



**Escola Europea de  
Short Sea Shipping**

**2E3S.eu**

Courses 2016-2018



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## A word from our Director

Welcome to the world of the Escola Europea de Short Sea Shipping!

We are a training centre of a different kind with an extremely interactive and person-oriented approach; we are in pursuit of technical and humanist excellence; with a training programme that introduces the technical concepts of the logistics and port sectors to the participants using a methodology that facilitates communication and relations amongst the participants.

The Escola, founded in 2006, is still a young centre. But at the same time it followed a large trajectory in its lifetime and gathered diverse international experience. Students from across Europe and America have passed through our doors. And we have participated in numerous European and Mediterranean projects – ones that have contributed to the development of intermodal transport.

What sets us apart from other training methods and centres is the combination of theory with reality.

This allows the students to experience what they have learned in the classrooms. As a result, the concepts studied are retained and can immediately be put into practice once the course finishes.

Our partners, the ports and shipping lines, give us access to unrivaled training instruments: the infrastructures and technical mediums. And the port

communities, our collaborators, provide us with knowledge, equipment and the experiences of their services and operations. They do it to promote their own activities and to give value to the logistics-port sector, which is consistently gaining strength through three main elements: its growing economic importance, job creation and sustainability of the solutions it offers.

We have designed our courses tailoring to different levels of commitment and budget. They range from short courses covering the essentials to longer ones onboard vessels or trains, ranging in duration from three to five days.

They all share some common elements: Coherent and comprehensive programmes, well defined and current contents, well-prepared and motivated lecturers, quality learning materials and practical experiences.

Overall, they provide life-experiences that turn into long-lasting memories for all.

We have a team of professionals ready to offer you all the information you may require and look forward to welcoming you in the near future.

Sincerely,

Eduard Rodés  
*Director*



# Courses: Introduction

The Escola Europea de Short Sea Shipping - 2E3S.EU is a European training center and a reference for intermodal transport and logistics, promoting sustainable logistics in Europe through innovative courses. Our aim is to promote intermodal transport as the basis for sustainable logistics in Europe.

The first courses were organised in 2004 and were promoted by the Customer Service Department of the Port of Barcelona with the collaboration of Grimaldi Lines and the Ports of Rome and Lazio.

In 2006 the Escola was formally founded in the shape and form as it is known today by the Ports of Barcelona, Rome and Genoa, as well as the shipping companies Grimaldi Lines and Grandi Navi Veloci.

The courses were born out of our desire to seek formulas through which professionals and students from the transport sector could have the opportunity to gain a practical and realistic view of the operations.

Individually we aim for the participants to become more familiar with this type of operations and to get a firsthand vision of the ports and their logistics communities.

Our long-term goal is to pave the way for the existence of competitive services and efficient logistics chains in Europe, using ports as central points of intermodal exchanges.

After 10 years of existence, more than 180 courses and more than 7,500 students, the Escola remains committed to this set of courses to provide a complete view of intermodality.

This booklet presents the courses offered by the Escola to students, schools and universities.

Alongside the courses listed in the catalogue, we can adapt our programmes to include additional activities according to the needs of individual groups. Moreover the courses, depending on their length and the contents, count towards the European Credit Transfer Systems (ECTS). The educational institutions may choose freely to include them as elective credits.

The Escola can offer tailored training solutions for everyone: get in touch with us for more information!





# Our classrooms

The classrooms of the Escola Europea de Short Sea Shipping take the courses one step further by bringing the participant to the environments where short sea shipping and logistics operations take place:

- Located in the Mediterranean, the Ports of Barcelona, Rome and Lazio, and Genoa are equipped with the best instruments to let the students get familiar with the logistics communities.
- The courses on board of a Ro-Pax vessel on a crossing between two main ports in the Mediterranean along some of Europe's main short sea shipping routes or on board of a train help the participants experience the operations first-hand and absorb the teachings more efficiently.
- The city where our headquarters are located: Barcelona is more than just one city to Europe and to the Mediterranean area. It is a friendly meeting point that represents a unique way of understanding life and fraternity.

