

Climate Action Project (CAP) by Altea team.

From the initial concept to the development of all stages of the CAP, as the Altea team, we have been in charge of planning, managing, organizing, evaluating, integrating, budgeting, designing and building a *positive action project*, with the mission of applying effective solutions to combat the challenges of urbanization, soil, water and air pollution, loss of biodiversity and culture, productive processes with emissions and waste from industrial, agricultural, transportation and food chain activities and their derivatives, with effects on the environment, through **ingenious and sustainable strategies** that add value and support the profitability of your investment, in order to mitigate the undesirable socio-environmental impacts that we have identified in our region throughout our participation in the Project Green Challenge; To achieve this, during the last few months, we have laid the groundwork to found the “**Laboratorio Universitario de Uso Medioambiental**”, **LU'UM**" (a Mayan word meaning "sacred land" or "planet we inhabit"), which will be a sustainable and interdisciplinary space, located at the Anahuac Mayab University, based on the Solares Mayas, which are an integral system of resource management in the communities, which develops the socioeconomic and cultural model of the Mayan families and covers all their needs and productive activities for the common benefit with a positive impact on their ecosystems, Therefore, we seek to take these characteristics and adapt them to our university community, by efficiently mobilizing all possible resources with production, management, extraction, research, technology development, experimentation and sustainable recreation, involving several areas for its effective operation, so we decided to focus on creating an active network of allies who work together with us to achieve great results.

The *main objective* was to create a community of people interested in **taking action to solve environmental problems**, from the economic and social point of view, creating programs that stimulate and achieve the highest level of collaboration, through self-sufficiency and sustainability, as well as promoting education and knowledge of these issues, From that, we established the policies of our Altea team, which reflect the principles of action, in relation to our main idea, followed by an analysis of the risk factors, looking for all the measures to be adopted to continue with the development of the project with a more **united and enthusiastic group**.

Taking into account that the project is of great magnitude and with long-term projection, we have implemented an *execution scheme through phases*, which were based on our calendar of activities with *established deadlines and those responsible for each task, in order to achieve each of our goals*. First, we opened a subject called "Interdisciplinary Elective Block Workshop" in our university, which we named “**Diseño y construcción de espacios sostenibles**”, which we managed with the support of various departments of the school, which helped us get a teacher who could help us teach and guide us throughout the semester to culminate the workshop with our first **sustainable space**: an urban vegetable garden made by the students. Then we focused on dissemination, visiting several classrooms to introduce ourselves to our peers (students and teachers of all careers), as participants of the PGC, exposing our project and intention to create sustainable spaces in our school in the short, medium and long term, inviting them to be part of our activities and join our community, in addition, to achieve **strategic alliances**, we presented ourselves at an international congress organized by the government of our state, to make ourselves known to different organizations and entrepreneurs who are interested in collaborating with us, we organized outings and agreements, we consolidated the project proposal and finally, we were able to carry out several activities with our university community that helped the development of the project and operation of the workshop.

Currently, our subject is consolidated by 18 students from various careers, in addition, we managed to continue teaching our workshops at the Universidad Anahuac Mayab, every semester,

where new groups of students can be integrated, in addition, we are working with several people from different disciplines who contribute their experience, knowledge, interest and support to our project, among them, the area of incubation and entrepreneurship, the Division of Engineering and Exact Sciences, the school of tourism and Gastronomy le Cordon Bleu and the institutions LINNCO, TecniA, FHDMM of the school, also, we managed to give talks and workshops external to our subject, with more than 50 students interested in our project, besides we managed to consolidate our urban garden and different agreements and alliances external to the university; however, *we came across several obstacles* because we did not expect that the way to implement activities in the university facilities would be so difficult due to the bureaucracy and diplomacy of the institution, which made it difficult for us to build the garden in ka'anches in the previous months, however, *we decided to solve* it by making gardens in containers that we later moved to our homes to maintain them, after a board meeting to be held on April 20 with university departments that have common goals with us, we will be granted permission so that upon returning from this vacation period, we can integrate our garden into the university permanently, as an initial phase of LU'UM.

Reflected on our entire trajectory achieving to be finalist contestants of the PGC, representing the University, Mexico and Latin America as a team, which has been a new experience, in which we have gone through several events that have added to our knowledge and judgment for us as environmental engineering students, to take our convictions further, presenting a project that inspires us to continue creating more solutions that contribute to the mitigation of climate change and impacting society, *which makes us feel very proud of the altea team*, We learned that each person can contribute something from their skills, their way of working and their knowledge and also continue impacting more people and consolidating different projects that are related to our objectives over time, another key learning that we take away is that everything takes time and requires organization and commitment, since being young people wanting to achieve significant changes, we need proper planning to open the doors to carry out our proposals, as this is a project that seeks to remain active.

Our project has a *positive ongoing impact*, as it will not only meet the immediate needs of a university with international presence, but will also **ensure continuity and permanence of our allied community** for current and future generations, as we are confident that this space will not only be an asset for our university and those involved, but will also provide significant benefits to the environment, establishing a mechanism for continuous improvement and efficient management of resources, maintaining the regenerative capacity and integrity of the ecosystems on which we all depend, as well as improving the quality of life and the public image of the various private and public institutions, in recognition of the broad spectrum of their uses and values, with a common framework of action that guarantees sustainability as the most important aspect in investment projects, by having external advisors to the working group who can independently evaluate the total or partial fulfillment of a specific objective, with benefits over time.