



# **Irrigation Team Project Proposal**

# Project Background

**Participants:** Nalin Jayaswal, Kentaro Matsunaga, Sophie Rockefeller, Hailey Sarmiento, Abby Giardina, Gabby Bates

**Stakeholders:** Greg Luna, Justin Wisor

**Background:** As UCLA reduces its water footprint, data on current irrigation use is needed in order to determine the full scope of benefits for the transition to native landscaping.

**Project Description:** Investigating various irrigation types on campus and their corresponding water use savings.



# Research Plan and Deliverables

## Sources of information



- UCLA Facilities staff members
- Local native plant experts
- Irrigation manufacturer's data

## Areas of interest



- Water use of current irrigation systems at potential conversion sites
- Water usage of various native plants post turf-conversion
- Costs of turf conversion

## Deliverables



- Reference table of current water usage estimates for various irrigation types
- Reference table of future water usage estimates by Landscape Zones
- Cost-benefit analysis of turf conversion per square foot
- Summary of the non-monetary benefits of turf conversion and native plant installation