

# My entry to the Cotswold Challenge

Ben Waldron



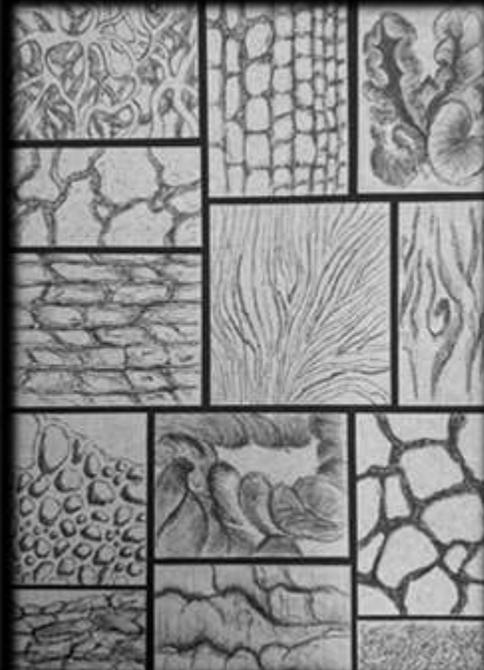
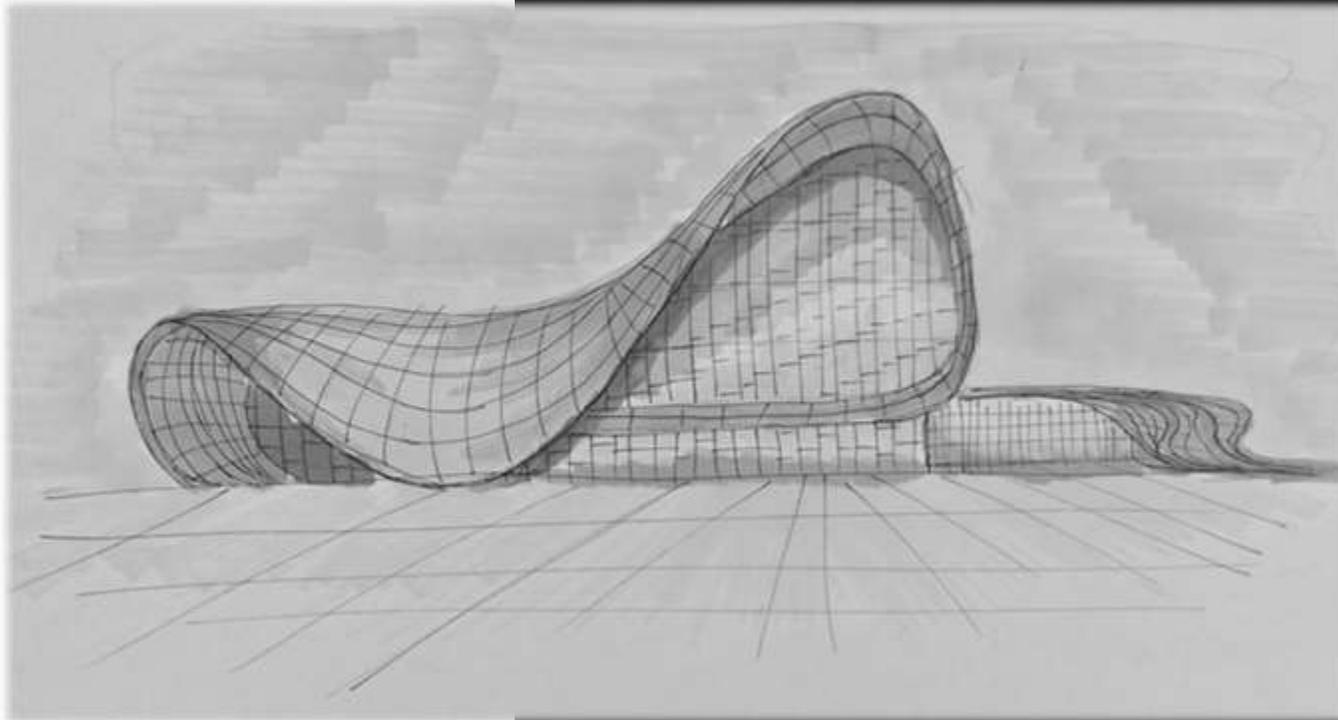
# Biotica

A nature-themed architectural concept that promotes harmony between mankind and the natural environment.

# Inspiration for the Design

## Design Brief

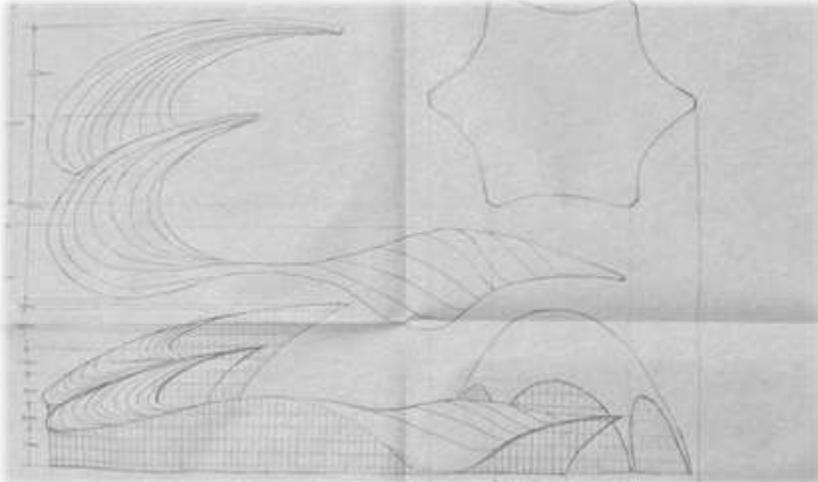
I wanted to design and produce an architectural model for a nature-based attraction situated in London, Greenwich. The building would serve as an informative attraction which exposes the harsh reality of humanitarian impact on nature through a range of exhibits and experiences. I used the theme of 'organic' when producing a range of observational drawings that helped inspire my ideas for the design.





