



Sustainable Food and UN Sustainable Development Goals - The reasons for actions

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ACR+ and Circular Economy

- Who we are
- What and Why?
- How ? (at UN and EU level)
- What are we doing on sustainable food?

ACR+ and Circular Economy

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- What and Why?
- How ?
- What are we doing on sustainable food ?

ACR+

Association of **Cities** and **Regions**
for Recycling and sustainable Resource management

Multi-stakeholders
approach

To improve resource efficiency
and circular economy policies



Since
1994

- +/- 90 members
- 23 countries



Some of our members

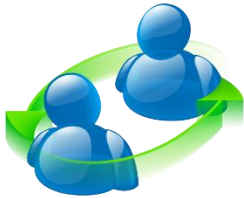


Join us: www.acrplus.org/index.php/en/about-acr/join-us



ACR+

Association of Cities and Regions
for Recycling and sustainable Resource management



Exchanges



Publications



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Conferences



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News

- +/- 90 members
- 23 countries



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What?

A sustainable food system is defined as "**a food system that delivers food security and nutrition for all in such a way that the economic, social and environmental bases to generate food security and nutrition for future generations are not compromised.**"

FAO High Level Panel of Experts on food security and nutrition



Why ?



1 in 9 suffer from hunger



2 in 10 are overweight

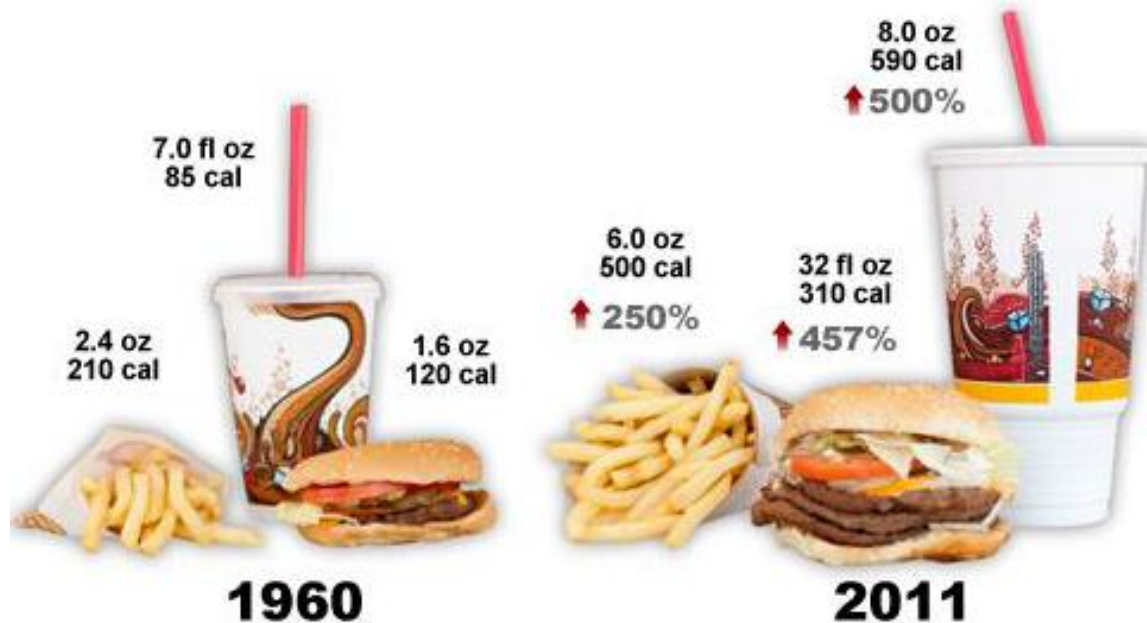


Our food system is not sustainable

Why ?

Portion Sizes—Then and Now

Fast food portions have increased dramatically since 1960. Here's how they stack up, then and now:



Our food habits are not sustainable

Why ?



Up to 30 % of food produced is wasted...

