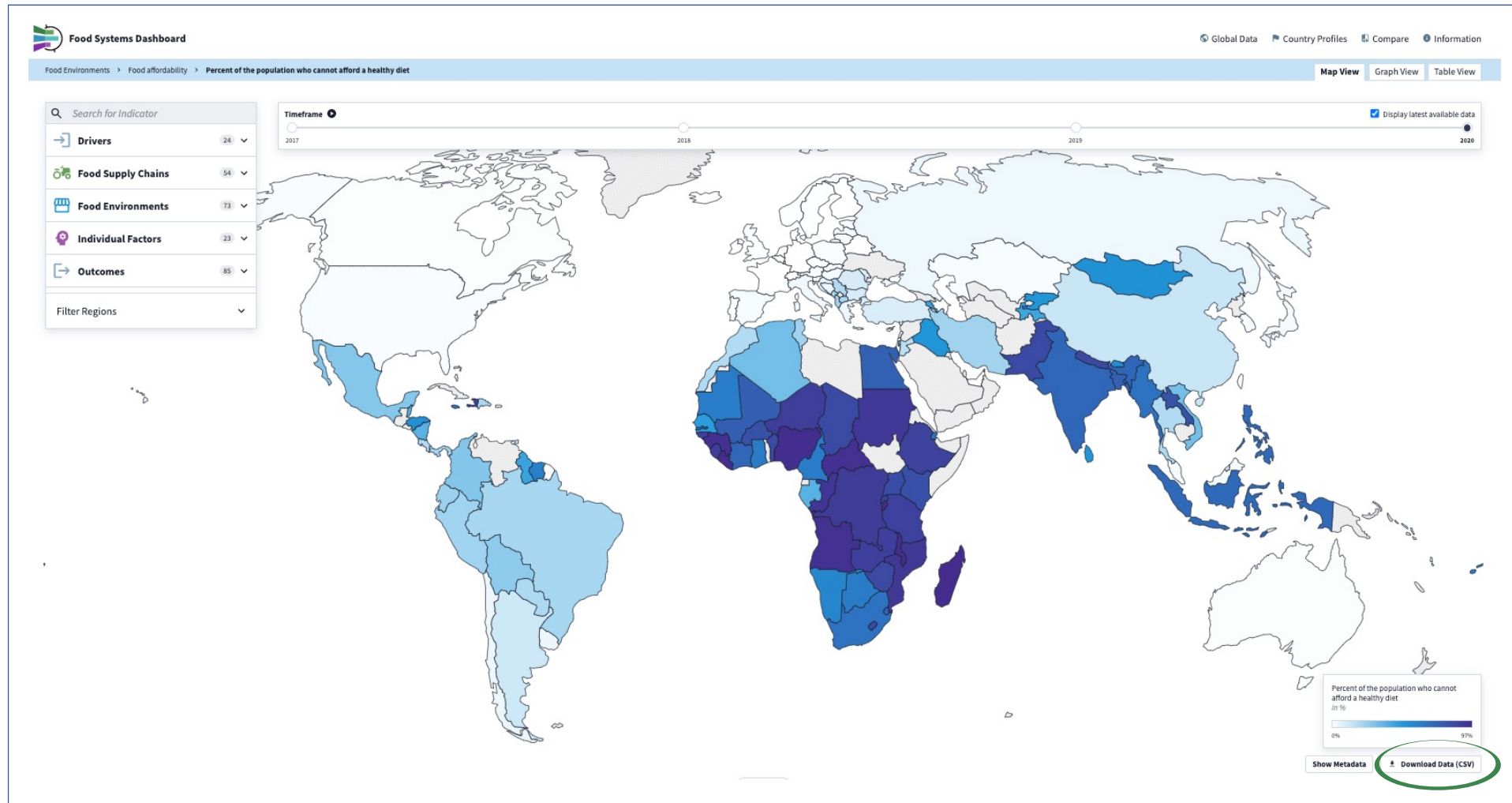
# Data can be visually manipulated in map format



