



FOLOU - BRINGING KNOWLEDGE AND CONSENSUS TO PREVENT AND REDUCE FOOD LOSS AT THE PRIMARY PRODUCTION STAGE. UNDERSTANDING, MEASURING, TRAINING AND ADOPTING



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EU Platform on FLW, 11/05/2023

What we will see today

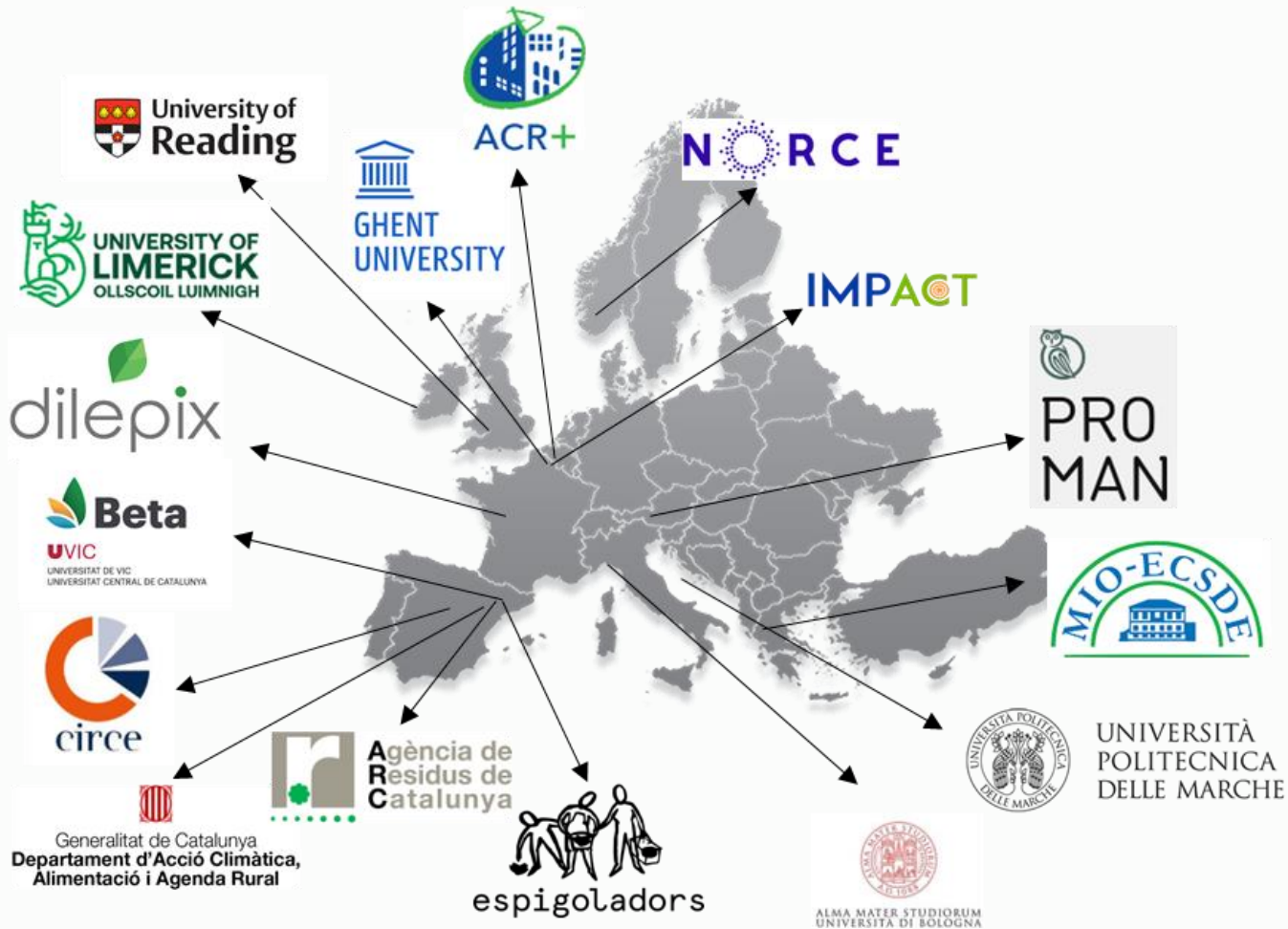


- ✓ Who we are
- ✓ State of the art and key challenges
- ✓ FOLOU objectives
- ✓ FOLOU Concept & Methodology
- ✓ FOLOU Outputs
- ✓ Request for information



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Who we are?



Capacity of participants and consortium as a whole

The FOLOU consortium is composed of **15 beneficiaries from 8 countries**: Spain (5), Belgium (3), Italy (2), Austria (1), Norway (1), France (1), , Ireland (1) and Greece (1), and **1 associated partner from United Kingdom (UREAD)**.