The main challenges of food sustainability

Social challenges

- Inequalities (North-South, in the North, in the South)
- Food system governance
- Justice, equity
- Access to food for all people
- Consumer and innovation
- Respect for cultural aspirations
- Eater anxiety
- Working conditions

Environmental challenges

- Pollution (slicks, air, rivers, ground)
- GHG emissions (CO₂, CH₄, N₂O)
- Biodiversity (source of services)
- Water consumption and land use

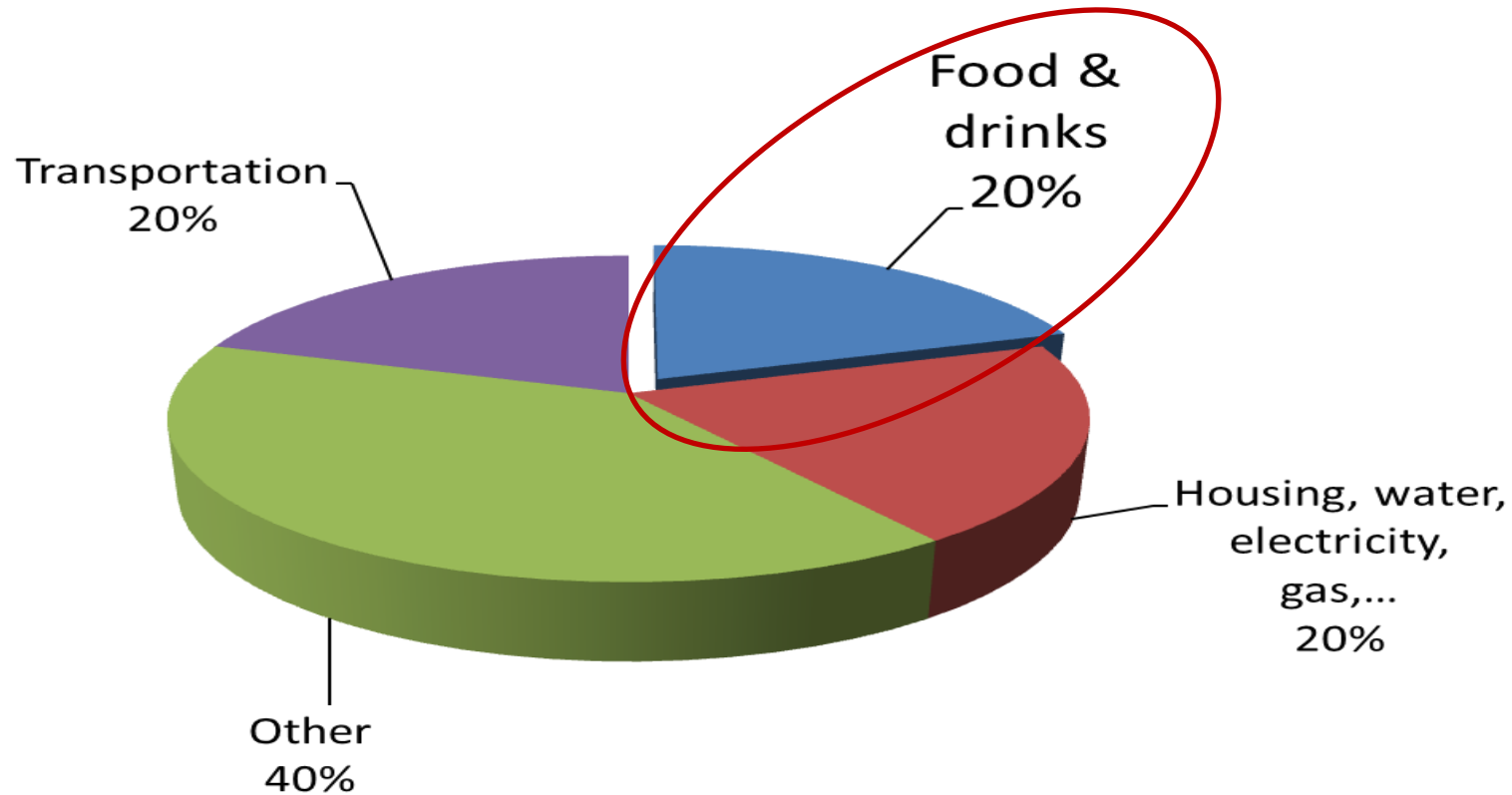
Economic challenges

- Business efficiency
- Jobs
- Land planning (geographical distribution of jobs)

Health challenges

- Lifestyles and eating patterns (deficiency malnutrition, obesity, cancer, allergies...)
- Sanitary quality of food (mycotoxins, pesticides...)
- Immunity of the population

Why ? To give you an idea at EU level....



