



*Material
Development,
Trends & Waste*

DISH

April 2015

Table of Contents

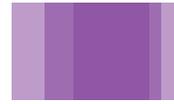
Lectures and Workshops:

- Materials & Trends
- Material Analysis
- Materials & Waste
- Material Development

Brief Proposal (1 term duration)

Lectures/ Workshops

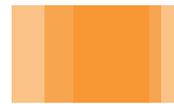
- Materials and Trends



- Material Analysis



- Materials and Waste



- Material Development



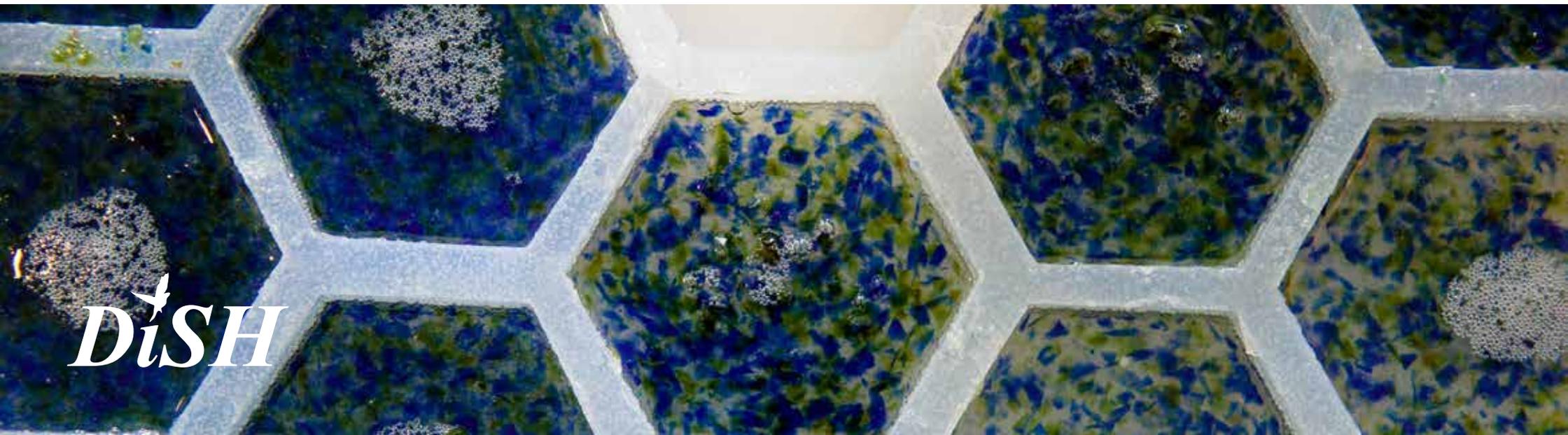
The logo for DISH, featuring the word "DISH" in a stylized, white, serif font with a small bird-like icon above the letter 'I'. The logo is positioned in the bottom left corner of the image, overlaid on a background of wooden planks and several colorful, translucent material samples.

