



# Sustainable Food Systems Solutions







## Learning Outcomes

- Examine how altering components of the food system can act as effective climate and environmental solutions
- Consider how students can help develop and be involved in implementing these solutions







# Agenda

- Sustainable food systems solutions overview
- Food system solutions each one, teach one







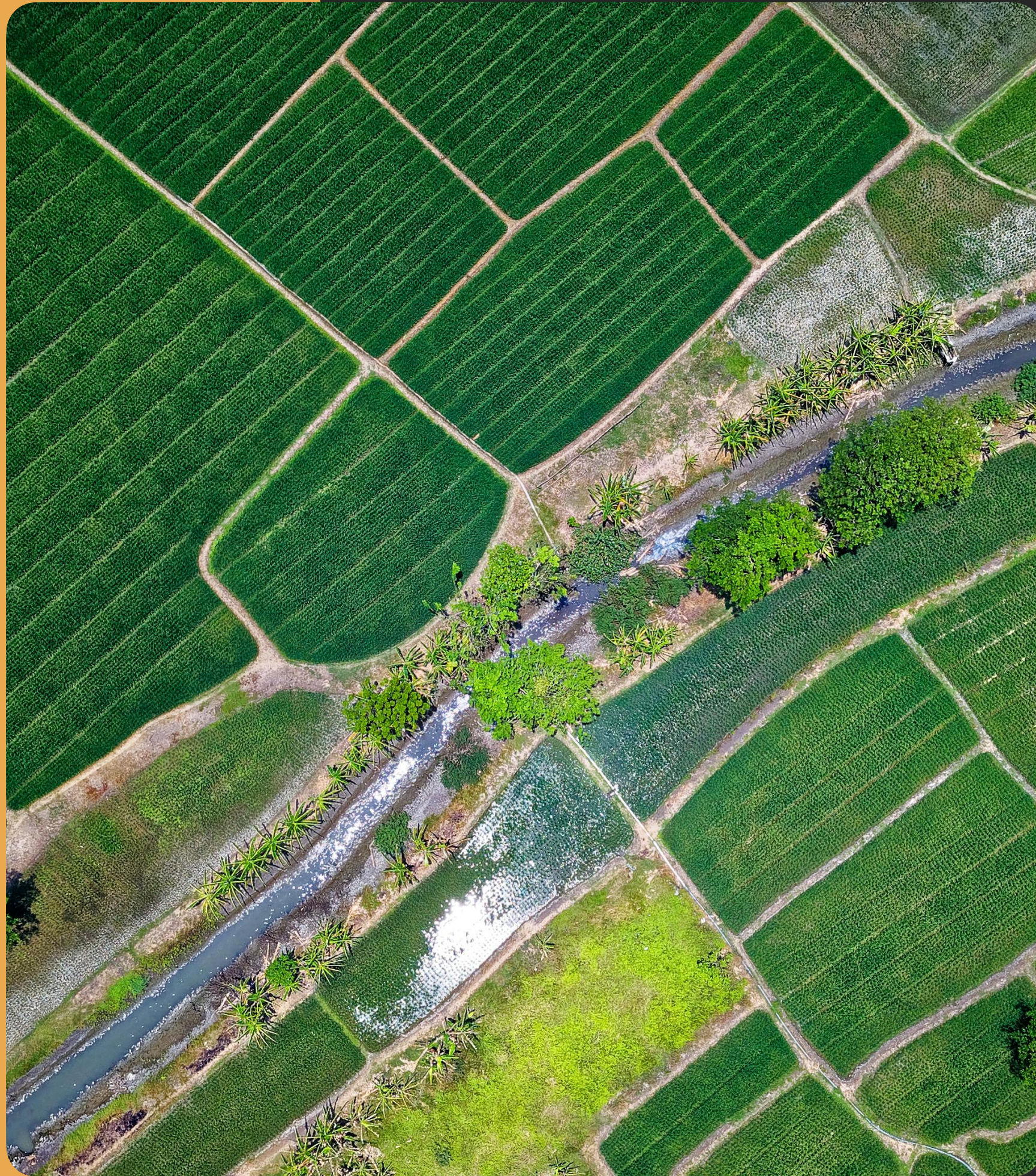
# Sustainable Food System Solutions Overview

Check Project Drawdown's list of solutions in the agriculture and land-use sector by clicking the link and scrolling down to "Solutions In This Sector":

[Project Drawdown: Food, Agriculture, and Land Use](#)







# Sustainable Food System Solutions Overview

Do we already have the capability to implement many solutions in the agriculture and land-use sectors? And would they have a massive positive impact on environmental sustainability?

**Yes!**

Choices we make related to food systems are some of the most powerful ways to positively impact our environment and they are choices we make daily.





# Each One, Teach One

Brainstorm different ways we could make components of the food system more sustainable.

- Production and harvest
  - [A Food System to Heal the Planet](#) (3 mins)
- Distribution
  - Local food systems, such as [community farming and cafe in Arizona](#) (13 mins)
- Processing and packaging
  - Packaging - [10 promising ideas to reuse packaging | Circular economy examples Sustainability](#) (7 mins)
  - [How to Reduce Food Packaging Waste](#)
- Purchasing
  - [Palm Oil Scorecard](#)
- Consuming
  - Diet choice - [The diet that helps fight climate change](#) (6 mins)
- Disposing
  - Composting - [Why Composting is Important](#) (4 mins)
  - Vermicomposting - [Vermicomposting: How worms can reduce our waste - Matthew Ross](#) (4 mins)



# Each One, Teach One

**Respond to the following questions, and then share with the group.**

- What, if anything, can you do personally to make this component of the food system more sustainable?
- What systemic/policy changes would make this component more sustainable?
  - How can those be implemented?
  - What barriers exist to the implementation of these changes?
- What could we do as a community to make this component more sustainable?
- How could we design and implement a community project to address the environmental impact of this component on our community?



# Additional Resources

- **[How to Feed the World & Shrink Our Climate Footprint | Navin Ramankutty for Project Drawdown:](#)** Project Drawdown - Dive into food systems and solutions from the importance of voting and youth climate action to regenerative agriculture with Ramankutty, a scientist focused on ways to feed humanity with minimal global environmental footprint.
- **[Food Waste Hierarchy:](#)** Institute for Local Self Reliance - This diagram highlights the importance of locally based composting solutions as a priority over large-scale regional solutions.
- **[How a school's food waste can feed the community | Hanna Wondmagegn | TEDx East Mecklenburg High School:](#)** TEDx Talks - Hanna explains how she created a program at East Mecklenburg to help kids who don't have enough to eat every day and why every other school should consider creating a similar program.
- **[Understanding School Food Share Tables:](#)** StopWaste - Join American High School students in Fremont, California, as they discuss the issue of wasted food and how their school is addressing it through an innovative food share table program.
- **[Re:wild Your Fridge:](#)** Rewild - Shifting your diet can decrease demand for industrial animal agriculture and increase demand for plant-based products that support global biodiversity - aka the WILD







# Contributors

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