Strategic activities of the European Commission - FLW reduction

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Content

- **EU institutional context**

- **Policy context**

- **Overview of EU approaches tackling FWL**

  – **Food Waste prevention**

  – **Research and Innovation approaches** (H2020/EIP-AGRI/CAP)

- **Conclusions**

EU Institutional context

European Commission

Agriculture and Rural Development

Directorate-General for Health and Food Safety (DG SANTE)

EUROPEAN COMMISSION Research & Innovation

European Commission environment

SDG 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.
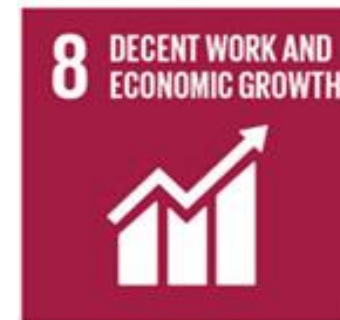
Food waste prevention: integral part of Circular Economy Package
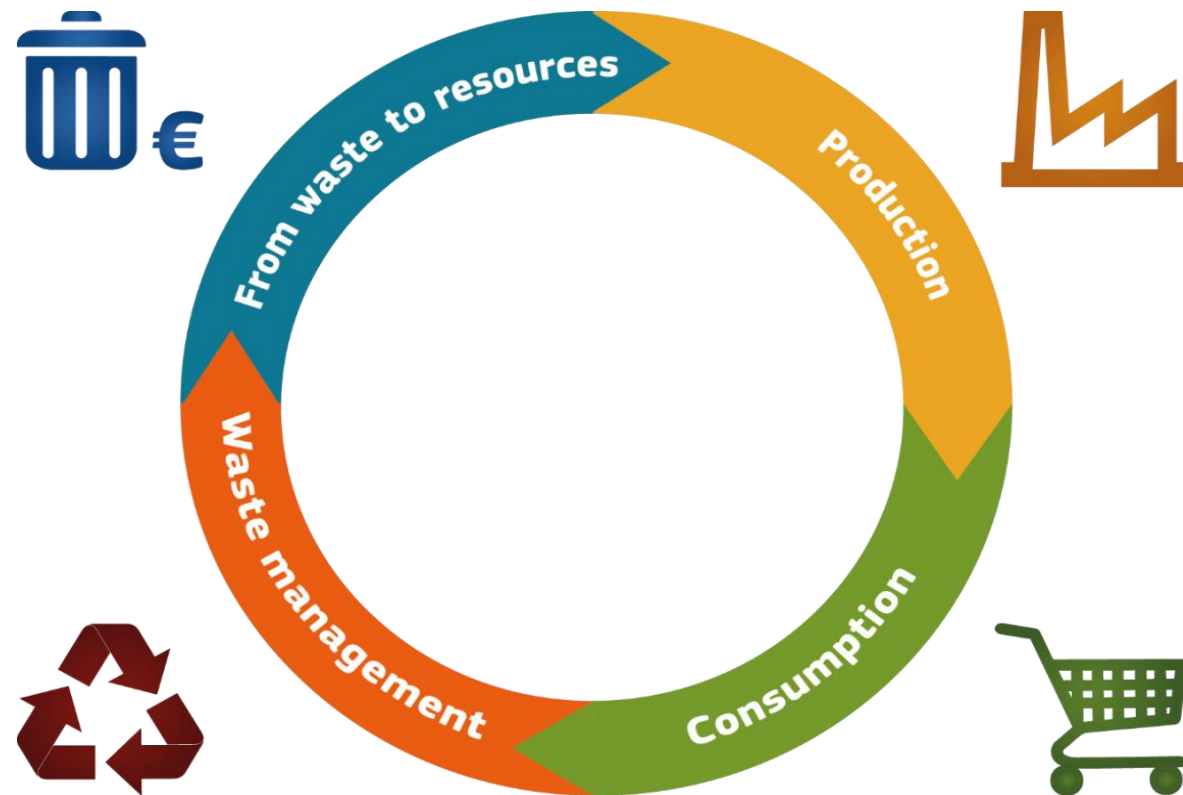
Food waste prevention

- **Overall aim:** Reach <u>Sustainable Development Goal (SDG) to halve food waste by 2030</u> at **retail and consumer level** and <u>reduce food losses</u> along the food **production and supply chain**.

