



Agenda for 2030: Sustainable Development Goals (SDGs) 12: Responsible Production and Consumption

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 (SC), including post-harvest losses"





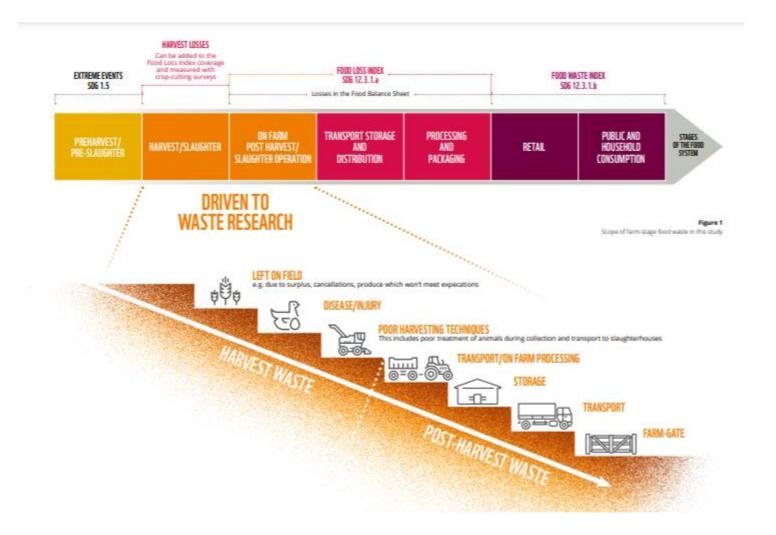
This study examines food losses and reduction measures in the Greek agricultural sector.

-> Agriculture in Greece has always been a reference point for economic and social life



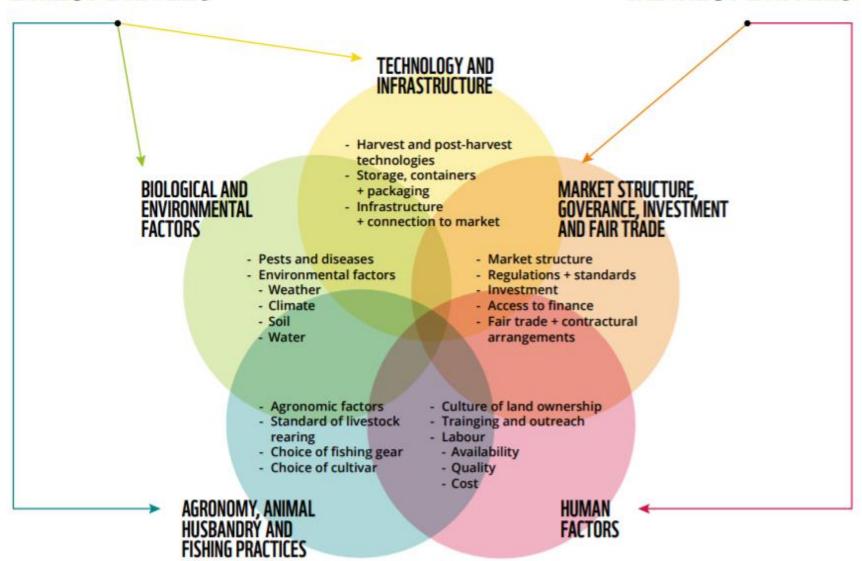
# The food supply chain starts in the primary or agricultural sector

The term 'food loss' is frequently used to refer to agricultural production that is lost unintentionally because of a variety of factors.



