



# CCFC FINAL PROJECT

## Final Project Description:

Some benevolent group (e.g., Gates Foundation, Bechtel Foundation, etc.) has asked for proposals from groups of 3-4 students on how to help California respond to the challenges of climate change. The proposal should not attempt to solve all problems, but it needs to address a significant issue directly related to climate change adaptation and/or mitigation. These problems can be scientific, technical, or social. Your group could be the lucky winner and make a difference! As the final group project for our class, your assignment is to write a grant proposal to the foundation. We will feature three 'winning' proposals on the course website at the end of the semester.

Groups will be assigned in discussion section based on shared student interests.

## Your proposal will include the following elements:

1. **An initial short oral presentation** in section on April 20<sup>th</sup> / 21<sup>st</sup>. Presentations should not exceed 5 minutes per group. You will be responsible for defining the problem, the current status, and your proposal. There will be a ~5 minute Q&A after each presentation. This will also be an opportunity to get feedback from your peers. *(2 points, 1 individual and 1 group)* (Additional detail will be provided in section the week before)
2. **A final written report** *(7 group points total)* that includes:
  - a. **A problem statement** *(0.5 pt)*: a short description of the problem you are trying to solve and why a failure to solve it could damage the future of California. This statement must be *specific*. For example, it is not acceptable to simply say "more droughts" unless your proposal will realistically tackle the problem of reducing the intensity of drought. Instead, you could say, "decreased potable water available in Southern California." You must also justify the scope and intensity of the specific problem(s) you will be addressing using published governmental or scientific reports. One page.
  - b. **Current status** *(1 pts)*: a summary and critical evaluation of current work being conducted by governmental, academic, or other organizations to address your problem. This section should address the status quo (what's being done already) and should critically address the potential efficacy of these projects in relation to your proposal. You should document *at least* two projects underway to address your stated problem, or if you

cannot find information about two projects, then document your efforts to identify such projects. One page.

- c. **Proposed action (3 pts):** What would you do to help solve the problem you've identified? Provide a detailed and cohesive plan describing your specific solution and the steps necessary to implement it. As part of your problem statement and proposed action, it is important to identify whether you are addressing climate change mitigation vs. adaptation, or if your proposed project has co-benefits that address both aspects. Topics you discuss should include, but are not limited to: Who are the major stakeholders involved? How will you engage with preexisting work to tackle this problem? Three pages.
  - d. **Feasibility Statement (1 pt):** Is your plan realistic? Identify the procedural implementation problems and the channels to address these. Which level(s) of government will you use to address the problem? Which governmental agencies would your solution require permits from or collaboration with? What are the potential risks of your project? Is there available technology to address the problem? To the extent possible, estimate the costs of your project, or at least the aspects of the project which would likely be most expensive, and who would likely bear these costs (local government, state government, a utility, like PG&E, etc.). You will not be graded on whether you get these costs right, but we want you to show that you have thought about the cost and who would most likely need to, or be in the best position, to pay. One page.
  - e. **Outcomes (1 pt):** How would things change if you were to succeed? Be specific about aspects like reductions in greenhouse gases, reductions in water use, protection of ecosystems, human wellbeing, etc. One page.
  - f. **Bibliography (0.5 pt):** a thorough and correctly formatted list of sources referenced in the report. Please refer to [the APA guidelines](#) available on the UC Berkeley library website.
3. **A final PowerPoint presentation** during RRR week that communicates the main elements in your report, 10 minutes long. (3 points, 2 group and 1 individual)
  4. **An individual reflection** of your contribution to the project. What elements were you responsible for? What methods did you use to produce these elements? 1 page. (2 individual points)

Seek out feedback:

Each group is required to meet with their respective GSI at least once during this process (*1 individual point*) and is highly encouraged to reach out to one or more of the professors as well (especially whoever has lectured on topics most closely related to your proposal).

Formatting Guidelines:

Please format your report with 1-inch margins, 12-point font, single-spaced, in a standard font such as Times New Roman or Cambria. Reports with formatting clearly designed to fit either more or less text on a page will be penalized.