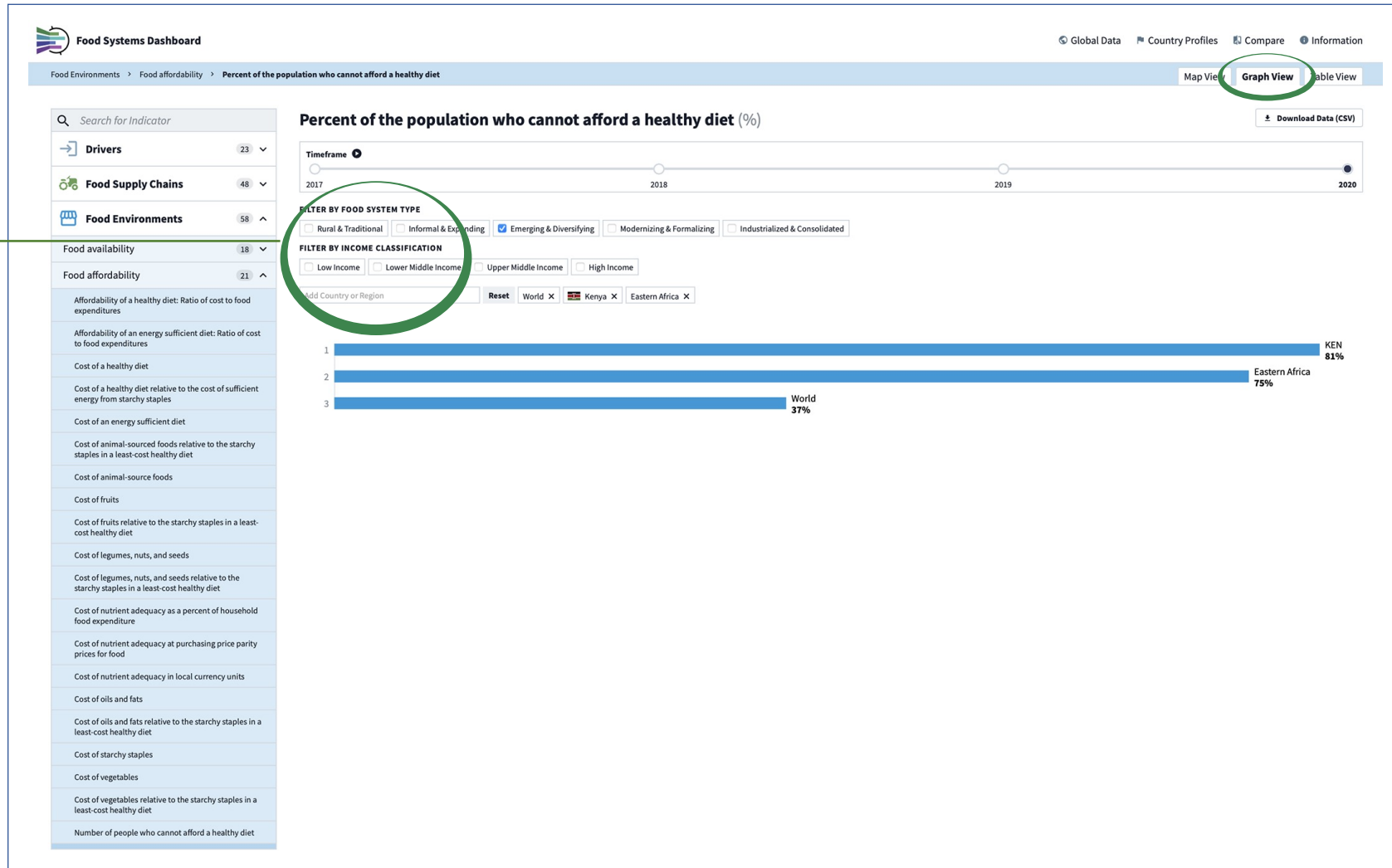




# Or download data in CSV format for further analysis

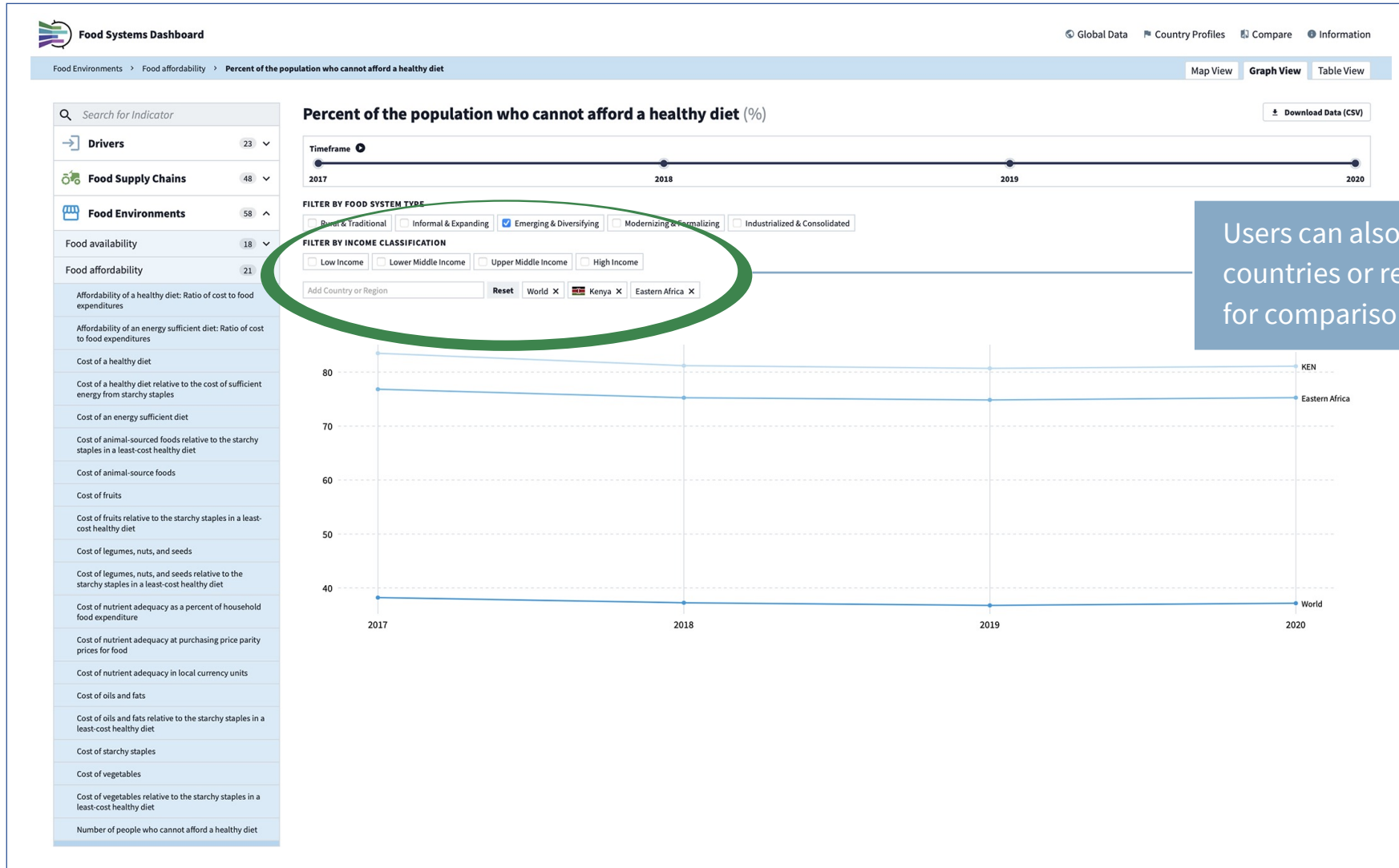


# The graph view provides a