

Iceland 
Liechtenstein
Norway grants

Azores Ecoblue

Paulo Mendonça

Associate Professor, Project Coordinator in University of Minho



Iceland
Liechtenstein
Norway grants

Advance

Zero waste

Original

Reusable

Eco-design

Sustainable

Exclusive

Conscious

Organic

Believable

“**L**ess is more”

Unique

Ecologic

Promoter:



Consortium:



Stakeholders:





Research team in University of Minho:

Paulo Mendonça – School of Architecture, Art and Design – **Coordinator in UM**

Miguel Carvalho – School of Engineering, Textile Engineering Department

Harish Daruari, School of Architecture, Art and Design

Rochelne Barboza, School of Engineering, Textile Engineering Department

Other contributors in UM:

Fernando Duarte, School of Engineering, Polymers Engineering Department

Catarina Barbosa, School of Engineering, Polymers Engineering Department

Mohammad Fouad Hanifa, School of Architecture, Art and Design

Lujain Hadba, Escola de Arquitetura, Arte e Design

Helena Felgueiras - School of Engineering, Textile Engineering Department

Lígia Barcellos - School of Engineering, Textile Engineering Department

Collaborations of UM with other institutions:

CDRSP - Center for Rapid and Sustainable Product Development, IP-Leiria.

