Food and Agriculture Organization of the United Nations
Our goals, mission and vision
Global food loss and waste

1.3 billion tonnes =
1 300 000 000 000 000 Kg
2 866 000 000 000 000 Pounds
Hunger: Mixed Progress

- World Food Summit 1996 goal (number) out of reach: 498 M by 2015
- MDG 1c hunger target (prevalence) closer: halve the proportion by 2015
Population growth to continue

Total population (billions)

Annual increments (millions)

1850 1900 1950 2000 2050 2100

High variant

low variant
Urbanization to accelerate
2050: 60% more staple food
What is food loss and waste?

“A decrease, at all stages of the food chain from harvest to consumption, in mass, of food that was originally intended for human consumption, regardless of the cause.”
Food loss and waste

... to the leftovers at the dinner table
30% of cereals
40-50% of root crops, fruits, vegetables
20% oilseeds, meat, dairy
35% fish
Is there enough water?
Economic and physical water scarcity

- Little or no water scarcity
- Approaching physical water scarcity
- Physical water scarcity
- Economic water scarcity
- Not estimated

Economic and physical water scarcity
Blue water footprint: countries

Total blue water footprint for consumption of agricultural products
Top 10 of countries (yearly average over the period 1996 - 2005) vs. Food wastage

<table>
<thead>
<tr>
<th>Country</th>
<th>Blue water footprint (km³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Food wastage</td>
<td>250</td>
</tr>
<tr>
<td>India</td>
<td>225</td>
</tr>
<tr>
<td>China</td>
<td>170</td>
</tr>
<tr>
<td>Pakistan</td>
<td>100</td>
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<tr>
<td>USA</td>
<td>60</td>
</tr>
<tr>
<td>Iran</td>
<td>50</td>
</tr>
<tr>
<td>Egypt</td>
<td>30</td>
</tr>
<tr>
<td>Mexico</td>
<td>25</td>
</tr>
<tr>
<td>Turkey</td>
<td>20</td>
</tr>
<tr>
<td>Indonesia</td>
<td>15</td>
</tr>
<tr>
<td>Spain</td>
<td>10</td>
</tr>
</tbody>
</table>
Blue water footprint: commodities

![Graph showing the contribution of each commodity to food wastage and blue water footprint.](image)
Is there enough land?
Land occupation: countries
Land occupation: commodities

[Bar chart showing the contribution of each commodity to food wastage and land occupation. The chart includes commodities such as cereals, starchy roots, oil crops, pulses, fruits (excluding wine), meat, milk, eggs, and vegetables. The chart uses blue bars for food wastage and red bars for land occupation.]
2015: International Year of Soils
GHG emissions in agriculture
GHG emissions: countries
GHG emissions: commodities
Conclusion

• Multistakeholder partnerships
• Save Food Network
• Food Loss and Waste Protocol
• Research, awareness

It can be done!
Thank you!

Join the Save Food Partnership Network: http://www.fao.org/save-food/get-involved