

FUSIONS Highlights 2012-2016

RPM NWE



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Food Waste → Food Use & Resource Efficiency







Project objectives FUSIONS

The overall aim of the project is to contribute significantly to the harmonisation of food waste monitoring, feasibility of social innovative measures for optimised food use in the food chain and the development of a Common Food Waste Policy for EU28.

Project duration: 48 months (2012 – 2016) www.eu-fusions.org





Involving 21 partners in 13 countries



FUSIONS Project Structure

ESTABLISH

WP1

Reliable data & information sources

- Establish, develop test & describe standardised quantification & reporting methodologies for food waste monitoring
- Comprehensive mapping of existing trends
- Criteria for environmental and socio-economic impact
- Quantification manual and assess EU-28

ENABLE

EXCHANGE

WP3

WP2

WP4

Policy recommendations

- Map legislation & policies
- Identity measures & policy evaluation framework
- Design guidelines & recommendations

Multi-stakeholder Platform

- Establish the European Multi-stakeholder Platform
- Organisation of European and regional conferences and interactive meetings
- Organise feedback & consensus building process

Feasibility studies

EXEMPLIFY

- Identify initiatives and best practices
- Invite, co-design initiatives & evaluate
- Execute, monitor and evaluate feasibility studies
- Encourage additional activities

ENGAGE

WP5

Sharing of knowledge

- Share key deliverables through a range of channels
- Organise events, campaigns and cooperate with external parties to create maximum impact
- Raise awareness, extend the ambassador network and provide tools & guides to support action





Food waste 2012 - 2016

Uncertainty on definition and amounts

 \rightarrow

New frameworks and data

What can we do?

 \rightarrow

Increasing action by policy and innovative initiatives

→ Strong on the

Growing

attention

agenda:

CE package





2016 and beyond









































- EC Circular Economy Package (2.12.2015) Target = SDG 12.3 by the UN
- →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
- Harmonised monitoring (bi-annually)





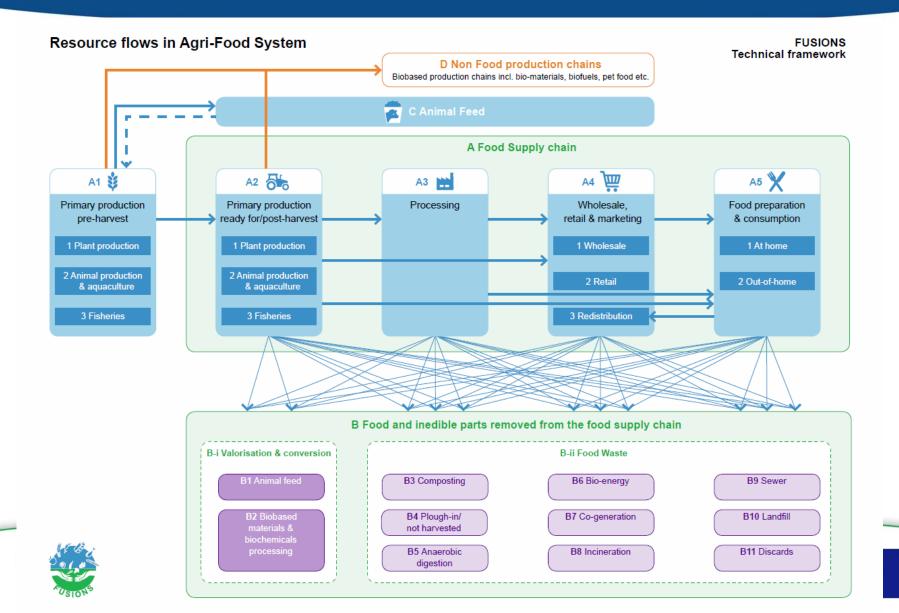
Highlights FUSIONS 2012 - 2016

	Quantification	Policy	Innovation
Inventories	 Review of: EUROSTAT(F)W reportingmethodologies Standard approach quantitative techniques Drivers of FW generation	 Review of: EU legislationMS policies Market based instruments Stimulating SI through policy measures 	 Inventory of SI Projects How SI can help to reduce FW
Frameworks	Definitional FrameworkManual	Policy evaluation Framework	FS selection criteria
Actions	FW dataset EU-28 / gap analysisSoc/Env/Econ ImpactManual pilot	Scenario AnalysisGuidelines FWPolicy	7 Feasibility Studies
Recommen- dations	Harmonised & reliable data EU 28	FW policy for EU 28	Lessons learned & replication





FUSIONS Definitional Framework



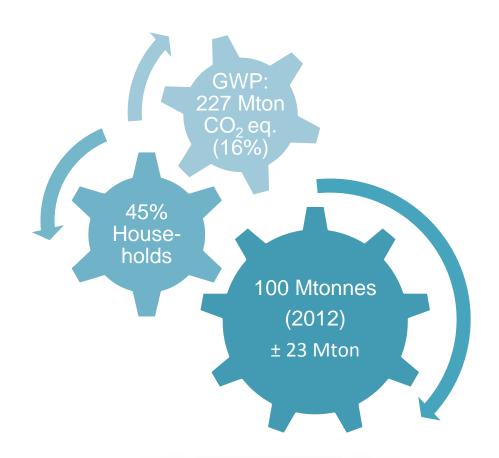
Publicly available data EU28 -> many gaps