- <u>Food waste in the EU</u>*:
    – around 88 million tonnes of food are wasted every year (173 kg/pcc)
    – Estimated cost: 143 billion €
    – 20% of food produced ends up as waste
    – 70% of EU food waste: consumers, retail and food service sectors
    – 30% of EU food waste: processing and production sectors

 *based on FUSIONS definitional framework (2012 data)

Fight Food Waste & Losses

NO impact on safety of the food and feed chain !

- EU Platform on food waste prevention

- Legislation

- **Measure** and **monitor** food waste

- **EU guidelines** to avoid food waste & to interprete the FW rules

- Promote **better understanding** and use of **date marking**

- **Research** and **Innovation**

- **Investments** (modernisation, non-productive, cooperation)

http://ec.europa.eu/stop food waste

Waste legislation proposal:
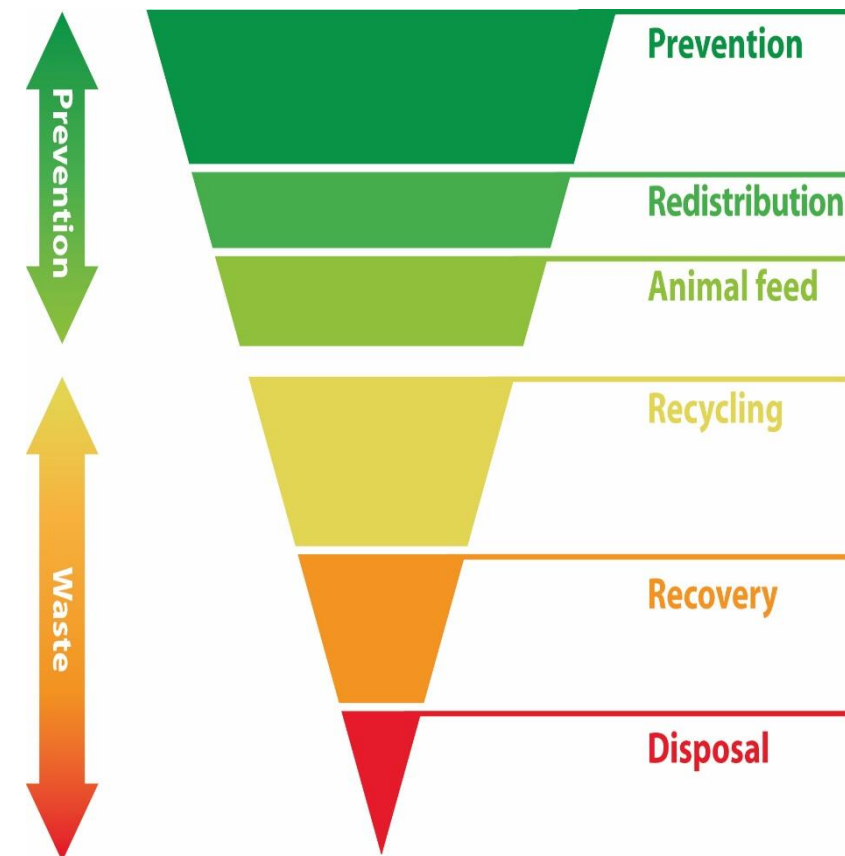
The proposal reflects commitment to SDG 12.3 and requires MS to:

reduce food waste at each stage of the food supply chain (including households);

monitor food waste levels; and

report back on progress.

