

From Awareness to Action: Accelerating solutions to cut food waste in half by 2030

Presented by Chris Cochran,
Executive Director, ReFED

APEC 2019 FLW Expert
Consultation
July 25, 2019



Rethink Food Waste
Through Economics and Data

Agenda

1. Introduction to ReFED
2. APEC momentum
3. Why now is the time to achieve SDG 12.3
4. Systems-change approach to address food loss and waste
5. Examples of progress
6. ReFED recommendations for APEC

ReFED is a think tank that works with decision-makers across the food system to reduce U.S. food waste using a systems approach and economic analysis.

Vision: Eliminate food waste in order to increase food security, spur economic growth & protect the environment.

Mission: Accelerate solutions to U.S. food waste.

ReFED Roadmap: ReFED's 2016 *Roadmap to Reduce U.S. Food Waste by 20 Percent* is widely considered the definitive source of data, economic analysis and guidance on food waste solutions.

Influence: Frameworks and methodologies have been adopted across the globe by major organizations and companies, including APEC, Organization for Economic Cooperation and Development, Canada, Deloitte and Walmart.



ReFED establishes formal partnerships with key stakeholders to accelerate progress and foster collaboration.



ReFED formalized a partnership with EPA, USDA and FDA as part of the current administration's Winning on Reducing Food Waste Initiative. The agreement is a mechanism that will empower and actualize collaboration between the three agencies and ReFED, which in turn allows the agencies to collaborate more meaningfully with the private and nonprofit sectors.

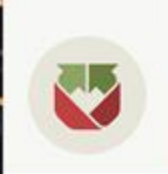


ReFED established a formal partnership, securing roles as Strategic Advisor and Funding Partner of FFAR to catalyze funding for applied research.



Center for Food Loss and Waste Solutions

ReFED became the Host of the Further with Food partnership and website. The partnership represents 14 of the largest NGO, industry and government organizations addressing U.S. food waste. Leading this partnership enables ReFED to cement its role as the central convener on U.S. food waste activity and foster greater collaboration among the partners.

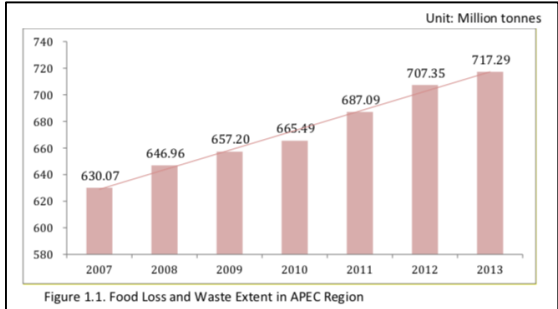
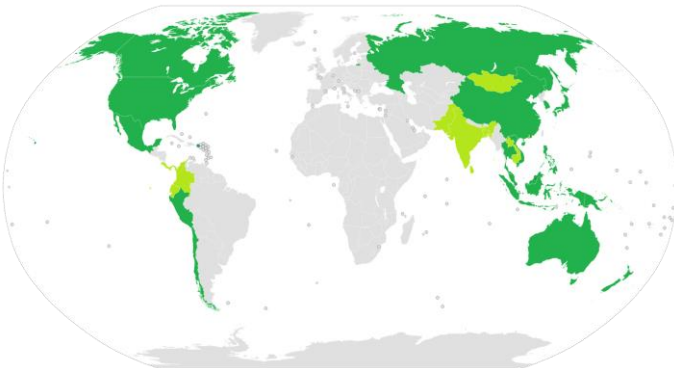