Country (N			3. Wholesale and	4. Retail and markets	5. Redistribution	6. Food service	
	IACE 1-3)	(NACE 10-11)	logistics (NACE 46)	(NACE 47)	(food donation etc.)	(NACE 56)	7. Household
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					estimation of food		
		Food waste data of low			waste amounts has		
	o data available	quality	No data available	Data of sufficient quality	been made.	Data of sufficient quality	Data of sufficient quality
	ood waste data of low uality	Food waste data of low quality	Food waste data of low quality	Food waste data of low quality	No data available	Food waste data of low quality	Food waste data of low quality
	o data available	No data available	No data available	No data available	No data available	No data available	No data available
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			Several or major waste flows	Several or major waste flows		Several or major waste flows	or major waste flows not being
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Lov	ow food waste amounts		Food waste data of low	Food waste data of low		explanation on what was	Several or major waste flows not
Czech republic wit	ithout any explanation given	Low food waste amounts	quality	quality	No data available	included.	being covered.
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		Data of insufficient quality as		High food waste amounts. No			
		only edible food waste was		explanation on what was			
	o data available	reported.	No data available	included.	No data available	Data of sufficient quality	Data of sufficient quality
	ow food waste amounts.		High food waste amounts. No explanation on what was	High food waste amounts. No explanation on what was			No information on what was
	everal or major waste flows of being covered.	Data of sufficient quality	explanation on what was included.	included.	No data available	Data of sufficient quality	included was retrieved.
		Data of sufficient quality	Data of sufficient quality	Data of sufficient quality	No data available	Data of sufficient quality	Data of sufficient quality
						Low food waste amounts. No	
	ow food waste amounts					information on what was	No information on what was
	ithout any explanation given		Data of sufficient quality	Data of sufficient quality	No data available	included was retrieved.	included was retrieved.
Hungary No	o data available	No data available	No data available	No data available	No data available Data has been	No data available	No data available
					submitted but no		
			High food waste amounts. No	High food waste amounts. No	estimation of food		
			information on what was	explanation on what was	waste amounts has		
Ireland No	o data available	No data available Data of insufficient quality as	included was retrieved.	included.	been made.	Data of sufficient quality	Data of sufficient quality
		only edible food waste was					
Italy Da	ata of sufficient quality	reported.	Data of sufficient quality	Data of sufficient quality	No data available	No data available	No explanation given?
Latvia No	o data available	No data available	No data available	No data available	No data available	No data available	No data available
							No information on what was
Lithuania Lov	ow food waste amounts	Data of sufficient quality	Data of insufficient quality.	Data of insufficient quality.	No data available	Data of insufficient quality.	included was retrieved. Data of sufficient quality
		Low food waste amounts				Low food waste amounts	(excluding sewer and home
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	data augustable	Data of insufficient and the	No data available	No data available	No deserve il ele	No data available	(excluding sewer and home
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					submitted but no		
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Poland No	o data available	No data available Low food waste amounts.	No data available	No data available	No data available	No data available	No data available
Lov	ow food waste amounts	Several or major waste flows					
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	ow food waste amounts.	County or major wasts flavor					
	everal or major waste flows of being covered.	Several or major waste flows not being covered.	No data available	No data available	No data available	No data available	No data available
	ow food waste amounts.	No explanation of what was	Late o romodic	ou oronobic	SOLO STATIONIC	Low food waste amounts.	
	everal or major waste flows	included in the amounts				Several or major waste flows	Park waste and non household
	ot being covered.	could be given.	Data of sufficient quality	Data of sufficient quality	No data available	not being covered.	MSW are included in the amounts
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		Byproducts are included in					
Sev		Byproducts are included in the amounts.	No data available	Data of sufficient quality	No data available	Data of sufficient quality	Data of sufficient quality





What did we get... (first new estimate)







FUSIONS multi-stakeholder platform



Innovation

Cr-EAT-ive ANATUKI

- Communique
- Communiqué
 Resultator genoren kommunikation

- Gleaning

Gleaning Network EU

- Hungarian Foodbank
 Association
- Disco Boco











Join the FUSIONS final meetings

Discussion, workshops & consultation on Quantification, Policy & Social Innovation

FUSIONS' upcoming meetings:

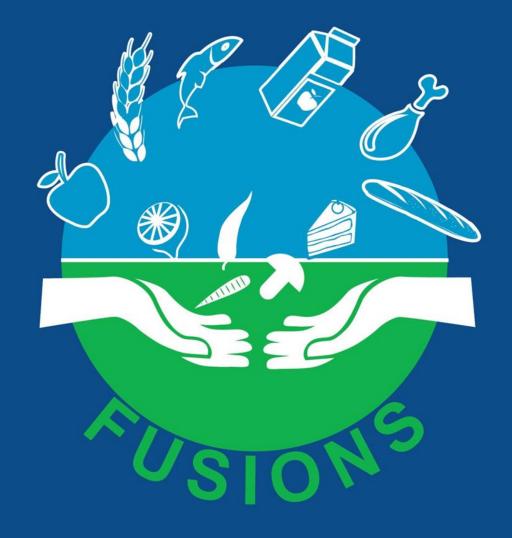
Regional:

- 25 February Vienna (AUT) incl. FSE event European:
- 31 March Brussels (B)

See www.eu-fusions.org or contact fusions@wur.nl









2015 and Beyond

- Necessity stays: ethically, economically & ecologically for food security and resource efficiency
- Improved food use stimulates innovation and creativity in the FSC
- Awareness of opportunities within the FSC
- Inform and facilitate consumer awareness & action
- Increase knowledge: data, harmonisation, innovation





Global increasing interest to tackle FW















- UN SDG 2015 2030
- **UNEP Think.Eat.Save**













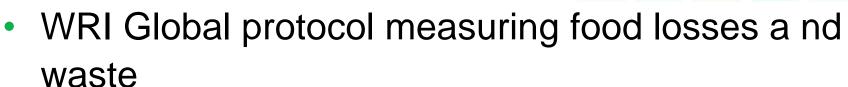












- G20 initiative Technical platform measurement & reduction of food losses & waste
- Champions 12.3 alliance of captains of industry, NGOs and MS (launch at the WEF in DAVOS, January 2016)





European responses

- EC Circular Economy Package (2.12.2015)
 Target = SDG 12.3 by the UN
- →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
- Harmonised monitoring (bi-annually)







EC actions

- Develop a common EU methodology to measure food waste and define relevant indicators.
- Create a platform involving Member States and stakeholders in order to support the
 achievement of the SDG targets on food waste, through the sharing of best practice and the
 evaluation of progress made over time.
- Take measures to clarify EU legislation relating to waste, food and feed and facilitate food donation and the use of former foodstuff and by-products from the food chain in feed production without compromising food and feed safety;
- 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



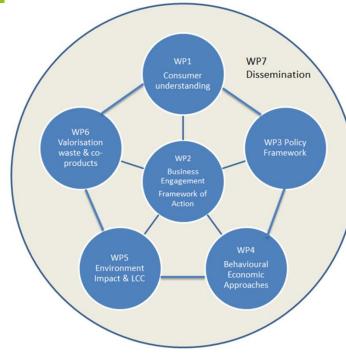






Resource Efficient Food and dRink for the Entire Supply cHain (2015 – 2019)

- 26 partners
- Multi stakeholder platforms





Central Ambition

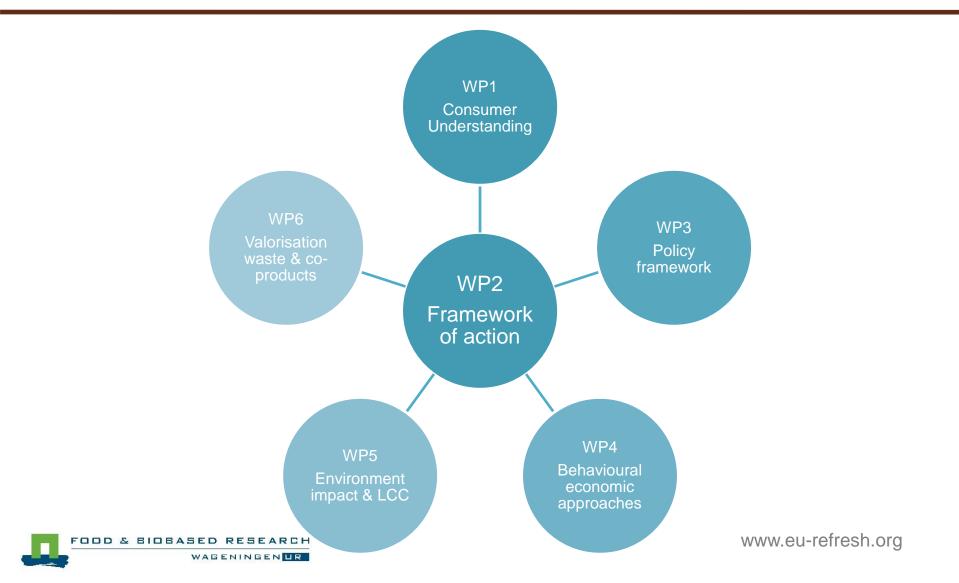
Framework of Action



- Voluntary strategic agreements
- Across all stages of the supply chain
- Backed by National Governments,
- Delivered through collaborative working
- Supported by evidence-based tools

Success will support transformation towards a more sustainable and secure EU food system, benefitting Europe's economy, environment and society.

Project structure



Consortium























University of Natural Resources and Life Sciences, Vienna































More information

www.eu-refresh.org

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