



Consiglio Nazionale delle Ricerche

ISMAR - Istituto di Scienze Marine

U.O.S. di Ancona

Largo Fiera della Pesca, 1 – 60125 Ancona, Italy

Tel +39 071 207881 Fax +39 071 55313

segreteria@an.ismar.cnr.it

C.F. 80054330586 - P.IVA 02118311006



Giovedì 21 Luglio 2016 - ore 12 SALA RIUNIONI SEMINARIO



Dr. Rolf Korneliussen

Rolf Korneliussen is head of research group Marine Ecosystem Acoustics at IMR



INSTITUTE OF MARINE RESEARCH
HAVFORSKNINGSINSTITUTTET

ABSTRACT

Sonars and echosounders are widely used for remote sensing in the marine environment. Technological advances have continually improved the measurement accuracy, allowed more frequencies to be used concurrently, and greater volumes to be sampled acoustically. Inevitably, this has greatly increased the amount of acoustic data to be processed. Acoustic methods are the only methods that have the potential for reliable estimation of fish stock sizes of large areas sufficiently efficient. I describe acoustic methods in general, for the analysis of scatterers at different trophic levels, such as zooplankton, pelagic fish and demersal fish.

About IMR

With a staff of almost 750, the Institute of Marine Research is the Norwegian governmental centre of marine science. Its main task is to provide advice to Norwegian authorities on aquaculture and the ecosystems of the Barents Sea, the Norwegian Sea, the North Sea and the Norwegian coastal zone. About fifty percent of their activities are financed by the Ministry of Trade, Industry and Fisheries.

SEDE ISTITUTO
Castello 1364/a
30122 Venezia
Tel. +39 041 2404711
Fax +39 041 5204126
segreteria@ismar.cnr.it

Bologna
Via P. Gobetti, 101
40129 BO
Tel +39 051 6398891
Fax +39 051 6398939
segreteria@bo.ismar.cnr.it

Genova
Via De Marini, 6
16149 GE
Tel +39 010 64751
Fax +39 010 6475400
segreteria@ge.ismar.cnr.it

Lesina
Via Pola, 4
71010 FG
Tel +39 0882 992702
Fax +39 0882 991352
segreteria@fg.ismar.cnr.it

Pozzuolo di Lerici
Forte Santa Teresa
19032 SP
Tel +39 0187 978300
Fax +39 0187 970585
segreteria@sp.ismar.cnr.it

Trieste Francesco Vercelli
Viale Romolo Gessi, 2
34123 TS
Tel +39 040 305312
Fax +39 040 308941
segreteria@ts.ismar.cnr.it