2019 FOOD WASTE SUMMIT

Hosted by ReFED

OCTOBER 28-30TH
CITY VIEW AT METREON
SAN FRANCISCO, CA

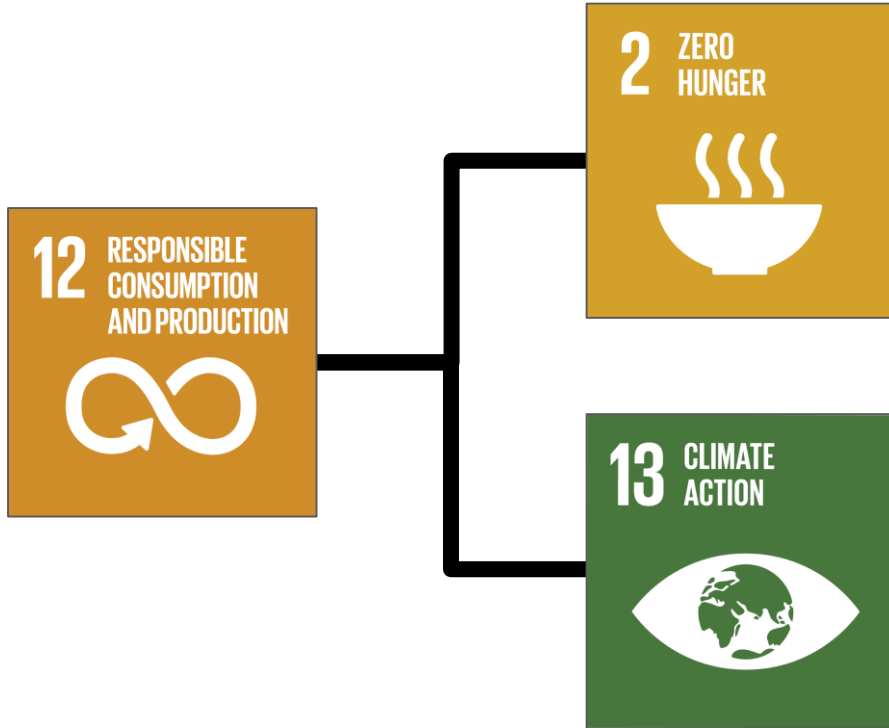
APEC's multi-year project on food loss and waste has helped set the stage to drive significant reductions.



Tony Hsu, Council of Agriculture/National Taiwan University, at the 2018 U.S. Food Waste Summit.



Achieving Sustainable Development Goal Target 12.3 will advance progress towards reducing hunger (SDG 2) and mitigating climate change (SDG 13). Now is the time to act.



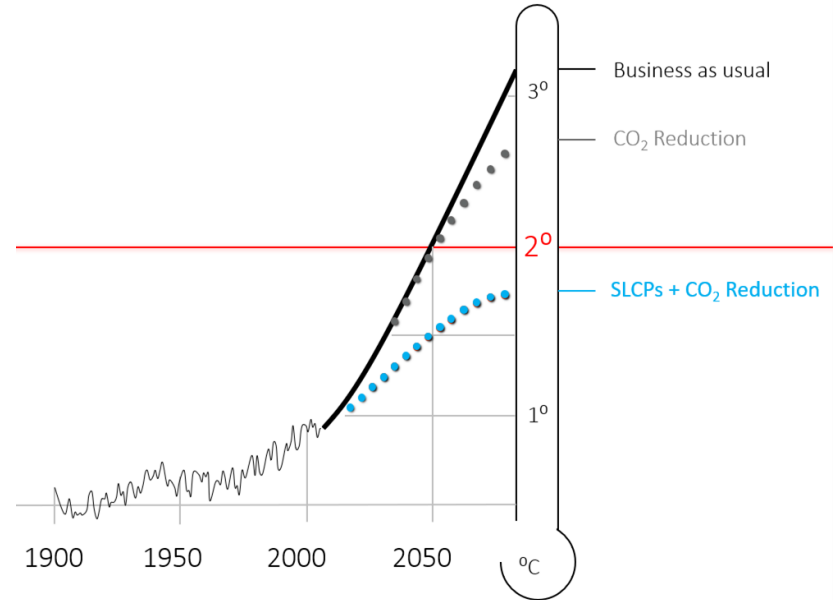
One-third of food produced in the world is wasted,¹ while global hunger has increased three years in a row.²

- Globally, more than 820 million people were still hungry in 2018, corresponding to about one in every nine people in the world.² Yet the world produces enough food to feed everyone on the planet.³
- Forty percent of food losses in developing countries occurs during post-harvest and processing, whereas the same percentage happens at retail and consumer levels in developed countries.¹
- Per capita waste by consumers is between 95-115 kg/year in Europe and N. America, while consumers in sub-Saharan Africa, south and south-eastern Asia each throw away only 6-11 kg/year.¹