Moreover, all partners have a clear and valid role as WP lead (UNIVPM, UNIBO, UGENT, ESPIGOL, UVIC-UCC, UREAD, PROMAN, IMPACT), task lead (DACC, ARC, DILEPIX, CIRCE, NORCE, UMIL) or in support of exploitation, communication and dissemination of project outcomes (ACR+, MIO-ECSDE).

FOLOU consortium brings together partners with the required complementary expertise and the operational capacity to successfully accomplish their tasks.



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State of the art and key challenges



Food losses have negative impacts on society, including contributing to **food insecurity**, depleting the environment, generating **GHG emissions**, creating **pressure on land and water**, and causing **economic losses**.

Key Challenges

- Exclusion of Food losses in the EU Commission Decision (EU) 2019/1597
- **Complex measurement and estimation** of Food losses in the primary production stage
- **Lack of a common methodology** to measure and estimate food losses at the primary production stage
- **Lack of understanding** of the drivers of food losses
- **Lack of skills** to efficiently implement and adopt solutions
- Transforming food systems (farming, fisheries and aquaculture) for health, sustainability and inclusion



FOLOU Objectives



The main objective of **FOLOU** is to set up all the necessary mechanisms to: (i) **measure and estimate** (robust and harmonized methodology), (ii) **monitor and report** (national and EU food loss registries), and (iii) **assess the magnitude and impact** of food losses. Additionally, FOLOU will also work to assure the appropriate **adoption of the project outcomes** by the key targeted stakeholders: primary producers, retailers, consumers, policy makers and researchers.

FOLOU Specific Objectives

- ✓ **Objective 1.** To provide a robust, harmonized and standardised measurement and estimation methodology for quantifying food losses.
- ✓ **Objective 2.** To develop and validate innovative tools to measure and estimate food losses at the primary production stage.
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- ✓ **Objective 5.** Better understanding of direct and indirect drivers of food losses enabling the development of effective strategies for prevention and reduction.
- ✓ **Objective 6.** To facilitate knowledge transfer and increase capacity building to (i) primary producers, (ii) policy makers and (iii) researchers.
- ✓ **Objective 7.** Well-informed and more effective policy strategies for preventing and reducing food losses and waste across the food system on land and at sea.
- ✓ **Objective 8.** To establish and implement an efficient exploitation, communication and dissemination strategy to reach relevant stakeholders.



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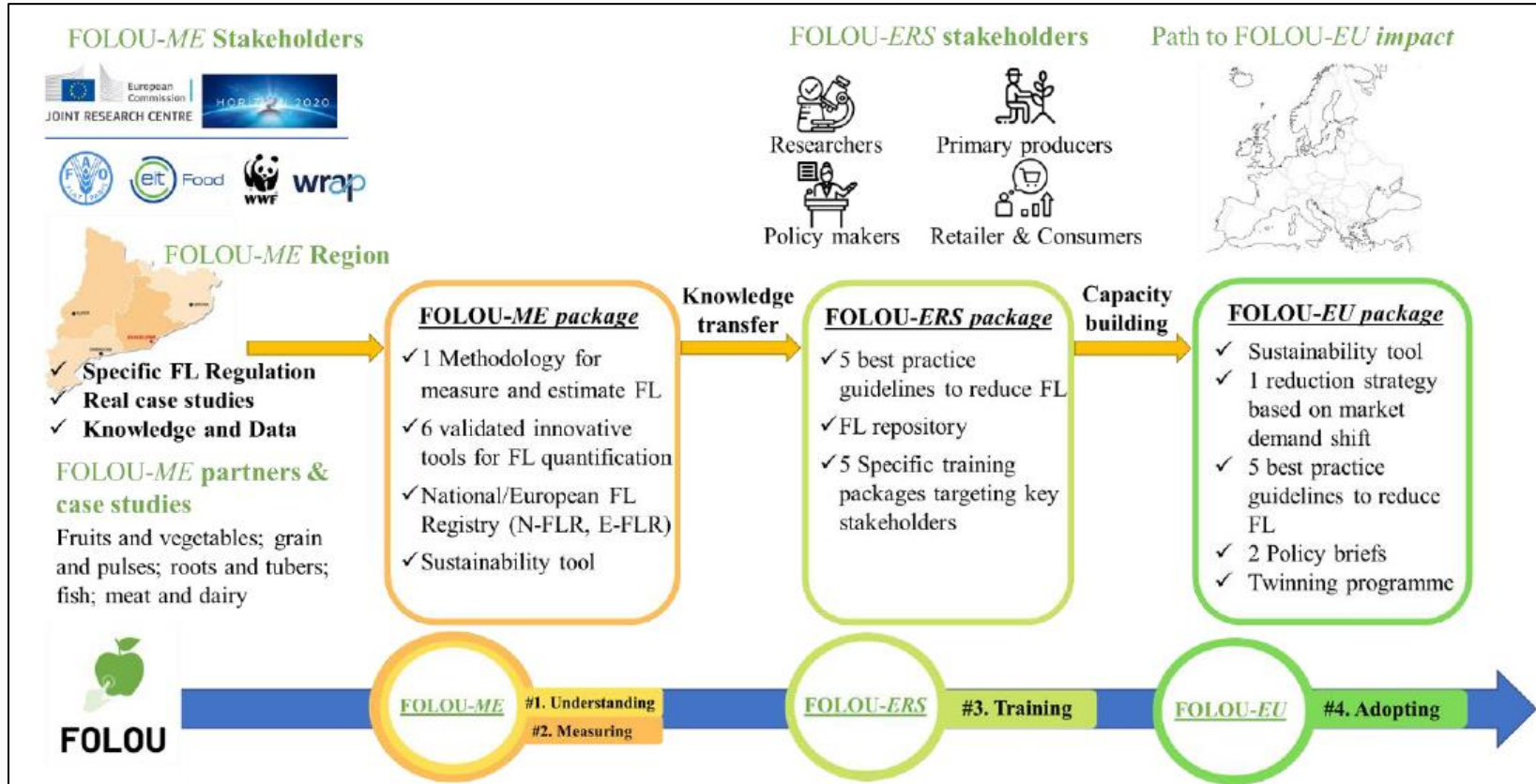