Materials & Trends

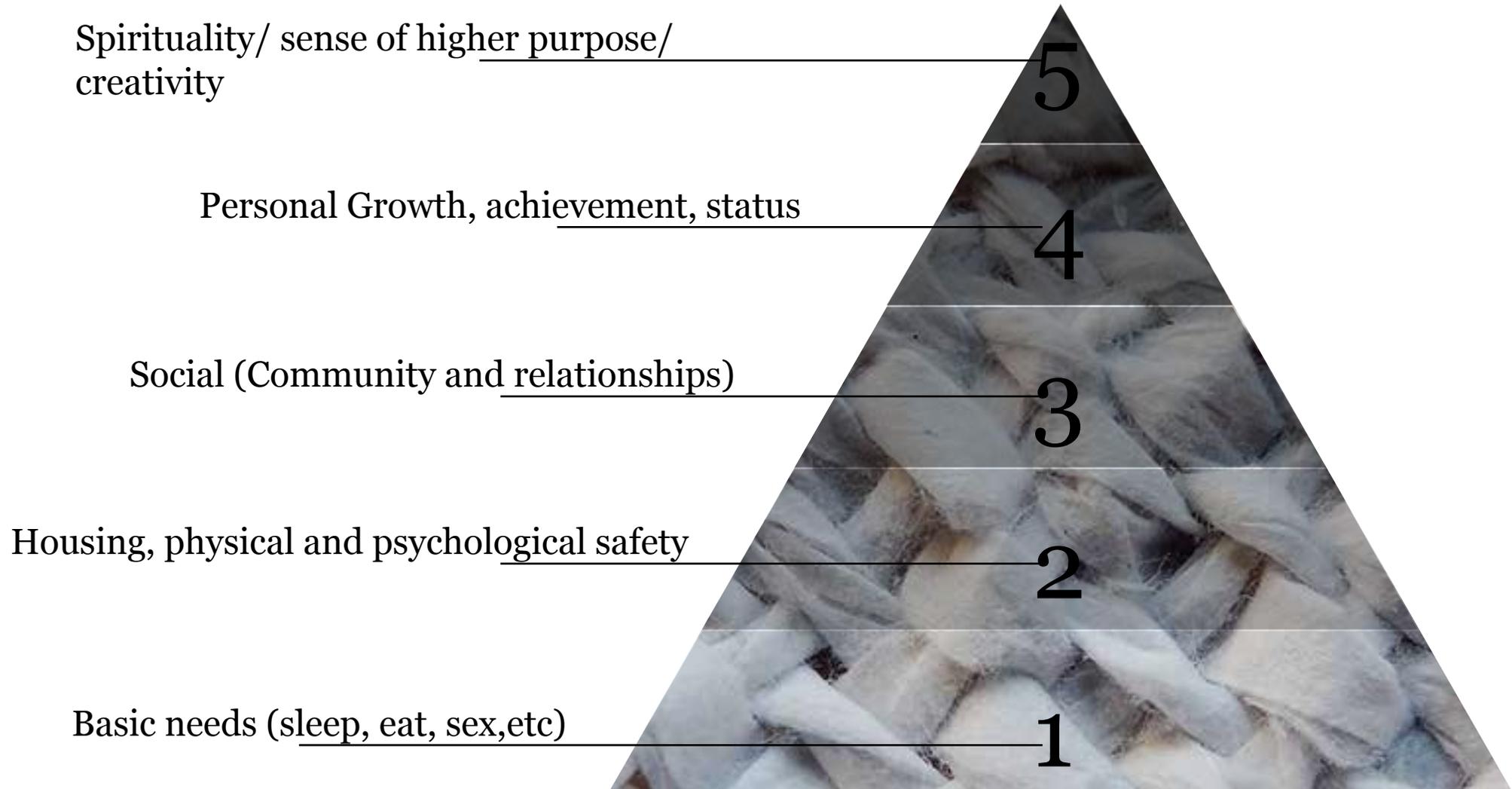


We begin by analysing which trends are prevalent in the different industries/products that cater for each of the human needs based on Maslow's pyramid of needs.

We then create a material pack based on researching which materials could be used for each of the trends observed.



Human needs and materials



Trend: Local patriotism

Category: 3



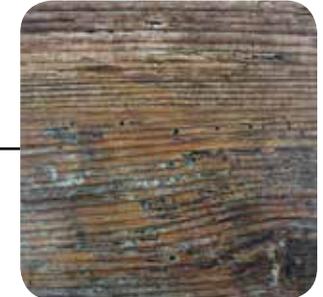
Materials:



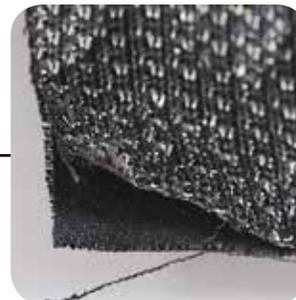
3d printed
Wellboard



Vegetables 3D



Tabaco



Phonika



Eco-Technilin



Raficlad

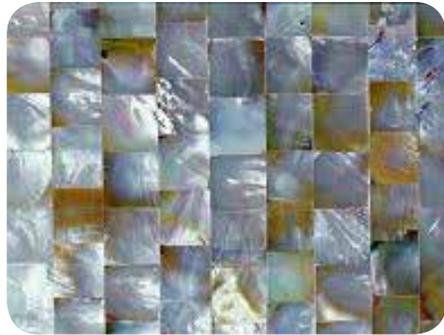


Sense of community, land-sharing and allotments, urban farms, open source and knowledge sharing, random and eclectic visual languages, emphasis on natural materials and a transparency in process and ingredients.

More awareness from the user in regards to specific product information. Distrust in large corporations that gives rise to an increased social activism in social media and other digital platforms. Slogan: "We Are all connected"



MOTHER OF PEARL



MATERIAL QUALITIES

Otherwise known as Nacre. It's an organic-inorganic composite material produced by some molluscs as an inner shell layer; it is also what makes up pearls.

KEYWORDS: precious, natural, rare, high craft, neutrality, luxury, elegance, shiny, smooth, glossy. It is very strong, resilient, and iridescent.

TURQUOISE



MATERIAL QUALITIES

It's an opaque, blue-to-green mineral. It has been used by many ancient civilizations to produce jewellery, ceremonial artefacts, knives and masks. It was often used in combination with other stones and minerals.

KEYWORDS: jewel, iconic, ancient, protective, sacred, ceremonial, unpredictable, related to totems and fetishes; cold, smooth, solid, heavy, colourful, fragile and sensitive to solvents.

OBSIDIAN



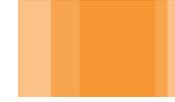
MATERIAL QUALITIES

A cold volcanic glass. In Mesoamerican times it was used to produce mirrors for the aristocratic Aztec families.

KEYWORDS: precious, ancient, wisdom, natural, mysterious, high craft, magical, cold, smooth, solid, hard, shock resistant.

Materials & Waste

1. Where is the material coming from?
2. What are the issues with its re usability?
3. What are the cultural issues around the material?
4. What are the economical implications of the material's related industries?
5. What are the qualities of the material?
6. What is the monetary and cultural value of the material?
7. Locate systems where the material functions (if recycled, is it recycled by waste pickers, or by large waste management companies)
8. Determining opportunities for the material
9. Material experimentation
10. Finding new applications for the material to increase impact and value.



Material Development

The material development stage begins after a thorough research on a specific waste material and the systems observed.

It follows a deep understanding of the issues surrounding the creation, the use and the disposal of a material.

We would use an approach that re-invents the material's identity by taking the material back to its most essential form, and from that place examining the potential and possible uses.

As we begin the material experimentation process we gradually re-construct the new identity of our material.

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Brief Proposal (one term)

To create a new material, based on a waste stream.

You will need to justify your choice by showing a deep understanding of the **material's ecosystem** and the **benefits** of creating a new material using your waste stream of choice.

You will show the advantages of your material and its **place in an industry or craft. (Market)**

You will **develop applications** that highlight and take advantage of your material's qualities and benefits.

You will create a **brand and a mini business plan** to scale up your material process.

You will **prototype one or many applications** for your material and your newly created brand.

Thanks!

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