

IPRO 331

Global Warming and Community Outreach

Dr. Peter Lykos (*Faculty Advisor*)

Carol DeBiak (*Science & Engineering Librarian*)

Team Members

Rohan Amin

Suraj Chandrasekar

Trevor Dickson

Ravi Iyengar

Amber Juilfs

Thomas Kennedy

Lexie Manke

Natalie Mikosz

Harshil Parikh

Yosra Shaaban

Illinois Institute of Technology

Overarching Standard

This team's most important problem is to determine how to create a more effective and concise presentation while still addressing the large amount of scientific areas of research focusing on global warming. The second problem we are addressing is to broaden the team's audiences from high schools to other groups in the Chicago-land area, including (but not limited to) community centers, churches, libraries, museum, non-profit organizations, and more.

The ethics for our project are based off of acquiring knowledge and using that knowledge to present to others who are not experts on the topic of Global Warming. In regards to the first problem, our members are ethically bound to tell the truth of what information they have found and to give credit to the people who performed the research to find said information. They must not mislead audiences by leaving out key scientific facts, or filling the presentation with opinions. Also, they must not speak of fabricated ideas or facts. In regards to the second problem, our members must treat our contacts with respect and refrain from extortion in order to further our goal of achieving audiences to speak to. Also, they must uphold vocal contracts made by following through on they days they agree to present to an audience.

The Law

Cannon: The team will work to ensure that all sources are credited correctly and to ensure that all facts gathered during the study will be truthful and reliable.

Pressure: To reap credit from someone else's work.

Pressure: To complete the study by the preset deadline.

Risk: Receiving a poor grade in the course, fail completely, or be removed as a student of IIT due to plagiarism.

Risk: Prosecution by federal officers due to infringement of copyright laws.

Measure: Group members are responsible to ensure that other team members are giving due credit to the scientists and journalists they took information from.

Contracts and Agreements

Cannon: To abide by the terms of the agreement with members of the community involved in the outreach presentations.

Pressure: To remain on topic while discussing the known facts on Global Warming.

Risk: Sources of information during research might have bias opinions that are presented during outreach.

Risk: Presenting thoughts and opinions on Global Warming rather than facts.

Measure: Group members are to be responsible for checking that their sources of research are credible and factually based. Also, adequate time must be given to groups to carefully prepare presentations and to ensure that they are factual in content and concise within the topic concerning each group.

Professional Codes of Ethics

Cannon: Group members are to keep their views objective and to remove our feelings from our work within the group and from our presentations.

Pressure: To exclude or twist facts to promote his/her own ideas.

Risk: The team becomes discredited.

Risk: Failure to present factual data to audiences may cause inaccurate knowledge in our audiences.

Measure: Several group members are working together on the same topic, ensuring that information isn't fabricated or excluded.

Industry Standards

Cannon: Group members are striving to use unbiased, scientific information from credible sources as well as refraining from using political or economical views in their presentation.

Pressure: To complete the presentation on time, a team member may use any information without evaluating its credibility.

Pressure: To influence others by presenting opinions and only one-sided arguments.

Risk: Failure to present factual data to audiences may cause inaccurate knowledge in our audiences.

Risk: The audience may be dissuaded to listen to actual facts when originally presented with an opinion or biased statement.

Measure: The team leader of each subgroup has the responsibility to keep team members honest.

Social, Civic, and Geographic Communities

Cannon: We must present important and relevant facts on topics involving Global Warming in order to educate people within the community.

Pressure: Finding people within the community interested in Global Warming awareness.

Risk: Presenting to members of the community who are either indifferent to Global Warming or already have knowledge regarding the topics being discussed.

Risk: Outreach presentations will not reach enough people to create a greater awareness within the community.

Measure: Group members and others involved in the program are making an effort throughout the process to find people within the community who are interested in Global Warming. Because schools are likely places for Global Warming outreach programs to be successful, this is where the majority of effort will be directed.

Personal Relationships

Cannon: All members of the group as well as members of the community are to maintain honest and respectful communication and professional conduct.

Pressure: Individuals who want their work to look professional and complete.

Risk: A group member may hide sources of non-credible information in order to their portion of the presentation.

Risk: A group member may unfairly criticize work done by others to make their own work look better.

Measure: There is a team leader in each group who is to promote honest communication within the group. Team leaders will also encourage people to bring complaints or concerns about other group members to another person with authority over the group.

Moral and Spiritual Values

Cannon: Team members are not required to violate personal, moral, or religious values for the betterment of the team.

Pressure: The team meets every Sunday to work on the presentation.

Risk: A member of the team compromises their religious values by missing church service to be with their group.

Risk: Requiring a team member to cancel personal or family plans in order to work on the presentation.

Measure: The team leader will provide an open environment by which the team members may clearly communicate any personal, moral, or religious values that could be threatened by the project. Forum Team leaders are responsible for making fair compromises that satisfy everyone's personal values.