



REFRESH; Food Waste prevention through business & consumer engagement and improved valorisation of unavoidable waste

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#refreshFW2017



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Food Waste in EU-28

EU-28
PRODUCES 
 **88** MILLION
TONNES
of food waste per year
amounting to an estimated
143 BILLION
EUROS 

70% of **EU FOOD WASTE**
arises at **household, foodservice, & retail** sectors
 The **HOUSEHOLDS** SECTOR
contributes the most,
with **47 MILLION TONNES**    

EU and global targets & initiatives



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
- EC Circular Economy Package Target = SDG 12.3
- EP Resolution on Food Waste Adopted in Plenary, 16 May 2017





REFRESH: Resource Efficient Food and dRink for the Entire Supply cHain

REFRESH's main objective is to contribute towards Sustainable Development Goal 12.3 of halving per capita food waste at the retail and consumer level and reducing food losses along production and supply chains.

To achieve this, the project's main goals are to:

- Develop strategic agreements to reduce food waste with governments, business and local stakeholders in four pilot countries (Spain, Germany, Hungary, and the Netherlands).
- Formulate EU policy recommendations and support national implementation of food waste policy frameworks
- Design and develop technological innovations to improve valorization of food waste and ICT-based platforms and tools to support new and existing solutions to reduce food waste
 - 🍌 26 Partners from 12 European countries and China
 - 🍌 Duration: July 2015 – June 2019
 - 🍌 Funding: ~ EUR 9 million