Carbon Footprint of a European resident

Source: ACR+

Why ? To give you an idea at EU level....

Carbon Footprint (CF) of a EU resident (averages)

Overall CF/cap EU = **8 to 10 Ton CO₂eq/y**

Average: 1 Ton of Food = +/- 2 Ton CO₂eq

Food consumption = 700kg/cap/y = **1,4 Ton CO₂eq./y**

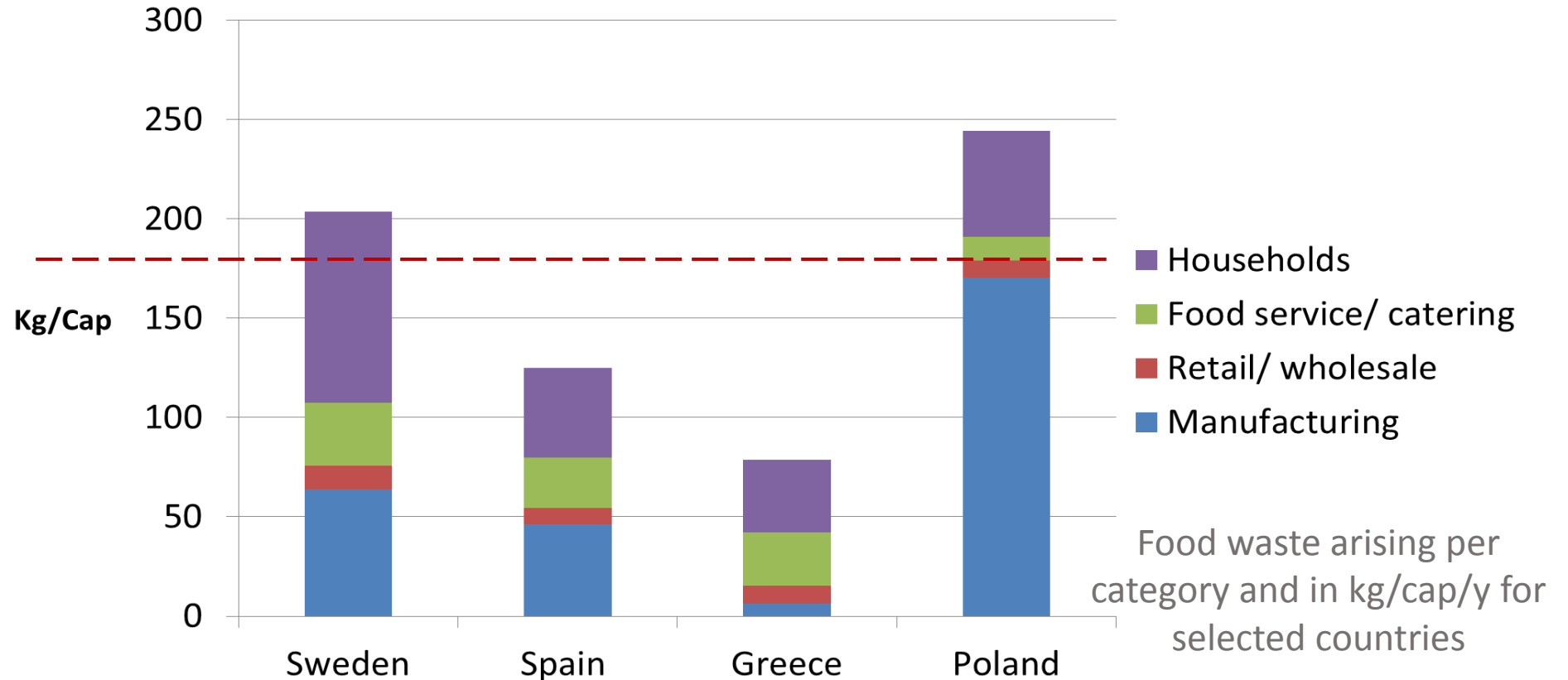
Avoidable food waste = 124kg/cap/y = **0,25 Ton CO₂eq./y**

Avoidable food waste of 500 M Europeans = **125 M Ton CO₂eq./y**

50% reduction of avoidable food waste of 500 M Europeans =
Less 62,5 Million Ton CO₂eq./y = less 1,5% GHG emissions in EU

Why ? To give you an idea at EU level....

