



FOOD LOSS AND WASTE: WHY AND HOW IT MATTERS TO YOU

Simultaneous interpretation Interpretación simultánea Interprétation simultanée Technical issues
Problemas técnicos
Problèmes techniques

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WEBINAR

FOOD LOSS AND WASTE:

WHY AND HOW IT MATTERS TO YOU 31 MARCH 2021 | 12:00-1:30PM (EDT)



WITH



ANTONIA ANDÚGAR The Commission for Environmental Cooperation



ARMANDO YÁÑEZ Environmental Cooperation



BRIAN LIPINSKI World Resources Institute

SEMINARIO WEB

PÉRDIDA Y **DESPERDICIO DE ALIMENTOS:**

POR QUÉ DEBE IMPORTARNOS 31 DE MARZO DE 2021 DE 12:00 A 13:30 HORAS (TIEMPO DEL ESTE)



DOMINGO LOMELÍ Gerente, Restaurant LOS TROMPOS Tanlum, Mérida LOS TROMPOS





CHRISTINE GALLAGHER Gerente de Sustentabilidad Ambiental



SARAH FETEIH Coordinadora del Programa, Alianza del Sistema Ahold Delhaize, Estados Unidos Alimentario de San Diego (SDFSA por sus siglas en inglés)

WEBINAIRE

LA PERTE ET LE GASPILLAGE D'ALIMENTS :

POURQUOI ET COMMENT C'EST IMPORTANT POUR VOUS





NÉLIDA BARAJAS directrice Générale, Centre interculturel pour l'étude des déserts et des océans (CEDO)



TERESA SCHOONINGS directrice Principale Affaires Gouvernementales et Durabilité, Bimbo Canada



BRUCE TAYLOR président,











PART 1 | INTRODUCTION | 12:00 - 12:30

Welcoming remarks, Overview and Introduction
Antonia Andúgar, Project Lead, Green Growth Unit, CEC

The CEC work on Food Loss and Waste Prevention and Reduction

Armando Yáñez, Head of Unit, Green Growth, CEC

CEC Video: Why measure food loss and waste

Presentation of Practical Guide to Measure Food Loss and Waste 2.0

Brian Lipinski, Associate, WRI

PART 2 | THE FOOD SUPPLY CHAIN ACTORS | 12:30-13:10

THE FOOD SUPPLY CHAIN ACTORS: PRIMARY PRODUCTION

Food loss and waste in fisheries? Links in the value chain of crab and clam fisheries, two sustainable fisheries in the northern Gulf of California

Nélida Barajas, Executive Director, CEDO, the Intercultural Center for the Study of Deserts and Oceans

THE FOOD SUPPLY CHAIN ACTORS: MANUFACTURERS

Food Loss and Waste Reduction – Saves money, feeds people – It's the right thing to do Teresa Schoonings, Senior Director, Government Relations and Sustainability, Bimbo Canada, and Bruce Taylor, President, Enviro-Stewards

THE FOOD SUPPLY ACTORS: FOOD SERVICE

LOS TROMPOS Restaurants: A sustainable network

Domingo Lomelí, Manager, Restaurant LOS TROMPOS Tanlum, Mérida LOS TROMPOS

THE FOOD SUPPLY ACTORS: RETAILERS AND GROCERS

Food Waste Prevention, Reduction & Recycling at ADUSA

Christine Gallagher, Manager Environmental Sustainability, Ahold Delhaize, US

THE FOOD SUPPLY ACTORS: HOUSEHOLDS

The "Save the Food, San Diego! Ecochallenge"

Sarah Feteih, Program Coordinator, San Diego Food System Alliance (SDFSA)

PART 3 | CLOSING | 13:10 - 13:30

Q&A - Debate

Brian Lipinski, Associate, WRI

Key takeaways and Closing Remarks

Armando Yáñez, Head of Unit, Green Growth, CEC





Three countries united in the protection of our shared environment

Commission for Environmental Cooperation

25 years of history

- Established in 1994 as part of the Environmental Cooperation Agreement of North America (NAAEC)
- Effective instrument to facilitate the cooperation
- Facilitator for the creation of networks
- Creator of a large collection of tools aimed at supporting our communities and governments

Overview of CEC's work on Food Loss and Waste



 Parties set FLW as a tri-national priority on CEC's Strategic Plan 2015 – 2020





TARGET 12.3

By 2030, halve per capita global food waste at the retail and consumer levels and reduce food losses along production and supply chains, including post-harvest losses

 Group of experts is formed (Steering Committee) to define the vision and guide the process

1

Understand the issue at hand

2

Developing tools and resources

3

Test, improve and promote use

Building partnerships; working together; empowering

Understanding the issue at hand...