snapshot in time for an indicator



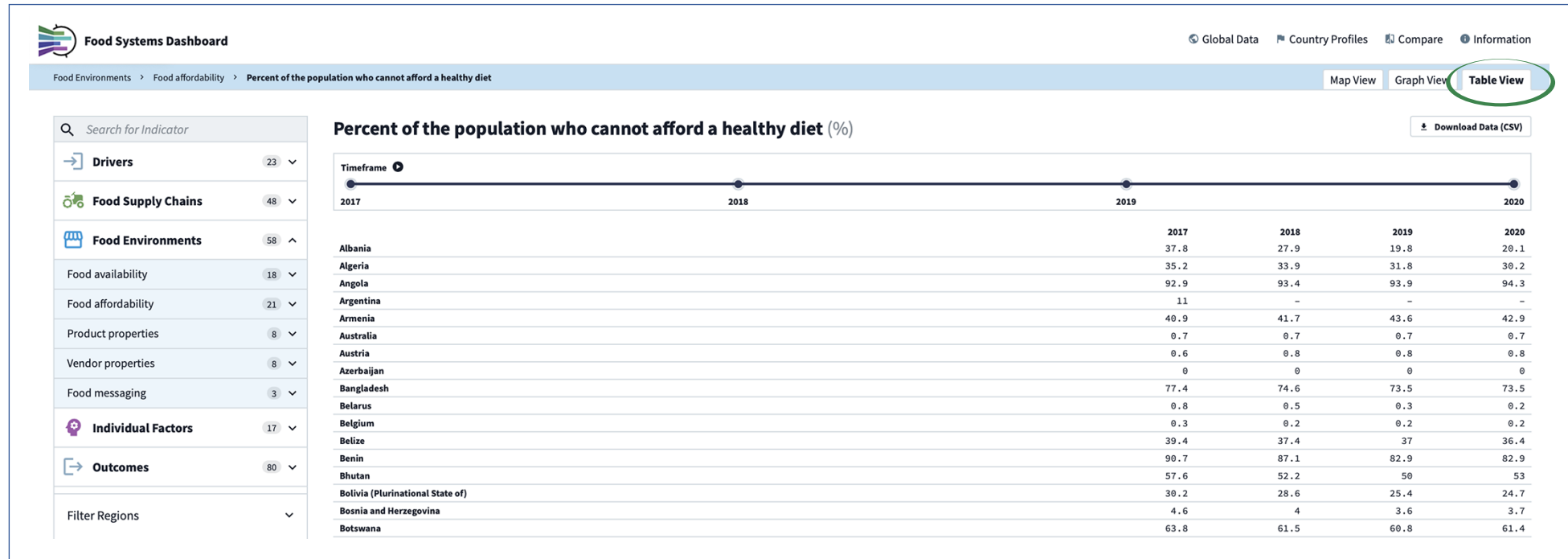
Filter by food system type or income classification and add countries or regions to the graph.