Launch of EU Platform dedicated to food waste prevention

PREVENTION

REDISTRIBUTION

ANIMAL FEED

RECYCLING

RECOVERY

DISPOSAL
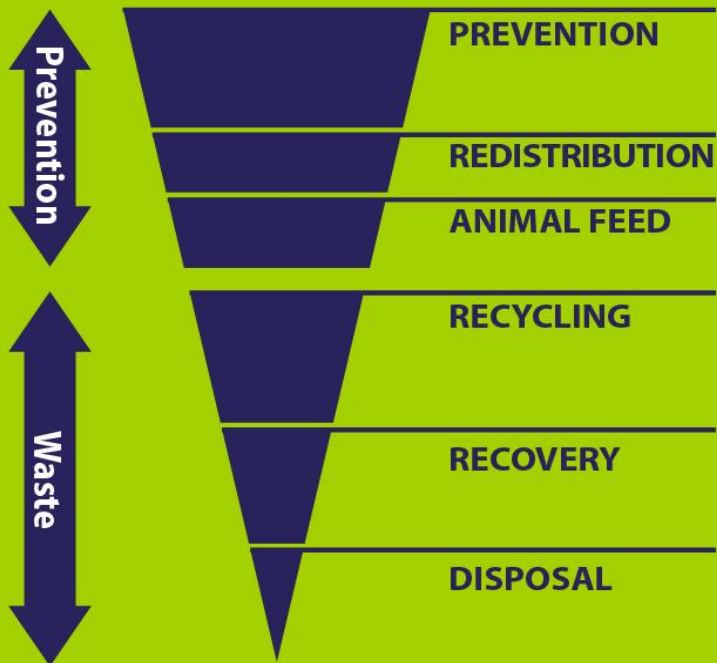
Prevention

Waste

EU Platform on Food Losses and Food Waste

We bring together all the actors involved and facilitate their work to prevent food waste & support the paradigm shift towards a circular economy and more sustainable food systems.

EU food donation guidelines

**The European Commission will develop
in co-operation with Member States and stakeholders**
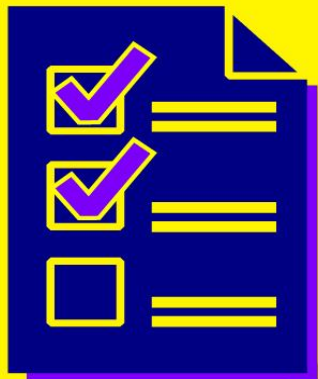
EU food donation guidelines

The guidelines will help food donors and food banks/charity organisations to comply with relevant EU legislation (food safety, traceability, food hygiene, labelling etc.) with adoption forecast for end 2017.

EU guidelines: former food to feed

> Facilitate the safe feed use of former food
> Hindrance due to legal uncertainty and unnecessary administrative burden should be paved away
> Intensive consultation with authorities and stakeholders
> Publication of the guidelines scheduled for this autumn

Date marking

STOP FOOD WASTE ... **KNOW YOUR DATES!**

"USE BY" ≠ **"BEST BEFORE"**
informs you about   informs you about
FOOD SAFETY   **FOOD QUALITY**

58% consumers say they always look at date marking when shopping and preparing meals, but less than 1 in 2 understand its meaning.

Commission *Food Waste* website: sharing good practices

Good practices in food waste prevention and reduction

A wide range of initiatives to prevent and reduce food waste are underway at national, regional and local level in the EU. This webpage aims to facilitate the exchange of good practices by compiling as many of these initiatives together in one place as possible. Have a look and be inspired!

Good practices in food waste prevention and reduction

* Research and innovation
* Awareness, information and education
* Policy, awards, self-imposed certification
* Food redistribution

Should you wish to **contribute to this compilation** of good practice initiatives in food waste prevention and reduction, please contact the Commission at:
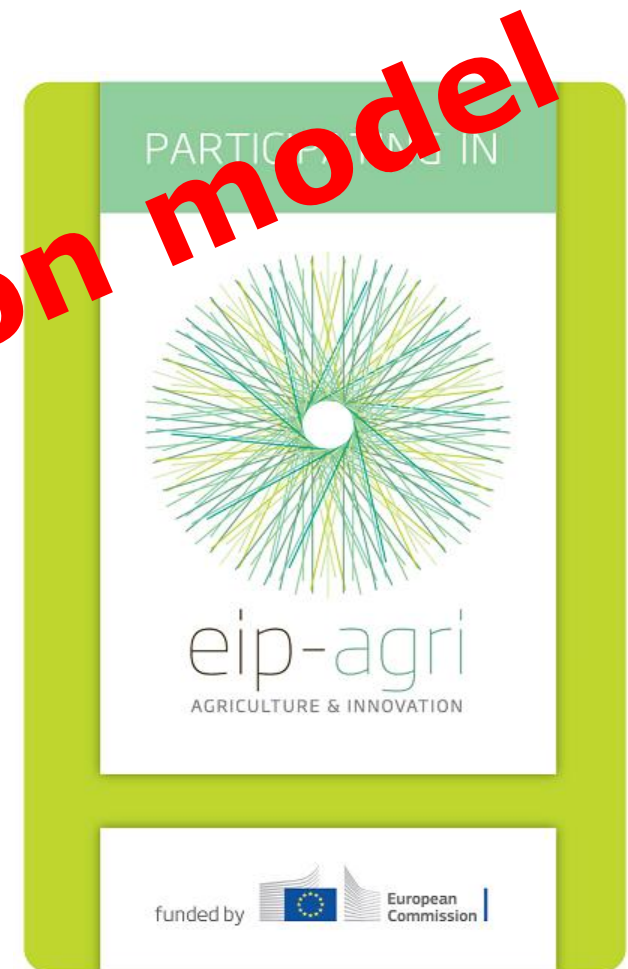
SANTE-FOOD-WASTE@ec.europa.eu

