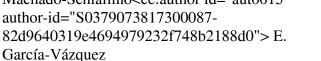
Accepted Manuscript

Title: Forensic assignment to geographic origin, a useful tool in seafood fraud control

Author: <ce:author id="aut0005" author-id="S0379073817300087-26a466185f26aecb046eb363e29255a7"> J.L. Horreo<ce:author id="aut0010" author-id="S0379073817300087ada8a9a95e91e706bf69d42b00d6dde4"> G. Machado-Schiaffino<ce:author id="aut0015" author-id="S0379073817300087-82d9640319e4694979232f748b2188d0"> E.



PII: S0379-0738(17)30008-7

DOI: http://dx.doi.org/doi:10.1016/j.forsciint.2017.01.003

Reference: FSI 8721

To appear in: **FSI**

Received date: 4-10-2016 Revised date: 5-12-2016 2-1-2017 Accepted date:

Please cite this article as: J.L.Horreo, G.Machado-Schiaffino, E.García-Vázquez, Forensic assignment to geographic origin, a useful tool in seafood fraud control, Forensic Science International http://dx.doi.org/10.1016/j.forsciint.2017.01.003

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



ACCEPTED MANUSCRIPT

Forensic assignment to geographic origin, a useful tool in seafood fraud control

Horreo J. L.1*, Machado-Schiaffino G.2, García-Vázquez E.3

¹Department of Biodiversity and Ecologic Restoration, Instituto Pirenaico de Ecología (IPE-CSIC), Avda. Nuestra Señora de la Victoria 16, 22700 Jaca, Spain.

2 Zoology and Evolutionary Biology, Department of Biology, University of Konstanz, Universitatstrasse 10, 78467 Konstanz, Germany

³ Department of Functional Biology, University of Oviedo, C/ Julián Clavería s/n, 33006 Oviedo, Spain.

*Corresponding author: horreojose@gmail.com

Highlights

- Only one Atlantic salmon catch of the angling season can be sold in Northern Spain.
- The first salmon catch of the year 2011 was denounced on regional Court for fraud.
- Fisherman declaration did not match with genetic assignments to a rivers baseline.
- This methodology was useful as a reinforcement of other evidences in Court.
- This is the first judicial case employing these genetic evidences in a fish species in Spain.

Abstract

Seafood fraud is an economically motivated and widely spread problem encompassing drastic consequences in both public health and species conservation. In Northern Spain,

دريافت فورى ب متن كامل مقاله

ISIArticles مرجع مقالات تخصصی ایران

- ✔ امكان دانلود نسخه تمام متن مقالات انگليسي
 - ✓ امكان دانلود نسخه ترجمه شده مقالات
 - ✓ پذیرش سفارش ترجمه تخصصی
- ✓ امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
 - ✓ امكان دانلود رايگان ۲ صفحه اول هر مقاله
 - ✔ امکان پرداخت اینترنتی با کلیه کارت های عضو شتاب
 - ✓ دانلود فوری مقاله پس از پرداخت آنلاین
- ✓ پشتیبانی کامل خرید با بهره مندی از سیستم هوشمند رهگیری سفارشات