MIGROS Bilgi Teknolojileri

Zeynep Turgay

Bir Bakışta Migros

Migros Ar-Ge Merkezi

35 Bin Çalışan

28,8 Milyar TL Ciro

3000+ Tedarikçi

81 İldeyiz

2.298 Mağaza

Makedonya 28

Ramstore

7 ilde 21 Dağıtım Merkezi

MiGROS sanalmarket

MiGROS hemen — Hemen kapında.

macro online

Taze Direkt .com

Perakende sektörünü **100'den fazla yenilikle** tanıştırdı

MiGROS

66.Yıl

TÜRKİYE'NİN EN BEĞENİLEN ŞİRKETLERİ

16 yıldır Türkiye'nin en beğenilen perakende şirketi

Kalite Belgelerimiz

- TS EN ISO 9001 — Migros Kalite Yönetim Sistemi & İç Denetim Direktörlüğü Kalite Yönetim Sistemi
- TS ISO 45001 — İş Sağlığı Ve Güvenliği Yönetim Sistemi
- TS EN ISO 22000 — Gıda Güvenliği Yönetim Sistemi
- TS EN ISO 14001 — Çevre Yönetim Sistemi
- TS ISO 10002 — Müşteri Memnuniyeti Yönetim Sistemi
- FSSC 22000 — Gıda Güvenliği Yönetim Sistemi
- TS OIC/SMIIC 1 HELAL — Helal Sertifikası

Perakende **6 yıldır üst üste** BIST Sürdürülebilirilik Endeksi'ndeki tek şirket

CDP Türkiye İklim Lideri

2019 CDP Notu: **A-**

MİGET

Türkiye'nin **en büyük** et işleme tesisi **65 bin Ton** Et İşleme Kapasitesi

HORIZON 2020 ÇALIŞMALARI

Migros Ar-Ge Merkezi

PROGRAM	BAŞVURU TARİHİ	PROJE İSMİ	Değerlendirme Sonucu-Destek Kararı	MİGROS' UN ROLÜ
H2020-ICT-2015	14 Nisan 2015	Smarket - Smart M2M ARchitecture for interKonnected Enterprises and Things	12/15	Ortak
H2020-ICT-2016-2017	12 Nisan 2016	COCO (CrOss-lingual and CrOss-modal Product Search)	6.5/15	Ortak
H2020-ICT-2016-2017	12 Nisan 2016	Protail - Shifting Retail Operations from Reactive to Proactive using Big Data analytics	11/15	Ortak
H2020-ICT-2017-1	25 Nisan 2017	EDI - European Data Incubator	14.50/15	Ortak
H2020-SFS-2017	14 Şubat 2017	YPACK - Hıgh Performance Polyhydroxyalkanoates Based Packagıng To Minimise Food Waste	14.50/15	Ortak
H2020-ICT-2016-2017	25 Nisan 2017	Protail - Shifting Retail Operations from Reactive to Proactive using Big Data analytics	10.50/15	Ortak
H2020-ICT-2018-2020	17 Nisan 2018	AMBIENT - Advanced Multi-functional Built-environments Integrated E-lighting NeTworks	8/15	Ortak
H2020-SFS-2018-2020	23 Ocak 2019	ORIGINS- OPTIMIZED & INTEGRATED ARCHITECTURE FOR FOOD SAFETY ASSESSMENT FROM ORIGINS TILL EXPIRY	8/10 Desteklenmedi	Koordinatör
H2020-DT-ICT-05-2020	13 Kasım 2019	REACH - EuRopEAn incubator for trusted and secure data value CHains	12/15	Ortak
H2020-RUR-2020	23 Ocak 2020	F2FNOWASTE FARM-TO-FORK ENGAGEMENT MODEL FOR FOOD WASTE PREVENTION	12.5/15 Desteklenmedi	Koordinatör
ERA-NET PRIMA 2020	Şubat 2020	BACKtoMEDiet - Back to healthy future by re-designed recipes and ingredients of Mediterranean diet	8.33 Desteklenmedi	Ortak
ERA-NET COFUND-ICT-AGRI FOOD	Mart 2020	FOODDATA	Desteklenmedi	Ortak
H2020-EIC-FTI-2018-2020	9 Haziran 2020	WasteDisrupt - Handheld device for measuring freshness and prediction of correct expiration dates for meat and fish	13.04/15 Desteklenmedi	Ortak
H2020-ICT-2018-20	17 Haziran 2020	AGROTICS - Large scale pilots for the AGRi-food sector involving the use of roboTICS	10/15 Desteklenmedi	Ortak
H2020-ICT-2018-20	17 Haziran 2020	SHAREAWARE - Distributed & Shared Situational Awareness in Unstructured and Highly Dynamic Human-Robot - Collaboration Spaces	8/15 Desteklenmedi	Ortak
PRIMA 2019	16.07.2019	MEDIFIT - An interlinked digital platform for Food Integrity and Traceability of relevant MEDIterranean supply chains	14.83/15	Ortak
PRIMA 2019	05.09.2019	BiOFRESHCLOUD - Enhancing Mediterranean FRESH Produce Shelf-life using Sustainable Preservative Technologies and communicating knowledge on dynamic shelf-life using Food CLOUD Services and Predictive Modelling	NA	Ortak

MiGROS TiCARET A.Ş.