# Or trends over time if all years are selected

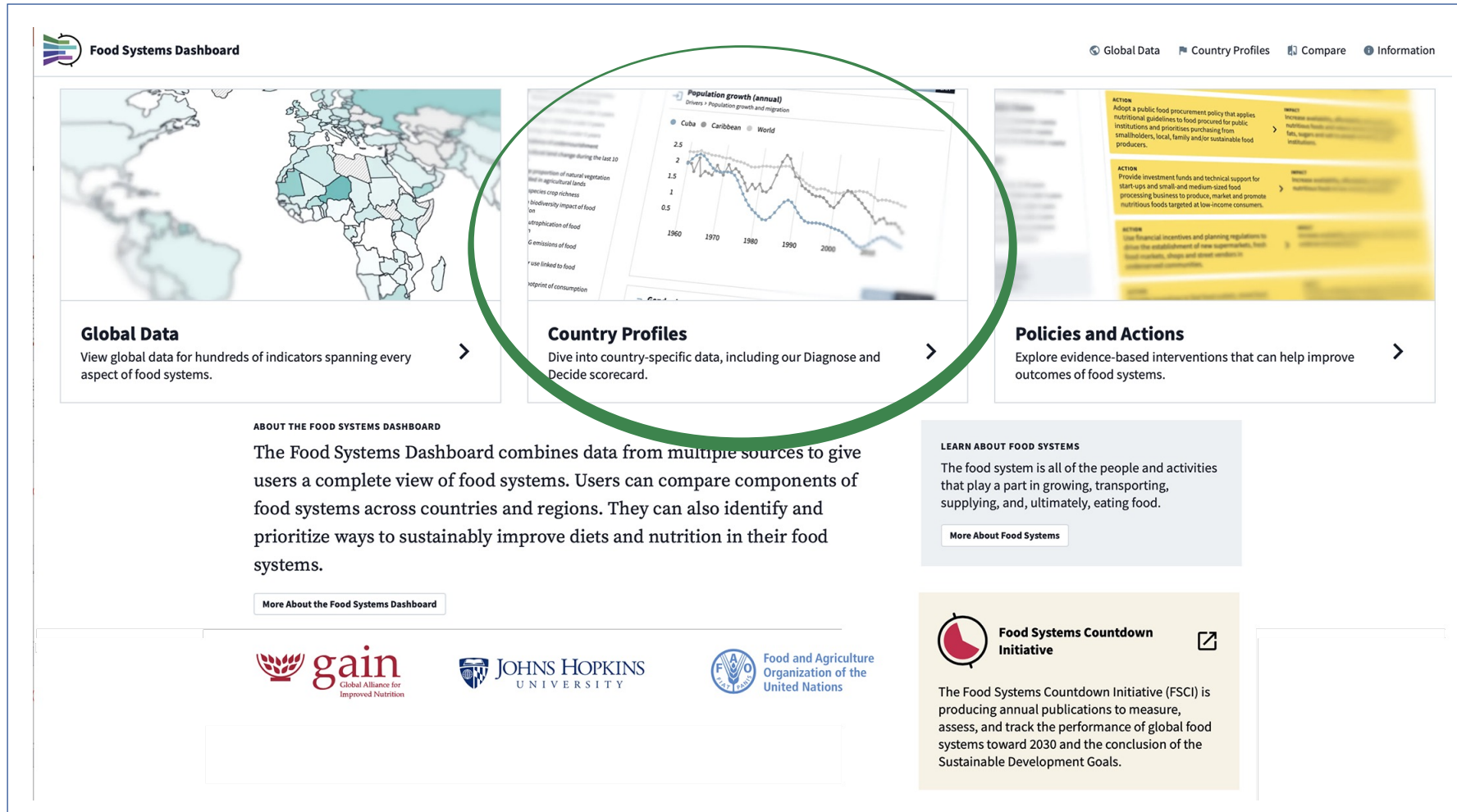


Users can also select countries or regions for comparison.

# The table view provides data by country over available time points



# Data is also available in Country Profiles for a focus on one country at a time



The screenshot shows the Food Systems Dashboard interface with three main navigation options: Global Data, Country Profiles, and Policies and Actions. The Country Profiles section is highlighted with a green circle. Below the navigation options, there is a section titled 'ABOUT THE FOOD SYSTEMS DASHBOARD' and a 'LEARN ABOUT FOOD SYSTEMS' section. At the bottom, there are logos for gain, Johns Hopkins University, and the Food and Agriculture Organization of the United Nations, along with a 'Food Systems Countdown Initiative' section.

**Global Data**  
View global data for hundreds of indicators spanning every aspect of food systems.

**Country Profiles**  
Dive into country-specific data, including our Diagnose and Decide scorecard.

**Policies and Actions**  
Explore evidence-based interventions that can help improve outcomes of food systems.

**ABOUT THE FOOD SYSTEMS DASHBOARD**  
The Food Systems Dashboard combines data from multiple sources to give users a complete view of food systems. Users can compare components of food systems across countries and regions. They can also identify and prioritize ways to sustainably improve diets and nutrition in their food systems.


[More About the Food Systems Dashboard](#)

**LEARN ABOUT FOOD SYSTEMS**  
The food system is all of the people and activities that play a part in growing, transporting, supplying, and, ultimately, eating food.

[More About Food Systems](#)

**Food Systems Countdown Initiative**  
The Food Systems Countdown Initiative (FSCI) is producing annual publications to measure, assess, and track the performance of global food systems toward 2030 and the conclusion of the Sustainable Development Goals.

