



# Ca' Foscari University of Venice

**PROJECT ACRONYM AND TITLE:** DuraSoft- Innovative technologies to improve the durability of traditional wooden structures in socially and environmentally sensitive areas.

**FUNDING PROGRAMME:** INTERREG V-A ITALIA-SLOVENIA 2014-2020

**CALL:** BANDO 7/2019 - ASSE 1 - PR.INV. 1b - O.S. 1.1.

**SCIENTIFIC FIELDS:** Innovative green technologies

**HOST DEPARTMENT:** Department of Environmental Sciences, Informatics and Statistics

**SCIENTIFIC RESPONSIBLE:** Anna Volpi Ghirardini

**FINANCIAL DATA:**

Project total costs	Overall funding assigned to UNIVE
€ 360.451,17	€ 119.198,67

**ABSTRACT:**

Innovative technologies to improve the durability of traditional wooden structures in socially and environmentally sensitive areas.

Over millennia, in the Italian lagoons and in the Slovenian highlands, fishing and agro-pastoral activities have developed new structures for residential use. These structures are unique and the use of wood is predominant. Furthermore, other wooden infrastructures have also been built, such as, piers, moorings, piling and fences. The existence of these structures and the associated cultural baggage, however, depends on constant maintenance that is no longer economically sustainable. In fact, in damp and coastal environments the degradation of wood is massive and fast. Over the last century, impactful protection techniques and the use of unsuitable materials have been used to overcome this problem.

The project therefore aims to test some innovative techniques and products, developed and produced by the partners, which increase the durability of traditional wood species. The treated wood can be used in traditional constructions in socially and ecologically sensitive areas, rendering its use economically and environmentally sustainable within the Adriatic-Alpine area. The environmental compatibility of these techniques will be evaluated according to the most recent scientific knowledge - subject to protocols in use developed by the project partners - and will be transferred to the entire program area.

Planned Start date	Planned End date
01.03.2020	24 MONTHS

**PARTNERSHIP:**

<b>1. CONSIGLIO NAZIONALE DELLE RICERCHE (CNR), the Coordinator</b>	IT	<b>Coordinator</b>
<b>2. Univerza v Ljubljani</b>	SLO	<b>Partner</b>
<b>3. Istituto Nazionale di Oceanografia e di Geofisica Sperimentale - OGS</b>	IT	<b>Partner</b>
<b>4. Università Ca' Foscari Venezia</b>	IT	<b>Partner</b>
<b>5. Primorska gospodarska zbornica (PGZ)</b>	SLO	<b>Partner</b>
<b>6. SILVAPRODUKT podjetje za proizvodnjo in prodajo sredstev za zaščito materialov, d.o.o.</b>	SLO	<b>Partner</b>
<b>7. AGRITECO SOCIETÀ COOPERATIVA</b>	IT	<b>Partner</b>