FOOD WASTE

Stop food waste

EU actions

Good practices

Research and innovation

Awareness, information and education

Policy, awards, certification

Food redistribution

Communications materials

Resources library

Research and Innovation approaches

THE FRAMEWORK PROGRAMME FOR RESEARCH AND INNOVATION

HORIZON 2020

H2020

https://ec.europa.eu/programmes/horizon2020/en/food-security-sustainable-agriculture-and-forestry-marine-maritime-and-inland-water-research-and-0
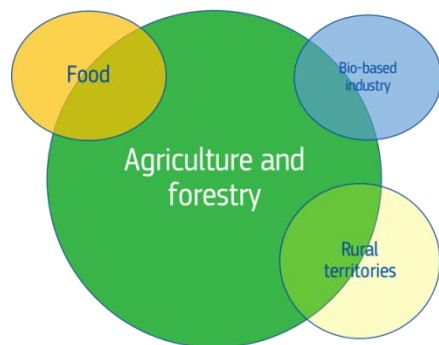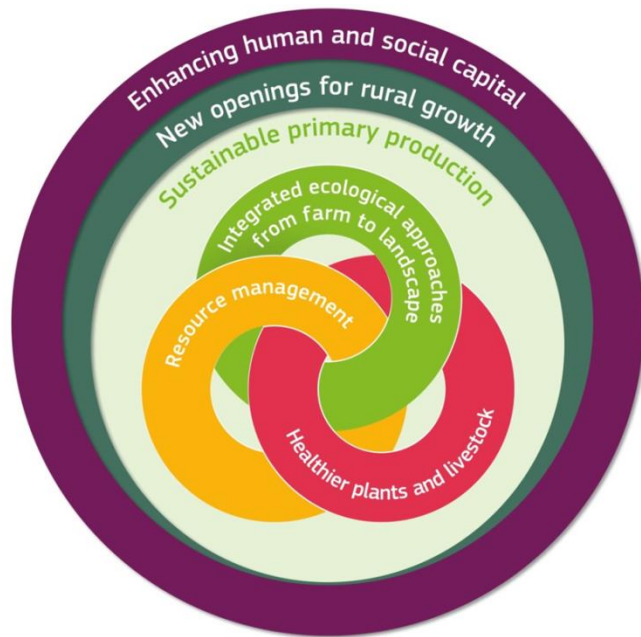
EIP-AGRI

http://ec.europa.eu/eip/agriculture

Interactive Innovation model

Strategic Approaches to R&I

A Strategic Approach to EU Agricultural R&I

FOOD 2030 Initiative

Connecting policies: creating complementarities & synergies
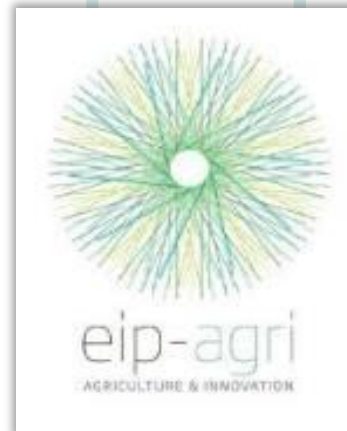
CAP /Rural development
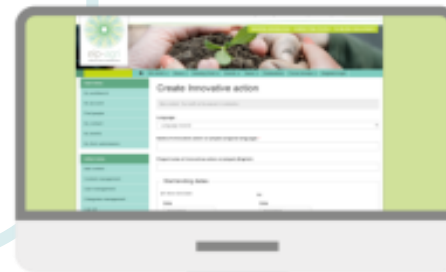### (regional/national level)