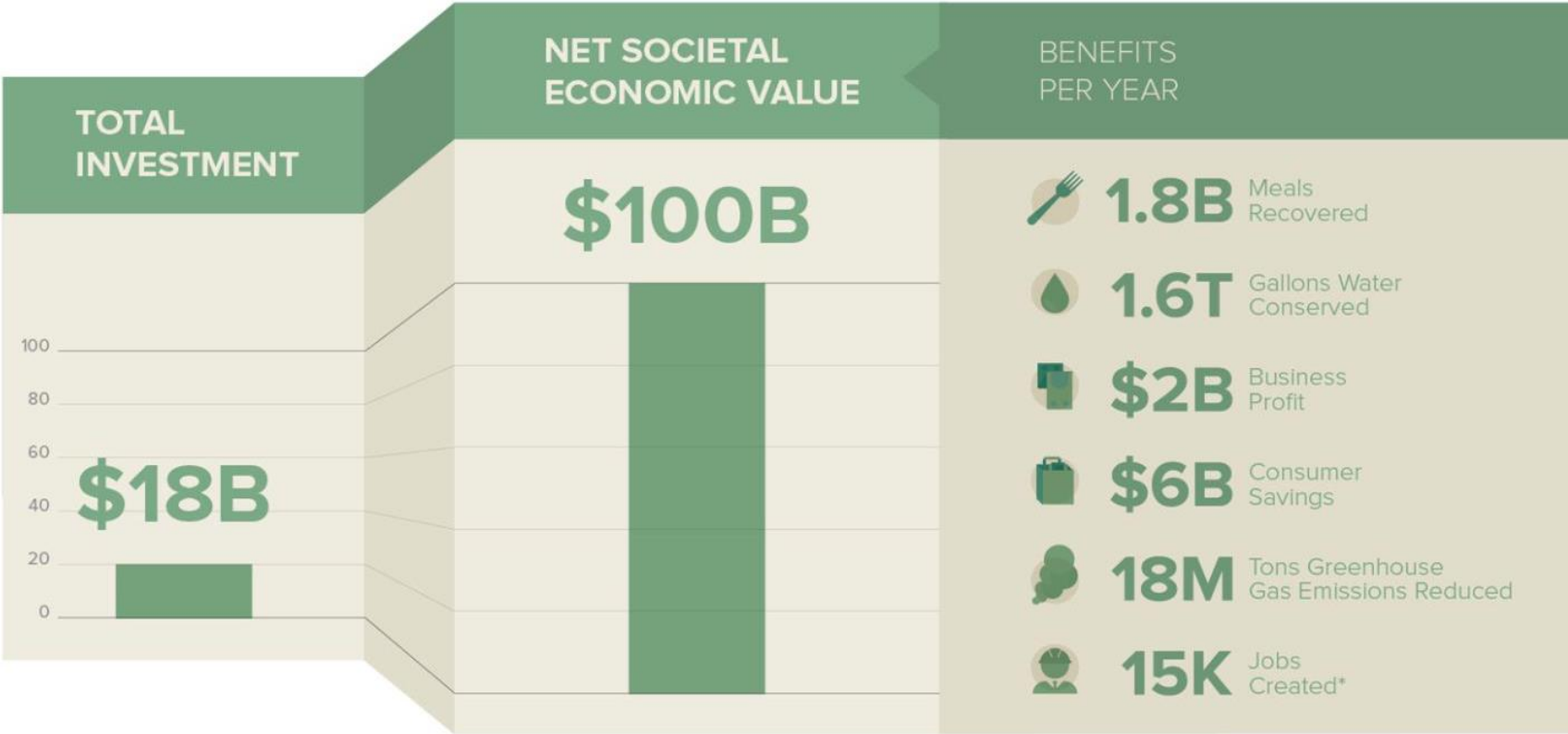


Achieving SDG Target 12.3 to cut food waste in half would reduce global greenhouse gas emissions by 4 percent.

