

Introduction

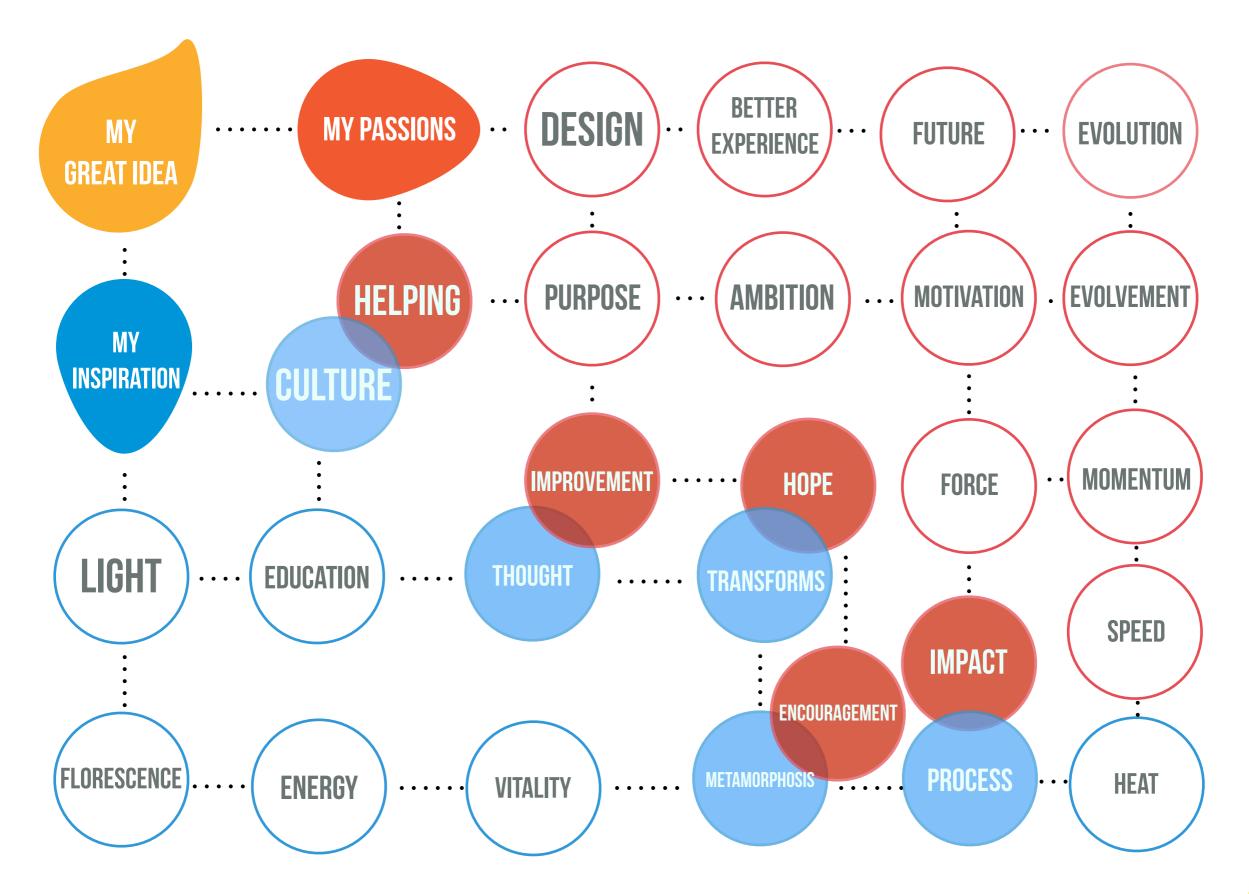
Cooking has become a daily part of most people's lives. It can take five minutes if we are in rush or hours if we are feeling creative. In most developing countries, cooking is an everyday challenge because most of the people don't have the technology to cook in a more efficient and save way. This invention focuses its research on the use of using a cook stove in Equatorial Guinea. This process helps to understand not only the user needs but also their broader context that shapes their lives.

Contents

.....4 Light Inspiration Brief8 User ····· Research¹³ Sketches ····· Process Concept

escenario









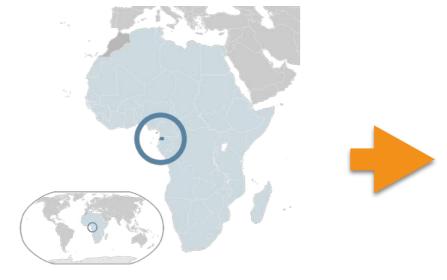
Overview ...

Equatorial Guinea is a very small country located in the West Cost of Equatorial Africa. Their capital which is Malabo is the only entrance to the country (Island). Countries that border Equatorial Guinea are not allow to cross the border through land. People over here speak Spanish and other native african language such as Fan.





Location



West Coast of Equatorial Africa



Dictatorship

Demography



600,000 people





Spanish

Main Food



Cassava Root, banana, rice, and yams.









During my trip to Equatorial Guinea, I had the opportunity to travel to different small towns inside the country—Bata, Niefang, Nkumekie, and Ebebiyin. Our goal on this trip was to provided medicine and a brief health consultation for communities in need. I was able to observed their daily life and the chance to talk to some of them regarding their goals, fears, and motivations.











Cooking in a developing country...

The limited access to power sources such as electricity and natural gas limits their available methods for cooking. The use of charcoal is the next best option but due to the cost of it, sometimes they need to turn to wood that they can collect. For this reason, cooking in many developing countries is an endeavor that is both time—consuming and dangerous.