# Explore Country Profiles organized by subregion










 Food Systems Dashboard

[Global Data](#) [Country Profiles](#) [Compare](#) [Information](#)























## Country Profiles

### Africa

#### CENTRAL OR MIDDLE AFRICA

 Angola	 Chad	 Democratic Republic of the Congo	 Sao Tome and Principe
 Cameroon	 Congo	 Equatorial Guinea	
 Central African Republic		 Gabon	

#### EASTERN AFRICA

 British Indian Ocean Territory	 French Southern Territories	 Mayotte	 South Sudan
 Burundi	 Kenya	 Mozambique	 Uganda
 Comoros	 Madagascar	 Réunion	 United Republic of Tanzania
 Djibouti	 Malawi	 Rwanda	 Zambia
 Eritrea	 Mauritius	 Seychelles	 Zimbabwe
 Ethiopia		 Somalia	

# Country Profiles provide a curated subset of indicators

[All Countries](#) > [Eastern Africa](#)  

**Kenya**

**DIAGNOSE AND DECIDE SCORECARD**

**Food Environments**

- Affordability of a healthy diet: Ratio of cost to food expenditures
- Cost of a healthy diet
- Cost of an energy sufficient diet
- Cost of legumes, nuts, and seeds relative to the starchy staples in a least-cost healthy diet
- Dietary energy in food supply
- Share of dietary energy from cereals, roots, and tubers
- Supply of fruit
- Supply of pulses
- Supply of vegetables
- Retail value of ultra-processed food sales per capita

**Food Supply Chains**

- Average crop species richness
- Cereal losses
- Fruit losses
- Pulse losses
- Vegetable losses

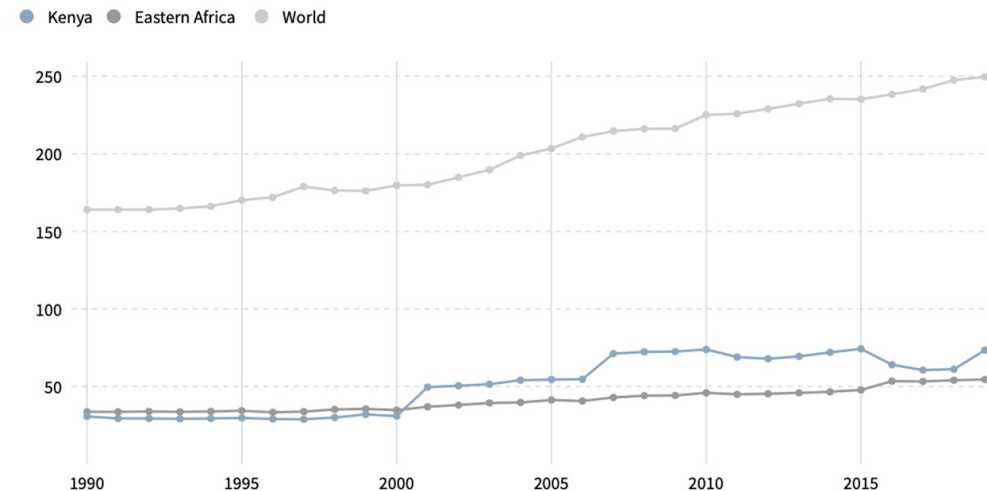
**Outcomes**

- Agricultural land change during the last 10 years
- Average proportion of natural vegetation embedded in agricultural lands

**Indicators**

**Total greenhouse gas emissions (excluding land-use change and forestry) (mtCO<sub>2</sub>e)**

Drivers > Environment and climate change



SOURCE: FAO

Printable Page

Show subregion averages
  Show world averages

Subregion and world averages can be toggled on and off. Users can print a handy summary of the country profile.





Through the Country Profiles, FSD users can view an assessment of a country's food system performance. This summarizes the areas of a country's food system that are unlikely challenge areas, potential challenge areas, or likely challenge areas. This can serve as a quick reference on how a country's food system is functioning today.

This is shown here for Kenya.



