



# Trophic controls in the Black Sea ecosystem

## Fact Sheet

### Project Information

BLACK MODE

Grant agreement ID: 40165

Start date

1 January 2007

End date


31 December 2008

Funded under  
FP6-MOBILITY

Overall budget  
€ 0

EU contribution  
€ 130 448

Coordinated by  
ORTA DOGU TEKNIK  
UNIVERSITESI

 Turkey

## Objective

The study proposed here aims to understanding the functioning of the Black Sea ecosystem in terms of the "trophic cascade" control and "regime shift" mechanisms using retrospective data analysis and interdisciplinary modelling approach.

The main focus of the proposal is on understanding the long-term ecological changes within the pelagic interior Black Sea ecosystem during its transformation from the pre-eutrophication phase of the 1960s to the post-eutrophication phase of the 1990s.

It is devoted to model the structural changes took place in the Black Sea ecosystem under concurrent effects of climatic changes, anthropogenic nutrient enrichment, temporal outburst of gelatinous species, overexploitation of small pelagic stocks in terms of the identification of regime shifts, alternative states, and trophic controls.

The second objective is to elaborate individual role of each forcing mechanism on the

structural changes of the Black Sea ecosystems, and predict its possible future states under some specific scenarios.

The proposed study integrates various aspects of physical oceanography, climate-change research, ocean biogeochemistry, fisheries oceanography, and therefore represents a truly multi-disciplinary research approach based on the analysis of available data and simulations.

## Programme(s)

## Topic(s)

## Call for proposal

FP6-2005-MOBILITY-5

## Funding Scheme

EIF - Marie Curie actions-Intra-European Fellowships

## Coordinator



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