North American Initiative on Food Waste Reduction and Recovery and the North American Initiative on Organic Waste Diversion and Processing

- Publications:
 - > Foundational reports
 - White papers
 - Case Studies



Informe sintético



FOOD LOSS AND WASTE

Approximately 168,000,000 tonnes are lost or wasted in North America each year



Food Waste: Facts & Figures

Approximately 168 million tonnes of food is lost or wasted in North America each year

And, each year, the food we waste costs the North American economy \$278 Billion US dollars and could have fed 260 million people

Here's what else we waste when we waste food:

Enough water to fill 7 million Olympic-sized swimming pools (18 billion m3)

39 million m3 of landfill space, equivalent to 13 football stadiums gets used up with our food waste each year

193 million tonnes of greenhouse gases emitted needlessly, the same as driving
41 million cars continuously for a whole year

Enough energy to power 274 million homes

In the United States alone, over 32 million hectares of wildlife habitat is lost to

farmland to grow food that is never eaten

\$1.9 billion US dollars in wasted landfill tipping fees

Food Loss and Waste Kilograms / Person / Year

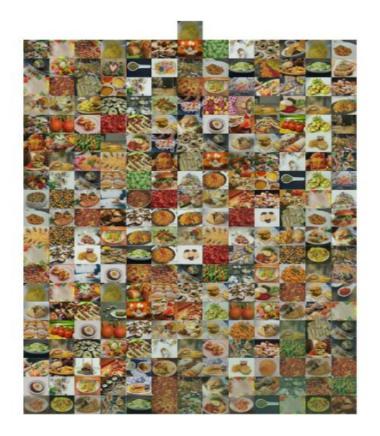


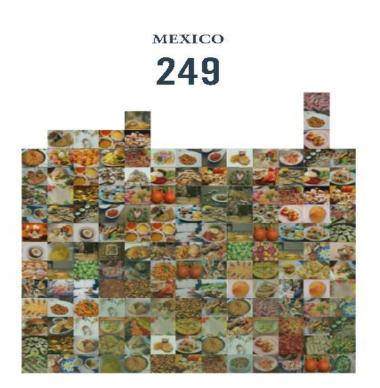
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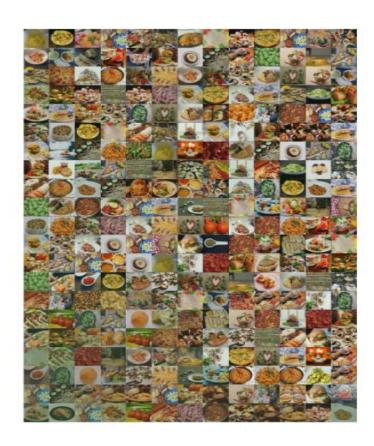
396

UNITED STATES

415







Food Loss and Waste in North America across the Supply Chain Million Tonnes / Year



CONSUMER

67

PRE-HARVEST

49



16

PROCESSING



DISTRIBUTION RETAIL FOOD SERVICE

15









POST-HARVEST



- Inaccurate supplyand-demand forecasting
- Low market prices and lack of markets (especially for second-grade products)
- Grade standards for size and quality
- Cold-chain (refrigeration) deficiencies
- Others

PROCESSING



- Inadequate infrastructure, machinery
- Damage during production
- Trimming and culling
- Inconsistent/confusing date labels
- Others

DISTRIBUTION



- Damage during transport
- Rejection of shipments
- Incorrect/ineffective packaging
- Delays during border inspection
- ✓ Others

RETAIL



- ✓ Rigid management
- ✓ Marketing practices
- ✓ Overstocking
- Market oversaturation
- ✓ Others

FOODSERVICE



- ✓ Plate composition
- ✓ Over-serving
- Improper handling and storage
- ✓ Food safety concerns
- ✓ Others

Developing tools and resources...



