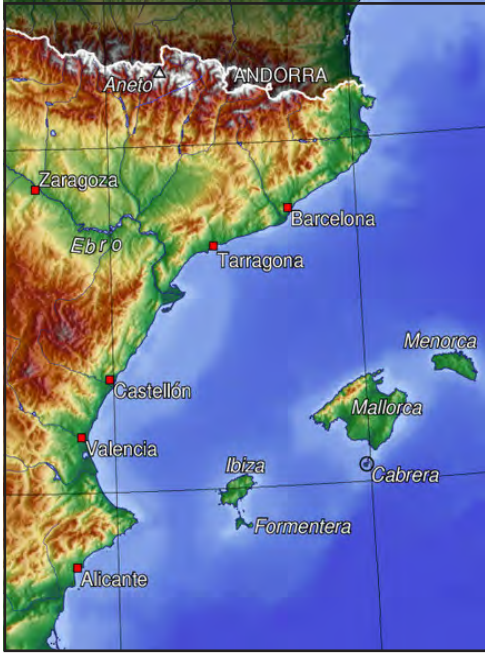


**World Water at UC Davis** is seeking **applications** for a National Science Foundation **International Research Experiences for Students** (IRES) program, in partnership with IHE Delft:



**Advanced Studies Institute** in  
**International Approaches to  
Groundwater and Drought  
Management**

**July 6 -20, 2024**  
**Davis CA, Catalonia,  
& Delft, the Netherlands**

**Participants:** 10-12 MS, PhD, or Law students doing research in water science, engineering, or management

**Awards:** **Awards will cover travel and program expenses, incl. travel to and within Europe.**

**Application Deadline: April 15, 2024**

**ASI Eligibility**

- Must be a MS, PhD, or Law student enrolled full-time in a US-based graduate program, including in fall of 2024.
- Must be doing research in a water-related field, with preference for groundwater science, engineering, or management.
- Must be available for the duration of ASI activities, including participation in the summative group project (see schedule).
- Must be a US citizen or documented permanent resident

**Why You Want to Attend:**

Water shortages are leading to growing societal impacts, including food insecurity, economic impacts, and are contributing to conflict and migration. "The search for solutions needs to draw upon the talents and innovative ideas of scientists, engineers, and societal leaders worldwide to overcome traditional and nationalistic paradigms that have so far been inadequate to meeting these challenges."

**To Apply:**

To begin an application, **visit: [tinyurl.com/cryncx5e](https://tinyurl.com/cryncx5e)**

You will be asked to enter information about yourself, including:

- A 200-300 word summary of your own research focus
- A 200-300 word statement of your interest in water management
- A 200-300 word statement about international collaborative science

In addition, you will be asked to send:

- An unofficial copy of your most recent academic transcript
- Arrange for a nomination letter sent by your primary research advisor

**Advanced Studies Institute in  
International Approaches  
to Groundwater and  
Drought Management**

2024	Activities
July 6	Arrive Sacramento/Davis
July 7-8	<b>Pre-Institute:</b> Central Valley aquifer system sustainable management field tour
July 9	Depart Sacramento Airport
July 10	Arrive Barcelona Museu Agbar de les Aigües
July 11-13	3.5-day field excursion through Catalonia Students will explore groundwater and drought management strategies in Spain and the EU Fly Barcelona - Rotterdam
July 14	Rest day in Delft
July 15	Sustainable management of water resources and ecosystems in international river basins, and the challenges of coping with hydrological extremes. Case studies from groundwater basins with a transboundary focus will be presented and discussed in small working groups.
July 16	International approaches to drought Issues. Drought and water scarcity, drought and groundwater, concepts of drought risk assessment and drought management. Challenges from a climate change perspective
July 17	Field trip to the Amsterdamse Waterleidingduinen; Managed Aquifer Recharge in dunes, with presentations by Watemet
July 18	Groundwater resources and territory planning in a water-limited world: law, public policy and regulation, as well as institutional aspects and stakeholder involvement.
July 19	The <b>Post-Institute</b> will involve student analysis leading to a synthesis comparing and contrasting regional paradigms in drought and groundwater management. This synthesis will result in a content-rich, public-facing website and preparation of an European Geophysical Union poster.
July 20	Fly Amsterdam - USA

**For interest in the Delft-based Summer School only (July 15-19, 2024),** please contact UCD or IHE directly (NSF funding not available: tuition and/or fees may apply)

**Future UC Davis-IHE Institute:** 2025: Freshwater ecosystems in a climate of growing extremes

