TURKISH EFFORTS AND EXPERIENCES ON FOOD LOSSES AND WASTE

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- ☐ Introduction
- ☐ Researches
- ☐ Campaign
- ☐ Results









General Information

MILLENIUM DEVELOPMENT GOALS





ENVIRONMENTAL SUSTAINABILITY PARTNERSHIP FOR

DEVELOPMENT



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



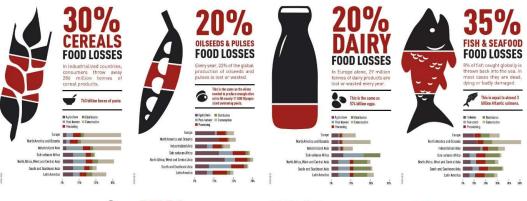
12.3 By 2030, halve per capita global food waste at the retail and consumer levels and reduce food losses along production and supply chains, including post-harvest losses





General Information

□ FLW is a global problem of great economic, environmental and societal significance.





(FAO, 2013)









Situation in Turkey

The percentages of food losses and waste

The percentages of food fosses and waste					
	Agricultural Production	Postharvest Handling and Storage	Processing and Packaging	Distrubition	Consumption at Household Level
Cereals	5%	4%	2%	1%	5%
Roots and Tubers	7%	6%	2%	3%	2%
Oilseeds and Pulses	15%	5%	7%	1%	4%
Fruit and Vegetables	20%	8%	10%	10%	5%
Meat	10%	0%	5%	1%	1%
Fish and Seafood	10%	0%	0%	0%	2%
Milk	10%	1%	2%	6%	2%
Eggs	6%	1%	2%	1%	0%

(Tatlıdil, Dellal, Bayramoğlu, FAO, 2013)







Situation in Turkey

Wheat Production: 7.8 million ha (TSI, 2016)

: 17.7-22.6 million tons (TSI, 2016)

Bakery sector : 56% of food enterprises >

Flour mill :>700

Flour production : 8.5 million tons (TSI, 2014)

Export (118 countries) : 2.8 million tons (TSI, 2015)



TSI: Turkish Statistical Institute







Situation in Turkey

Bread Sector Value : 10 billion \$ (Euromonitor Int., 2013)

Bakery : 24.597 (MFAL)

Employment : >100.000 people

Bread Consumption: 146 - 168 kg/person.year

(Approximately 52% of our country's daily energy needs)











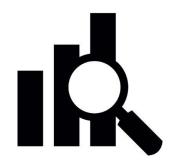


Bread Waste

According to the 2012 research results;



☐ The ratio of bread waste in Turkey increased by 20% (2008 to 2012)





- ☐ 6 million loaves/day
- ☐ 2.1 billion loaves/year

WASTE

VALUE

☐ The economic value of bread waste was nearly 0.8 billion USD (1.6 billion TRY)















Başbakanlık Mevzuati Geliştirme ve Yayın Genel Müdürlüğünce Yayımlanır

KURULUŞ: 7 EKİM 1920

* (Republic of Turkey, Official Newspaper; April 2, 2013)

2 Nisan 2013 Salı

- Prime Ministry Circular -

The Campaign for Preventing Bread Waste











Ministry of National Education



Ministry of Interior



Ministry of Family and Social Policies

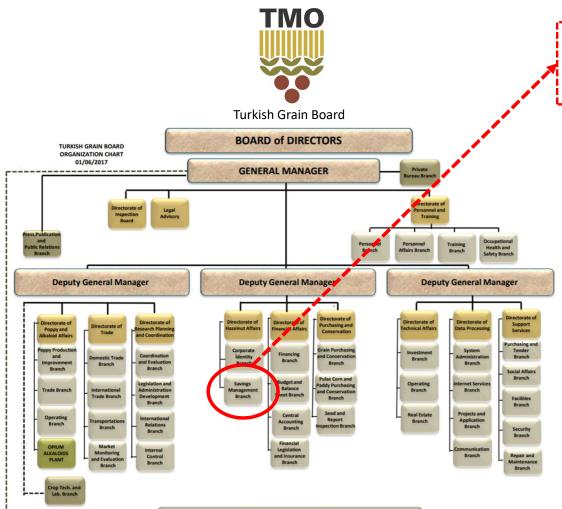








Organization



SAVING MANAGEMENT BRANCH



More than 100 coordinators



Web Site

www.ekmekisrafetme.com









Advertisement - Music

- ☐ 7 different public serve ads were prepared
- ☐ Campaign music was composed and shared.













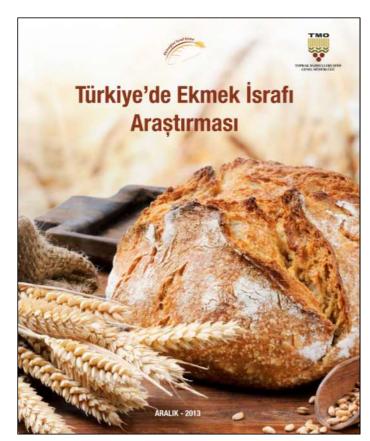


Research Books

☐ Research books were distributed.



2012



2013







Receipes - Brochures

☐ Receipes of food with stale bread cookbook and campaign brochures were printed and distributed.







2013





Events

☐ The Campaign has been supported nationwide and a total of 887 events have been carried out with 822 institutions till.





Public serve ads were

- oxdot broadcast **8.010** times on national TV channels,
- ☐ reported as news 1.459 times on news channels,
- □ placed 8.512 times at print media on local, regional and national level.









Press Conference

With the termination of the campaign;

A new research was conducted by TMO at the end of 2013.

The results were declared to the public by FAL Minister at a press conference.



17.01.2014





2012 → 5.9 million loaves

2013 → 4.9 million loaves











■ 384 million loaves of bread have been saved from being thrown away.

□ Campaign contributed to the economy of Turkey 1.4 billion \$ (2.8 billion ₺).



Consumption of;

- ☐ Whole wheat bread increased by 93%
- ☐ Bran bread by 283%







During the campaign period, significant results were obtained with voluntary support and participation.

These results are very important in terms of increasing social awareness and ensuring effective use of resources without waste.

The Campaign is also considered by FAO;

'The most comprehensive practice carried out through a public institution and shown as an example of good practice around the world.'







The Campaign has also been presented in different international platforms within framework of FAO and G20 meetings held in *Budapest, Rome and Bucharest*.









The studies for Preventing Bread Waste are aimed to be continued until the end of 2018.



One man's trash is another man's treasure 🕾

THANK YOU

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