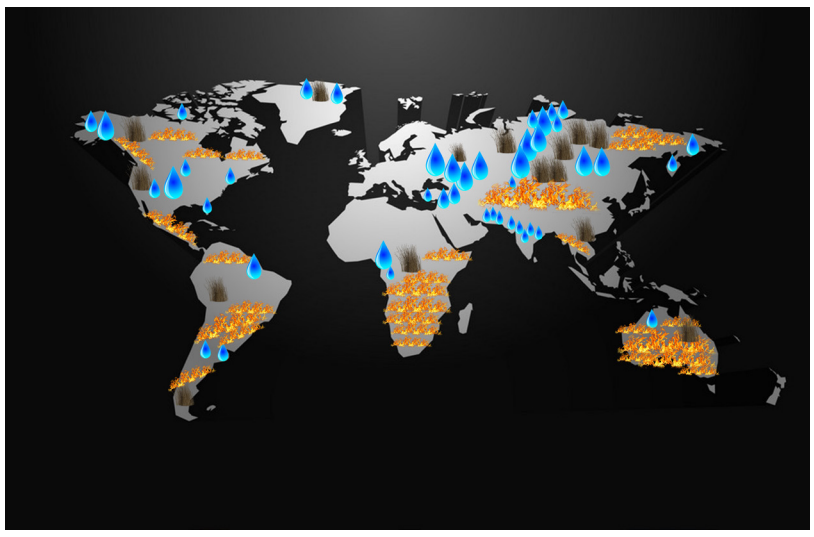
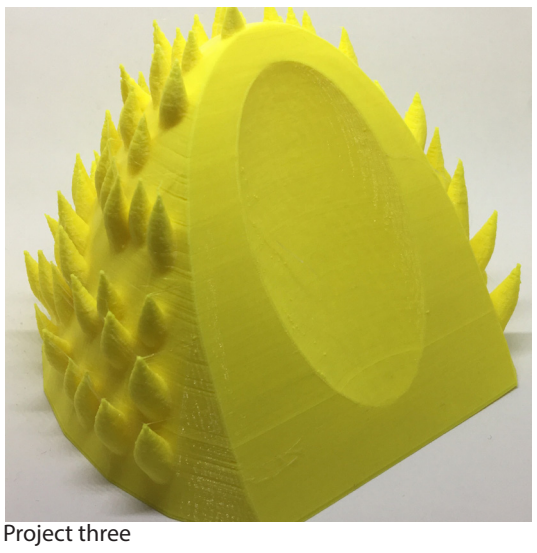


World Drought Map

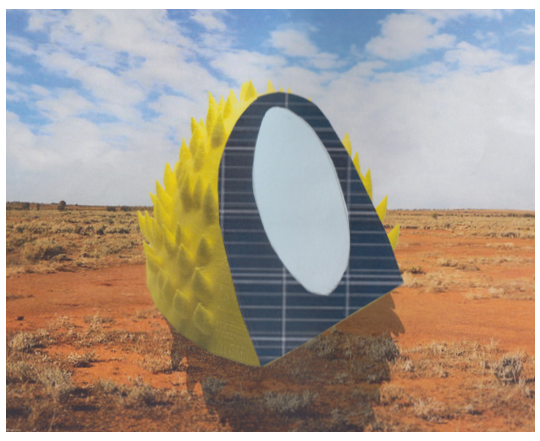
The materials used could be the type to make an inflatable but more than likely of a sustainable material that can be 3D printed. By composting and outsourcing for soil the people can grow their own foods. The front facing window allows for natural light to the interior garden for food growth. The water collected from the thorns will be used for watering the plants as well. The energy would be gained from solar panels on the window side of the home and wind turbines on the outside and around the structure. The structure collects water like the thorny devil, water collects from moisture in the air and from rain storms, then it filters through the spikes and small holes where the water collects in water storage tanks below the house and can be pumped up through the home for plumbing and drinking. The structures are made to create a self sustainable "Neighborhood", the people would be living in structures that prosper in drought areas.

Project one

Project two



Project three



The structures are made to create a self sustainable "Neighborhood", the people would be living in structures that prosper in drought areas. By composting and outsourcing for soil the people can grow their own foods. The solar panels provide clean energy and the special aspect of the structure which is having thorns to collect water provides plumbing and drinking water.

The structure mimics the Thorny devil which is indigenous to deserts in Australia, Their thorns collect moisture from the air and also collect water from rain showers. The structure is covered in thorns to do the same action, collect water for its inhabitants. The water filters down into storage units under the structure and is pumped back through the house for plumbing and drinking water. The front facing window allows for natural light to the interior garden for food growth. The water collected from the thorns will be used for watering the plants as well. The exterior front of the home is covered with solar panels instead of thorns to power the homes interior electronics.

structural = straight, rigid material/ waterproofing and water collection or water drainage UNIQBAG- Inflatable protective packaging composed of polymer film. Headquartered in Germany Distributed in North America, Europe. Lightweight, Single or mono-materials.

PowerFilm Solar- Flexible, lightweight, portable solar panels for custom solar power solutions used in both indoor and outdoor settings. The panel is made of 36% amorphous silicon, 36% polyolefin, 18% polyester, and 10% tinned copper. Headquartered in United States. Lightweight

Organoid- thin, natural coatings on a translucent, lightweight, flexible, self-adhesive foil for interior design projects. The product '6500' is made from 100% residual moss. Headquartered in Austria.Lightweight, Renewable Content, Waste Material Content.

Thermic insulation and cooling. NeptuneTM The material incorporates a patented shaped, hollow fiber which results in a close to 33% increase in surface area compared with a similar diameter round fiber.