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## IUC – INTER-UNIVERSITY CENTRE DUBROVNIK

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# ADRIAS PROJECT

## ARCHAEOLOGY OF ADRIATIC SHIPBUILDING AND SEAFARING

### 1<sup>st</sup> Course Workshop

## ARS NAUTICA - SEAFARING THROUGH THE AGES

7<sup>th</sup> – 14<sup>th</sup> June 2015

#### Course directors:

Dr. **Irena Radić Rossi**, University of Zadar

Dr. **Giulia Boetto**, CNRS – Université Aix-Marseille

PhD Candidate **José Luis Casabán**, Texas A&M University

The course will cover basic concepts of shipbuilding, including a glossary and an introduction to the history of wooden shipbuilding in Mediterranean, from the Iron Age to the post-mediaeval period. Through significant examples, students will be introduced to the basic concepts of nautical archaeology, from surveying, to building a shipwreck database, assessing each site, developing a diagnostic of the overall situation, for a body of water or a region, developing prognostics, and action plans. The theoretical part of the course workshop will be integrated through the fieldwork on the late 16<sup>th</sup> century shipwreck site in the bay of Sudurađ on the island of Šipan. The course figures as the introductory course for a series of courses dealing with specific arguments on the research, protection and preservation of maritime/nautical heritage.

# PROGRAMME

## Sunday, 7<sup>th</sup> June 2015

**Arrival of the participants**

## Monday, 8<sup>th</sup> June 2015

- 10:00            **Opening of the course workshop**
- 10:30            **Kick-off meeting of the AdriaS Project**
- Welcome speech
  - Presentation of the participants
  - Presentation of the AdriaS Project
  - Presentation of the work packages
  - Discussion
- 13:00            **IUC Welcome Reception**
- 14:00            **Departure for Šipán : 16th century shipwreck site excavation**

## Tuesday, 9<sup>th</sup> June 2015

- 9:00            ***Nautical archaeology at the Centre Camille Jullian and the Master of Maritime and Coastal Archaeology (MoMArch) at the Aix Marseille University (Aix-en-Provence, France)***  
Lecturer: Giulia Boetto
- 10:00            ***3D modelling in the Department of Naval Architecture and Ocean Engineering of the Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb***  
Lecturer: Smiljko Rudan
- 11:00            ***Photogrammetry applications in nautical archaeology***  
Lecturer: José Luis Casabán
- 12:30            **Departure for Šipán : 16<sup>th</sup> century shipwreck site excavation**

### Wednesday, 10<sup>th</sup> June 2015

- 9:00                    ***The Greek laced boats in Mediterranean***  
Lecturer: José Luis Casabán
- 10:00                    ***Shipbuilding traditions in the Adriatic Sea from bronze age to Roman time***  
Lecturer: Giulia Boetto
- 11:00                    ***The shipbuilding memory***  
Lecturers: Mariangela Nicolardi and Mauro Bondioli
- 12:30                    **Departure for Šipan**

### Thursday, 11<sup>th</sup> June 2015

- 9:00                    ***The Kyrenia Shipwreck***  
Lecturer: José Luis Casabán
- 10:00                    ***Ships in the Greco-Roman harbour of Neapolis (Naples)***  
Lecturer: Giulia Boetto
- 11:00                    ***Trstenik/Bay of Kaštela Roman shipwreck preliminary results***  
Lecturer: David Ruff
- 12:30                    **Departure for Šipan : 16<sup>th</sup> century shipwreck site excavation**

### Friday, 12<sup>th</sup> June 2015

- 9:00                    ***Working boats of the port of Rome: the Fiumicino and Isola Sacra shipwrecks***  
Lecturer: Giulia Boetto
- 10:00                    **The Serçe Limanı Shipwreck**  
Lecturer: José Luis Casabán
- 11:00                    ***The shipwrights' secret: sources and studies on Venetian shipbuilding from 13th to 16th century***  
Lecturer: Mariangela Nicolardi and Mauro Bondioli
- 12:30                    **Departure for Šipan : 16th century shipwreck site excavation**

## Saturday, 13<sup>th</sup> June 2015

- 9:00            ***Archaeological and historical perspectives on merchant shipwrecks' national identity: late 16th century Venetian ships case-study***  
Lecturers Mariangela Nicolardi and Mauro Bondioli
- 10:00           ***The account books of a merchant ship in late 16th century***  
Lecturers: Mariangela Nicolardi and Mauro Bondioli
- 11:00           ***Setting up an underwater research project in the field of nautical archaeology; administration, practice and procedures***  
Lecturer: Irena Radić Rossi
- 12:30           **Departure for Šipan** : 16th century shipwreck site excavation

## Sunday, 14<sup>th</sup> June 2015

**Departure from Dubrovnik**

**Important note:** Visitors are also welcome to participate in the lectures.



## ARCHAEOLOGY OF ADRIATIC SHIPBUILDING AND SEAFARING

### SUMMARY:

The aim of the AdriaS project is to enhance systematic interdisciplinary study and interpretation of the archaeological and historical record of shipbuilding and seafaring in the Eastern Adriatic. Its rich maritime history, seen through the technological development of wooden shipbuilding and seafaring and the dynamics that affected them over time, has not been systematically researched until recently, due to the lack of appropriate resources and the absence of a sound methodological basis.

The project considers the cognitive and practical sequences of the technological development of shipbuilding and seafaring, studying the relationship between technology on one hand and the political, economic and cultural/historical context on the other. It focuses on issues from all periods of the human past (Prehistory, Classical Antiquity, Middle Ages and Early Modern period) through active fieldwork, archival research and virtual reality experimentation. From the problematic histories of the Illyrian *lemboi* and Liburnian *liburnae*, to the complex issues of the large late Renaissance merchantmen, it provides a comprehensive overview of the past achievements, and introduces into Croatian research the systematic methodological approach to the study of the ships' hulls.

Taking into consideration global state-of-the-art practices in the fields of nautical archaeology and maritime history, the project aims to introduce cutting edge methodologies of study of ancient ships, their equipment and cargoes. It will foster an innovative interdisciplinary approach in the process of research, recording and interpretation of the most significant direct material evidence of the Eastern Adriatic maritime past, while promoting international collaboration and networking among young researchers. Such a research will have great potential for community outreach and wider public interest, especially through promoting project in public media as well as using new knowledge in Croatian touristic promotion.

### Duration:

1<sup>st</sup> June 2015 – 31<sup>st</sup> May 2019

### Principal investigator:

Dr. Irena Radić Rossi

### Team members:

Dr. Giulia Boetto, Centre Camille Jullian (CNRS – Université Aix-Marseille), Aix-en-Provence

Dr. Luka Boršić, Institute of Philosophy, Zagreb

José Luis Casabán, PhD Candidate, Texas A&M University, College Station (TX)

Suzana Čule, PhD Candidate, University of Zadar

Dr. Danijel Džino, Macquarie University, Sydney

Dr. Nikola Mišković, Faculty of Electronical Engineering and Computing, University of Zagreb

Marianela Nicolardi, PhD Candidate, Université Paris1 Panthéone-Sorbonne

Dr. Mate Parica, University of Zadar

Dr. Smiljko Rudan, Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb

David Ruff, PhD Candidate, Texas A&M University, College Station (TX)