Initiatives to fight food loss

What solutions do companies bring to the table?

Dalma Somogyi
Manager Climate Smart Agriculture
World Business Council for Sustainable Development
WBCSD’s **Approach**

We target the realization of the Sustainable Development Goals (SDGs) through five work programs to achieve systems transformation.

As global business faces new and complex challenges and opportunities, our science-based approach and targeted business solutions aim to scale up business impact.
SIXTH COURT OF HELL - YAMA: KING PIENCHENG

Crime
Cheating
Cursing
Abducting others
Misuse of books
Punishment
Thrown onto a tree of knives

Breaking written rules and regulations
Wasting food

Body sawn into two
How big is the food loss and waste issue?

1.6 billion tons

$1.2 trillion
How big is the food loss and waste issue in 2030?

2.1 billion tons
1.6 billion tons
$1.5 trillion
$1.2 trillion

Source: BCG 2018 - Tackling the 1.6-Billion-Ton Food Loss and Waste Crisis
## 60 biggest market opportunities related to delivering the SDGs

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<th>Cities and Urban Mobility</th>
<th>Energy and Materials</th>
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<td>11 Restoring degraded land</td>
<td>Cultural tourism</td>
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<td>12 Reducing packaging waste</td>
<td>Smart metering</td>
<td>Green chemicals</td>
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<td>13 Cattle intensification</td>
<td>Water &amp; sanitation infrastructure</td>
<td>Additive manufacturing</td>
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<td>14 Urban agriculture</td>
<td>Office sharing</td>
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<td>15</td>
<td>Timber buildings</td>
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<td>Durable and modular buildings</td>
<td>Mine rehabilitation</td>
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<td>17</td>
<td></td>
<td>Grid interconnection</td>
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</tbody>
</table>

Source: Business & Sustainable Development Commission (2017)
$1 Invested
$14 saved

Redefining the food loss challenge
We are Here

Food, Land and Water

Circular Economy

Cities & Mobility

Redefining Value

People

Food, Land & Water

Climate & Energy
Food loss and waste in WBCSD

WBCSD Projects addressing FLW

External initiatives on FLW supported by WBCSD

WBCSD on Steering Committee since 2013

CEO and Chair both Champions to accelerate action

Indonesia FLW Action Partnership
GLOBAL AGRI-BUSINESS ALLIANCE FOOD LOSS RESOLUTION

Avoiding and reducing food loss within own operations
- by 50 percent
- by 2030,
- relative to a 2018 baseline.

Working with suppliers to help them reduce food losses.

Redefining the food loss challenge
Our Climate Smart Agriculture Statement of Ambition

Make 50% more nutritious food available and strengthen the climate resilience of farming communities

Reduce agricultural and land-use change emissions from commercial agriculture
  • By at least 3.7 Gt CO₂ eq/yr by 2030 (50%).
  • By 2050: achieve a 65% emissions reduction.

"Making 50% more food available" ≠ "Producing 50% more food"
A coalition of executives from governments, businesses, international organizations, research institutions, and civil society dedicated to inspiring ambition, mobilizing action, and accelerating progress toward achieving SDG Target 12.3

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**

WBCSD members:
Targets set ambition, and ambition motivates action.  

What gets measured gets managed.  

What ultimately matters is action.
Impact

- FLW Value Calculator

Action

- Share best practice
- Facilitate value-chain collaboration

Measurement

- Promote use of FLW Protocol

SDG 12.3

- Lead ambition as a 12.3 Champion
A multi-stakeholder effort to develop a global

*FLW Accounting and Reporting Standard*

What does the standard provide?

1. Common language
2. Consistency and transparency in accounting for FLW and reporting data
3. Practical guidance

http://flwprotocol.org/
flwprotocol.org/flw-standard
A FReSH look at Food Loss and Waste

What do companies consider priorities for their sustainability strategy?

Food Loss and Waste reduction significantly contributes to reaching a broad range of key sustainability objectives for companies in the food and agriculture sector.
What do companies consider priorities for their sustainability strategy?

Food Loss and Waste reduction significantly contributes to reaching a broad range of key sustainability objectives for companies in the food and agriculture sector.

- **8%** Global GHG emissions
- **~50x** area of global annual forest loss
- **1/3** Global food production
- **Volga’s** annual water discharge

GHG emissions

Deforestation

Smallholder livelihoods

Water management

Redefining the food loss challenge
FLW - 7% of global GHG emissions reduction potential

Source: http://www.drawdown.org/solutions-summary-by-rank
How does the FLW value calculator work?

A user can choose to enter their FLW data in a quick or a more detailed interface.
Pilot study on post-harvest losses in Nigeria

Measuring capacity of the farmer
Redefining the food loss challenge
The process

- Workshop
- Farmer survey
- Field measurement
- Tracking
- Analyze results
- Replicate

Measure
Rice in Indonesia

- 28% FLW
- +9% demand by 2025
- 97.6 kg per capita in 2017
- Demand + in all except top income group

losses are “accepted” as part of the process

breakage, spillage, attacks from rodents, insects, mould & bacteria
The Food Loss and Waste Action Partnership Indonesia

Redefining the food loss challenge
Food Loss & Waste Action Partnership

- In alignment with the SDG 12.3 target of halving FLW by 2030
- Support companies and government agencies to reduce food loss and waste in Indonesia.
- Develop a replicable model in other priority countries for FOLU and P4G such as Mexico, Colombia and Vietnam
- Adapting piloted public-private partnership approaches (UK, USA, NL) to the context of Indonesia and.

P4G priorities
- water
- energy
- healthy cities
- food

https://p4gpartnerships.org/
Winner of the 2018 P4G State of the Art Partnership Award
Indonesia food loss and waste facts

- 69% near farm losses
- 300 kg per capita per year
- 2nd highest in the world
**Strategy**

**Target**

Hotspot analysis

- Common target collectively defined by partners

**Measure**

Tailored support to partners

- Training on FLW standard use
- FLW value calculator

**Act**

Design scalable pilots in collaboration

- Prove the business case locally and make good practice spread
The Food Loss and Waste Action Partnership

- Trainings
- Access to experts
- Best practice and case study sharing
- Awareness raising

Redefining the food loss challenge
Convene
1. Convene partners from the public and private sector in Indonesia

Raise awareness
• Tackle the key barrier of lack of awareness and the social and economic imperative to reduce food loss and waste

Target
• Help all partner companies set FLW reduction targets. Adopt the voluntary target of reducing their food loss and waste by 50% by 2030

Measure
• Help companies measure and track progress in FLW reduction

Act
• Help companies develop action plans, implement strategies and practices to reduce FLW

Communicate
• Publicly communicate steps taken, results achieved, and multiple-benefits gained to multiple-partners at key international events

Replicate
• Ensure lessons learned feed into a replicable approach aimed at extensive scale-up in other regions

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FLW Action Partnership work plan
Join the journey
Our contact

Dalma Somogyi
Manager, Climate Smart Agriculture

Maison de la Paix l Chemin Eugène-Rigot 2B
CP 2075  1211 Geneva 1

Somogyi@wbcsd.org
+41 (0)22 839 31 30

Redefining the food loss challenge.