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FOLOU Concept & Methodology



FOLOU concept revolves into the idea of three interlinked FOLOU actionable steps, the so-called (i) **FOLOU-ME**, (ii) **FOLOU-ERS** and (iii) **FOLOU-EU**

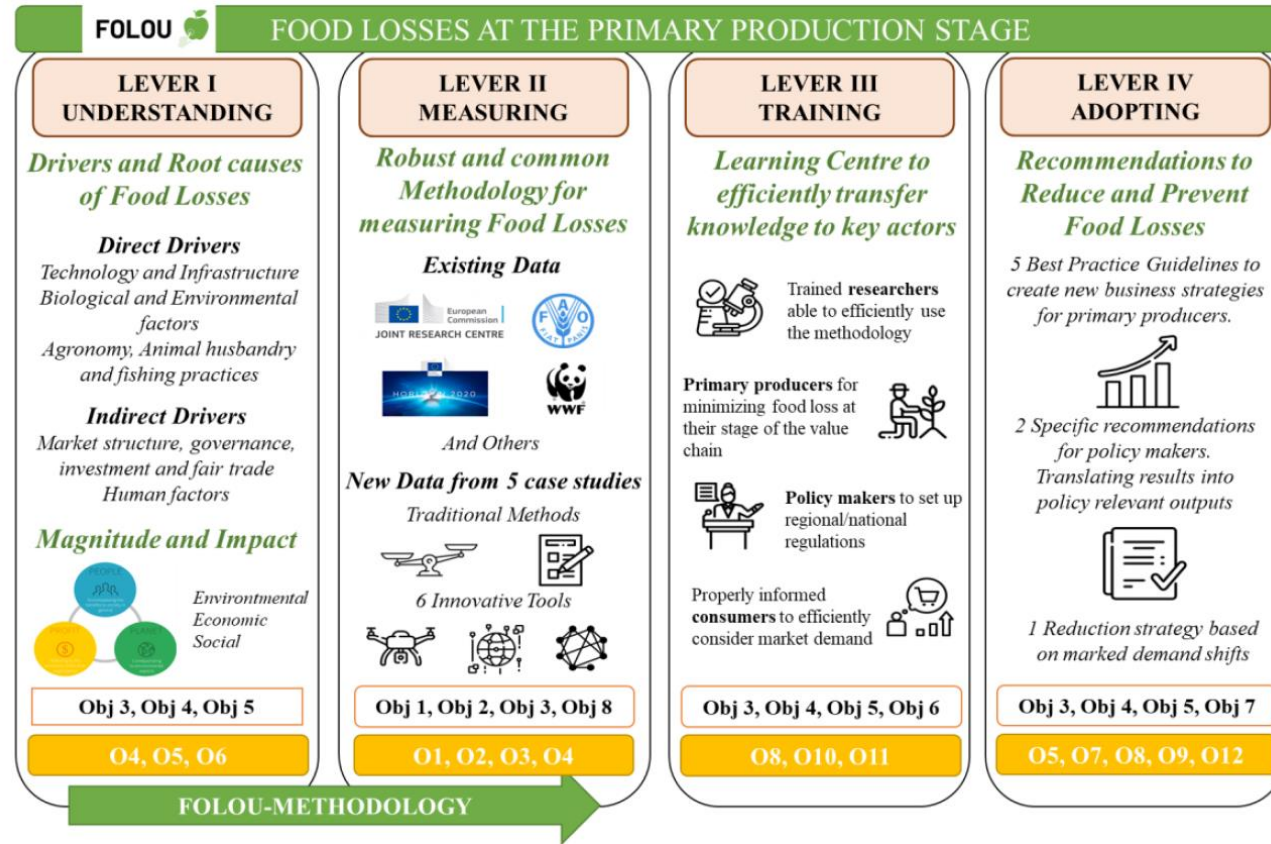


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FOLOU Concept & Methodology



FOLOU main goal will be achieved by mainstreaming the adoption of innovative methods and solutions through a methodological approach based on 4 levers of change: **understanding, measuring, training, adopting**

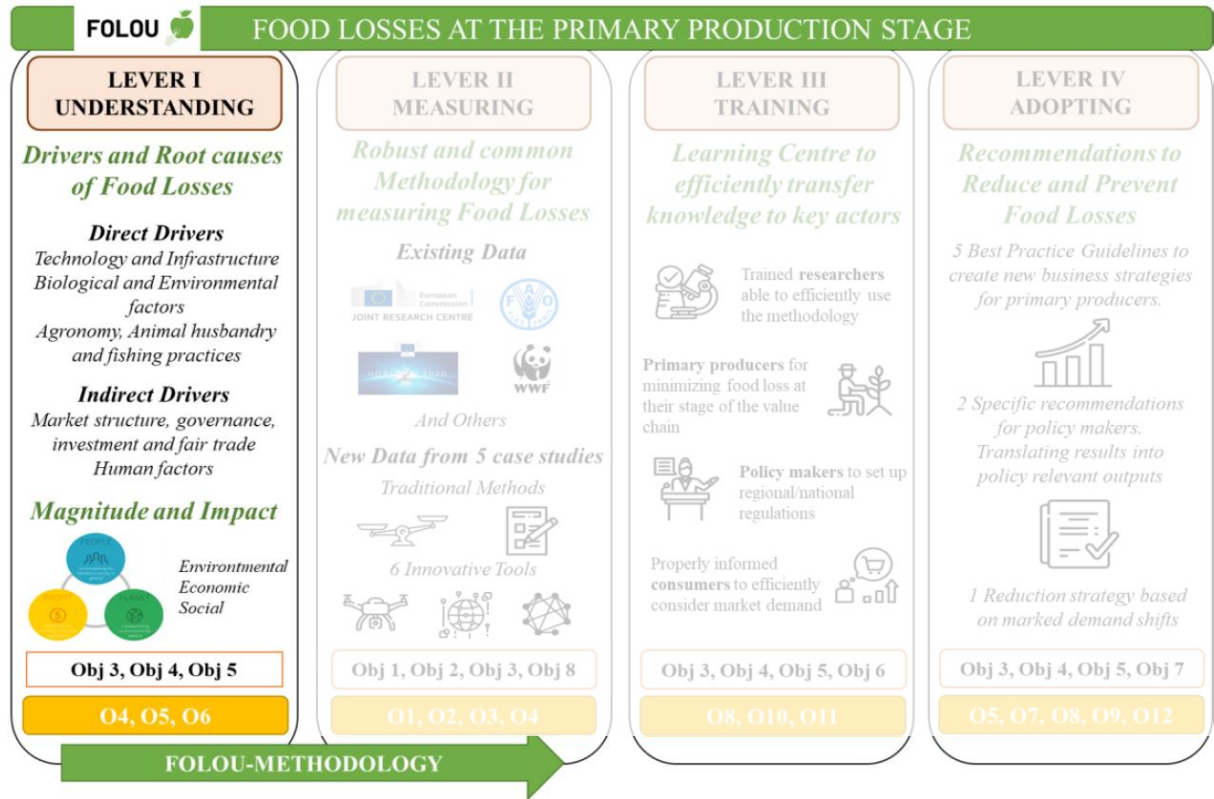


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Lever I – Understanding “Any fool can know. The point is to understand – A. Einstein”

- The FOLOU project aims to understand the bottlenecks and obstacles hampering the transition to a more sustainable, resilient, healthy, and inclusive food system.
- FOLOU aims investigate the **direct and indirect drivers** of food losses in different commodity groups and understand the consequences of such losses.
- The FOLOU **sustainability tool** will be developed to **measure the potential impacts** related to food losses at regional and EU level and identify value chain hot spots to optimize resource allocation. FOLOU aims to include its sustainability tool other EU platforms/resources

