

II International Symposium  
on Labelling and Authenticity  
of Seafood

# ISLAS

## 2021 • Vigo

October 20th-21st

PROGRAM

 **Interreg**  
Atlantic Area  
European Regional Development Fund



 SEATRACES



**CSIC**  
CONSEJO SUPERIOR DE INVESTIGACIONES CIENTÍFICAS

# 20th October

HOUR	ACTIVITY
10:00 – 10:15 h	Opening ISLAS 2021
10:15 – 10:20 h	SEATRACES Presentation <i>Speaker: Carmen G. Sotelo</i>
10:20 – 10:40 h	SEATRACES documentary
	<b>SEAFOOD SPECIES AUTHENTICATION METHODS</b>
10:40 – 10:55 h	Validation of FASTFISH-ID: A new commercial platform for rapid fish species authentication via universal closed-tube barcoding <i>Speaker: Stefano Mariani</i>
10:55 – 11:10 h	Development of a multiplex real-time PCR method for the identification of commercial scallop species <i>Speaker: Regina Klapper</i>
11:10 – 11:25 h	Opportunities for third-generation portable sequencing in seafood traceability and authenticity <i>Speaker: Peter Shum</i>
11:25 – 11:40 h	Development of a NGS approach for tuna identification using self-produced tuna mixtures and market products <i>Speaker: Regina Klapper</i>
11:40 – 12:00 h	COFFEE BREAK
12:00 – 12:15 h	A new rapid method for the authentication of common octopus ( <i>Octopus vulgaris</i> ) in foodstuffs by Recombinase Polymerase Amplification (RPA) and Lateral Flow Assay (LFA) <i>Speaker: Amaya Velasco</i>
12:15 – 12:30 h	Development of a rapid and portable method for oyster's authentication <i>Speaker: Miguel Ángel Pardo</i>

# 20th October

## HOUR

## ACTIVITY

12:30 – 12:45 h

Development of a DNA microarray for the identification of commercially relevant crustacean species

*Speaker: Christian Brenn*

### PRODUCTION METHOD AND QUALITY CONTROL METHODS

12:45 – 13:00 h

QUALITY: Differentiation of fresh and frozen-thawed seafood with rapid non-destructive methods: Comparison of bioelectrical impedance analysis (BIA), near-infrared spectroscopy (NIR) and radio frequency quality scan (RFQ-SCAN)

*Speaker: Sonia Nieto*

13:00 – 13:15 h

Production method: differentiation of wild and farmed Atlantic blue fin tuna (ABFT)

*Speaker: Carmen G. Sotelo*

13:15 – 14:15 h

LUNCH BREAK

### GEOGRAPHIC ORIGIN CONTROL METHODS

14:15 – 14:35 h

Geographic origin assignment of *Mytilus galloprovincialis* mussels using reduced SNP panels

*Speaker: Ane del Rio*

14:35 – 14:55 h

DNA-based point-of-origin identification of cod products in Europe by means of high-throughput sequencing

*Speaker: Stefano Mariani*

14:55 – 15:15 h

Traceability and geographic origin of three crustacean species using COI and microsatellite markers

*Speaker: Solène Avignon*

# 20th October

HOUR	ACTIVITY
	<b>OFFICIAL CONTROL</b>
15:15 – 15:55 h	<b>FISH-FIT, a new online seafood identification tool to fight food fraud</b> <i>Speaker: Ute Schröder</i>
15:55 – 16:25 h	<b>Panel on Labeling control</b> <b>Objective:</b> <i>To discuss the needs of control laboratories in the context of the development and validation of methods performed in SEATRACES. Is there a need in the EU for a centralized platform for control laboratories to access validated methods and advice on seafood authentication (FISH-FIT tool)</i> <b>Participants:</b> <b>CHAIR:</b> <i>Stefano Mariani (LJMU)/Ute Schröder (MRI)</i> <i>Miguel Ángel Pardo (AZTI)</i> <i>Helena Silva (IPMA)</i> <i>Julien Landure (Laboratoire SCL de Marseille)</i> <i>Audience</i>

# 21st October

HOUR	ACTIVITY
	<b>INDUSTRY AND TRACEABILITY</b>
10:00 – 10:15 h	<b>Case study: Oysters from Setúbal</b> <i>Speaker: Nuno Ferreira</i>

# 21st October

HOUR	ACTIVITY
10:15 – 10:30 h	<b>Case study: Mexillón de Galicia</b> <i>Speaker: Angeles Longa</i>
10:30 – 10:45 h	<b>Case study and Pilot action: Traceability system and ICT tool for the label Atun Rojo Rojo</b> <i>Speaker: Carmen G. Sotelo</i>
10:45 – 11:00 h	<b>Case study: Irish Seafood / Galway Oysters</b> <i>Speaker: Simona Paolacci</i>
11:00 – 11:20 h	<b>COFFEE BREAK</b>
11:20 – 11:35 h	<b>The label of quality for the oysters on the French market</b> <i>Speaker: Françoise Denis</i>
11:35 – 11:55 h	<b>Labels on seafood products in different European Countries and their compliance to EU legislation</b> <i>Speaker: Simona Paolacci</i>
11:55 – 12:15 h	<b>SeaTraceNet – An Expert Seafood Traceability Network</b> <i>Speaker: Rogerio Mendes</i>
12:15 – 12:45 h	<b>Panel on Traceability</b> <b>Objective:</b> <i>To discuss the benefits and needs regarding traceability of seafood to guarantee a legal, safer and authentic seafood. To evaluate the results that SEATRACES will provide to other potential countries/value chain</i> <b>Participants:</b> <i>CHAIR: Ricardo Pérez Martín (IIM.CSIC)/Angeles Longa (CRMG) Nuno Ferreira (Exporsado) Pablo Lafuente (SEALAB Solutions, Atun Rojo Rojo) Gearoid Hurley (Keohane's of Bantry) Audience</i>

# 21st October

HOUR

ACTIVITY

## CONSUMERS' VIEW

12:45 – 13:25 h

**Results from Consumers survey**

*Speaker: Michail Bitzios*

13:25 h

**ISLAS2021 Closure**

*Speaker: Carmen G. Sotelo*

## Posters

### Title

Phylogeography of three oyster species:  
*Ostrea edulis*, *Crassostrea gigas* and  
*Crassostrea angulata*

Tracing the geographical origin of *Mytilus galloprovincialis* by combining stable isotope and trace element analysis

New protocol for the metagenomic analysis of the eukaryotic species included in the diet of *Mytilus galloprovincialis* mussels

Differentiation of the production method in turbot (*Scophthalmus maximus*) through the associated microbiota

A Real-Time PCR method for the authentication of common cuttlefish (*Sepia officinalis*) in food products

The influence of DNA extraction methods on species identification results of seafood products

### Authors

*Solène Avignon, François Denis*

*Joachim Molquentin, Jan Weber, Ane del Rio-Lavín, Elisa Jiménez, Miguel Ángel Pardo*

*Marta Muñoz-Colmenero, Ren-Shiang Lee Le Fang, Amaya Velasco, Graciela Ramilo-Fernández, Ángeles Longa, Carmen G. Sotelo*

*Marta Muñoz-Colmenero, Daniel Costas, Graciela Ramilo-Fernández, Carmen G. Sotelo*

*Amaya Velasco, Graciela Ramilo-Fernández and Carmen G. Sotelo*

*Rosalía Rodríguez-Riveiro, Amaya Velasco, Carmen G. Sotelo*