

## Career opportunities

Public and private companies operating in the evaluation, management, and reduction of risk from water-related and geological events: governmental and non-governmental environmental protection and management organisations, regional to local water authorities, reclamation/irrigation authorities, water resources engineering companies, insurance companies, risk modelling/assessment companies, UN, FAO, World Bank, research institutions and academia.



Floods, storms, and landslides affect billions of people globally and, in a changing climate, water-induced hazards will continue to be a critical challenge for our society. This Master's degree programme aims to form the new global leaders in hydrological, geological, and climate science and technology. Faculty from three Departments, ranking 23rd in the world in Water Resources Research, provide an interdisciplinary background and a strong theoretical preparation.



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA



## SECOND CYCLE DEGREE IN WATER AND GEOLOGICAL RISK ENGINEERING



[www.dicea.unipd.it](http://www.dicea.unipd.it)  
[didattica@dicea.unipd.it](mailto:didattica@dicea.unipd.it)  
@dicea.unipd

## Entry requirements

- **Bachelor's degree** (or higher) in Civil or Environmental or **Engineering or related fields**, with **proven skills** in Hydraulics and Solid Mechanics.
- English language: B2 level (CEFR) or equivalent

## Application

- 1st Call:  
2 November – 2 February
- 2nd Call:  
2 March – 2 June (Non-EU) / 2 September (EU)
- Application-fee:  
€ 30 (non-refundable)

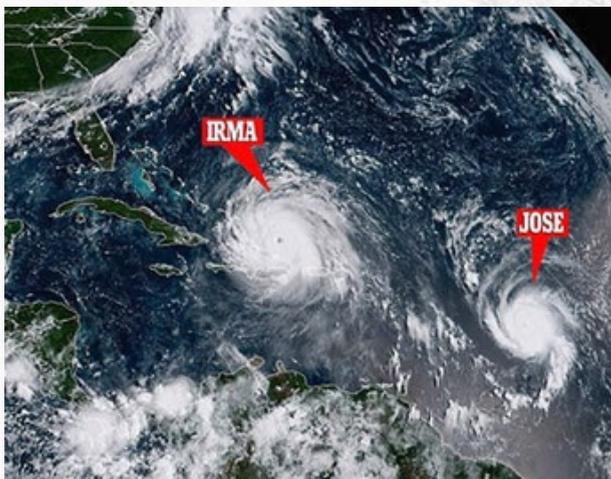
## Tuition fees and scholarships

Annual fees: up to € 2,600 (3 instalments)

Scholarships and fee-waivers for international students available:

[www.unipd.it/en/funding-and-fees](http://www.unipd.it/en/funding-and-fees)

[apply.unipd.it](http://apply.unipd.it)



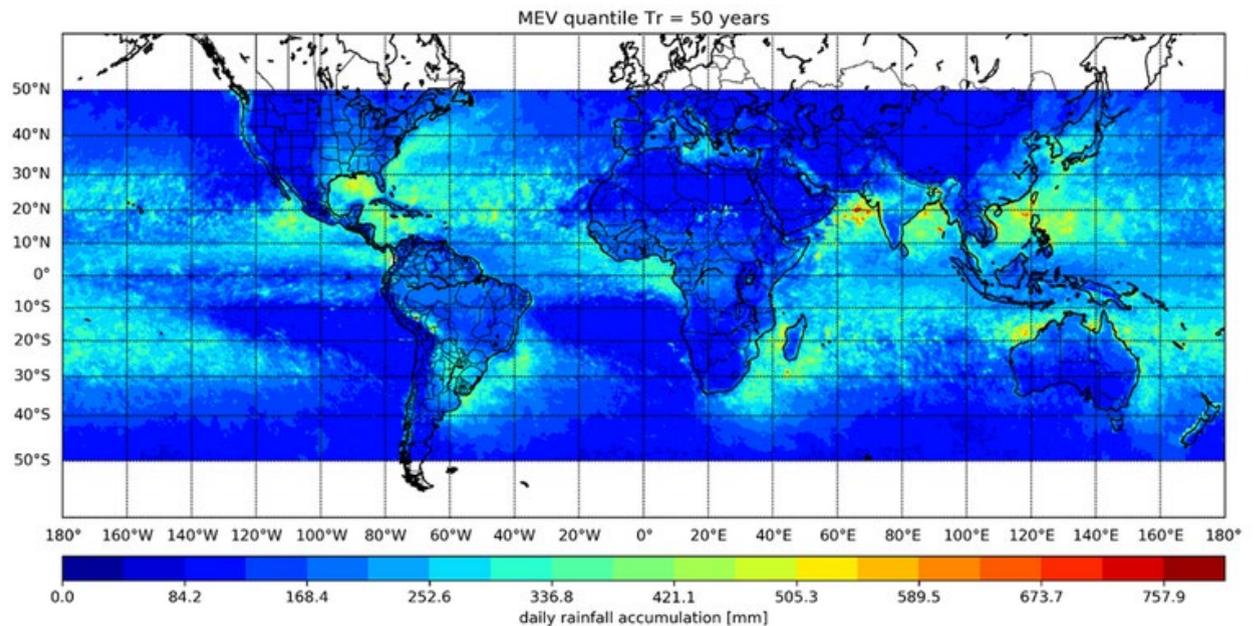
## Programme structure

### 1st Year

- Geological and Geotechnical Engineering
- River Hydraulics from the Hillslopes to the Estuary
- Hydrology and Climate: Modelling and Change
- Fluvial-Coastal Dynamics and Hazard
- Remote Sensing for Water Resources, Engineering Geomorphology
- River Basin modelling: Forecasting and Prediction
- Elective Course

### 2nd Year

- Water and Geological Risk Mitigation
- Drainage and Irrigation under a Changing Climate
- Vulnerability Analysis and Risk Management for Water-related Hazards
- Water Scarcity
- Agroecosystems and Pollutants
- Elective Course



Global extreme daily rainfall (satellite surveys).