



Resource Efficient Food and dRink for Entire Supply cHain

FUSIONS European Platform Meeting

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REFRESH

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Research and Innovation Action

H2020-WASTE-2-2014

Granted under No.: 641933

Duration: 1 July 2015 – 30 June 2019

Funding: 9 MEuros

REFRESH Aim

The overall aim of the REFRESH project is to contribute towards the **SDG 12.3** of halving per capita food waste at the retail and consumer level and reducing food losses along production and supply chains, reducing **waste management costs** and maximizing the **value** from unavoidable food waste and packaging materials.



Project Consortium



Central Ambition

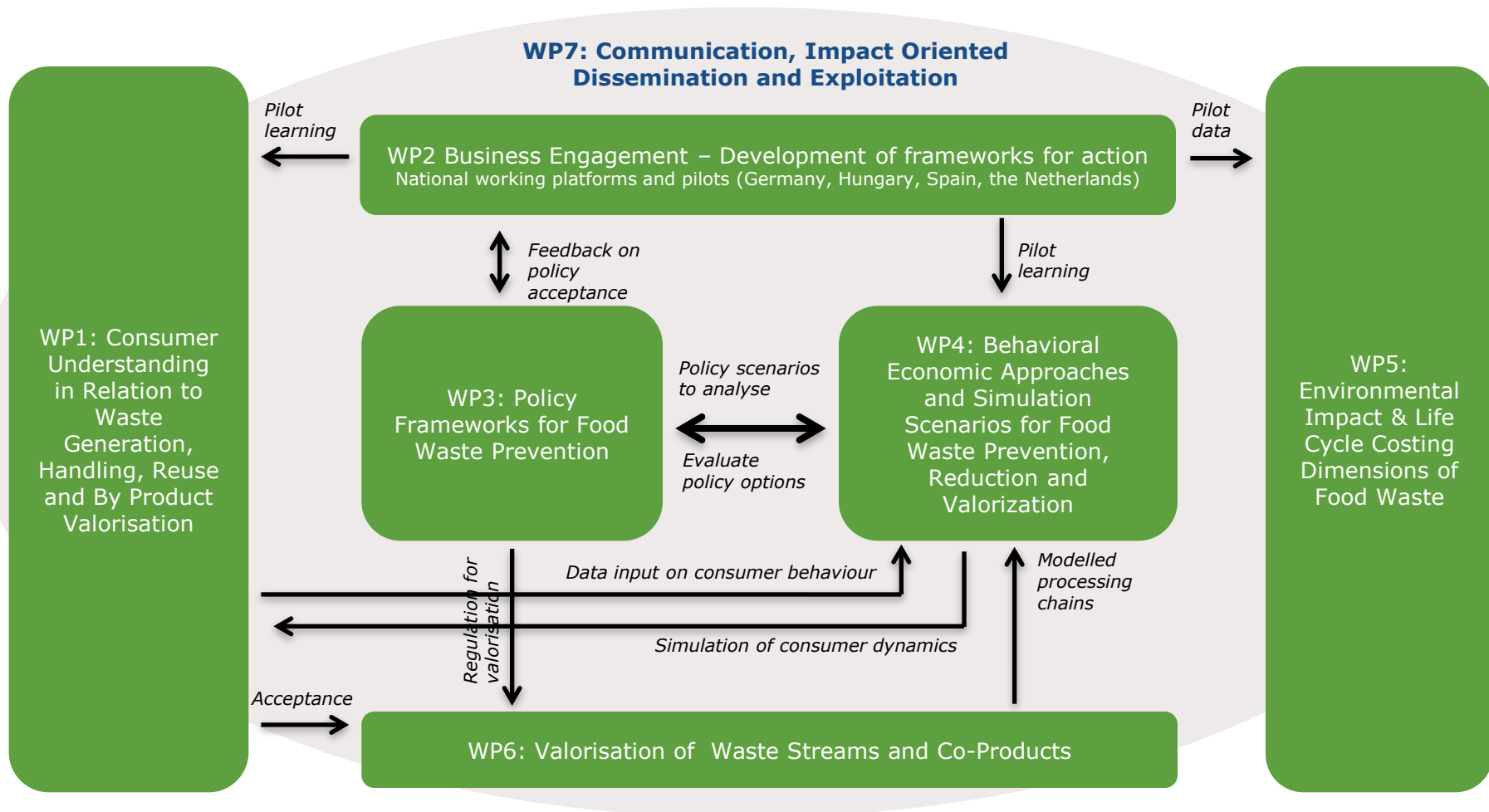
Framework of Action



- 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



WP1: Consumer understanding

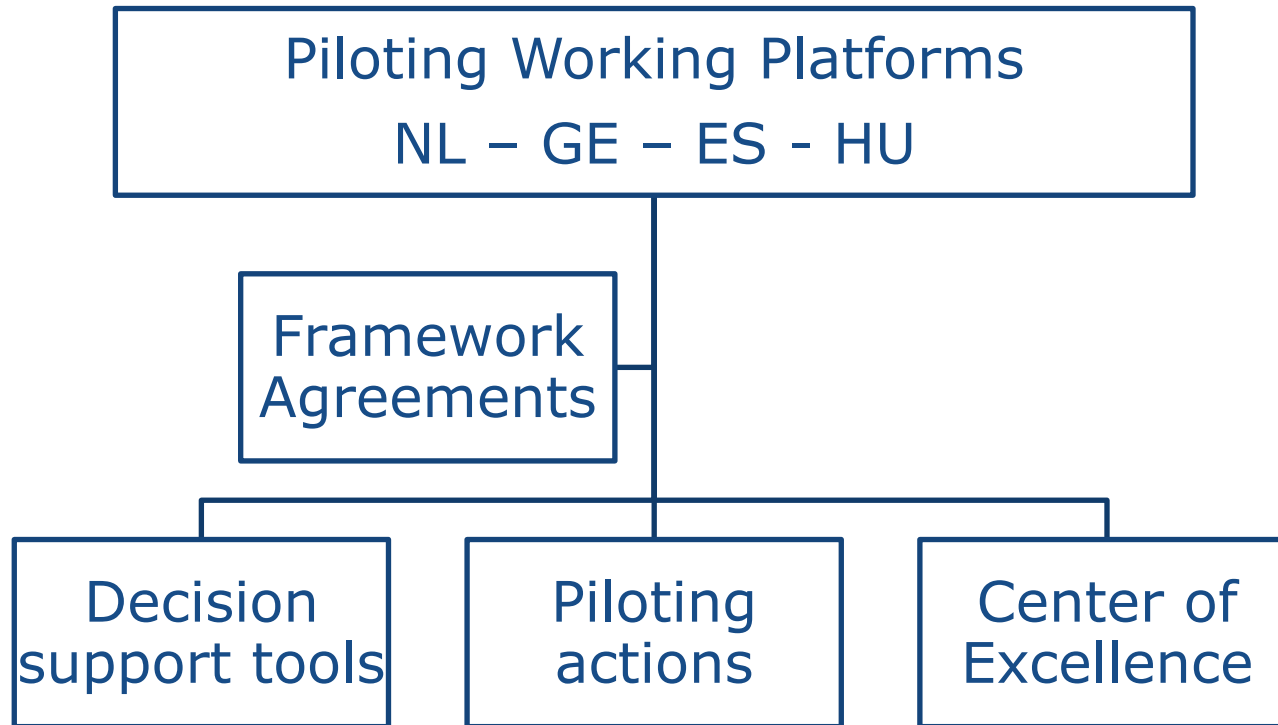
Consolidate existing and new consumer understanding insights into a **research framework** and methodology that allows **comparison across countries**

Develop practical and easy to implement approaches for food **waste assessment** at different stages of the consumption life cycle

Develop consumer understanding and acceptance of **on-pack information** and **ICT-based tools** to help in food waste prevention at the consumer levels

Develop consumer understanding in terms of **acceptance of by-product valorisation** for direct (functional ingredients) or indirect (feed) human consumption

WP2: Business engagement



WP3: Policy framework

Facilitate the creation of an enabling policy environment for the reduction, reuse and valorisation of food and packaging waste, within the context of a sustainable food system.

Objectives:

- Develop recommendations for achieving improved policy design and implementation in EU MS
- Develop an evidence-based analysis from outcomes of WP 1, 2, 4, 5, 6 to assist policy makers in further shaping food waste policy

WP4: Behavioural economic approaches

Identifying profiles of consumer and business BEHAVIOURS



Bayesian Networks / Agent Based Models

Simulation model of socio-economic conditions and environmental impacts

Evaluating behaviours and effects



Testing implications of "behaviours" to prevent FW

Enhancing performance of food systems

Facilitating design of policies and close-to-market interventions across EU28

WP5: Environmental impact & LCC

- Measures and methodologies for **evaluating environmental sustainability and life cycle costs** dimension putting the waste streams in focus
- Supply consistent LCA and LCC **data** for selected cases valorization routes to be used for the **identification** of the most sustainable and economic viable **solution**.
- Contribute to the development of the REFRESH decision support system (Wp2,WP7)
- Support the development of a harmonized approach to EU food waste legislation by addressing **environmental impacts and LCC of possible policy and consumption changes**

