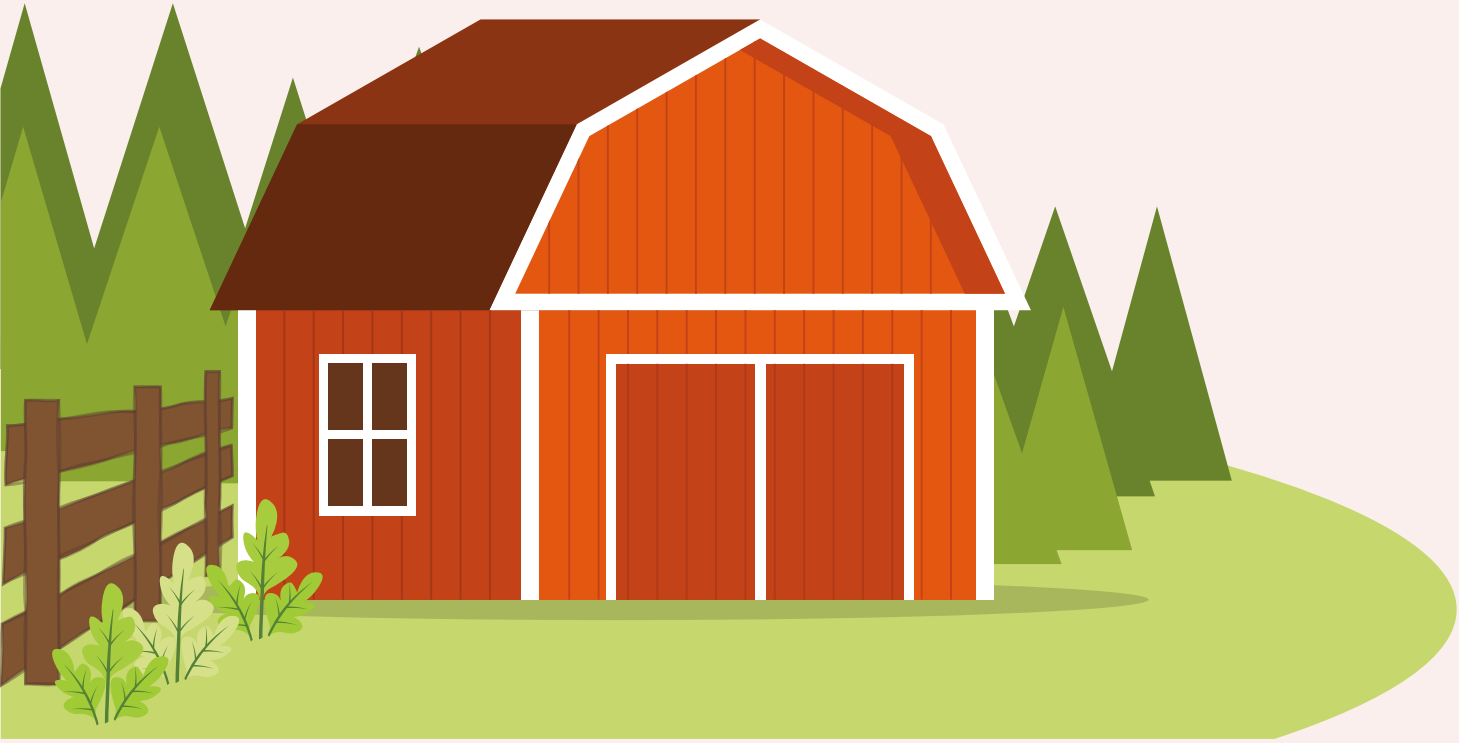


# “The impact of food processes on Climate Change”



The **food system** is a complex web of activities involving the production, processing, transport, and consumption. Issues concerning the food system include the governance and economics of food production, its sustainability, the degree to which we waste food, how food production affects the natural environment and the impact of food on individual and population health.

Aggelos S, Greece

And here your subtitle.



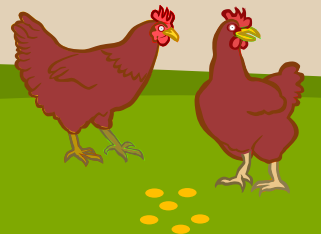
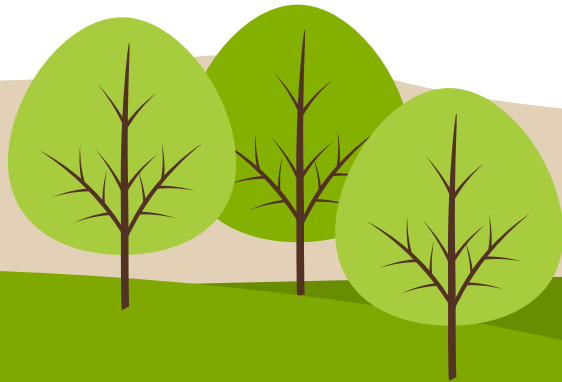
**Climate change** includes both human-induced global warming and its large-scale impacts on weather patterns. There have been previous periods of climate change, but the current changes are more rapid than any known events in Earth's history. The main cause is the emission of greenhouse gases, mostly carbon dioxide

Xristos S, Greece

And here your subtitle.