## DIAGNOSE AND DECIDE SCORECARD



### Food Environments

- Affordability of a healthy diet: Ratio of cost to food expenditures
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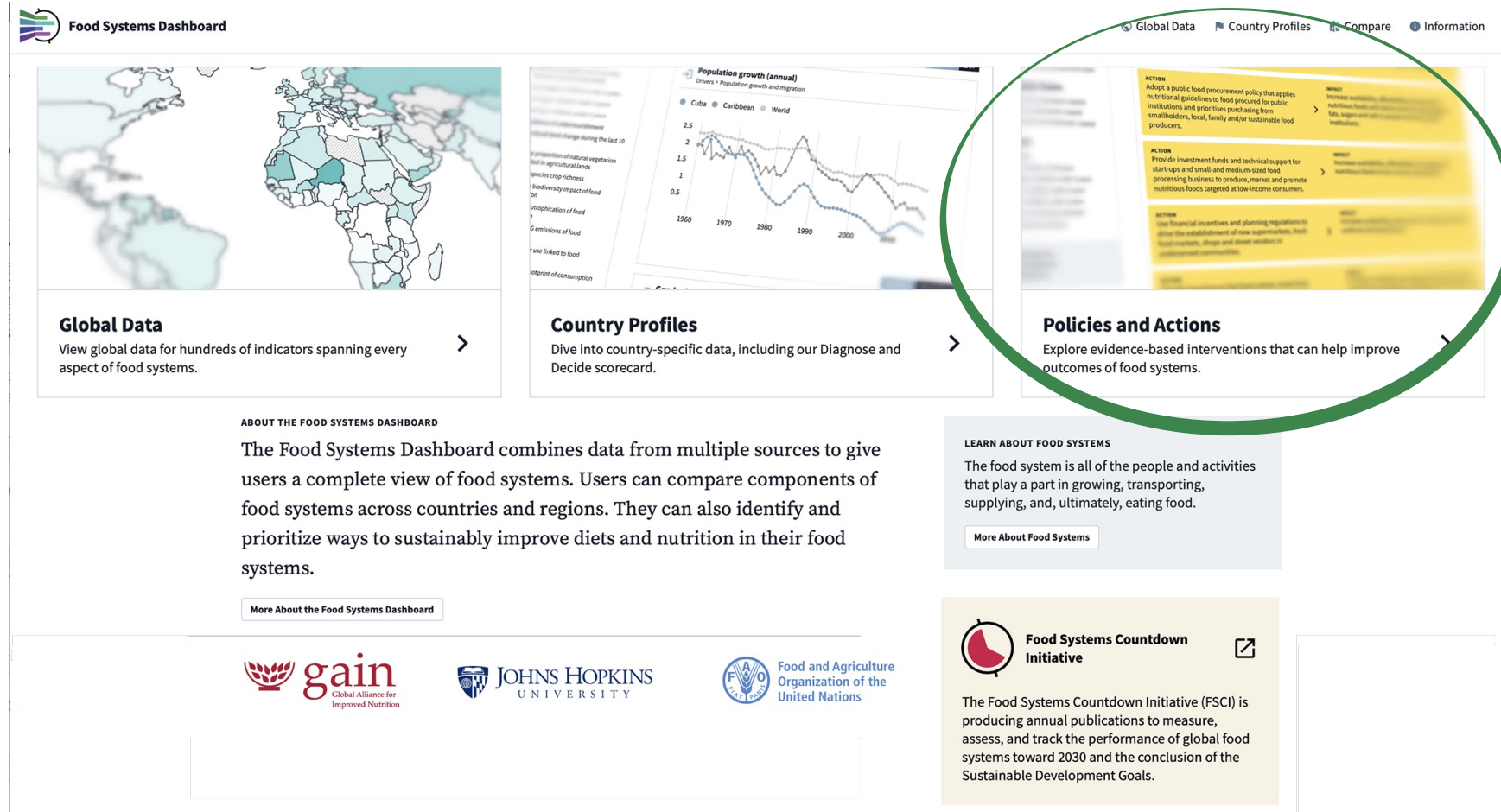


### Outcomes

- Agricultural land change during the last 10 years
- Average proportion of natural vegetation embedded in agricultural lands
- Average threats soil biodiversity
- Per capita biodiversity impact of food consumption
- Per capita eutrophication of food consumption
- Per capita greenhouse gas emissions of food consumption
- Per capita water use linked to food consumption
- Total ecological footprint of consumption per person
- Total ecological footprint of production per person
- Prevalence of moderate or severe food

- Unlikely Challenge Area
- Potential Challenge Area
- Likely Challenge Area
- Missing Data

# Potential actions to consider are provided in the Policies and Actions section



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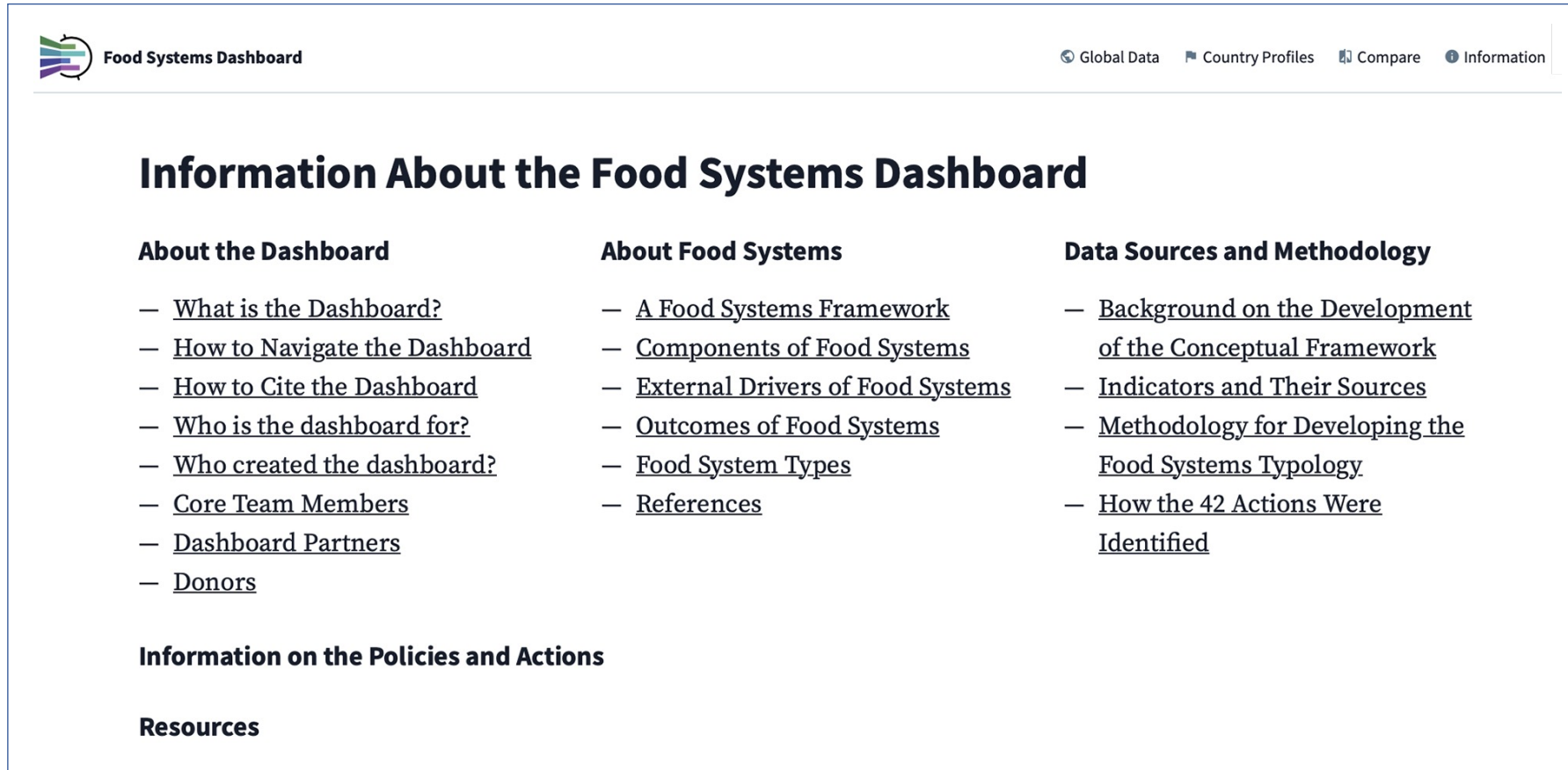
**gain**  
Global Alliance for Improved Nutrition

