Socio-economic impact of landing obligation for the Dutch demersal fisheries

28-30 April 2015, Mike Turenhout (LEI) and Jurgen Batsleer (CVO)
Outline Best Practices

- Introduction
- Extra labour on board
- Extra costs ashore (including labour)
- Revenues
- Investment cost
- Conclusion
- Questions

Duration: 10 minutes
Best Practices: Introduction

- Sectoral and chain integrated approach Nephrops
- Demonstrate survival rate sole and plaice discards
- Net innovation beamer fisheries
- Fully documented fisheries
- Improve survival rate sole and plaice discards
- Demersal discard processing
Best practices: Introduction

- (Socio)-economic impact landing obligation in the Netherlands
- Extra labour costs on board and ashore before and after innovations, investment costs, potential revenues landed discards
- 3 large (>40 m) pulse beamers, small beamer (Euro cutter) and a nephrops vessel
- Different spatial allocation of fishing grounds
Best practices: Extra labour on board

- Average increase in processing time per haul 50-55%
- Average haul of 40 minutes goes to 60-62 minutes
Best practices: Extra labour on board

- Average labour increase per trip 28-34%
- Average total labour time processing hauls of 2000 minutes to 2560-2680 minutes per trip
- +1.5-1.7=2 crew (for a beamer with 5 fulltime crew)
Best practices: Extra costs ashore

- Per 1000 kg of discards costs ashore 350-360 euro

![Cost structure processing 1000 kg of discards on land TX1 (Euro)]
Best practices: Revenues

▪ Market for discards
  • Fishmeal
  • Pet food
  • Human consumption
  • Silage

▪ Sales price per kg (ex transport) max. 0.20 euro
  • -> max. 200 euro per 1000 kg
Best practices: Investments

- Investments to decrease and monitor unwanted discards:
  - costs not yet known
Best practices: conclusion

- Increase in processing time haul (average 50-55%)
- Increase in total labour time trip (average 28-34%)
  - -> +2 crew (for a beamer with 5 fulltime crew)

- Extra costs processing discards ashore
  - -> 350-360 euro per 1000 kg

- Revenues discards
  - -> max. 200 euro per 1000 kg

- Investment costs to decrease and monitor bycatch not yet known
Thank you for your attention.

Questions?

Mail:
mike.turenhout@wur.nl
jbatsleer@visned.nl