

Social problems

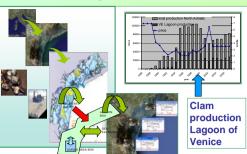


APPRAISAL STEP

5 - Venice Lagoor

Venice Lagoon

Sustainable management of the clam Tapes philippinarum



4 people charged for illegal fishery

Fishery meeting ended in a fight

Pesca abusiva, 40 invalves used to the control of t

History

•1983: Tapes philippinarum introduction

•1983-1990 clam colonisation

•From1990: fishermen started to fish in open access regime/ social tensions/poor quality (fished also in prohibited area)

•1999: catches decline

•2001: allocation of aquaculture concessions

2005: extension of aquaculture concessions2009: re-allocation of aquaculture concessions

• Negative impacts: sediment resuspension, benthic habitat alteration

• Economic Relevance: 60% of national production

Number of fishermen: around 1000

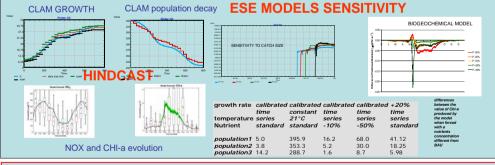
•estimated gross annual production: 180 Million Euro

Policy Issue

Evaluation of alternative management strategies

Preserving the economic activity of clam harvesting





SCENARIOS

- -Different levels of fishing effort
- Density and timing of seed
- Changes in external costs
- Size and location fields Climate Scenarios



EXTEND INTEGRATED MODEL RESULTS



CONCLUSIONS

Creation of an integrated bioeconomic model of *Tapes philippinarum*➤ Sensitivity analysis to changes in price and mortality rate suggests that higher level of uncertainty induce fishermen to increase pressure on resource, decreasing the harvesting size, increasing pressure on environment and impacts

Need of management strategies to avoid price fluctuations such as 'labelling' and 'certification' in order to prevent

rowerexploitment of Lagoon resource, and of nursery productivity.

From the beginning of the application of SPICOSA SAF methodology to the Venice Lagoon clam fishing management issue a lot of changes in the political situation have occurred. The new administrations and the main organization responsible for fishing management in the Venice Lagoon, G.R.A.L.-Lagoon Fishery Management Resources are carrying out a sustainable management of the resource, and they are receptive towards a collaboration with the scientific counterpart.