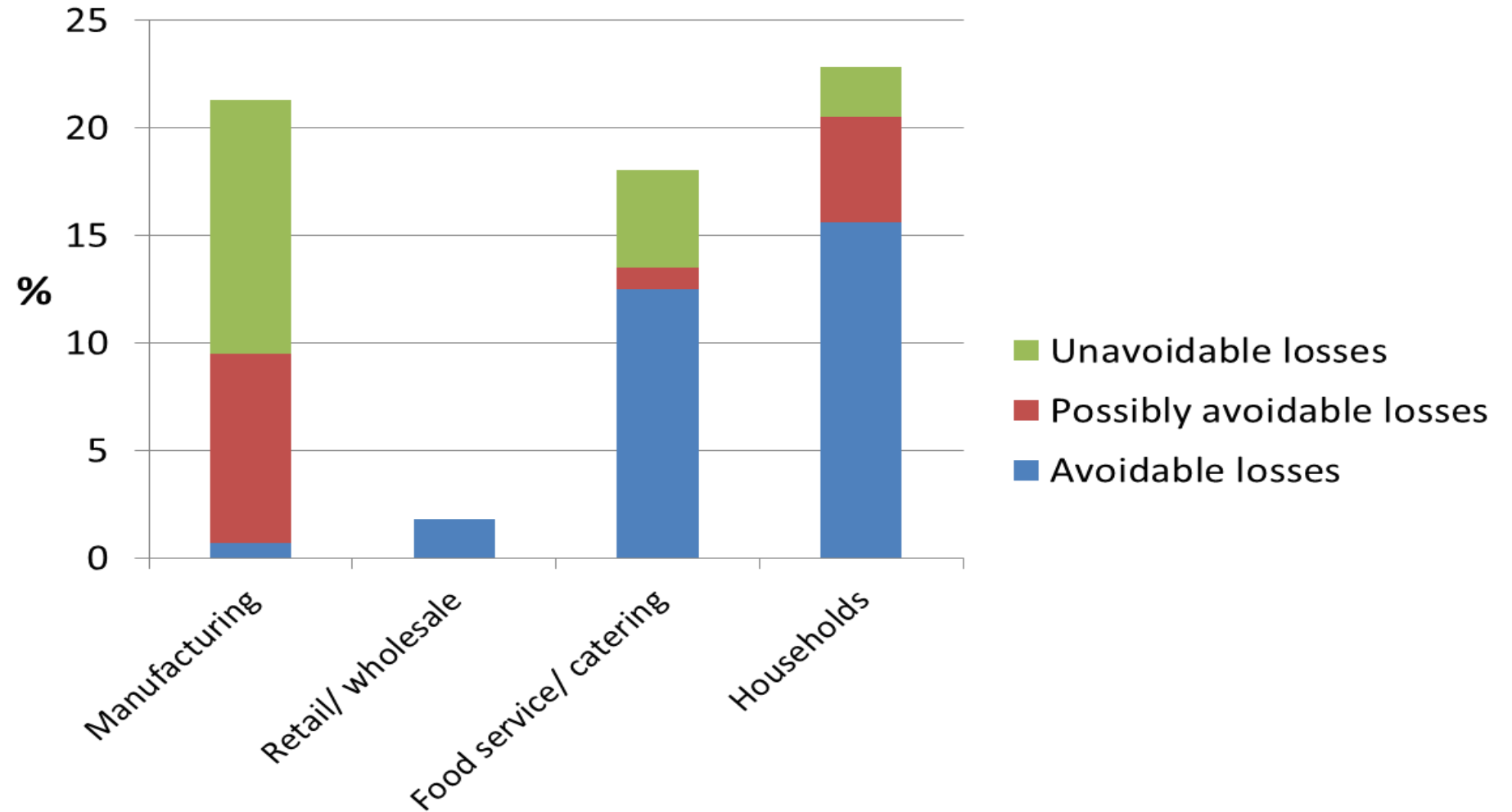
*EU average = 177
kg/cap/y*



Losses in the food chain

Why ? To give you an idea at EU level....