Tools and Resources



Food Matters Action Kit

The Food Matters Action Kit provides North American youth with dozens of easy and fun activities that have a positive impact on our environment.



Why and How to Measure Food Loss and Waste

This practical guide provides a stepby-step plan for organizations all along the food supply chain to measure food loss and waste.



Food Loss and Waste: Infographic

What is the estimated impact of food loss and waste on our lives and on our surrounding environment?

Two components...

Developing tools and resources - **Education component**

The Food Matters Action Kit

The Food Matters Action Kit is an educational tool designed to bring awareness of the growing problem of food waste in North America to kids and youth aged 5-25.

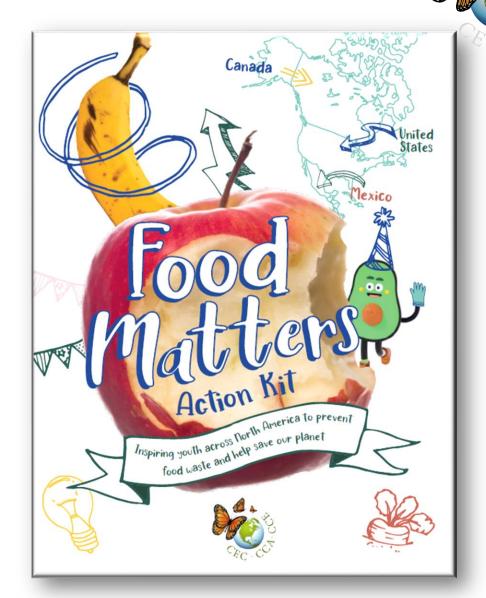
Inspiring youth across North America to prevent food waste and help save our planet

This Action Kit was developed by the CEC as part of an initiative called **Empowering Youth to Prevent Food Waste, Protect Our Environment and Help Save the Planet,**completed under the CEC's 2017-2018 Operational Plan.



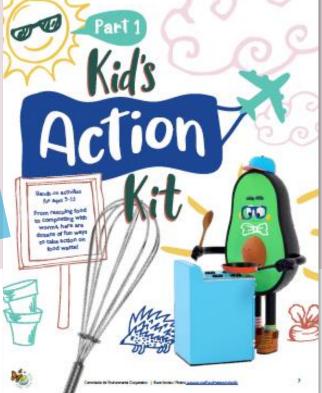
Available at www.cec.org/flwy





Anatomy of the Food Matters Action Kit

- **Educators guide**
- Activities range from 30 minutes to multi-week projects
- **Impact-oriented**
- **Challenges and Recognition system**





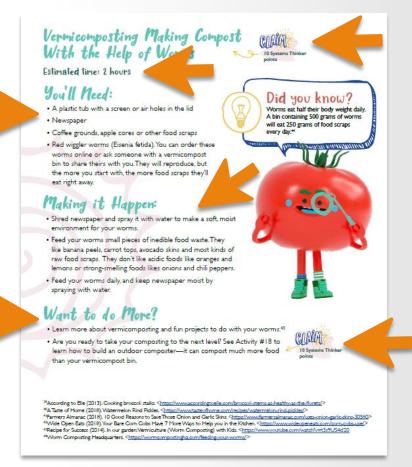












Part I Sample Activity: Tackle Food Waste with Worms

Kid's Activity #8: for kids aged 5-13 (grades K-7)



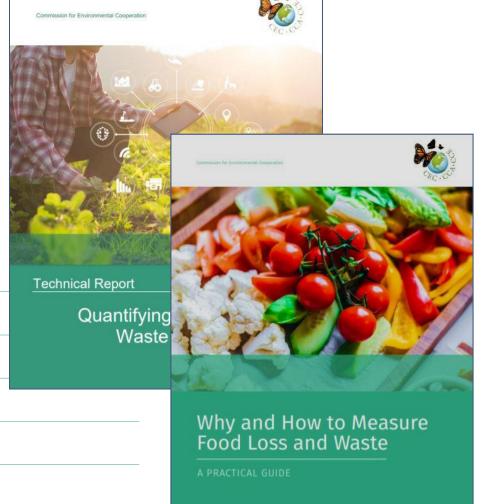
Want to know more? -- Visit www.cec.org -- Join us in the upcoming webinar with Green Teacher! The Food Matters Action Kit & Activity Guide for Educators, April 7th, 2021; 7:30-8:30 p.m. EST https://greenteacher.com/webinars/