**JOHNS HOPKINS UNIVERSITY**

**Food and Agriculture Organization of the United Nations**

**Food Systems Countdown Initiative**  
The Food Systems Countdown Initiative (FSCI) is producing annual publications to measure, assess, and track the performance of global food systems toward 2030 and the conclusion of the Sustainable Development Goals.

Data sources, methodology, and other important background information is also available



The screenshot shows the top navigation bar of the Food Systems Dashboard website. It includes the logo and name on the left, and navigation links for Global Data, Country Profiles, Compare, and Information on the right. The main heading is "Information About the Food Systems Dashboard". Below this, there are three columns of links under the headings "About the Dashboard", "About Food Systems", and "Data Sources and Methodology". At the bottom, there are sections for "Information on the Policies and Actions" and "Resources".

**Food Systems Dashboard** Global Data Country Profiles Compare Information

## Information About the Food Systems Dashboard

### About the Dashboard

- [What is the Dashboard?](#)
- [How to Navigate the Dashboard](#)
- [How to Cite the Dashboard](#)
- [Who is the dashboard for?](#)
- [Who created the dashboard?](#)
- [Core Team Members](#)
- [Dashboard Partners](#)
- [Donors](#)

### About Food Systems

- [A Food Systems Framework](#)
- [Components of Food Systems](#)
- [External Drivers of Food Systems](#)
- [Outcomes of Food Systems](#)
- [Food System Types](#)
- [References](#)

### Data Sources and Methodology

- [Background on the Development of the Conceptual Framework](#)
- [Indicators and Their Sources](#)
- [Methodology for Developing the Food Systems Typology](#)
- [How the 42 Actions Were Identified](#)