Not enough light at night



Breathing the smoke



Risk of fires



Risk of burning their body





" COOKING TAKES MY ENTIRE DAY"

"I USE MORE THAN ONE STOVE WHEN I COOK"

"CHARCOAL IS GOOD WHEN I CAN AFFORD IT"

"THE SMOKE OF THE FIRE MAKES ME COUGH AND MY

EYES BURN"

"I HAVE TO COOK INSIDE MY HOUSE IF IT RAINS"

"IT'S MUCH DIFFICULT TO COOK AT NIGHT"

"I DON'T HAVE ELECTRICITY"





"Devising the perfect stove could prevent one and a half million deaths a year in developing countries, and reduce carbon emissions." Adrian Tomine





Leslie Speer

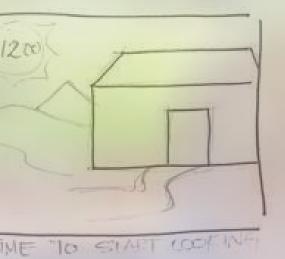
Throughout the process of finding our passion, inspiration from light, and enhancing an experience we had the opportunity to talk to Leslie Speer from CSUSJ about our project and how can we take our idea into the next level. Since I wanted to do something with Design with a social impact, Leslie S. was the perfect person to give me her opinion about my project. Her advice for me was to think about doing something that was economical and sustainable for their necessities. "Think about how this people will react when they see these products. It has to be simple and symbolic for them."

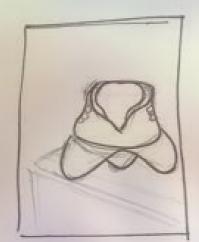
Emotional Connection Economical User friendly Symbolic



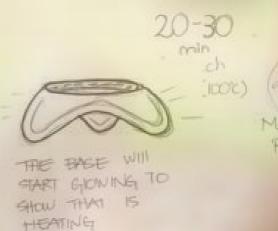
Sketches



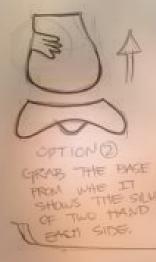


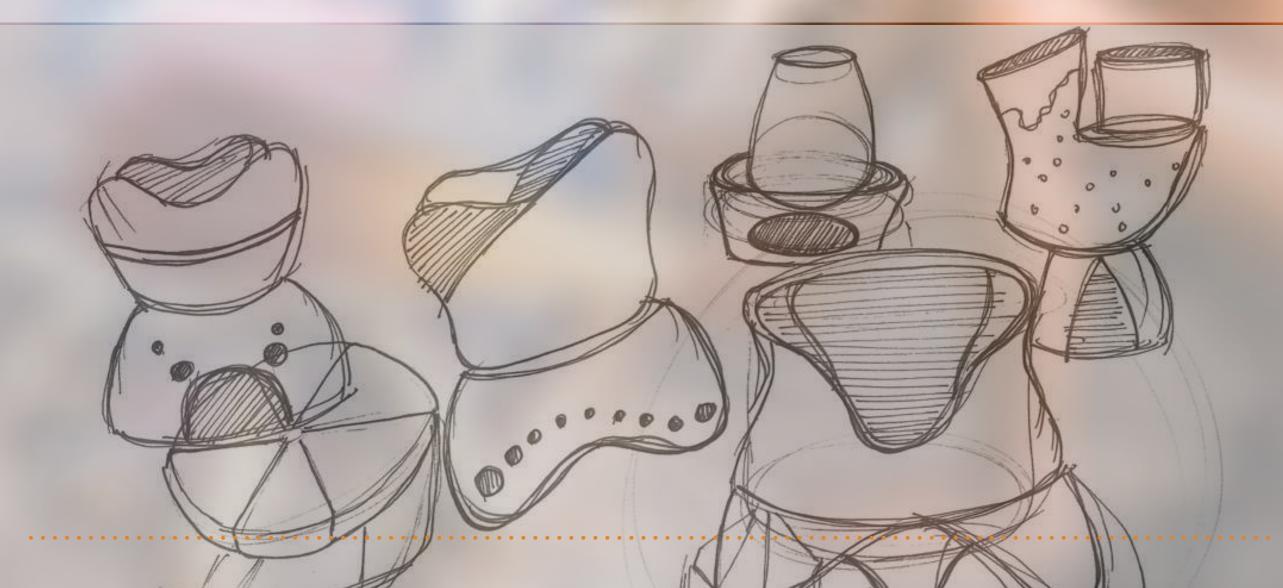


























Use of energy from nature

INSPIRATION

··· MATERNITY·····UNITY ···· EDUCATION ···· NATURE

metaphor "to give light" Or a life

Use of light as educational tool











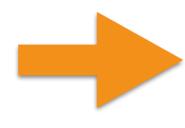
Viv is a solar power based stove that will bring an end to the endeavor. It will allow the user to have a more pleasurable experience when it comes to cooking a meal for their family without the time consuming preparations or toxic dangers of cooking with charcoal or wood.





Once upon a time in Equatorial Guinea...





meanwhile...



It was 12:05 noon. Josh who was very hungry decided to have a piece of bread.

The community from Niefang was preparing the food to be cook with Viv.













6 HOURS LATTER IT WILL START THE SUNSET















Cloudy glass, isolates the heat inside the base



Heating plate, activates the heat with the weight



Internal light will show the heat and illuminate your working area



Solar Panel (contains an internal battery)

V iv sharing a meal with your love ones