Our classrooms belong to the Mediterranean:

**Join us in this sea of knowledge!**





## Our teachers

- **Adriana Diaz** Escola Europea de Short Sea Shipping
- **Alberto Camarero** Universidad Politécnica de Madrid
- **Alberto García** Fundación de los Ferrocarriles Españoles
- **Álvaro Rodríguez Dapena** Puertos del Estado
- **Ana Arévalo** Port de Barcelona
- **Ana Casaca** Federal University of Maranhão, Brasil
- **Andrea Campagna** Centro di ricerca per il Trasporto e la Logistica (CTL) Università degli Studi di Roma "La Sapienza"
- **Antonio Belmar** Agentes de Navegação de Portugal (AGEPOR)
- **Antonio Góngora** Puertos del Estado
- **Antonio Nabo Martins** CP Carga
- **Antonio Vargas** Grimaldi Goup
- **Carles Rua** Port de Barcelona
- **Carlos Gómez** Acciona Trasmediterranea
- **Claire Perez** Port de Barcelona
- **Eduard Rodés** Escola Europea de Short Sea Shipping
- **Florence Delalande** Froidcombi
- **Francesco Benevolo** Rete Autostrade Mediterranee Spa (RAM)
- **Gaëlle Cadiou** Bureau de Promotion du Shortsea (BP2S)
- **Hans Tepper** Alfil Logistics
- **Isabel Ramos** Shortsea Promotion Center Portugal
- **Jaime Luezas** Puertos del Estado
- **Jaume Bonavía** Alfil Logistics
- **Jean-Marie Millour** Bureau de Promotion du Shortsea (BP2S)
- **João Soares** Logismaris
- **Jordi Vila** Port de Barcelona
- **José Ángel Méndez** LOGIRAIL
- **José Francisco Vidal** Escola Europea de Short Sea Shipping
- **Manuel Galán** Port de Barcelona
- **Marta Miquel** Escola Europea de Short Sea Shipping
- **Miguel Pardo** Trasmediterranea
- **Mike Schreuders** De Rijke Trans. & Logistica España
- **Nathalie Thomas** Port de Barcelona
- **Rosa Romero** FF-lawyers
- **Salvatore d'Alfonso** Union for the Mediterranean Secretariat
- **Santiago Abengochoa** ADIF
- **Silvio Ferrando** Port Authority of Genoa
- **Vitor Manuel dos Ramos Calderinha** APSS
- **Willy De decker** Shortsea Promotion Centre Belgium
- **Xavier Lluch** Xavier Lluch Assesoria i Serveis

# Our Courses

The Escola organises courses between the months of January - June and September - December. Due to the touristic season, the summer months are not included.





# Logistics Port Workshop

## Objectives

- To offer a complete view of port facilities and operations from a maritime and/or inland perspective.
- To present key theoretical concepts to understand current trends in transport, logistics and international businesses worldwide.

## Methodology

In this course every group can select the workshops and lectures to suit their needs.

In the workshops, participants get to know first-hand how port operations and facilities work in real life. In the lectures and debates, key issues in transport, logistics and international business are considered.

**Choose the classes and visits you like the most!**

## Contents

### Lectures:

**€ 150 per lecture**

- Introduction to Intermodal Logistics
- Logistics and Environment: Energy Efficiency
- The Trans-European Transport Network (TEN-T)
- The Port: the Main Node of Modal Exchange
- Presentation of a Case Study

### Maritime workshop:

**€ 650**

- Maritime visit to the Port of Barcelona

### Inland workshops:

**€ 1.200**

- Visit to an Intermodal Terminal
- Visit to a Container Terminal
- Visit to a Vehicle Terminal
- Visit to ZAL - Logistics Activity Zone

### Languages

- Catalan
- English
- French
- Spanish
- Others (contact us)

### Location

Barcelona

### Duration

Between one hour and a full day, depending on the format you choose. Contact us.

### Price per group

Prices for groups of 35 people.

For bigger groups: contact us





# Introduction to Intermodality

## Objectives

- To show port operations and the vessel's facilities in detail and from a practical perspective.
- To offer an introduction to the motorways of the sea and intermodality using a theoretical and practical approach.

## Methodology

The course gives priority to practical training and is based on experiential learning. Terrestrial visits to specific parts of the port and on-board visits to a vessel are carried out, during which its main actors explain the operations in detail. The training is completed by lectures in a classroom environment, during which the students are encouraged to participate actively.