# Design Location and Concept

I next produced an orthographic drawing of the design which I used to help create an accurate concept model of the design. I was then able to identify the strengths of the design and the areas that required improvement.



I produced the above site plan for the design to show exactly where it would be located and how it could improve the local area.

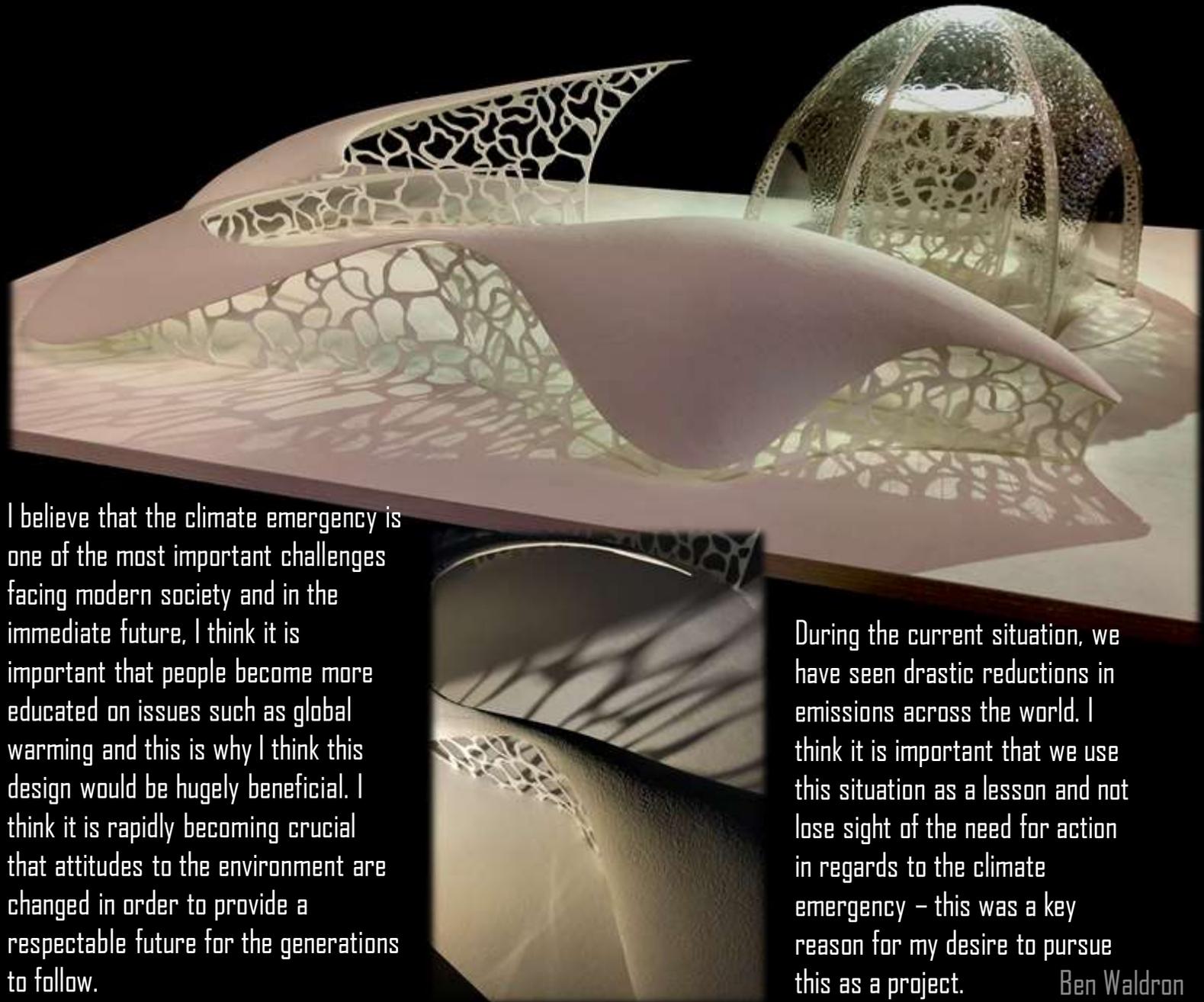
Using the landfill site on the west side of the Greenwich peninsula, the design would consist of a biosphere simulating tropical conditions accompanied by an outdoor event space and exhibition that would educate visitors on environmental issues.

The interior of the dome would be air sealed so that a perfect carbon cycle environment could be created. What I mean by this is that the visitors and plant life

would be entirely reliant on each other. The people would be reliant on the plants for oxygen and the plants would be reliant on the humans for carbon dioxide – this would enable a real eco-system to be created that individuals could become a vital part of. I think the idea is original and unique as it differs from other similar attractions such as the Eden project due to the way in which it not only exhibits rare and wonderful plants, but also shows the reliance man has on the natural world.

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# Final Design



I believe that the climate emergency is one of the most important challenges facing modern society and in the immediate future, I think it is important that people become more educated on issues such as global warming and this is why I think this design would be hugely beneficial. I think it is rapidly becoming crucial that attitudes to the environment are changed in order to provide a respectable future for the generations to follow.

During the current situation, we have seen drastic reductions in emissions across the world. I think it is important that we use this situation as a lesson and not lose sight of the need for action in regards to the climate emergency – this was a key reason for my desire to pursue this as a project.

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