



LiA Project Outline (part A)

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Your full name and University of affiliation

Full name: Chan Yik Hei (Marco)

University: The University of Hong Kong

University contact

Your key contact or supervisor at your University

Full name: Dr Edmund Chun Ming Tse

Department: Department of Chemistry

Email address: ecmtse@hku.hk

Title of your LiA project

Climate Change and Its Social Impact

The organisation/charity you are working with

make_sense

Organisation/charity contact

Your key contact (supervisor) at the organisation/charity

Full name: Brenda Sañudo

Email address: brenda@makesense.org

The need or cause you are supporting

What is the specific problem, cause or opportunity you are exploring?

Mercer et al. (2012) predicted that the average temperature in Mexico will rise by 1.1 to 3.0 °C before 2060. This phenomenon would lead to many environmental drawbacks, such as more severe storms, water shortages, and biodiversity loss. Therefore, this project aims to take action to tackle climate change in Mexico City.

Reference:

Mercer, K. L., Perales, H. R., & Wainwright, J. D. (2012). Climate change and the transgenic adaptation strategy: Smallholder livelihoods, climate justice, and maize

landraces in Mexico. *Global Environmental Change*, 22(2), 495-504.

Goal

What is the big-picture idea/vision and desired outcome of what your LiA project is trying to achieve in order to address the need or problem above?

1. Partner with NGOs and companies to lead a group of volunteers to take concrete actions to mitigate the negative impacts of climate change.
2. Promote the awareness of the three R's: Reduce, Reuse, and Recycle across the community.
3. Understand the primary cause of climate change in Mexico City.

Objectives

These represent how you will achieve your goal. Write down three to five SMART objectives outlining how you will achieve the overall goal.

1. Invite speakers to deliver talks about the water shortage in Mexico and promote renewable energies.
2. Design and implement games and workshops on waste reuse and recycling.
3. Organize beach or lake clean-up events.
4. Collaborate with key opinion leaders (KOLs) on social media to advertise the importance of climate change and what everyday actions individuals can do to alleviate it.
5. Research on which industrial sector is the main contributor to greenhouse gas emissions in Mexico City.

List any challenges, barriers or risks to achieving your objectives

- Difficulty finding a suitable speaker: It could be challenging to look for environmental experts specialising in the above topics. Even if we have targeted some potential speakers, they might reject our invitation.
- The participation rate of the games, workshops, and other events may be too low, and we need to cancel them.
- Time constraint: Given that this LiA Project is only six weeks, we might not have enough time to implement all the plans.
- Budget constraint: Our budget is limited, and thus we could not satisfy the funding and resources required to implement our plans.
- Language barrier: The native language in Mexico is Spanish, which I am not very fluent in it. If we only use English in our materials, the public's interest towards them might be lower.

Ideas to overcome barriers or challenges

- To find a suitable speaker, we could widen our search and reach out to more experts in the field of climate change. Apart from NGOs, we can try contacting professors in Mexico City who have research interests in these topics. We could also consider partnering with other companies having connections to environmental experts.
- To increase participation rates in our events, we could offer incentives or prizes for those who attend. We could also promote the events more extensively through social media and leaflets.
- As for time constraints, we could prioritize the most crucial objectives and activities and allocate our time and resources accordingly. We could also consider recruiting more volunteers to help with the project.
- To deal with budget constraints, we could seek additional funding through grants or sponsorships from companies aligning with our cause. We could also reduce costs by using more sustainable and eco-friendly materials.
- To tackle the language barrier, we could work with local volunteers in Mexico City to help translate between English and Spanish. Dual language in English and Spanish in our materials could ensure they are accessible to the general public.

Milestones per week

What are the significant activities/objectives of the LiA project outlined by week?
Please provide dates.

My Milestones

Aa Week	📅 Start date	☰ Milestones	☰ Details
<u>1</u>	@July 10, 2023	Inspiration week	Immersing in the Mexican culture and getting to know the main challenges of this country.
<u>2</u>	@July 17, 2023	Action week	Add-up actions and strengthen leadership abilities.
<u>3</u>	@July 24, 2023	Research and training	Defining the problem and research solutions.
<u>4</u>	@July 31, 2023	Building the program and communicating	Defining goals and solutions, strategic planning, and welcoming volunteers.
<u>5</u>	@August 7, 2023	Reacting and evaluating	Working on the re_action project with organizations and volunteers.
<u>6</u>	@August 14, 2023	Reacting and evaluating	Wrap-up project results and program closure.