**Jump on board!**

## Contents

### Lectures:

- Introduction to Intermodal Logistics
- Logistics and Environment: Energy Efficiency
- Integration of the Motorways of the Sea in Intermodal Logistic Chains
- Analysis of a Case Study

### Workshops:

- Maritime visit to the Port of Barcelona
- Organization and Operations of a Ro-Pax Vessel:
  - Stowing Operations
  - The Bridge
- Visit to an Intermodal Terminal
- Management of Port Terminals and Ship Loading Operations
- Visit to a Container Terminal
- Visit to a Vehicle Terminal
- Visit to ZAL - Logistics Activities Zones

### Languages

- English
- French
- Spanish
- Others (contact us)

### Location

Barcelona

### Duration

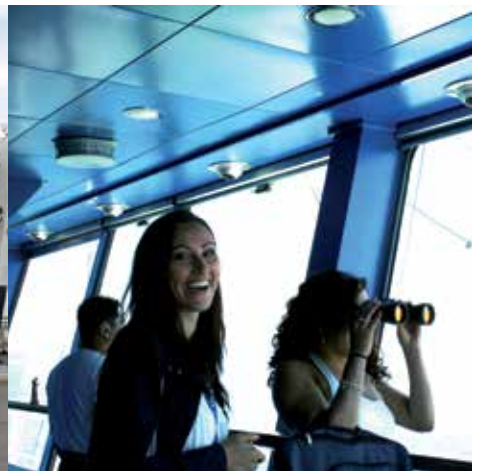
Two days

### Price per person

€ 195

A meal on board of the vessel is included

Prices subject to change. Contact us



# MOST Operations



## Objectives

- To provide knowledge in intermodal maritime logistics, short sea shipping services and the motorways of the sea.
- To foster collaborative work and group cohesiveness as a method to optimise the development of logistics chains.

## Methodology

This course takes place on board of a Ro-Pax vessel on a three-day short sea shipping route in the Mediterranean. Departure and arrival will be from the Port of Barcelona. At the end of the course, successful participants will receive a diploma. This course combines sailing on a SSS route, theoretical lectures, workshops, practical visits and a case study in groups.

**Sail with us!**

## Contents\*

### Lectures:

- Intermodal Logistics
- Integration of Motorways of the Sea in Intermodal Logistics Chains
- Logistics and Environment: Energy Efficiency
- Competitive Analysis: Types of Operations and Comparison of Costs between Different Means of Transport
- Port and Shipping Lines Services

### Languages

- English
- French
- Spanish
- Others (contact us)

### Location

On the route of a Ro-Pax vessel between Barcelona and a Mediterranean port

### Duration

Three days

### Price per person

€ 350

Accommodation included (two-person cabin)  
Pack meals (optional): 45 € per person (two lunches, two dinners and two breakfasts)

Prices subject to change. Please contact us

### Workshops:

- Maritime visit to the Port of Barcelona
- Management of Port Terminals and Ship Loading Operations
- Organization and Operations of a Ro-Pax Vessel:
  - Stowing Operations
  - The Bridge
- Maritime visit to the Port of Genoa

\*Specific contents may vary for every course

### Case Study:

- Participants will need to solve a case study through collaborative team work



# MOST Management



## Objectives

- To offer a complete training in intermodal maritime logistics, short sea shipping services and the motorways of the sea to professionals and logistics, transport management and international business students.
- To foster collaborative work and group cohesiveness as a method to optimise the development of logistics chains.

## Methodology

This course takes an inquiry-based learning approach. It takes place on board of a Ro-Pax vessel on the crossing between Barcelona and Civitavecchia. Departure and arrival will be from the Port of Barcelona.

During the trip, students will attend lectures, workshops and work on a case study in groups.

Additionally this course includes a guided tour and some free time to enjoy the eternal city of Rome, therewith fostering personal relations between the participants. At the end of the course, successful participants will receive a diploma.

**A complete educational and personal experience!**

## Contents\*

### Lectures:

- Intermodal Logistics
- Integration of Motorways of the Sea in Intermodal Logistics Chains
- Logistics and Environment: Energy Efficiency
- Competitive Analysis: Types of Operations and Comparison of Costs between Different Means of Transport
- Port and Shipping Lines Services
- Electronic contracting in multimodal transport
- e- Maritime: New Technologies at the Service of Transport

### Workshops:

- Maritime visit to the Port of Barcelona
- Management of Port Terminals and Ship Loading Operations
- Organization and Operations of a Ro-Pax Vessel:
  - Stowing Operations
  - The Bridge
- e-Freight: Port Community System

### Languages

- English
- French
- Spanish
- Others (contact us)

### Location

On the route of a Ro-Pax vessel between Barcelona and Civitavecchia

### Duration

Four days

### Price per person

€ 550

Accommodation (double/triple cabins), meals and a guided tour to Rome are included. Individual cabins are available at an additional cost.