Florindo Gaspar

Artur Mateus

Ana Peixinho

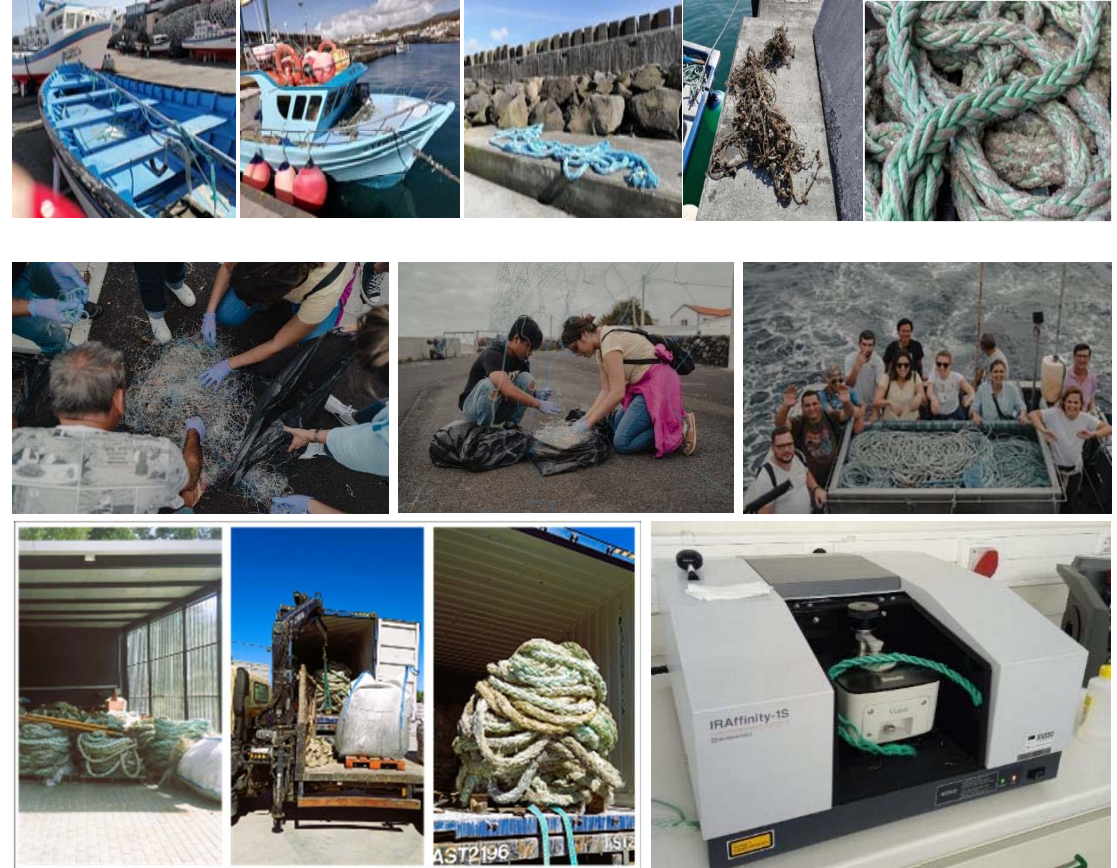
Marco Coutinho

PIEP - Centre for Innovation in Polymer Engineering

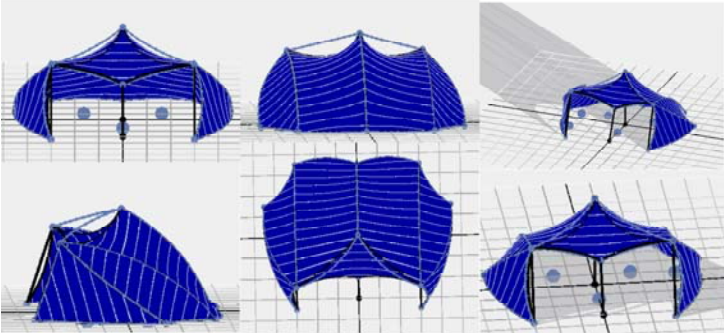
CVR - Centre for Waste Valorization, Guimaraes, Portugal



- Collection of wastes (over 20 tonnes) collected in the sea, beaches and ports.
- The sample was separated by type, such as fishing nets, fishing lines and different types of ropes and cables
- To identify the material, an analysis was carried out using Fourier-Transform Infrared Spectroscopy (FTIR), which measures the absorption of infrared radiation by the sample material versus wavelength. The polymer identified for the mooring cables was High Density Polyethylene (HDPE).
- Greater focus was given to the material coming from the mooring cables of fishing vessels, due to its high volume and evaluation as a source of material for textile structures and construction systems;



Estrutura de apoio a pescadores/artesãos



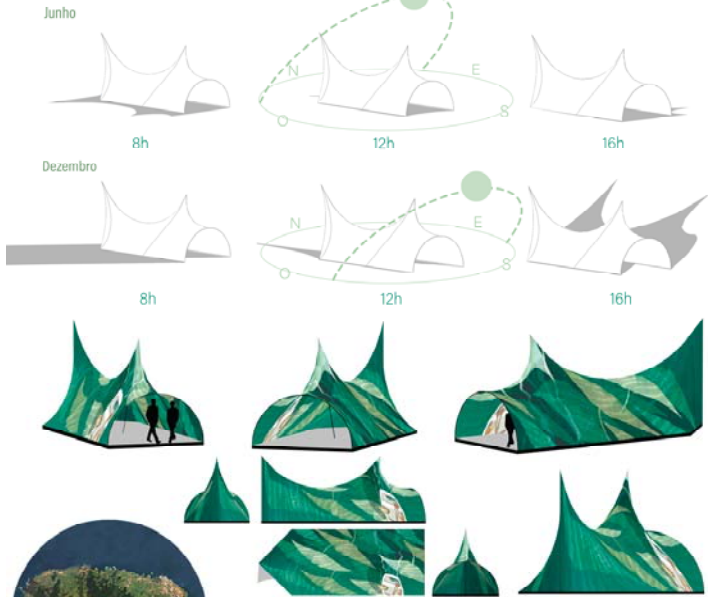
Uma estrutura efêmera de apoio a artesãos é um projeto ou iniciativa que tem como objetivo ajudar artesãos a desenvolver e promover suas habilidades e trabalhos, isso pode incluir a disponibilização de espaço de trabalho, acesso a ferramentas e equipamentos, etc.
 A ideia é fornecer aos artesãos os recursos necessários para que eles possam se estabelecer e ter sucesso nos seus negócios.
 O mesmo objetivo com este projeto é, através de instalações efêmeras com materiais reutilizados, prestar apoio a pescadores, artesãos da freguesia de São Mateus da Calheta, na ilha Terceira, Açores, com uma cobertura.



Estrutura efêmera modular

Apoio a pescadores / apoio a artesãos / oficina para triagem de resíduos

1001.23 Opção UMinho - Instalações Efêmeras com Materiais Reutilizados
 Anaís Pinto A89513 | Andreia Madaleno A91982 | Beatriz Pires A91838 | Delcy Mascarenhas A93851 | Inês Gomes A96742



São Mateus da Calheta, ilha Terceira, Açores



SOCIAL DE INTEGRAÇÃO

Este local do projeto está localizado dentro do porto da Freguesia de São Mateus da Calheta em Terceira. A área tem uma forma curva e é delimitada de um lado por uma parede e do outro pelo mar. O muro separa o estacionamento da rua, que se encontra numa cota superior.
 O projeto consiste na construção de uma cobertura para o estacionamento pedonal. Uma estrutura modular que será capaz de criar sombra e proteger os transeuntes de outros agentes atmosféricos.