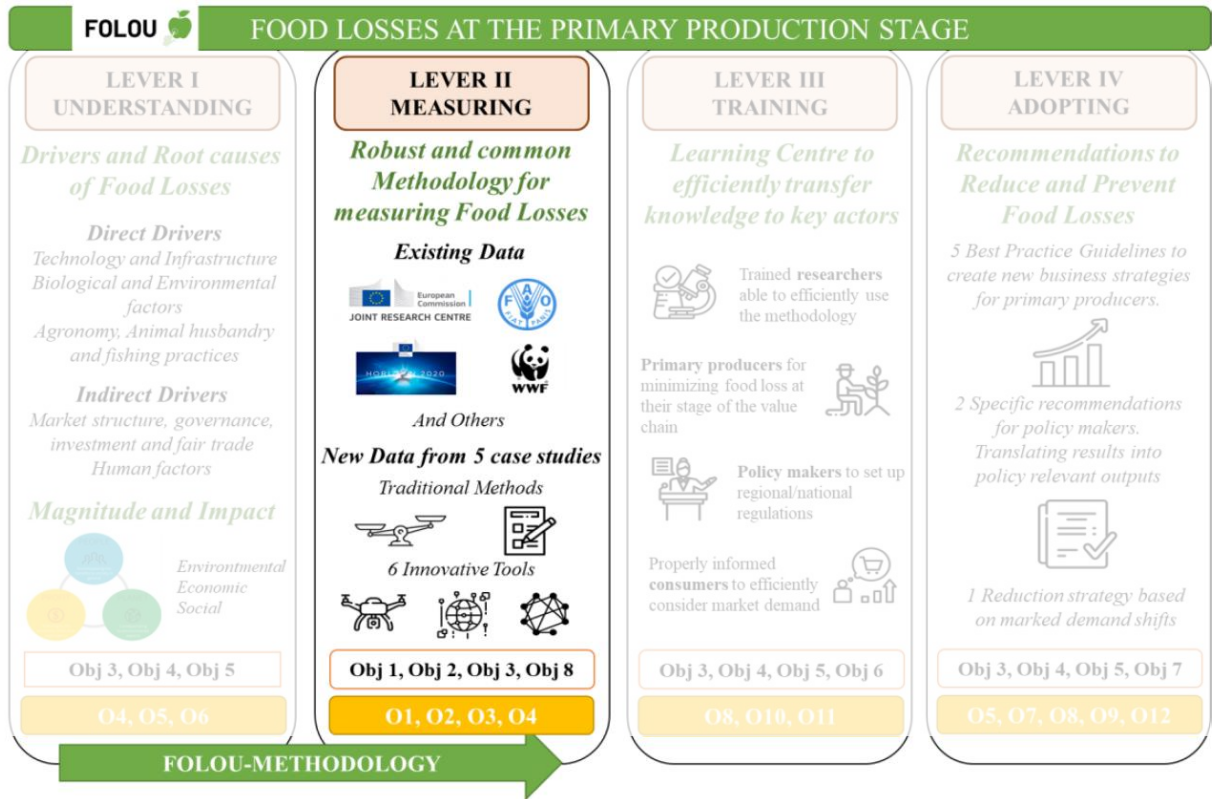


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Lever II – Measuring “One accurate measurement is worth a thousand expert opinions – G. Hopper”

- FOLOU aims to develop **a harmonized measurement and estimation methodology** for food losses at the primary sector.
- FOLOU will develop, test, and validate **six innovative tools to measure and estimate food loss.**
- FOLOU will **estimate and quantify food losses at the regional and EU level** for various commodities and at an aggregated level, relying on existing data as well as from data generated during the project.
- The results from FOLOU will be compared and combined with existing data to determine how current data deviates from project data, with the aim of improving statistical accuracy.