### Information on the Policies and Actions

### Resources

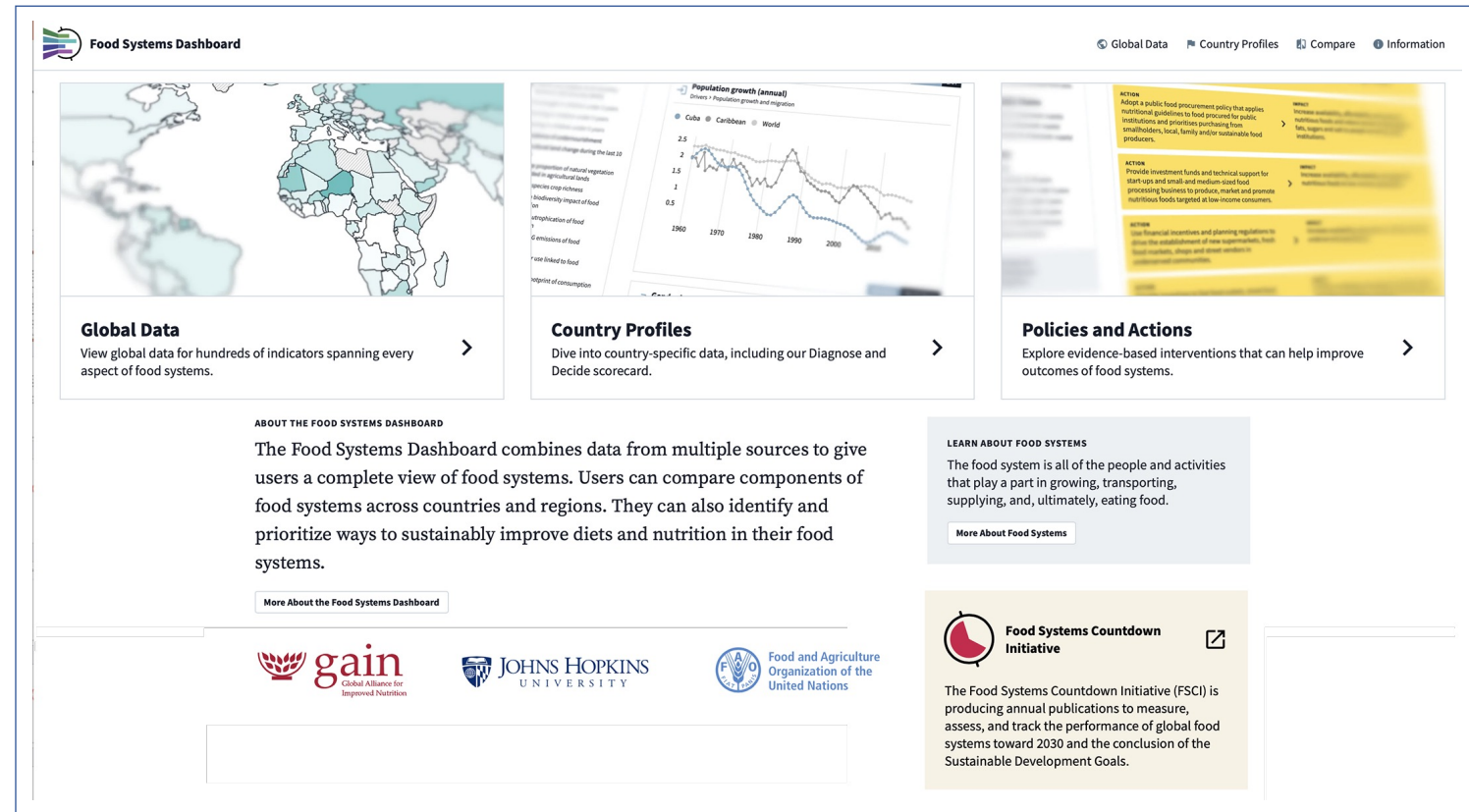
# The Food Systems Dashboard is open access

All data, maps, and other visualizations can be used freely with proper citation:

*The Food Systems Dashboard.*  
*Global Alliance for Improved Nutrition (GAIN)*  
*and Johns Hopkins University. 2020.*  
*Geneva, Switzerland.*

<https://www.foodsystemsdashboard.org>.

DOI: <https://doi.org/10.36072/db>.



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The main content area is divided into several sections:

- Global Data:** A world map showing various regions highlighted in green. Below the map, the text reads: "Global Data View global data for hundreds of indicators spanning every aspect of food systems." with a right-pointing arrow.
- Country Profiles:** A line graph titled "Population growth (annual)" showing data for Cuba, Caribbean, and World from 1960 to 2000. Below the graph, the text reads: "Country Profiles Dive into country-specific data, including our Diagnose and Decide scorecard." with a right-pointing arrow.
- Policies and Actions:** A section with a yellow background containing several action items, such as "Adopt a public food procurement policy that applies nutritional guidelines to food procured for public institutions and prioritizes purchasing from smallholders, local, family and/or sustainable food producers." with a right-pointing arrow.

Below these sections, there is a central text block titled "ABOUT THE FOOD SYSTEMS DASHBOARD" with the following text: "The Food Systems Dashboard combines data from multiple sources to give users a complete view of food systems. Users can compare components of food systems across countries and regions. They can also identify and prioritize ways to sustainably improve diets and nutrition in their food systems." Below this text is a button labeled "More About the Food Systems Dashboard".

At the bottom of the dashboard, there are logos for "gain" (Global Alliance for Improved Nutrition), "JOHNS HOPKINS UNIVERSITY", and "Food and Agriculture Organization of the United Nations".

On the right side, there is a section titled "LEARN ABOUT FOOD SYSTEMS" with the text: "The food system is all of the people and activities that play a part in growing, transporting, supplying, and, ultimately, eating food." Below this text is a button labeled "More About Food Systems".

At the bottom right, there is a section titled "Food Systems Countdown Initiative" with a circular progress indicator and the text: "The Food Systems Countdown Initiative (FSCI) is producing annual publications to measure, assess, and track the performance of global food systems toward 2030 and the conclusion of the Sustainable Development Goals." Below this text is a right-pointing arrow.



## Key Messages and Recommendations

### Key Messages

- The FSD is an open access platform that brings together data for over 225 indicators from over 40 sources to give a complete view of food systems.
- It is organized around three main pillars: Describe, Diagnose, and Decide.
- In the Global Data section, data can be viewed as maps, graphs, or tables.
- In the Country Profiles, a curated set of indicators are visualized, and food systems performance is assessed, with potential and likely challenge areas identified for each country.
- Potential actions to improve nutrition, health, and environmental outcomes are provided in the Policies and Actions section.

### Recommendations

- The FSD can be used to describe food systems, diagnose potential and likely challenge areas, and identify decision actions to improve outcomes.