PROPOSTA DE PROJETO

IDEIAS INICIAIS

CARACTERÍSTICAS MATERIAIS

Material ecológico	Proteção UV	
Elástico	À prova d'água	
Têxtil	Resistente ao vento	
Lixa	Facilmente reparável	
Projeção acústica	Resistente ao topo	

DETALHES DA CONEXÃO

Opção UMinho - Instalações Efêmeras com Materiais Reutilizados

Ano escolar: 2022/2023
 Docente: Paulo Mendonça - mendoncp@ua.pt

Georga Barreira - E10614
 Beatriz Fernandes - A96334
 Manuel Monteiro - A82297
 Iglor Emanuel Pinheiro Cunha - A101745
 Karolina Tapada - E10644

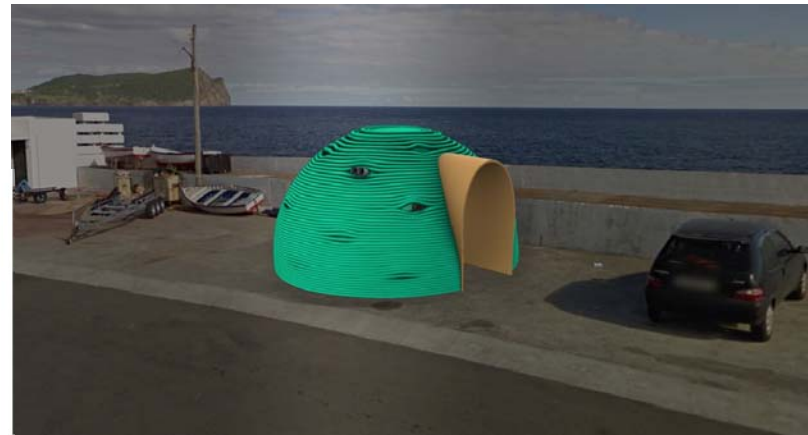
Universidade do Minho
 Escola de Arquitectura, Arte e Design

Proposals for fishermen shelters for São Mateus village port done by students on the Curricular Unit Ephemeral Installations with reused materials, 2022/2023 Coordinator: Paulo Mendonça



Prototypes produced with reused mooring cables and other wastes

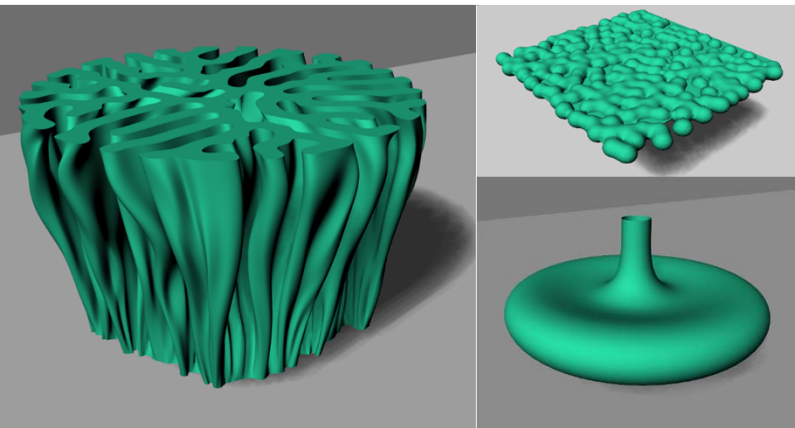
Fisherman shelter in São Mateus v1
Fisherman shelter in São Mateus v2