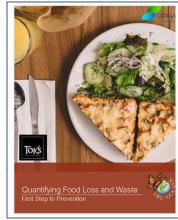
Developing tools and resources - Measurement component

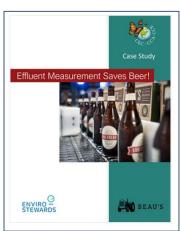


- Technical Report: Quantifying Food Loss and Waste and Its Impacts
- Practical Guide: Why and How to measure Food Loss and Waste
 - > Case studies









Test, improve and promote use... Education component

Let's Shrink Food Waste Mountain campaign



Teaching kids and youth about the impacts of food waste can help shape their habits into adulthood and encourage them to live sustainably. Here are 3 ways the *Food Matters Action Kit* fosters change:

1

00

Knowledge is Power

It teaches the impact of food waste on our planet.

2

Shift Behavior



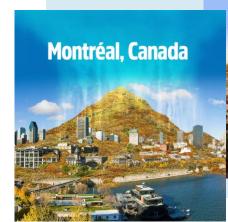
It shows youth how to prevent food waste by changing attitudes about food and by developing new habits and skills.

3



Spread the Word

It allows youth to encourage food waste action and share tips at home, at school, and in their community, in order to help address the issue together.









Let's Shrink Food Waste Mountain

Réduisons la montagne de gaspillage alimentaire Reduzcamos la montaña de alimentos desperdiciados





