Marine Fisheries









Demersal fishery in the Adriatic Sea (C6F)

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Peculiar morphological features

Northern Adriatic lacuna







Glacial relicts













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Food and Agriculture Organization of the United Nations











Non-native thermophilic species















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(warming water)

Pair mid-water trawling + 15%

Hydraulic dredge – 35% Rapido -22%

Bottom trawling -6%

Tuna fishery +15%

Artisanal fishery -12%

Recreational fishery +9%





























 \odot presence of non linear effects

 \circ general decreasing of total value

 \odot differential effects on the basis of the fleet segment

ones targeting pelagic species increasing value

ones targeting demersal species decreasing value

among the last, the artisanal fishery showed to be more resilient







Take home messages

1. Decrease in-sustainability of fishing activities (product valorization)

2. Increase the resilience of coastal communities (activities diversification)

3. Promote collaboration instead of competion

4. Start to work on the Carbon footprint of the fishing fleets







References

D1.3 Empirical analysis of the historical effects of climate change on fisheries and aquaculture production

D1.5 ClimeFish case study characterization update for all cases

D3.2 Production-biomass and distribution scenarios for reference case studies

D3.5 Lessons learnt and future challenges on biological forecasting

Libralato S., Caccin A., Pranovi F., 2015. Modelling species invasions using thermal and trophic niche dynamics under climate change. *Frontiers in Marine Science*, doi: 10.3389/fmars.2015.00029