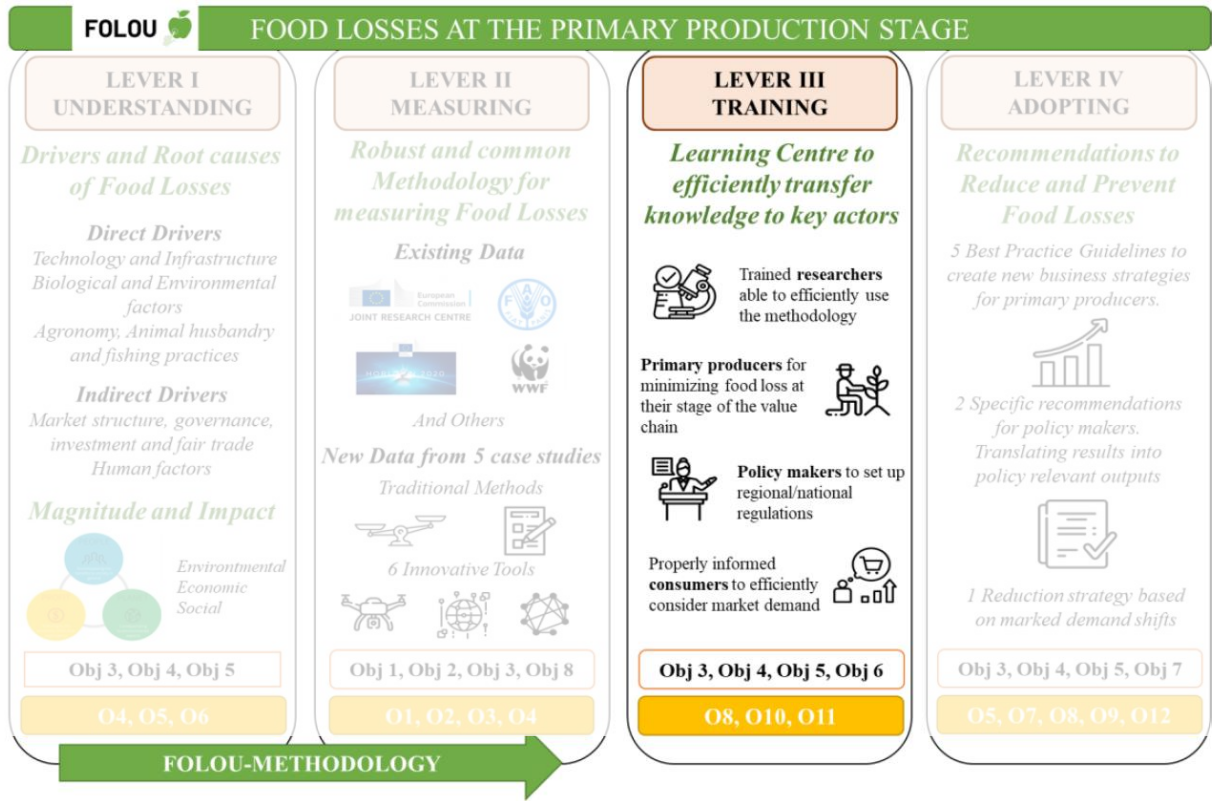


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Lever III – Training “Tell me and I forget, teach me and I may remember, involve me and I learn.” – B. Franklin”

- FOLOU aims to train researchers, policy makers/public administrations, farmers and primary producers to improve their skills.
- The project will establish a Learning Centre to assess competencies and training needs, stimulate professional development, and offer specialized training on FOLOU concepts for each stakeholder group.
- The Learning Centre will use the EIT Food Competency Framework as the foundation for the capacity building component of the project.