HORIZON 2020 ÇALIŞMALARI

Migros Ar-Ge Merkezi

EUROPEAN COMMISSION

HORIZON 2020

Excellent Science (24.4 B €)

- European Research Council (13.1 B €)
- Future and Emerging Technologies (2.7 B €)
- Marie Skłodowska-Curie Actions (6.1 B €)
- Research Infrastructures (2.5 B €)

Industrial Leadership (17 B €)

- LEIT = Leadership in enabling and industrial technologies
  - ICT
  - Nano, new materials
  - Biotechnology
  - Space

  (13.5 B €)
- Access to Risk Finance (2.9 B €)
- Innovation in SMEs (0.6 B €)

Societal Challenges (29.7 B €)

- Health (7.5 B €)
- Food (3.9 B €)
- Energy (6 B €)
- Transport (6.3 B €)
- Climate (3 B €)
- Inclusive Societies (1.3 B €)
- Security (1.7 B €)

Spreading Excellence (0.8 B €)

Science for Society (0.5 B €)

EIT (2.7 B €) | **JRC (1.9 B €)** | **Euratom (1.6 B €)**

HORIZON 2020 ÇALIŞMALARI

Migros Ar-Ge Merkezi

HORIZON EUROPE

SPECIFIC PROGRAMME: EUROPEAN DEFENCE FUND

Exclusive focus on defence research & development

- Research actions
- Development actions

SPECIFIC PROGRAMME IMPLEMENTING HORIZON EUROPE & EIT*

Exclusive focus on civil applications

Pillar I — EXCELLENT SCIENCE

- European Research Council
- Marie Skłodowska-Curie
- Research Infrastructures

Pillar II — GLOBAL CHALLENGES & EUROPEAN INDUSTRIAL COMPETITIVENESS

Clusters
- Health
- Culture, Creativity & Inclusive Society
- Civil Security for Society
- Digital, Industry & Space
- Climate, Energy & Mobility
- Food, Bioeconomy, Natural Resources, Agriculture & Environment

- Joint Research Centre

Pillar III — INNOVATIVE EUROPE

- European Innovation Council
- European innovation ecosystems
- European Institute of Innovation & Technology*

WIDENING PARTICIPATION AND STRENGTHENING THE EUROPEAN RESEARCH AREA

- Widening participation & spreading excellence
- Reforming & Enhancing the European R&I system

EURATOM

- Fusion
- Fission
- Joint Research Center

* The European Institute of Innovation & Technology (EIT) is not part of the Specific Programme

Migros Ar-Ge Merkezi

HORIZON EUROPE VE GLOBAL CHALLANGES NEDEN ÖNEMLİ

- *Avrupa Komisyonu Green Deal ve United Nations Sustainable Development Goals dokümanlarında açıkladığı üzere sürdürülebilir ve eşitlik ilkesine dayalı bir Dünya için bir eylem planı yaptı.*
- *Buna doğrultuda Avrupa Komisyonu Araştırma Ajansı tarafından bir ARGE bütçesi oluşturuldu.*
- *Yeni regülasyonlar, teşvikler ve vergilendirmeler paralelde düzenleniyor.*
- *Horizon Europe bu değişime uyum sağlamak için çok önemli bir fırsat.*

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PROJE ŞABLONU

Proje bölümleri:

1- Excellence

2- Impact

3- Implementation

Çağrılarda aranan en önemli kriter Avrupa Komisyonu' nun beklentilerine ve ihtiyaçlarına uygunluk:

- ***Çağrı metni***
- ***EC, UN, FAO, WHO tarafından yayınlanmış olan dokümanlar.***

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GLOBAL CHALLANGES

- UN SDG 2030: This Agenda is a plan of action for people, planet and prosperity. We recognize that eradicating poverty in all its forms and dimensions, including extreme poverty, is the greatest global challenge and an indispensable requirement for sustainable development.

- **The European Green Deal** is a response to the climatic challenges. It is a new growth strategy that aims to **transform the EU into a fair and prosperous society, with a modern, resource-efficient and competitive economy** where there are **no net emissions of greenhouse gases in 2050 and where economic growth is decoupled from resource use**.

