Rocoso, the Ecology Center for Balandra beach will. The design concept was inspired by diagonals and mountains near the site. The design intent for this project is to use the idea of mountains to and to blend in with the outline of the mountains in the background. The materials on the roof and walls will in time blend into the rocky landscape.

What the site has provided, classrooms are closer towards the greenary and the marsh to allow students to interact and observe with the ecosystem. The ecological center will provide many outdoor areas and activities, creating a cohesive park where people are able to visit and study the ecology of the beach. Outdoor spaces mainly focusing on observing the interactions of flora and fauna. The center will offer the exhibition area, a cafe that will be accessible to open courtyard space and the amphitheater.

The landscape on the site allows parking for visitors for the Ecology Center and for casual visitors for the beach. Surrounded by rocky hills and mountains that visitors climb or hike on, wind flow coming from the Northwest direction. The beach has very shallow water. Existing marsh land. The water in the marsh flows directly into the ocean as it is connected to the beach.

New flora garden areas are also planted as it will provide more greenery for the site and habitats for native species.

New addition to the site that the center will provide is a docking near the marsh.

The center will also have additional flora landscaping that will provide habitats for native species, reinforcing a diverse ecosystem.

Eco-friendly materials for the structure will be local materials such as hemp concrete for sustainability and creating super insulated walls so it can resist the climate of Baja California. The major factor is the high temperatures and keeping the walls and roof insulated is a way to keep the building cool and reduce less energy in the Summer. Metal Columns to reinforce and to withstand the heavy roofing. Floors will be polished concrete as it is durable and will also reduce energy heating and cooling through thermal mass. Classrooms, storages, and offices will have recycled rubber and plastic floorings.
Roofing will be heavily insulated and white metal paneling over the roof to reflect the excessive sunlight. Roof shades entirely during the Summer and Spring daytime. Balandra beach average temperature in the winter are mid 60's to 70's. This will reduce most of the energy used for the geo thermal. Most sun will be entering from the skylight which are filtered by layers of the ceiling.

Thin film PV roofing, parking lot shading, and skylight glazing for generating the main source of electricity.

Geothermal used for cooling and heating, double glazed windows, and operable awning windows on the curtain walls for ventilation in the cooler seasons.

For water conservation there will be a collective rain water storage and bathrooms will have low-flush toilets to reduce water usage.