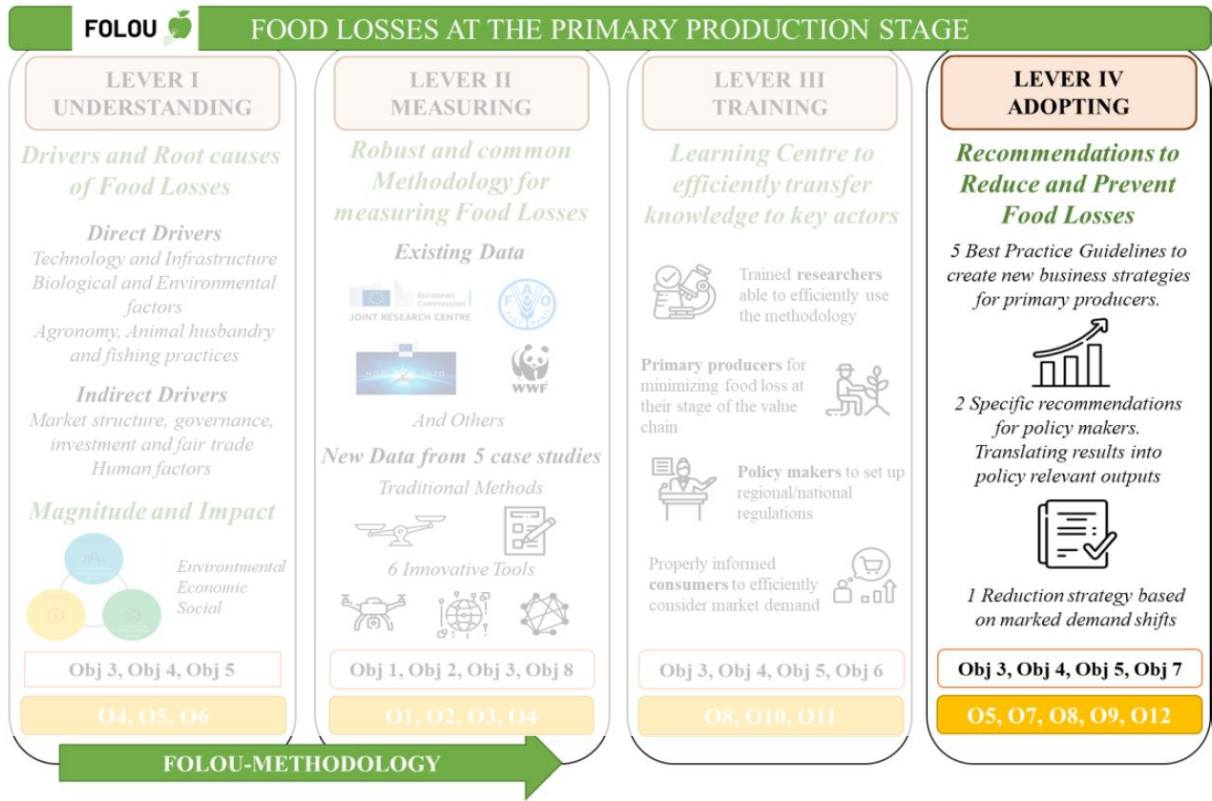


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Lever IV – Adopting “The best way to predict the future is to invent it” – A. Kay

- The FOLOU project aims to reduce food losses in the primary sector by building capacity among stakeholders and **implementing suitable governance strategies**.
- The project will prepare "**recommendation documents**" for key stakeholders, such as policy makers and primary producers, and disseminate results through national stakeholder workshops.
- FOLOU will engage with key players and policymakers in a **twinning programme and advocacy activities** to promote effective governance instruments and funding schemes.



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FOLOU Outputs



- ✓ O1 - **1 Methodology** for measuring and estimating Food Losses for the five main commodity category groups.
- ✓ O2 - **1 Roadmap** for FL methodology standardization
- ✓ O3 - **6 validated innovative tools** for quantification of Food Losses at primary production stage.
- ✓ O4 - National **Food Losses Registry (N-FLR)** and European Food Losses Registry (E-FLR)
- ✓ O5 - **FOLOU Sustainability Tool**
- ✓ O6 - Standard research protocol for the **data collection** of the food loss drivers
- ✓ O7 - **1 reduction strategy** based on market demand shifts
- ✓ O8 - **5 best practice guidelines** to reduce food losses (one for each commodity group)
- ✓ O9 - **2 Policy briefs** (national registries, methodology adoption)
- ✓ O10 - **Food Losses repository**
- ✓ O11 - **5 specific training packages** for key stakeholders
- ✓ O12 - **Twinning programme**



Elaboration of a draft proposal to start new work in CEN-CENELEC (or ISO-IEC), enabling the proposal go through the approval processes of the Standardisation Organizations

