



Università  
Ca' Foscari  
Venezia



ISTITUTO NAZIONALE  
DI OCEANOGRAFIA E DI GEOFISICA SPERIMENTALE



# **Master of Research in Science and Management of Climate Change**

Third Edition

# Master of Research in Science and Management of Climate Change

Third Edition

## A ONE-YEAR MASTER

Lectures: 320 hours

Labs and practical sessions: 50 hours

Internship: 250 hours

Total ECTS/CFU: 84

## CURRICULUM

The program is articulated in 6 common courses

- FOUNDATIONS - offered during the first term. In the second term students will choose a specialization in CLIMATE ECONOMICS AND FINANCE or CLIMATE MODELLING AND IMPACT ASSESSMENT.

### FOUNDATIONS

- Mathematical Modelling and Programming
- Statistics & Introduction to R
- Econometrics & Machine Learning
- Introduction to Climate Dynamics
- Environmental and Climate Economics
- Climate of the Past

### CLIMATE ECONOMICS AND FINANCE

- Decision Theory and Multi-criteria Analysis
- CGE and Integrated Assessment Modelling of Climate Change Impacts and Policies
- Applied Environmental Economics and Policy Evaluation
- Domestic and International Climate Policies
- Climate Finance

### CLIMATE MODELLING AND IMPACT ASSESSMENT

- Chemodynamics, Climate Change and Environmental Quality
- Ice Sheets and Glaciers in the Climate System
- Risk Assessment and Decision Support System for Environmental Impacts of Climate Change
- Adaptive Management of Natural Resources and Agricultural Systems
- Climate Damage Modelling and Assessment

## TEACHING COMMITTEE

Carlo Barbante, Stefano Battiston, Francesco Bosello, Lorenza Campagnolo, Carlo Carraro, Florence Colleoni, Andrea Critto, Shouro Dasgupta, Enrica De Cian, Silvio Giove, Carlo Giupponi, Arthur Hraat Essenfelder, Renata Lucchi, Irene Mammi, Antonio Marcomini, Malcolm Mistry, Jaroslav Mysiak, William Pasut, Ilaria Prosdociami, Andrea Torsello, Francesco Vona, Davide Zanchettin.

## COURSE COORDINATOR and DEPUTY COORDINATOR

Prof. Enrica De Cian, Dr. Malcolm Mistry

## COURSE PERIOD

September 2020 - August 2021

## LANGUAGE

English

## ADMISSION REQUIREMENTS SECOND LEVEL

To enroll in the Master's programme, candidates must be in possession of at least a second cycle, specialization or pre-reform (Italian Ministerial Decree no. 509/99) degree, or equivalent foreign university qualifications, following approval from the Teachers' Board. English language proficiency level of at least B2.

## COURSE FEES

Euros 6.000, in 2 instalments.

## COURSE LOCATION

Ca' Foscari Challenge School – Venezia Marghera (VEGA Parco Scientifico Tecnologico di Venezia - Edificio Porta dell'Innovazione) / San Giobbe Campus (Venezia)/via Torino Campus Scientifico

## STUDY SUPPORT

Where study grants are available to totally or partially cover the enrolment fees, up-to-date information is available on the Master's website. Loans are available from the University's partner banks.

For more information: [www.unive.it/pag/8560](http://www.unive.it/pag/8560).

[www.unive.it/climate](http://www.unive.it/climate)  
[phd-climate-change@unive.it](mailto:phd-climate-change@unive.it)