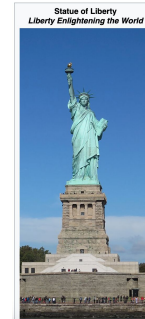


If trash were a country, it would be the third biggest greenhouse gas emitter in the world.



1. China
2. USA
3. Landfills

[Food and Agriculture Organization of the United Nations](#)

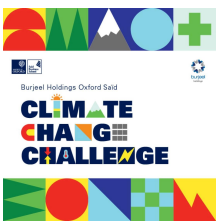


Biogas Anaerobic Decomposition



Besides being gross, it's scary.

But what can we do about it?



How methane from food waste contributes to global warming, why small efforts to stop it can make a big difference, and a big social profit.



UNIVERSITY OF OXFORD

Climate Adversity to Advantage

Team Black Diamond

Challenge: Food Waste & Landfill Methane
Partial Solution: Collective Community Composting



Zakhar

Lviv
HOME

Music
Projects
Bass



Lucas

Boston
COMMUNITY

Creative
Always Learning
Passionate



Luisa

Caxias
INDUSTRY

Volleyball
Friends
Music



Daniel

Haverford
SOCIETY

Reading
Writing
Running



Profi William

Bioinformatics
Dance
Rocky Balboa

Motivations to Change: Fear and Self Interest



Emperor Napoleon Buonaparte

4100
**The New Gardening Status Symbol:
Upscale Compost**
'Compost has become a staple of cocktail-party conversations.' You can get
manure from eucalyptus-eating goats and even a blend from Princess
Diana's childhood home.



What can we do about it?

Practical & Scalable: Increase Composting Adoption In Homes and Communities

Transform food waste into
designer compost.

For profit, and a
sustainable future.

Reduced fertilizer, pesticides, herbicides, water



Community Composting

Community composting happens when a group of people, small or large, compost material that isn't just theirs – it comes from the entire community.



Food scraps and organic waste are accumulated in each home with our composting pails...



... dropped off at our micro-sites OR picked up by community members..



... processed at a site run by community members...



... and in turn, the resulting compost is used to fertilize gardens and farms within the community—and this food can be sold and consumed in the local community and beyond.

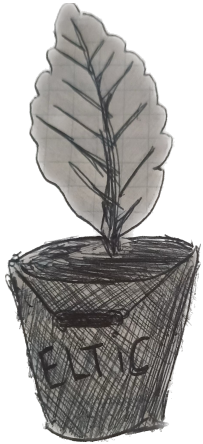
Motivations to Change: Fear and *Self Interest*



What can we do about it? Scale

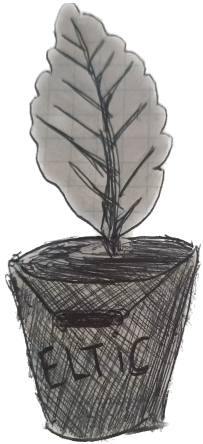
**With Project EMplify, we'll help build
an army of young entrepreneurs
transforming waste into:**

Black Diamond Christmas Tree Blend Compost



Sustainable Society

Requires Our Collective Action



Sustainable living means understanding how our lifestyle choices impact the world around us and finding ways to live better and lighter. Most people do not wake up with the intention to harm the environment - nor to help it. But our future depends on our behaviors and how we choose to live, work and play as global consumers.



Science

Current Issue First release papers Archive About Submit

HOME > SCIENCE > VOL. 356, NO. 6335 > BEYOND THE ROOTS OF HUMAN INACTION: FOSTERING COLLECTIVE EFFORT TOWARD ECOSYSTEM CONSERVATION

SPECIAL ISSUE REVIEW

Beyond the roots of human inaction: Fostering collective effort toward ecosystem conservation

“Psychological research suggests that humans can move toward a sustainable society by creating conditions that motivate environmentally responsible collective action...”



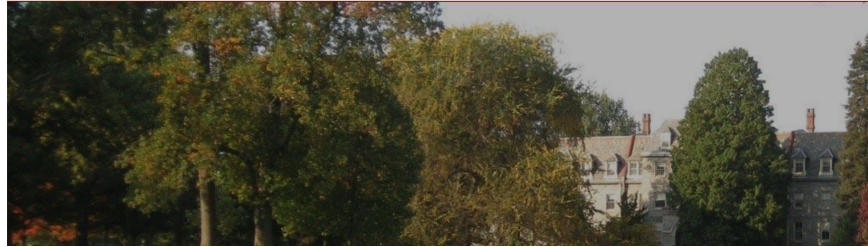
Sustainable Society

“Climate is a sociological challenge.”



Matthew McKeever
*Professor and Chair of
Sociology*

HAVERFORD
COLLEGE



Behavior Change and Sustainability Mindset: Composting encourages a shift in behavior toward more sustainable and environmentally responsible practices. This mindset can extend beyond composting to other aspects of life, including energy conservation, transportation choices, and consumption habits.

While composting itself may not directly address all sociological aspects of climate change, it can be part of a broader strategy to foster environmental consciousness, community resilience, and sustainable practices. When integrated into community development and sustainability efforts, composting can contribute to a more sociologically informed and environmentally responsible approach to mitigating climate change.

Motivations to Change: Fear and *Self Interest*



What can we do about it?



Laura Huang
Edge
Turning Adversity
into Advantage

Imagine

a Compost Tipping Point

in every school?

Starting with yours?



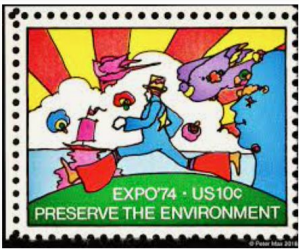
**CLIMATE
CHANGE
CHALLENGE**



UNIVERSITY OF
OXFORD

Thank you Burjeel Oxford

and **Emylee**, University of Pennsylvania; **Eli**, Linvilla Farms; **Franco Stedile**, Fazenda Tres Rios; **CropX**; **Better Seeds**; **Takachar**; **Prof Huang**, EMplify; **Coach Hasty**, Harriton HS; **Prof McKeever**, Haverford College



Bridget Elworthy · 3rd
The Land Gardeners Limited

THE LAND GARDENERS



Luxury manure's sweet smell of success

Climate Adversity to Advantage

Turning Loss Into Black Diamonds