Prices subject to change. Contact us

\*Specific contents may vary for every course

### Case Study:

- Participants will need to solve a case study through collaborative team work





# SURCO Introduction



## Objective

To provide training in intermodal rail logistics for transport, logistics and international business professionals and students.

## Methodology

The course is taught through practical workshops and lectured classes using audiovisual materials as teaching aids. The classes are interactive and the students are encouraged to participate actively.

## Contents

### Lectures:

- Introduction to Railway Transport Logistics
- Intermodal Logistics
- European Transport Policy – 2011 White Paper
- Environmental Aspects
- Analysis of a Case Study

### Inland workshops:

- Visit to an Intermodal Terminal
- Visit to a Container Terminal
- Visit to a Vehicle Terminal
- Visit to ZAL - Logistics Activity Zone

### Languages

- English
- Spanish
- Others (contact us)

### Location

Barcelona

### Duration

Two days

### Price per person

€ 195

Prices subject to change. Contact us



# SURCO Operations



## Objective

To provide training in intermodal rail logistics integrated with maritime services to professionals and logistics, transport management and international business students.

## Methodology

In this course participants gain a complete view of the logistics zones and the way terminals work. Highly experienced professionals explain first-hand how operations are organised, managed and developed in such logistics infrastructures. The classes are interactive and the students are encouraged to participate actively.

## Contents

### Lectures:

- Introduction to Railway Transport Logistics
- Intermodal Logistics
- e-Freight: New Technologies at the Service of Transport
- European Transport Policy – 2011 White Paper
- Environmental Aspects
- Explanation of a Case Study
- Trans-European Transport Network (TEN-T)
- Competitive Analysis: Types of Operations and Comparison of Costs between Different Means of Transport

### Inland workshops:

- Visit to a Logistics area of a vehicle factory
- Visit to a Logistics Area of a Chemical Company
- Visit to a Railway Traffic Control Centre
- Visit to a Bulk Terminal
- Visit to a Vehicle Terminal

### Case Study:

- Participants will solve a case study in teams. It is based on a transport operation in which different transport alternatives are analysed.

### Languages

- English
- Spanish
- Others (contact us)

### Location

Barcelona

### Duration

Four days

### Price per person

€ 450

Prices subject to change. Contact us



# SURCO Management



## Objectives

- To offer a complete training in intermodal rail logistics and rail services for professionals and logistics, transport and international business students.
- To foster collaborative work and group cohesiveness as a method to optimise the development of logistics chains.

## Methodology

This course takes place on board of a train and participants get a complete view of rail terminals and ports, from a rail perspective. Faculty is composed of prestigious professionals from the sector, who explain first-hand how such logistics infrastructures are organised and managed, as well as how the operations function. The classes are interactive and the students are encouraged to participate actively. At the end of the course, successful participants will receive a diploma.

## Contents

### Lectures:

- Railway Transport Logistics
- Ports and Rail
- Railway and Sustainability. White Paper 2011
- Competitive Analysis: Types of Operations and Comparison of Costs between Different Means of Transport
- The Port's Network: Inland Terminals
- Rail-Maritime Services in the Ports
- Legislation, Contracting and Risk Management in Multimodal Transport

### Workshops:

- Railway composition: energy car and engine room
- Visits to different port terminals (with railway connections):
  - Vehicles
  - Containers
  - Dry bulks
  - General Cargo
- Visit to a Rail Terminal: Train reception and expedition

### Case Study:

- Participants will solve a case study in teams. It is based on a transport operation in which different transport alternatives are analysed. The teams will examine all needed investments to improve railway accessibility.

### Languages

- English
- French
- Spanish
- Others (contact us)

### Location

On board of a train on the route Bilbao—Santander or Gijón—Santander

### Duration

Three days

### Price per person

€ 1,250



# Collaborating partners



