



CNR-IAMC
UOS di Mazara del Vallo

Via Vaccara 61
91026 Mazara del Vallo



Invito al Workshop

METHODS FOR INVESTIGATING THE MORTALITY OF FISH ESCAPING FROM TOWED FISHING

Dr. Breen, Michael

Institute of Marine Research, Norway

e-mail: michael.breen@imr.no

Dr. O'Neill, Barry

Marine Scotland Science, Scotland

email: b.oneill@marlab.ac.uk

Dr. Sala, Antonello

Istituto di Scienze Marine, CNR, Italy

e-mail: a.sala@ismar.cnr.it

Responsabile Ritmare WP5 - Sviluppo di attrezzature e strategie di pesca sostenibili

Dr. Vitale, Sergio

Istituto per l'Ambiente Marino Costiero, CNR, Italy

e-mail: sergio.vitale@cnr.it

Responsabile Ritmare SP2_WP5_AZ1_UO02, Valutazione del "fish survival" nello Stretto di Sicilia

Wednesday 25th September 2013 - PM

Overview of the fishery, its target species and their biology

What is escape mortality and how can it be measured?

Critical problems in the assessment of escape mortality using captive observation: a) Sampling induced biases; b) Captivity effects & the correct use of controls

Project SURVIVAL – An example of Methods for Investigating the Mortality of Fish Escaping from Fishing Gear

Thursday 26th September 2013 - All Day

Experimental Design for the Ritmare Project – An Open Discussion

Influence of gear design and other factors affecting mobile gear species selectivity

Potential Explanatory Variables

Codend sampling cover : i Design principles; ii Development & testing; iii Deployment & operation

Captive Observation: i Containment facilities – design principles; ii Transfer from Cover into Containment facilities

Monitoring protocols: i Mortality; ii Behaviour; iii Physiology.

Control Groups: i Captivity; ii Experimental

Injury & Biometric Assessment

Data Analysis: Modelling binomial data Mixed effects models Survival/Failure Analysis