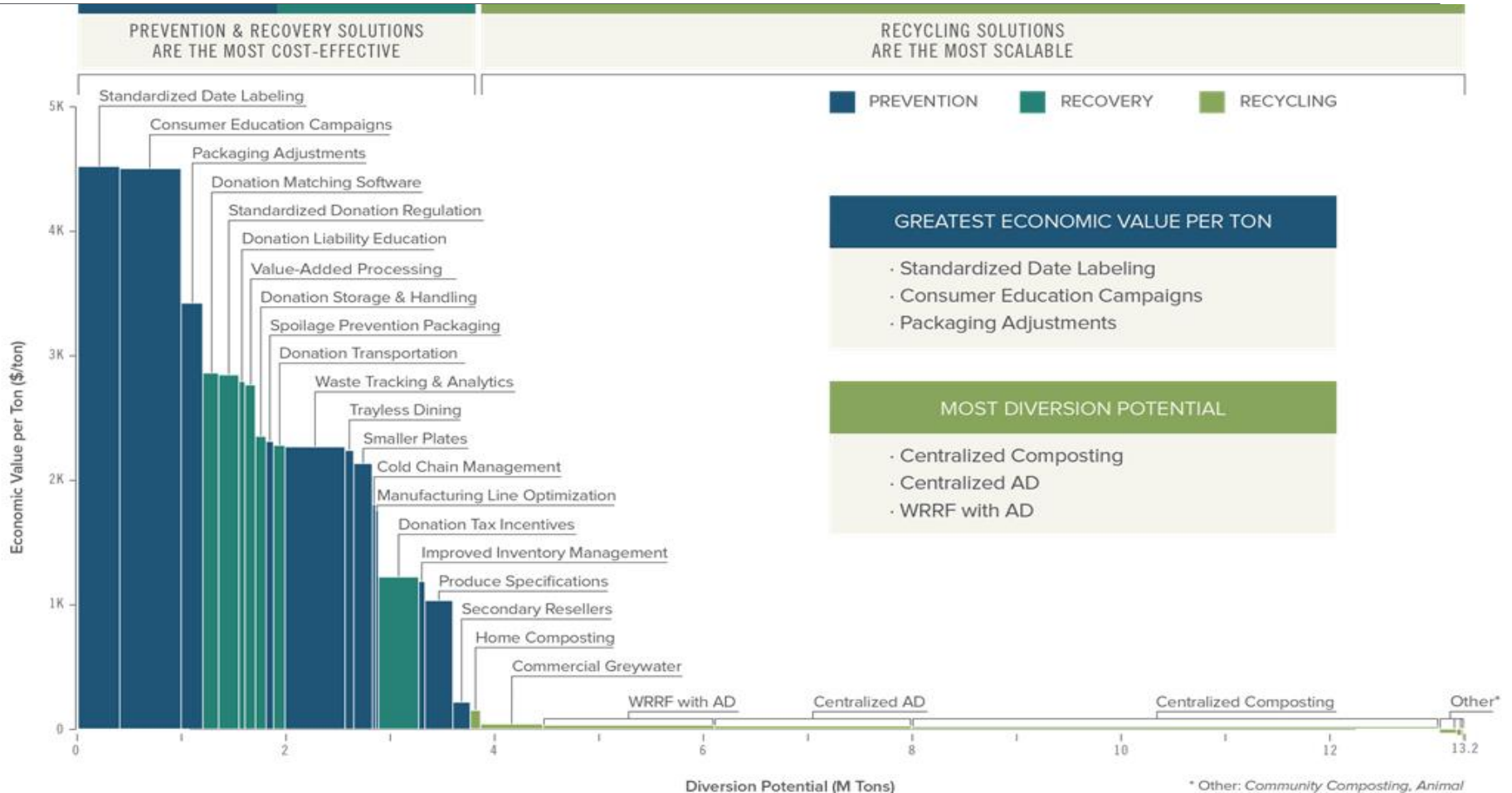
- Reduced food waste is the third most impactful solution to reversing climate change globally.¹
- Food waste is responsible for at least 8% of all global anthropogenic GHG emissions.²
- Key drivers of these global food waste GHG emissions come from:
 - Agriculture: **16 percent**
 - Processing, storage and distribution: **47 percent**
 - Consumption: **37 percent**



An \$18 billion investment will return \$100 billion in value over the next decade.