Food losses per category in % as expressed in unavoidable, possibly avoidable and unavoidable losses



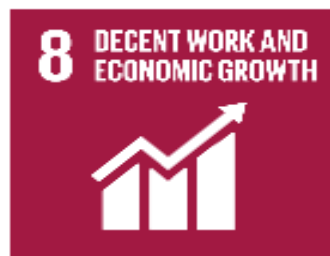
Losses in the food chain

How?



SUSTAINABLE DEVELOPMENT GOALS

17 GOALS TO TRANSFORM OUR WORLD



How? UN SDG : a global political driver



**SUSTAINABLE
DEVELOPMENT** GOALS

**Goal 2: End hunger, achieve food security
and improved nutrition and promote
sustainable agriculture**



How ?



Target 3.4 By 2030, reduce by one third premature mortality from non-communicable diseases through prevention and treatment and promote mental health and well-being

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

Target 2.4 By 2030, ensure sustainable food production systems and implement resilient agricultural practices that increase productivity and production, that help maintain ecosystems, that strengthen capacity for adaptation to climate change, extreme weather, drought, flooding and other disasters and that progressively improve land and soil quality.



How ? EU drivers in support to the SDG

Commission's commitments within the EU Action plan for the Circular Economy:

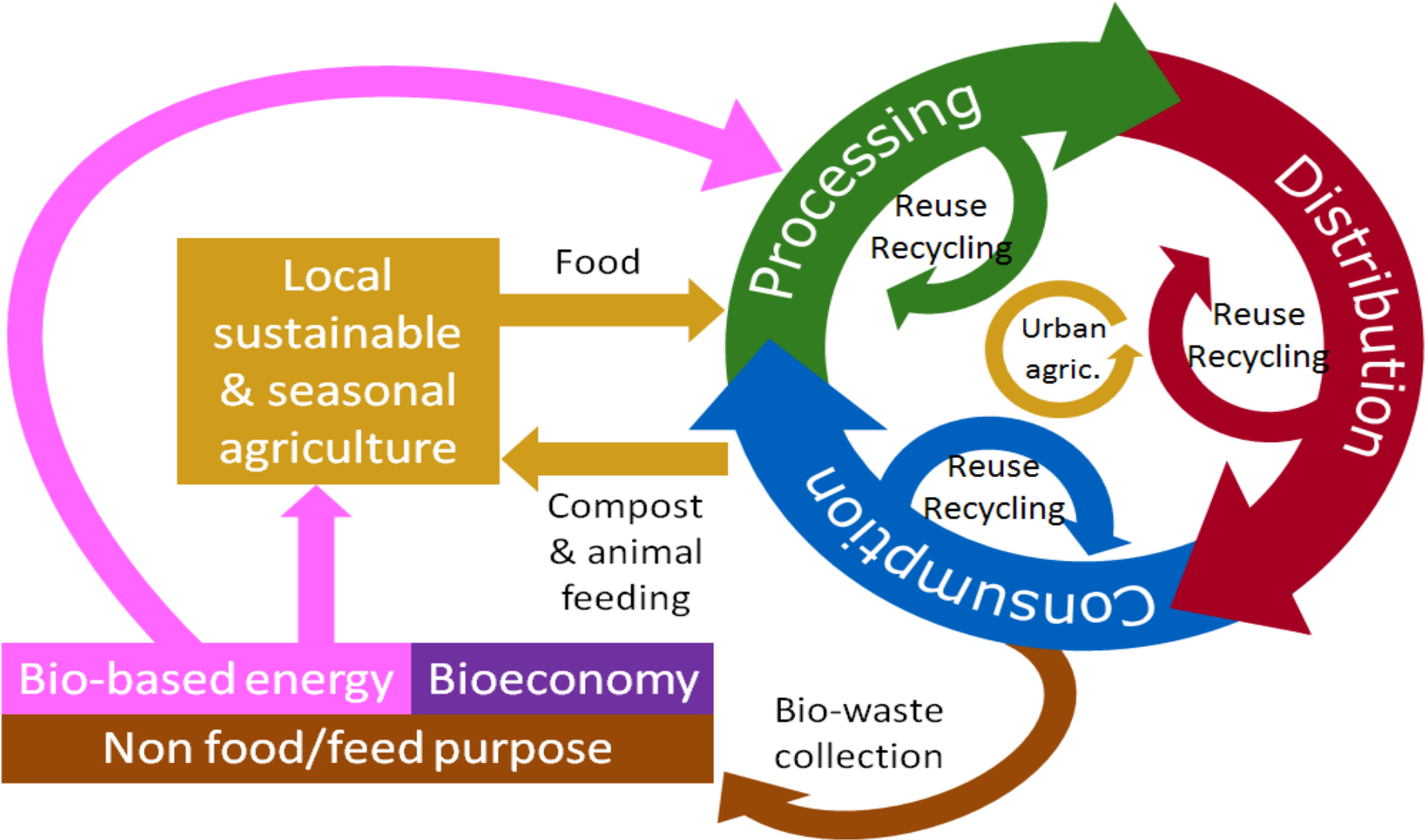
- To develop a **common EU methodology to measure food waste** and define relevant indicators.
- To take measures to **clarify EU legislation relating to waste**, food and feed and facilitate food donation and the use of former foodstuff and byproducts from the food chain in feed
- To produce without compromising food and feed safety; and examine ways **to improve the use of date marking** by actors in the food chain and its understanding by consumers, in particular the "best before" label.