WP6: Valorisation of waste & by-products

- Selection of the top waste streams
- Development of compositional databases
- Identify key valorisation capacities, approaches and technologies

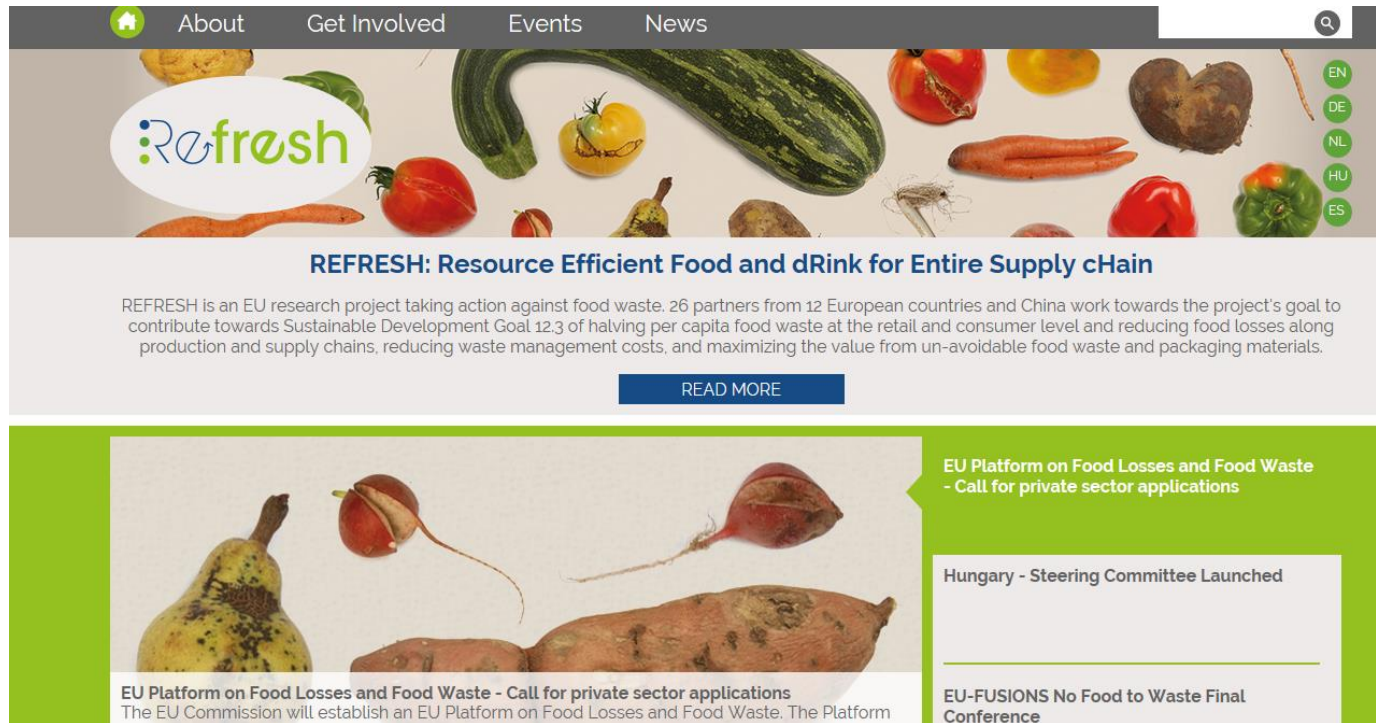


To undertake a research programme (with SME partners) to explore the opportunities to valorise food waste.

WP7 Dissemination

- Use dissemination approach that ensures that findings will be taken up by different stakeholder groups → **tailored communication strategy (impact focus)**
- **Communicate and interact** with different stakeholder groups: show what different actors can do
 - **Raise awareness** about the impacts of food waste
 - **diffusion of innovation**
 - **remove barriers for action**
 - **Facilitate knowledge exchange** between different actors in different regions (EU and beyond)
- Showcase the projects impact → **Evaluation of activities**, adaptation of dissemination strategy if needed

WP7: Website www.eu-refresh.org



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REFRESH: Resource Efficient Food and dRink for Entire Supply cHain

REFRESH is an EU research project taking action against food waste. 26 partners from 12 European countries and China work towards the project's goal 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, reducing waste management costs, and maximizing the value from un-avoidable food waste and packaging materials.

[READ MORE](#)

EU Platform on Food Losses and Food Waste - Call for private sector applications

Hungary - Steering Committee Launched

EU-FUSIONS No Food to Waste Final Conference

EU Platform on Food Losses and Food Waste - Call for private sector applications
The EU Commission will establish an EU Platform on Food Losses and Food Waste. The Platform

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