



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



**Martedì 6 Settembre 2016 - ore 12 SALA RIUNIONI
SEMINARIO**

**“Learning from the past and stepping into the future
Population dynamics of Atlantic cod (*Gadus morhua*)
revealed by historical DNA”**



Sara Bonanomi

ABSTRACT

The overarching goal of my PhD thesis was to examine historical dynamics of Atlantic cod populations (*Gadus morhua*) in Greenland. The results showed how temporally spaced DNA samples offer a unique opportunity for disentangling the effects of primary evolutionary forces shaping marine fish populations over several decades. Overall, Paper 1, 2 and 4 represent some of the first concrete examples of how spatiotemporal data delivered by geneticists can be successfully applied in current fisheries management schemes.

This PhD thesis was defended on October 24th 2014 at the Technical University of Denmark. The research project took place at DTU Aqua in Silkeborg between September 2011 and August 2014. The work also included one month research visit at the Centre for Ecological and Evolutionary Synthesis in Oslo and one month research visit at Greenland Climate Research Centre in Nuuk. The PhD project received financial support from the Danish Agency for Science, Technology and Innovation as part of the Greenland Climate Research Centre and from the Nordic Centre of Excellence for Research on Marine Ecosystems and Resources under Climate Change, NorMER.

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