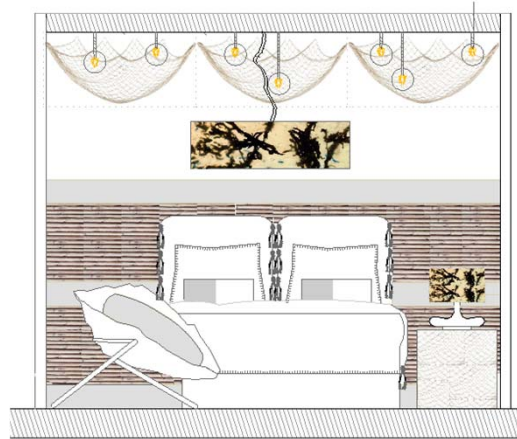


Recycling oceanic plastic for textile products

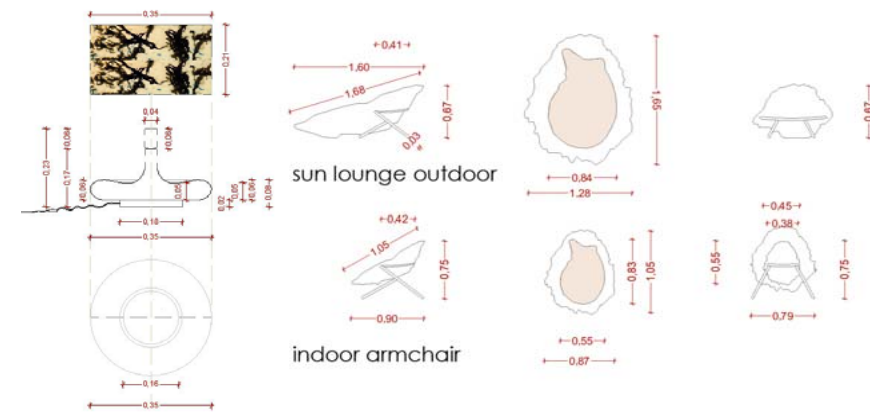
3d printing with recycled plastic



4 ecoproducts – AZORES ECOBLUE



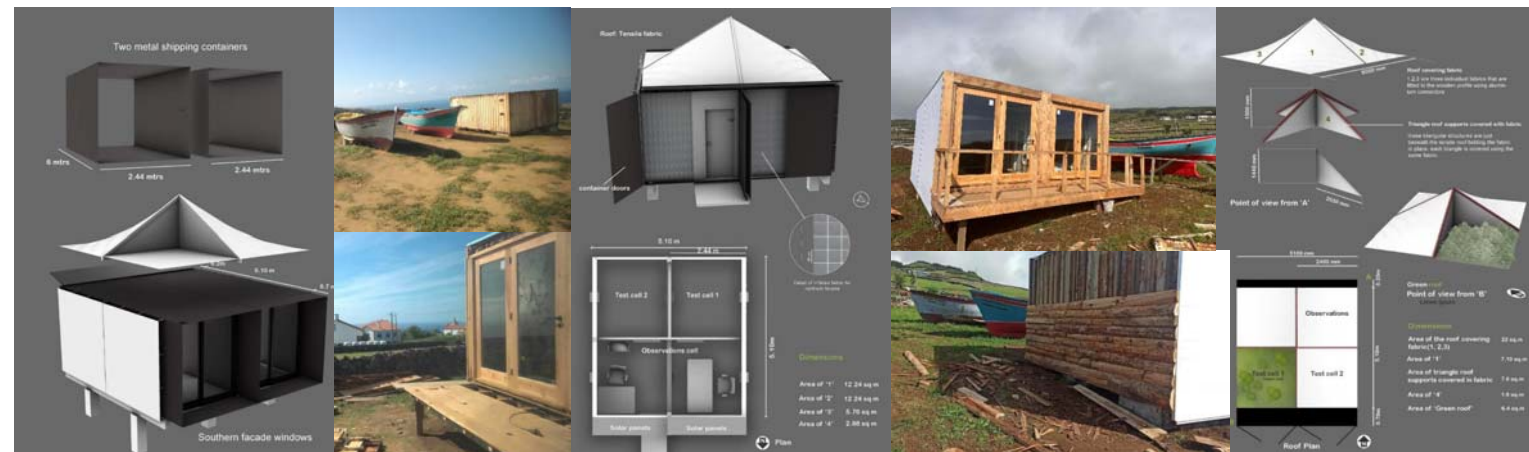
Algae lamps and "patella chair" by Nieta Atelier





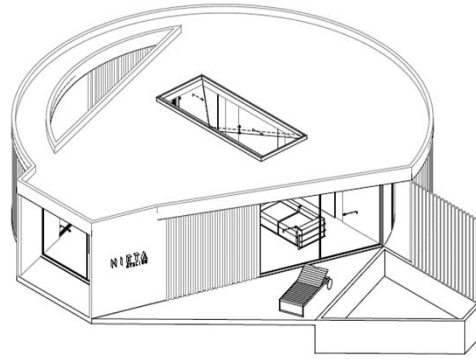
Laboratorial tests carried out in Textile Engineering Department and Civil Engineering Department UM

Equipment available in UM Schoop of Architecture for In situ tests to be carried out in Test Cells built in Azores Terceira Island

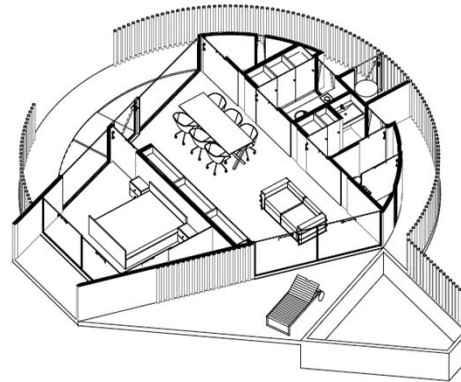


Laboratorial tests carried out in Center for Rapid and Sustainable Product Development, IP- Leiria

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Terceira SHOWROOM by Nieta Atelier



Program operator:



Promoter:



Partners:



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THANKS!

www.ecobluegroup.com



Azores
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