Project Consortium

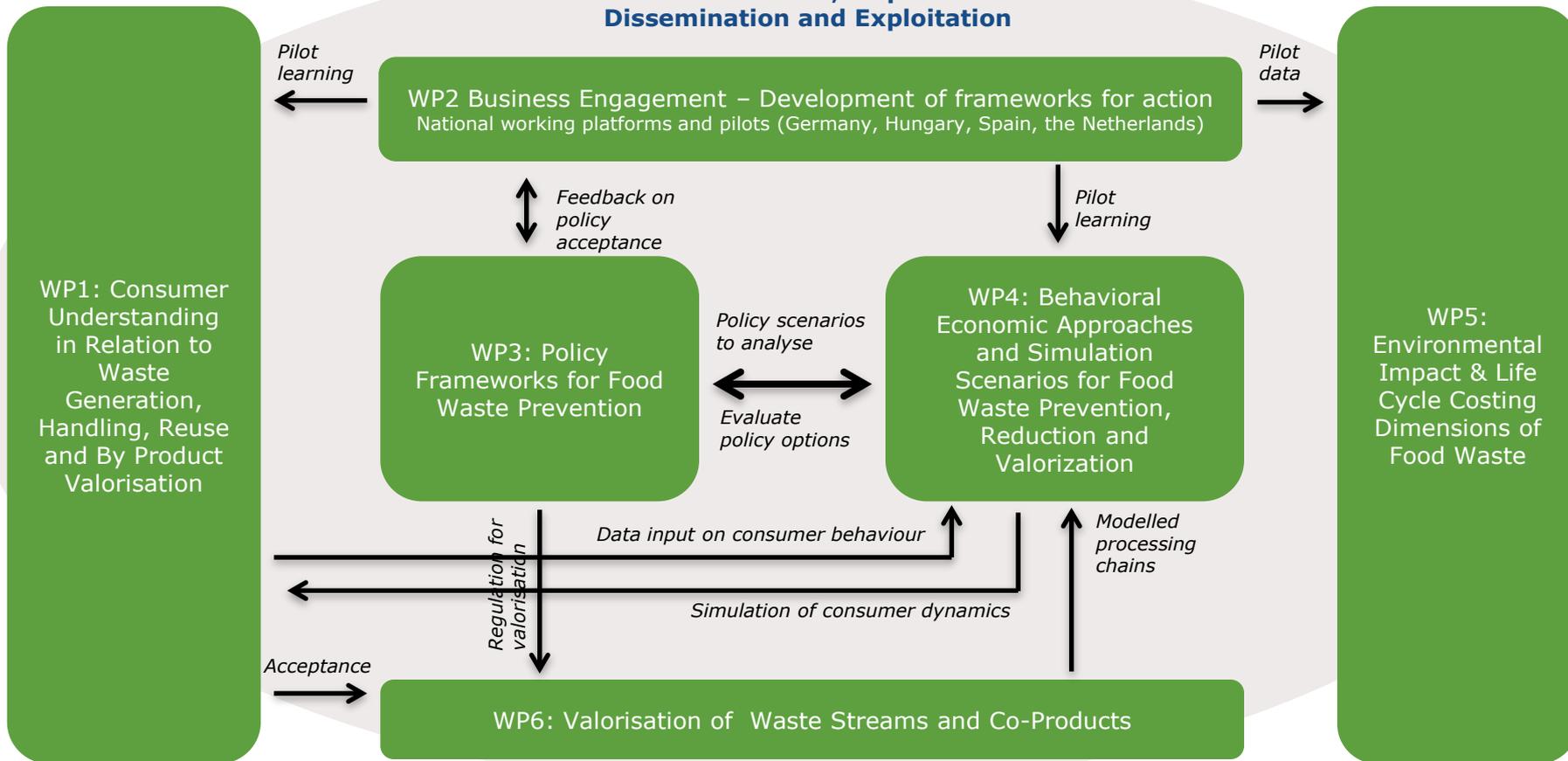


University of Natural Resources and Life Sciences, Vienna



WP Structure

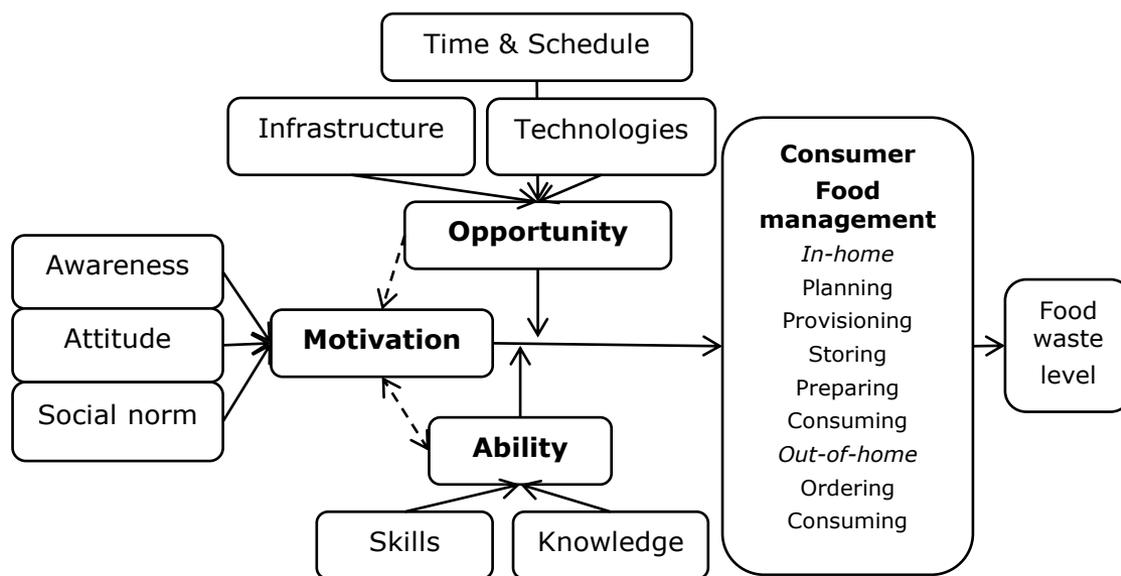
WP7: Communication, Impact Oriented Dissemination and Exploitation



Consumer engagement

Framework of consumer food waste management + consumption life cycle

Consumers Food Waste Model



Focus groups NL, HU, GE & ES:

- Awareness
- Education
- Competition/priority
- Pos. on intervention



Business engagement

- Voluntary agreements / Framework for action
- Mechanism for collaborative approaches
-> Target, Measure, Act
- Piloting working platforms in NL, GE, ES, HU → signatories, FA agreement, baseline, pilots & evaluation of impact





Valorisation

- 🥦 Identify & select Top food waste stream appropriate to valorise (composition / volume / availability)
spent brewers' grains, press cakes, meat & dairy side-streams, apple pomace, etc.
- 🥦 Development of compositional database, coupling various data sources



Valorisation

- 🥦 Technology & decision support for
 - 🥔 Animal feed
 - 🥔 Vegetable fibers for new food ingredients
 - 🥔 Conversion of putrescible waste into Fuel & chemicals



Dissemination, Outreach & Impact





Contact

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