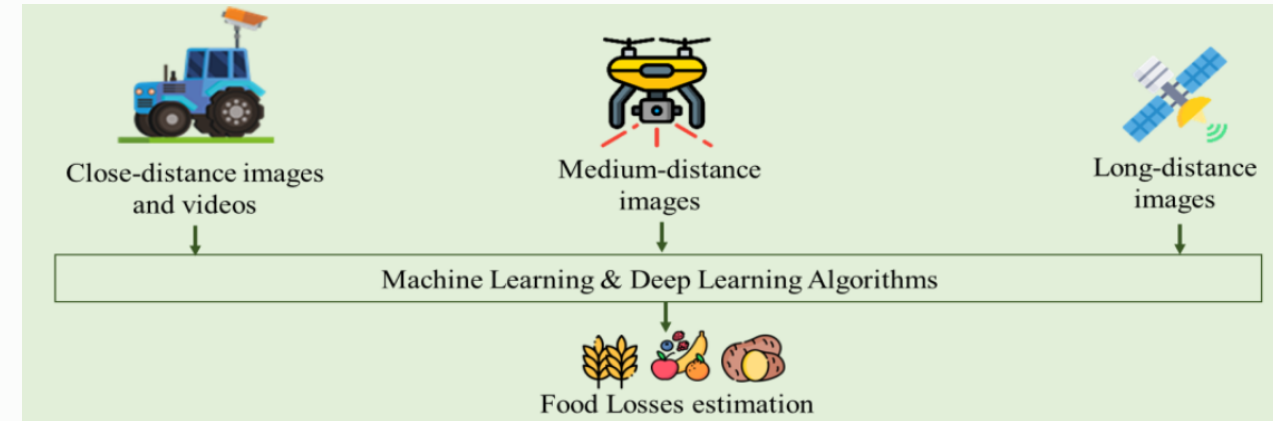


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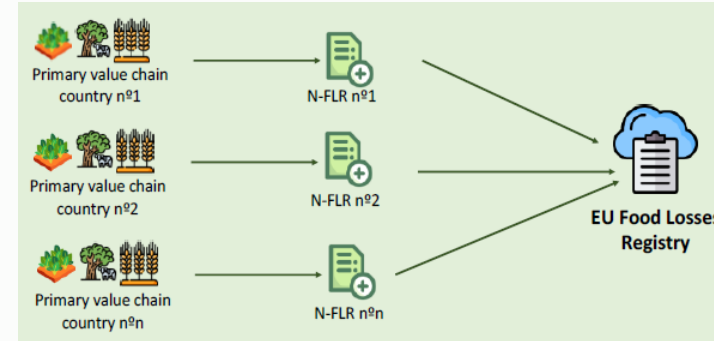


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Similar to **PRTR** (pollutant release transfer registry)

e.g., Collected together with other annual companies' declaration (e.g., waste declaration, etc.)

Collect food loss data. DACC as frontrunner region for the future N-FLR


 Generalitat de Catalunya
**Departament d'Acció Climàtica,
 Alimentació i Agenda Rural**

LAW 3/2020, of March 11, on the prevention of food loss and waste

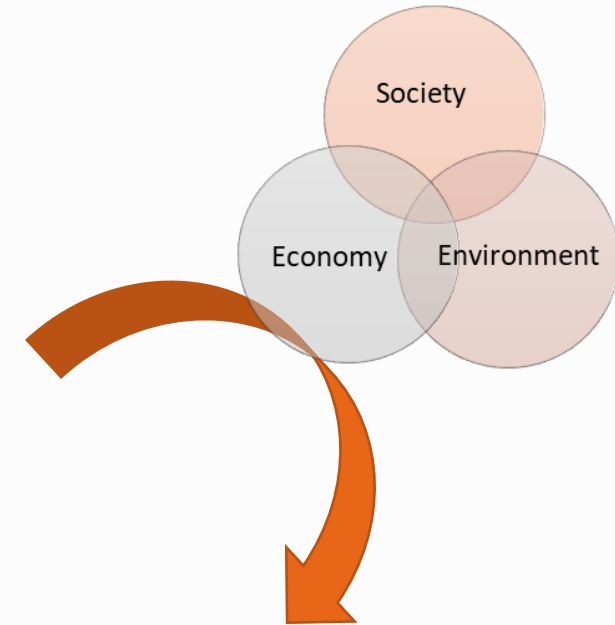
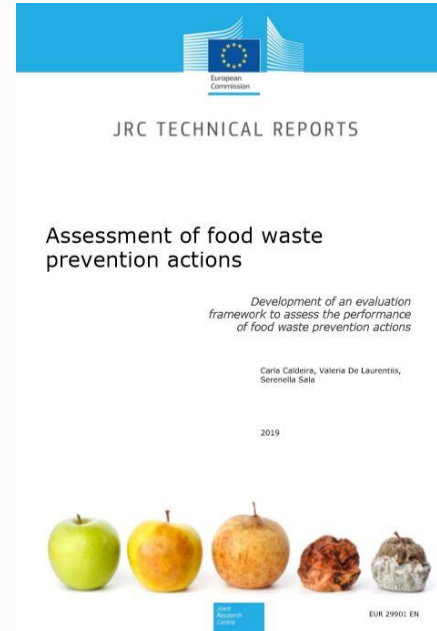


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In line with the **Product Environmental Footprint** method and the **Consumer Footprint**



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Request for information to Platform members



FOLOU wishes to bring all these actors together during targeted knowledge exchange sessions

➤ Food Loss definition and Measurement methodology definition

1. Connecting with **relevant actors in EU Member States that are familiar with Food Loss** measurement. When, what, how and who should measure and report food losses. FOLOU is aiming to cover different commodities and different value chains such as (i) fruits and vegetables, (ii) grains and pulses, (iii) roots, tubers and oil crops, (iv) meat and dairy and (v) aquaculture and fisheries.

➤ Policy analysis

1. Connecting with **relevant actors in EU Member States that are familiar with Food Loss legislation and common food business practices**. Scope: complement ongoing FOLOU data collection and policy analysis process on existing regulation and guidelines for FL monitoring and prevention/reduction strategies;
2. Connecting with **Member States actors who have carried out the 2020 first monitoring of food losses and food waste** to allow FOLOU partners working on capacity building and policy analysis to better understand the current regulatory gaps and tools gap for FL data monitoring. The aim is to identify areas of specific capacity building needs by public institutions, and to develop supporting material and tools for that.



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