#ShrinkFoodWaste #FoodMattersActionKit

Module 1: Let's Shrink Food Waste

Mountain

Module 2: Tale of the Forgotten Food

#ShrinkFoodWaste

Module 3: Day of the Ugly Food

#RéduisTonGaspillage #AntiGaspillageAlimentaire

Module 1: Réduisons la montagne de

déchets alimentaires

Module 2: L'histoire des aliments oubliés

Module 3 : Les aliments moches en vedette

#ReduceElDesperdicio

#LosAlimentosImportan

Módulo 1: Reduzcamos la montaña de

alimentos desperdiciados

Módulo 2: <u>Historia de los alimentos</u>

olvidados

Módulo 3: Día de los Alimentos Feos





www.cec.org

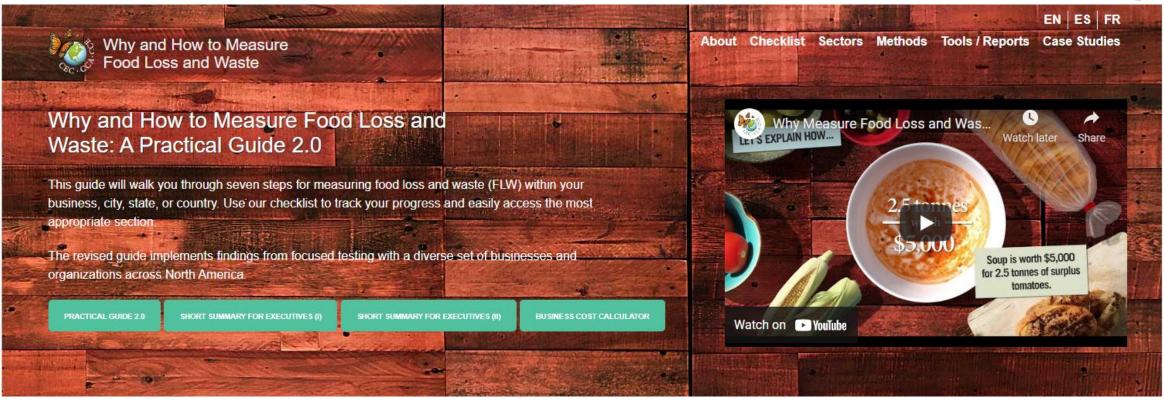


Day of the Ugly Food



Test, improve and promote use... Measurement component





Online survey

Pilot testing throughout the food supply chain

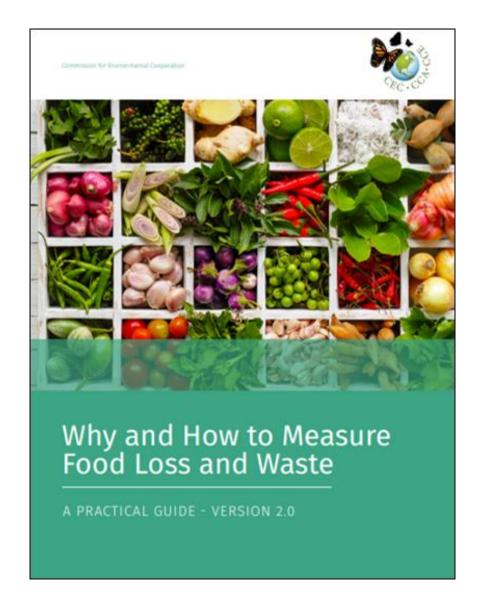
Additional Case Studies

Improved version Practical Guide 2.0

New resources

Promote use

Practical Guide 2.0





New case studies **Business cost calculator**

Loop Closing

Recycle Leaders, Loop Closing et Soilful

Executive slides Video

Bruized

BRUIZEDS

Preventing Food Loss and Waste with Partners Throughout the Food Supply Chain

The Spent Goods Company

Quelles mesures prend-on afin d'éviter la perte et le

Spent Goods

La société <u>Spent Goods</u> fondée en 2018 à Toronto, en Omtario, vise à prévenir la petre et le gaspillage d'aliments en collaborant avec des brasseries et des boulangeries locales pour transformer les drêches en nouveaux produits,

Trois petites entreprises de Washington, D.C., à savoir Recycle Leaders, Loop Closing et Soilful, se sont associées afin de mettre en place une subvention encourageant 2.D Pilot (Plan 2.D axe sur is durabilité) que est haance par la ville. La subention a permis de soutien le amis en deux ville. La subention à permis de soutien le amis en deux ville pour le l'égard du gaspillage alimentaire dans les quartiers 7 et 8 du DCJ, avec des résidants qui vivent dans un disert alimentaire. Recycle Leaders est une entreprise soits qui aide les écoles et les élèves à l'étaire un changement de qui aide les écoles et les élèves à l'étaire un changement de l'appropriée de l'étaire de l'étaire de l'étaire de l'étaire le pui aide les écoles et les élèves à l'étaire un changement de l'étaire de l'étaire de l'étaire de l'étaire de l'étaire le pui aide les écoles et les élèves à l'étaire un changement de l'étaire durable en mettant en ouvre des projets d'action efficares anfin derdiorir le spissillage. Logo Cloridage sui ne enterprise sociale qui permet aux organizations de composite leurs rettes de norultrate un place en use d'attendre Colpectif de « zère déchet », et de respecter leurs valeurs tout en éliminant les inégalités structurelles Soffial d'infe soi savoir-laire en maleire d'agriculture urbaine et à cracés à la nourriture dans les quartiers? et à savoir les secteurs du dorret de Columbia de la quartiers et à la savoir les societurs importantes difficiels en ce qui et lant à l'actés aux proportantes difficiels en ce qui et lant à l'actés aux proportantes difficiels en ce qui et fant à l'actés aux proportantes difficiels en ce qui et tant à l'actés aux proportantes difficiels en ce qui et tant à l'actés aux proportantes difficiels en ce qui et tant à l'actés aux proportantes difficiels en ce qui et tant à l'actés aux proportantes difficiels en ce qui et tant à l'actés aux proportantes difficiels en ce qui et tant à l'actés aux proportantes difficiels en ce qui et tant à l'actés aux proportantes difficiels en ce qui et tant à l'actés aux proportantes difficiels en ce qui et tant à l'actés aux proportantes difficiels en ce qui et tant à l'actés aux proportantes difficiels en ce qui et tant à l'actés aux proportantes difficiels en ce qui et tant à l'actés aux proportantes difficiels en ce qui et aux proportantes aliments et à la sécurité alimentaire.

on Food Waste @ Home (Faisons équipe pour réduire le gaspillage alimentaire à la maison), parce que plusieurs Fried, la chef de l'équipe en guestion, souhaitait gérer les

Qu'a-t-on mesuré?

Available at www.cec.org



FOOD LOSS AND WASTE:

WHY AND HOW DOES IT MATTER TO YOU?

#FoodWaste

Armando Yáñez – ayanez@cec.org

Antonia Andúgar – <u>aandugar@cec.org</u>

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