# Impacts of food system activities on Climate Change

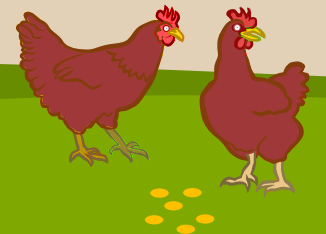
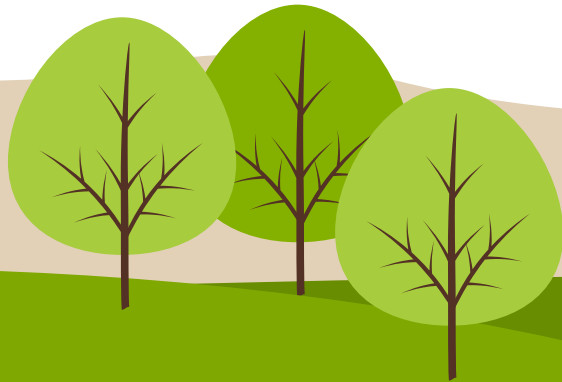
## Preproduction activities



# Impacts of food system activities on Climate Change

## Production activities

Production; viewed s efforts to increase the equipment or benefits of goods and products to adapt to human beings. This production is from production to placement because manufacturing, unlike production is only an effort to increase a good or its price.



Kübra Y. Turkey

# Impacts of food system activities on Climate Change

## Post production activities

- Post production activities;
- Processing. GHG emissions from food processing include CO<sub>2</sub> (from combustion in cookers, boilers and furnaces) and CH<sub>4</sub> and N<sub>2</sub>O (from wastewater systems). Food processing was responsible for 48 MtCO<sub>2</sub>e

Buse G. Turkey

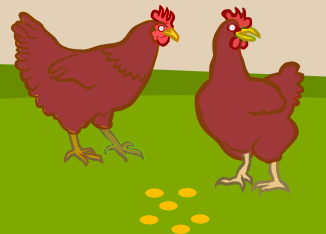


# Impacts of food system activities on Climate Change

## Post production activities

- Consumer Waste
- Food waste contributes to GHG emissions directly through CH<sub>4</sub> emissions from landfills. Rates of emissions from landfills differ enormously depending on the composition of waste going to landfill and associated management practices

Buse G. Turkey



# Impacts of food systems on natural resources

The food systems affect the Natural Resources in different ways:

- water is polluted by high use of fertilizers

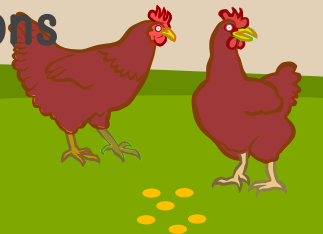
- soil suffers from erosion, acidity and salinity

- monocropping, reduces biodiversity

- the food miles, which is the distance that food travels from paddock to plate affects air quality with carbon emissions



XRISTOS S., GREECE





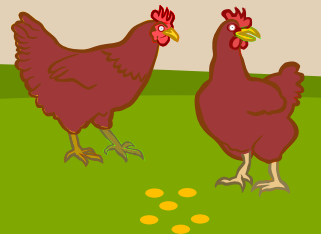
# Impacts of Climate Change on food systems

The overall impact of climate change on agriculture is expected to be negative. It will reduce food supplies and the food prices will raise.

With changes in rainfall patterns, farmers face threats from flooding and drought. Flooding washes away fertile topsoil that farmers depend on for productivity, while droughts dry it out, making it more easily blown or washed away.

Higher temperatures increase crops' water needs, making them even more vulnerable during dry periods.

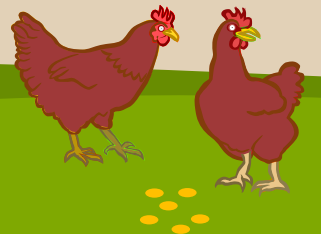
**Maria K., Greece**



# Impacts of Climate Change on food systems

- Certain species of weeds, insects, and other pests benefit from higher temperatures and increase their potential to damage crops. This creates financial hardship for farmers.
- With higher temperatures, most of the world's glaciers have begun to recede. Rising sea levels, heighten flood dangers for coastal farms and increase saltwater intrusion into coastal freshwater aquifers—making those water sources too salty for irrigation.
- Climate change is expected to impact ecosystems and the services they provide to agriculture, such as pollination and pest control by natural predators.
- Many wild plant species used in domestic plant breeding, will be threatened by extinction.

○ Aggelos S, Greece



# Ways that will result in a more sustainable food system

“Local eating will reduce the cost of transporting food across the globe and the carbon emissions will be less. So, let's buy food from local farmers!”

XRISTOS S., Greece



# Ways that will result in a more sustainable food system

“Design menus to follow seasons: eaters should enjoy fruits and vegetables that are produced in season.”

Aggelos S, Greece



# Ways that will result in a more sustainable food system

“Waste less food at home and make the most out of our groceries. We should cook more at home”

Maria K., Greece



# Thank you for your attention!

## Participants

1. Maria-gr
2. Aggelos-gr
3. Xristos-gr
4. Buse-tr
5. Mervenur-tr
6. Buğçe-tr