Marginal Food Waste Abatement Cost Curve



Systems Based Approach



ReFED

Rethink Food Waste
Through Economics and Data

Two-thirds of the top 50 global food companies are now committed to Sustainable Development Goal 12.3.

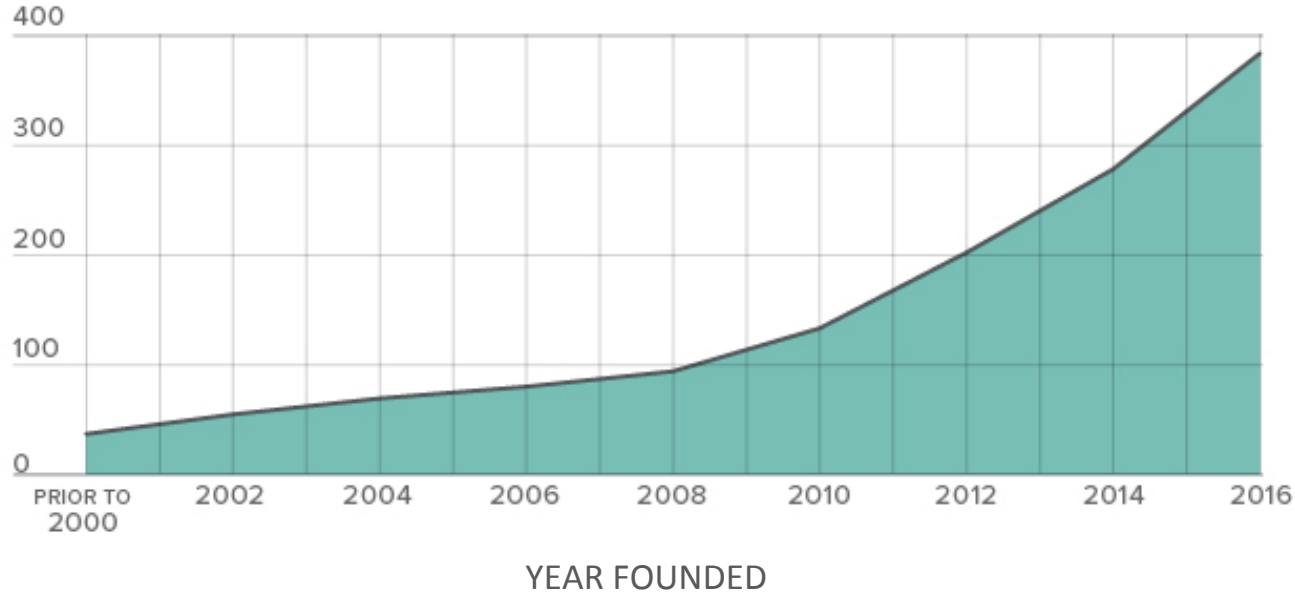
					
					
					
					

U.S. Food Loss and Waste 2030 Champions

Over 500 for-profit and nonprofit startups are supplying new or enhancing existing prevention, recovery and recycling solutions.

CUMULATIVE # OF INNOVATORS

INNOVATORS BY YEAR FOUNDED



\$185 million in venture capital and \$134 million in philanthropic funding has been invested in U.S.-based food waste startups.

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A Bill Gates-backed edible coating available at Costco could make avocados last twice as long — and it just got a \$70 million boost

Leanna Garfield Jul. 31, 2018, 12:29 PM

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Kroger Partners with ReFED to Create Strategy for Zero Hunger | Zero Waste \$10 Million Innovation Fund

Food waste-focused nonprofit to aid in development of operational framework

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"Ugly" Produce Startup Full Harvest Reaps a \$8.5 Million Series A

By Catherine Lamb - August 15, 2018

The Rockefeller Foundation Announces \$130 Million Initiative to Reduce Global Food Loss and Waste