Farmers

NGOs

Advisors

Operational Group

Agri-business

Researchers

EIP network(s)

Funding for:

OG preparation

OG projects

Innovation support services

HORIZON 2020

(European projects)

- **Research projects**
- **Multi-actor projects and thematic networks**
(interactive innovation)

eip-agri
AGRICULTURE & INNOVATION

OPERATIONAL GROUP

Involvement of OGs is strongly recommended

Unique EU knowledge repository
of contacts and practice abstracts

OG projects: first indications

Around 3200 OGs planned (2014-2020)

In terms of **scope**:

Precision farming / monitoring 11%

Soil 5%

Agro-environment 9%

Animal feed 8%

Animal welfare 5%

Bioenergy 2%

Plant protection 12%

Bovine production 6%

Pig production 6%

New supply chains / marketing 8%

Other technic /economic 6%

Farm benchmarking

Organic farming 8%

Genetic resources /varietal selection 5%

Fertilisation 5%

4%

In terms of **sectors:**

- 59% vegetal production

- 28% animal production 20% both animal and vegetal production

- 5% forestry, wood and trees

- 5% Prepared/processed products

N.B. Initial clustering analysis covering 231 OGs

EIP workshop "*Cities and Food: Connecting consumers and producers*" *(September 2016, Krakow)*

1. **Cities:** collaborating with the Milan Urban Food Policy Pact (MUFPP) which has the intention to move towards **linking the city with food producers in a sustainable way**.

   The Milan Urban Food Policy Pact (MUFPP) was signed in October 2015 by 53 cities from 15 EU members states (in total by 116 cities worldwide). By signing the Pact, cities commit themselves to upgrade their policies on sustainable food systems, to engage all sectors in the food system (e.g. small scale producers, private sector and civil society) and to take action to address the food system.

2. **Farmers:** improve producer incomes, promote sustainable farming systems

   - Approach: combining the networks of the EIP-AGRI and the MUFPP, by connecting **"trios"** (1=city/2=RD managing authorities/3=farmers) + experts

Tackling FLW through various dimensions

Collaborative project - examples (R&I/IA)

- *REFRESH*: **Resource Efficient Food and dRink for the Entire Supply cHain** *(RIA)*
- MycoKey: Integrated and innovative key actions for **mycotoxin** management in the food and feed chain (RIA)
- FRESH-DEMO: Waste reduction and quality improvement of fruits and vegetables via an innovative and energy-efficient **humidification/disinfection technology** (IA)
- AGROinLOG: Demonstration of innovative **integrated biomass logistics centres** for the Agro-industry sector in Europe (IA)
- *IoF2020: Internet of Food and Farm 2020 (Large scale pilot - **deployment of IoT technologies** in farming and food chains) –IA*
- *NoAW - Innovative approaches to **turn agricultural waste into ecological and economic assets***

Thematic networks -examples

- *SKIN - Stimulating innovation and good practices in short supply chains*
- *CERERE: Cereals: organic/low input cereal food systems for biodiversity and quality (production, processing, marketing)*

SMEInst-07-2016-2017: Stimulating the innovation potential of SMEs for sustainable and competitive agriculture, forestry, agri-food and bio-based sectors

Conclusions

- **Food waste – global, multifaceted** issue **-> coherent & coordinated** responses at each stage of the food value chain

- **Engagement of all actors**, from farm to fork

- **EU action** complements/adds value to Member State initiatives

- **Integrate food waste prevention in relevant policy areas** (MSs and EU level)

- **Mutual learning and sharing of best practice**, including international experience

- **Sustained investments in research and innovation** at **national** and **EU levels ->** acting now with strategic long-term approach in mind (time lag of impact of research)

- **Closing the innovation gap** between research and practice:

  - great potential of *already existing knowledge* -> organising and structuring *knowledge exchange* at regional /national /EU level ->FAS/EIP-AGRI/H2020

  - *knowledge co-creation* (interactive innovation formats) – user ready

Thank you !