#### **DIRECT DRIVERS**

### **INDIRECT DRIVERS**

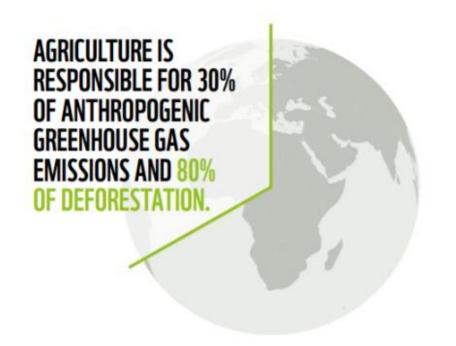


## Environmental impacts

greenhouse gas emissions

land and soil degradation

pollution and water usage



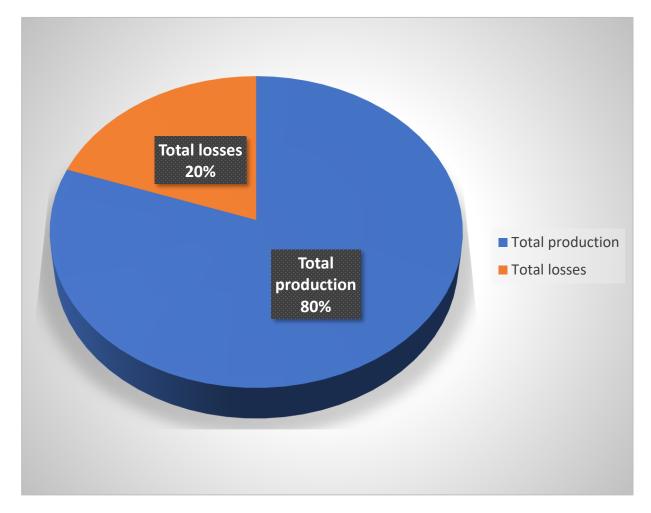
# Environmental impacts

Table 1: Environmental impacts from food losses in the agricultural sector

Greenhouse gases (Kg CO <sub>2</sub> eq)	3.5 million tons / year	
Eutrophication( KgPeq)	330 tons / year	
Ozone depletion (mgCFCeq)	130 000 tons / year	
Photochemical oxidation (KgNMVOC)	20130 tons / year	
Acidification (Kg SO <sub>2</sub> eq)	33 000 tons / year	
Water consumption (L)	30 million I / year	



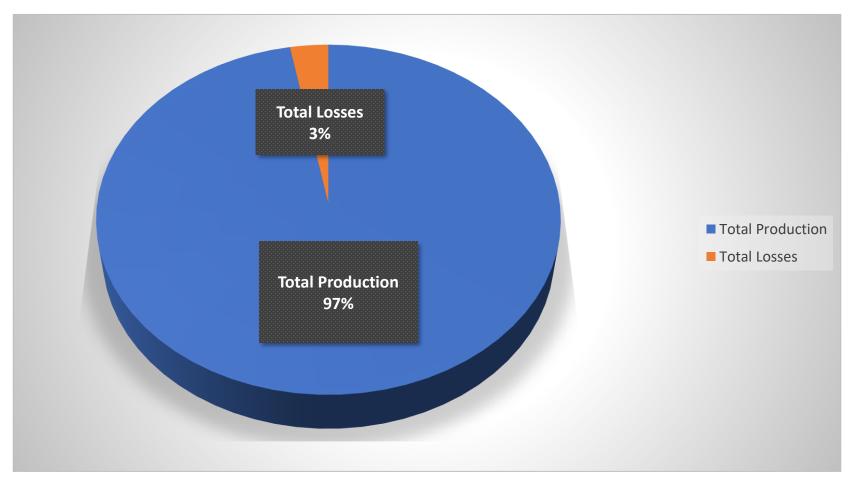
# Food loss in numbers



Products	Product losses (tons/year)	Rind and shell losses (tons/year)
Crop production (crops,barley,rice,corn)	72,3	822

Before the prevention

# Food loss in numbers



After the prevention



## Conclusions

- Agro-stage interventions can no longer be focused on technology alone
- Developing ambitious targets for pre-retail food loss and waste and more granular reporting of food losses
- Developing region- and culture-specific ground-level interventions to target the direct drivers of farm-stage food loss
- Communication, coordination, cooperation between producers and cooperatives can significantly reduce food loss levels
- Donations Sharing is caring



