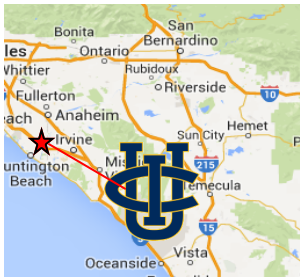


Findings are presented from the evaluation of the usefulness and impact of the 2013 UPP Down Under Program.

2013 UPP Down Under Program

Twelve undergraduate students attended the Summer 2013 UPP Down Under Program held at UC Irvine, University of Melbourne, and Monash University.

- ◇ **UCI Week 1:** Student Orientation and lectures on climate change, economics and governance, wastewater treatment and reuse, and stormwater capture and reuse.
- ◇ **Australia Weeks 2-3:** Field excursions to wastewater stabilization pond, treatment wetlands, biofilters, and a mini-symposium on stormwater management.
- ◇ **UCI Weeks 4-6:** Presentations on microbial pathogens, analysis tools, sustainability and visit to Scripps Institution of Oceanography.



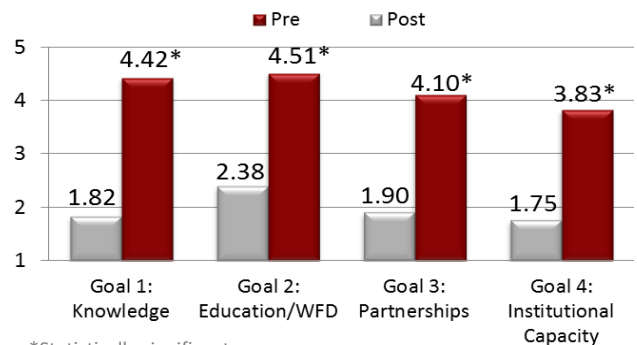
PROJECT GOALS

- Goal 1: Knowledge/Research
- Goal 2: Education/Workforce Development
- Goal 3: Partnerships
- Goal 4: Institutional Capacity

Achievement of Project Goals

Participants reported statistically significant increases in impact ratings across all four goals. Greatest growth was experienced in participants' understanding of sustainable urban water systems (Goal 1) including:

- ◆ Low-energy approaches for removing pollutants.
- ◆ Low-energy treatment technology.
- ◆ Distributed approaches for capturing and reusing



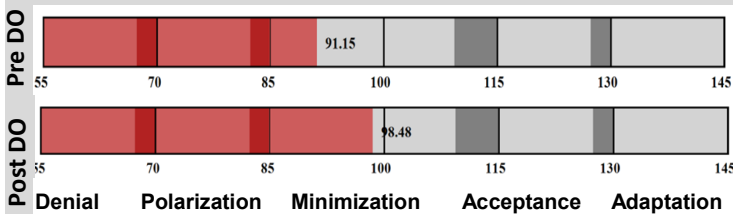
Intercultural Development Inventory (IDI)

All 12 undergraduates completed a pre/post IDI to assess growth in perceived (PO) and developmental (DO) cultural orientation.

PO = How they rate their own level of intercultural competence

DO = Their actual level of intercultural competence

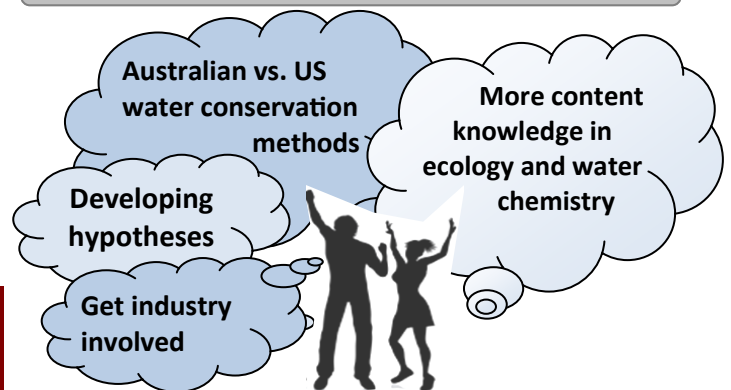
- ◆ The post-survey gap between students' PO (123.25) and DO (98.48) remained large despite participating in the Research Abroad Experience.
- ◆ However, the increase between pre-DO and post-DO ratings indicates students learned how to navigate more complex intercultural interactions but did not acquire intercultural acceptance or adaptation.



UPP Down Under Program Recommendations

- ◇ Increase organization and advance planning of both application process and overall program.
- ◇ Increase preparation for fieldwork days.
- ◇ Increase knowledge of careers in urban water sustainability.
- ◇ Foster collaborations and interactions with SCCWRP, governmental researchers, and Australian researchers.

Additional Topics Requested by Students



Upcoming Evaluation Activities

- Evaluation of the CASQA meeting.
- Pre/Post IDI to students who participate in Fall and Winter Research Abroad Experiences.