DiscardLess

– Strategies for the gradual elimination of discards in European fisheries
DiscardLess will help provide the knowledge, tools and technologies as well as the involvement of the stakeholders to achieve the gradual elimination of discarding. These will be integrated into Discard Mitigation Strategies (DMS) proposing cost-effective solutions at all stages of the seafood supply chain. The first focus is on preventing the unwanted catches from ever being caught. This will promote changes in gear using existing and innovative selectivity technology, and changes in fishing tactics based on fishers’ and scientists’ knowledge. The second focus is on making best use of the unavoidable unwanted catch. We will detail technical and marketing innovations from the deck, through the supply chain to the final market, including monitoring, traceability and valorization components.

DiscardLess will evaluate the impacts of discarding on the marine environment, on the economy, and across the wider society. We will evaluate these impacts before, during and after the implementation of the landing obligation, allowing comparison between intentions and outcomes.

Eliminating discards is as much a societal challenge as a fishery management one, so we will also evaluate stakeholders’ perception of discards.
Balancing existing knowledge with innovation

The *DiscardLess* partners have extensive experience and knowledge about discards issues, and recognise the overall complexity of the problem. However, the members consider that a range of relatively simple actions used in conjunction can help mitigate discarding, and can help motivate stakeholders towards reducing discards without jeopardising the ecological, social and economic sustainability of the fisheries.

The basic design will be to systematically combine technical and scientific knowledge with users’ knowledge using participatory approaches at all scales. The ambition is to be able to mobilise the vast, but fragmented, array of stakeholders’ knowledge already available. In each case study, the work will be framed according to these key questions: (i) “what do we scientists and fishers know about the links between fishing and discarding?” (ii) “what do we not know?” and (iii) “what do we want to attempt together?” We seek simple but comprehensive answers to these complex questions.
DiscardLess is designed to take on the simultaneous challenges and opportunities of studying and implementing a radical new management approach. Placing DiscardLess in its policy context will bring it to the forefront of documenting the history of a fundamental paradigm shift in European fisheries management. Significant progress beyond the state-of-the-art will be achieved in all WPs, while it is recognized that the science base on discarding will continue to expand rapidly.

WP1 will advance our understanding of the impact of the landing obligation on key fish stocks and marine ecosystems. We will review the existing knowledge on current discarding practices, available quantitative discard data, and their use in the current fish stock evaluation and management for all the case studies fisheries.

WP2 will play a central role in filling knowledge gaps and monitoring actual changes in economic profitability and in stakeholders’ attitudes and perceptions. Since incentives to discard usually do not coincide with society’s management goals, analyses are needed both on the socio-economic as well on the business economic level.

WP3 will review the best programmes to assess the most successful and to identify best practices. Providing fishers with an economic model in to which they can enter their own specific details/data will permit them to assess both the selective and economic impact of using more selective gears.

WP4 will formalise fishers’ knowledge into the understanding and modelling of where and when to fish, and make best use of most recent tools and models for the fine-scale mapping of individual behaviour to fully understanding the changes created by the landing obligation.
WP5 will identify the most relevant options for on-board handling and storing, taking into account different vessel types and sizes, gears, species, geographical areas. Solutions for on-board handling including sorting, bleeding, cleaning, chilling, pre-processing, storing will be suggested, including where applicable the transfer of useful technology and knowledge between sectors, facilitated by the involvement of fishers and technology providers.

WP6 will investigate the logistics and processing requirements for unloading, classification, pre-treatment and storage at port. An important innovative tool in DiscardLess will be the development of an automatic system for the quantification and classification of catches landed in bulk, including bycatch.

WP7 will provide and integrate knowledge relevant for successful discard governance in Europe. Documentary and interview based research on the background and objectives of the landing obligation will establish an improved basis for progressing towards these objectives.

WP8 aims to be an effective vector of knowledge transfer, allowing maximal diffusion of scientific results into concrete information that can be bought in by the fishing and seafood industries. The DMS toolbox and our other media products including an educational film will provide a concrete and lively platform for gathering and visualising the knowledge to be exchanged.
Project Coordination

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