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ÖRNEK ÇAĞRI

TOPIC: Testing and demonstrating systemic innovations in support of the Farm-to-Fork Strategy

Subtopic E. [2021] Reducing food losses and waste at every stage of the food chain including consumption, while also avoiding unsustainable packaging (IA)

EC WASTE DIRECTIVE:

- **(1) Prevent**
- **(2) Recycle**
- **(3) Redistribution (Donate)**
- **(4) Recover (Biofuel or vitamin production)**
- **(5) Discard**

EC Legislation 94/62/EC:

- **By 31 December 2025, at least 65% by**
- **weight of all packaging waste must be recycled.**
- **• By 31 December 2030, at least 70% by weight of all packaging**
- **waste must be recycled.**

Farm-to-fork Strategy of Green Deal:
Target 5: reducing food loss and waste

UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS

SDG12.3: 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
VERSUS

SDG 11.a: Support positive economic, social and environmental links between urban,
peri-urban and **rural areas** by strengthening national and regional development
planning

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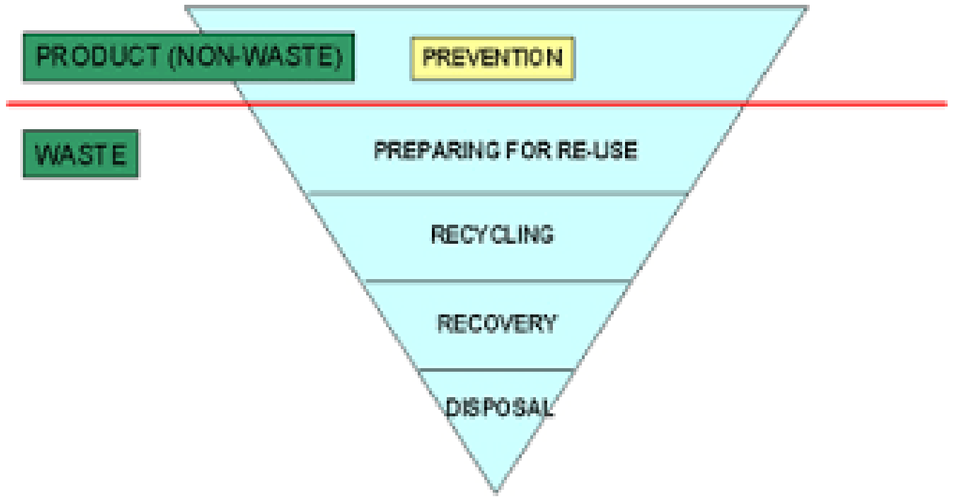


Migros Ar-Ge Merkezi

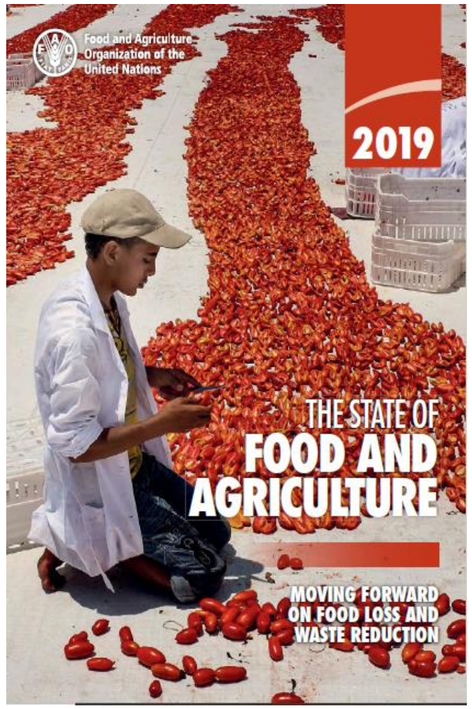
ÖRNEK ÇAĞRI

TOPIC: Testing and demonstrating systemic innovations in support of the Farm-to-Fork Strategy

Subtopic E. [2021] Reducing food losses and waste at every stage of the food chain including consumption, while also avoiding unsustainable packaging (IA)

It is often assumed that cutting food losses and waste will automatically help reduce world hunger and improve food security. It is also expected to improve the safety and nutritional quality of foods, especially in countries where many suffer from hunger and malnourishment…. The channels through which reductions in food losses or waste affect food security and nutrition are complex and context-dependent and need to be analysed carefully… Positive outcomes from reducing food loss and waste are far from guaranteed, and the impacts will differ according to where food loss and waste is reduced. It is exactly for this reason that policymakers need to be clear about the objectives they choose to pursue.

The State of Food and Agriculture.. FAO,2019



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GLOBAL CHALLANGES – FOOD WASTE

1. The State of Food and Agriculture, FAO (2019)
2. Reducing Food Loss and Waste: Setting a Global Action Agenda, Rockerfeller Institute, Flanagan, 2019
3. Resilient livelihoods: disaster risk reduction for food and nutrition security, FAO
4. Agriculture, forestry and fishery statistics, 2018, EOROSTAT
5. Resilient livelihoods: disaster risk reduction for food and nutrition security, FAO
6. A Farm to Fork Strategy for a fair, healthy and environmentally-friendly food system, EC, 20.05.2020
7. Food system resilience: Defining the concept, Tendall et. Al,
8. Global Food Losses and Waste, FAO, 2011
9. Reducing Food Loss and Waste: Setting a Global Action Agenda, Rockerfeller Institute, Flanagan, 2019
10. Food Wastage Footprint, Impacts on Natural Resources, FAO, 2013
11. EU guidelines on food Donation. 2017

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TÜBİTAK – NATIONAL CONTACT POINTS

1- KOORDİNATÖRLÜK DESTEKLEME PROGRAMI

2- SEYAHAT DESTEĞİ

3- BİLGİ GÜNLERİ

TÜBİTAK TEYDEB

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SORULARINIZ...