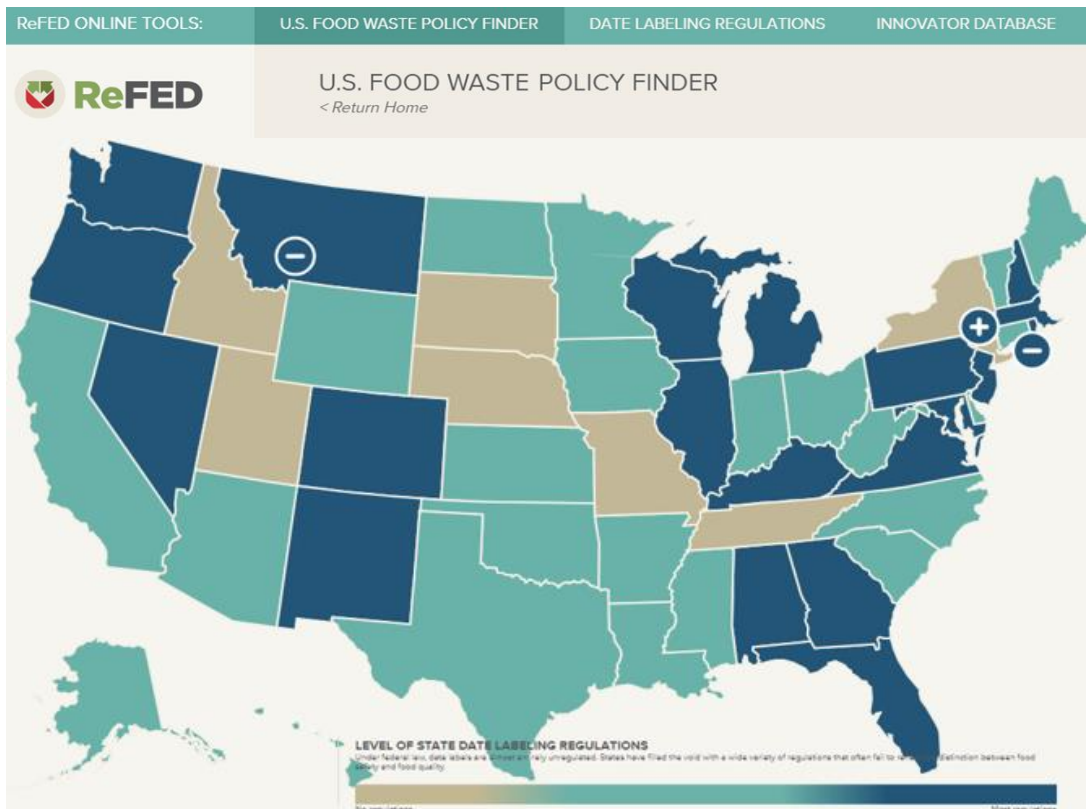
January 21, 2016

DAVOS, SWITZERLAND—Today, as part of the World Economic Forum's 2016 Annual Meeting, The Rockefeller Foundation announced the launch of YieldWise, a seven-year, \$130 million initiative that

CalRecycle Awards \$25 Million for Organics Recycling Projects-- Communities Get Environmental and Economic Boost from California Climate Investments

SACRAMENTO – The California Department of Resources Recycling and Recovery has awarded more than \$25 million in

In the United States, 91 pieces of legislation introduced across 30 states and at the federal level.



2018 Farm Bill

The time is now to accelerate action to cut food waste in half by 2030.

Recommendations for APEC Member Economies:

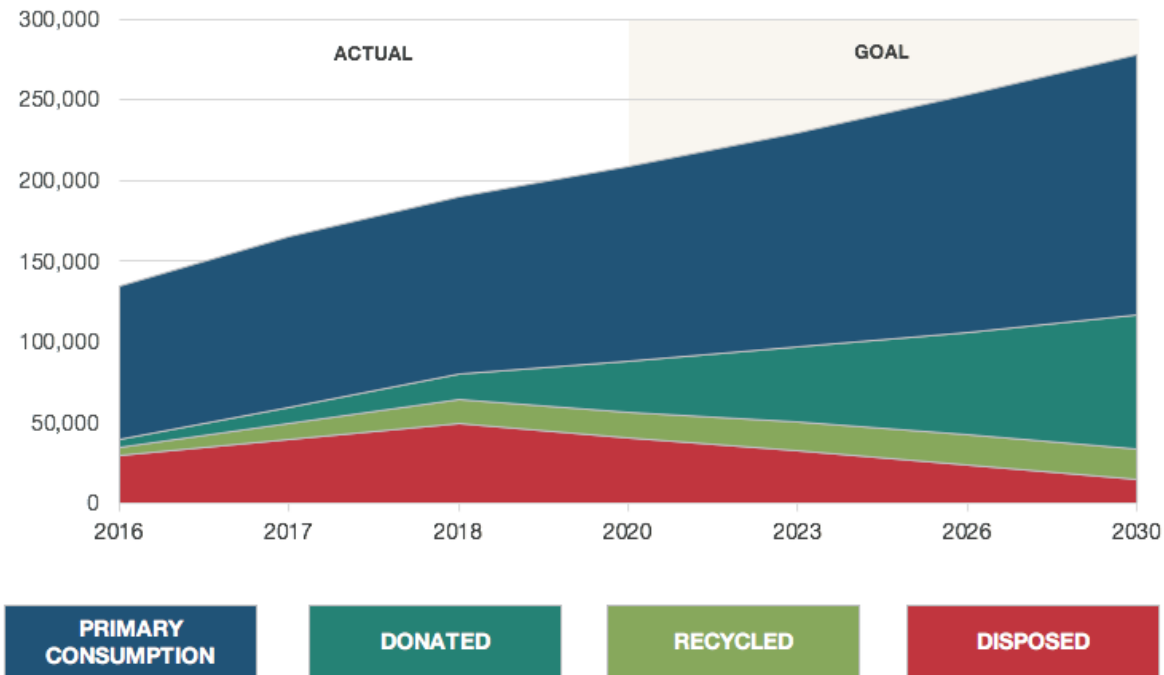
1. Set targets: adopt SDG Target 12.3 to cut food waste in half by 2030.
2. Measure: Focus on continuous **measurement** and data collection (both qualitative and quantitative) to identify gaps, inform progress, celebrate successes.
1. Act: Move from awareness to **action**. Some solutions have favorable market conditions, others may need policy support, catalytic capital, and/or food businesses willing to pilot.
1. Partner with **ReFED to globalize the Roadmap to Reduce Food Waste 2.0 to advance APEC measurement and action.**

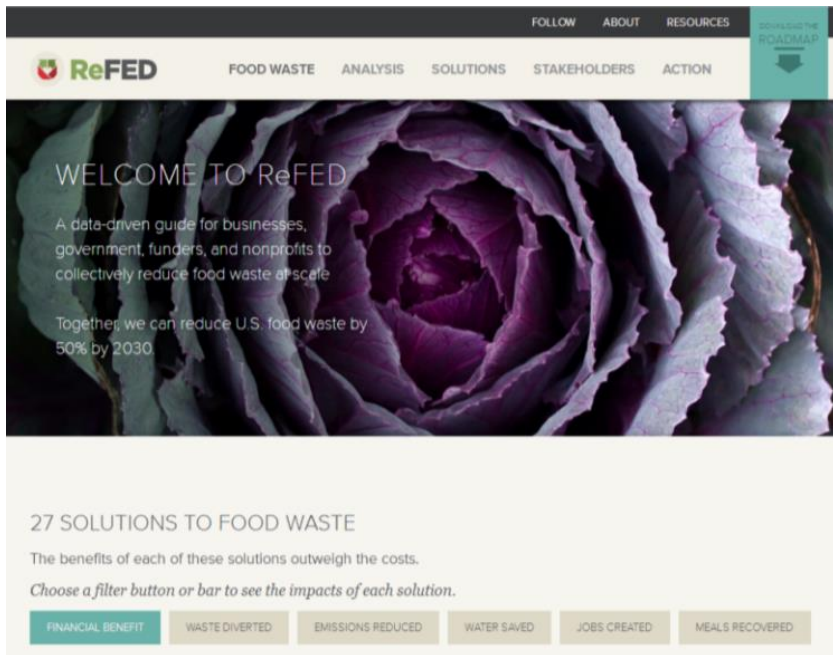


Together, we can achieve SDG 12.3 to cut food waste in half by 2030.

US FOOD SUPPLY DESTINATION OVER TIME

Million Tons





For questions and more information
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Visit [ReFED.com](https://www.refed.com)