How ? EU drivers in support to the SDG

Proposal for a revision of article 9 of the Waste Framework Directive:

- **MS shall take measures to reduce** the generation of food waste in primary production, in processing and manufacturing, in retail and other distribution of food, in restaurants and food services as well as in households.
- **MS shall monitor and assess** the implementation of their food waste prevention measures by measuring food waste on the basis of methodologies established in accordance with §4.
- The **Commission** shall adopt an implementing act to establish a **common methodology**, including minimum quality requirements

HOW in practice?



Source: ACR+



Sustainable food – some cases



EAT FIVE A DAY WEIRD FRUITS & VEGETABLES

Intermarché
regenerates
fruits and
vegetables
in glorious light
organic
food waste



INGLORIOUS
fruits & vegetables

by Intermarché



ACR+ helps LRAs to build up C.E strategies

Political support

- Janez Potočnik (UNEP)
- Antoinette Ghül (Paris)
- Céline Frémault (Brussels Region)
- Leo Brincat (Malta)
- ...



Advisory Committee

- Unilever
- European Environmental Bureau (EEB)
- University College of London (UCL)
- ...

Cooperation with national networks

- Fundacion para l'economia circular (Spain)
- Foundation for Circular Economy (Hungary)
- Circle Economy (Netherlands)
- ...



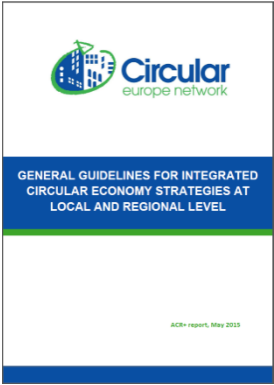
20 years experience

Active members & case studies

- OVAM (Flanders)
- Zero Waste Scotland
- Il-de-France
- ARC (Catalonia)
- LIPOR (Portugal)
- Contarina (Italy)
- ...



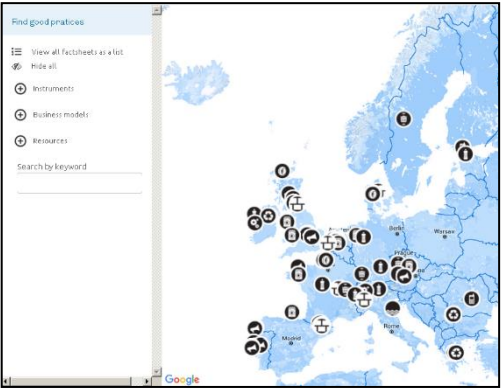
Next focus for Circular Europe Network



Guidelines on sustainable food



Best practices



Indicators for monitoring



European Network of CE platforms



Proposals of European projects



Milan Urban Food Policy Pact (MUFPP)

- C40 initiative supported by Milan city
- Worldwide Political commitment call
- Already 60 signatories



MILAN
URBAN
FOOD
POLICY
PACT

For more information: contact ACR+ Secretariat



Thank you

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