HEALTHCARE BUILDING ASSESSMENT MOBILE APP

To aid a more sustainable project

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Agenda

Introduction

Framework

HBSAtool

Mobile Application

Demo Mode

Final considerations

Introduction

Goals

Projects

Timeline

Sustainability Assessment method for Healthcare Buildings.

Potentialities for a sustainable built environment.

Sustainable practices for future design and built.

Introduction

Goals

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Timeline

Dental Clinic, Porto area

Psychiatric Hospital, Porto

Portuguese Oncology Institute of Porto

Day Care Center, Lisbon area

Introduction

Goals

Projects

Timeline

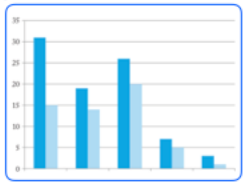
Early projects

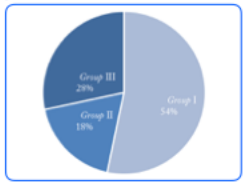
SBTool[PT] Certified

Pos-Doc researcher & Sustainability Healthcare Building **Consultant**

2009 2010 2011 2012 2013 2014 2015 2016 2017 2019

MSc Sustainable Practices for Healthcare Buildings





PhD HBSAtool-PT

Agenda

Introduction

Framework

HBSAtool

Mobile Application

Demo Mode

Final considerations

Framework

BSA Tools

Objective

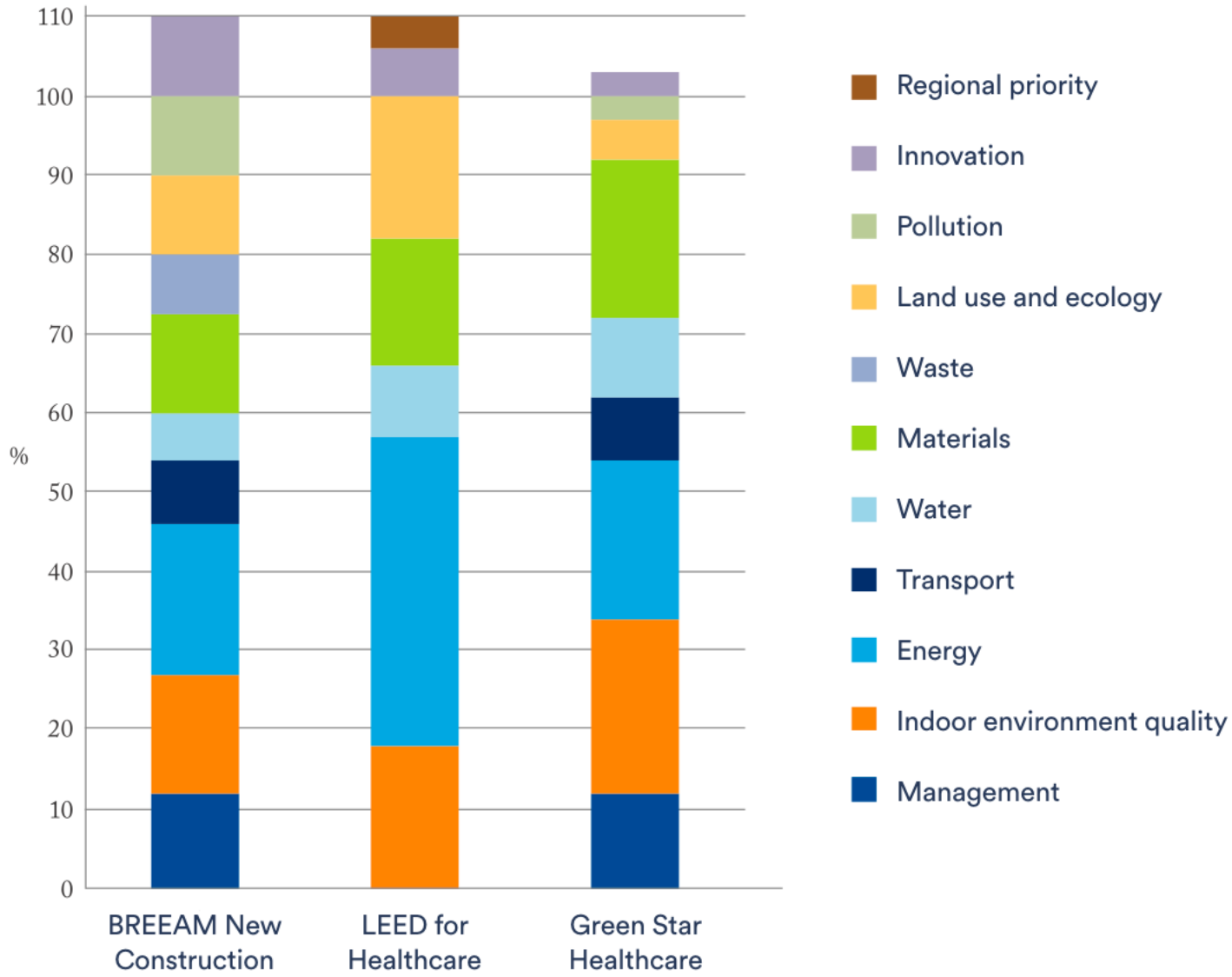
Life Cycle

Framework

BSA Tools

Objective

Life Cycle



Framework

BSA Tools

Objective

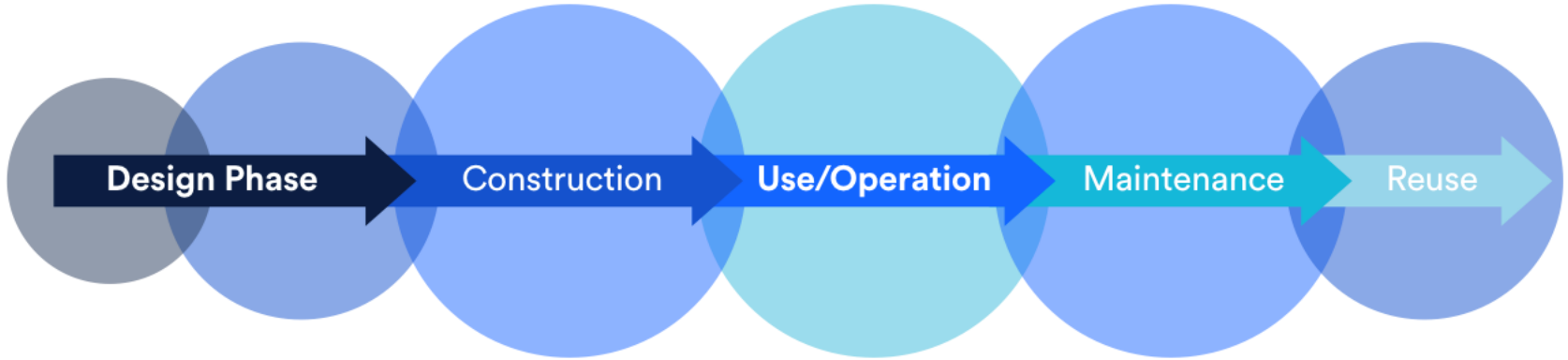
Life Cycle

Framework

BSA Tools

Objective

Life Cycle



- Decisions support;
- Promote building sustainability solutions.

- Reduce the use of natural resources;
- Reduce the use of non renewable energy.

- Increase the users satisfaction;
- Improve indoor environmental quality;
- Reduce operation costs.

- Support decisions and maintenance;
- Promote an high level of efficiency.

- Increase space adaptability and flexibility.

Agenda

Introduction

Framework

HBSAtool

Mobile Application

Demo Mode

Final considerations

Because

- These methods **promote relationships** between the built environment and the objectives of sustainable development;
- They **convert the principles** of sustainable development **into objective goals**;
- They establish **reference practices** at the global, regional and national levels;
- They are useful for **decision-making processes**.

Why?

SB vs GB

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Sustainable vs Green Building

SUSTAINABLE BUILDING

GREEN BUILDING

- Energy
- Water, fuel, materials consumption
- Atmospheric emissions
- Site ecology and biodiversity
- Waste
- Maintenance and management
- Indoor conditions quality
- Comfort and efficiency
- Longevity, flexibility, adaptability and accessibility
- Service ability and transports
- Urban and planning issues
- Life cycle costs and impacts
- Stockholders involvement

Why?

SB vs GB

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Healthcare Building Sustainability Assessment tool

PhD thesis, Maria Fatima Castro, 2017

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Why?

SB vs GB

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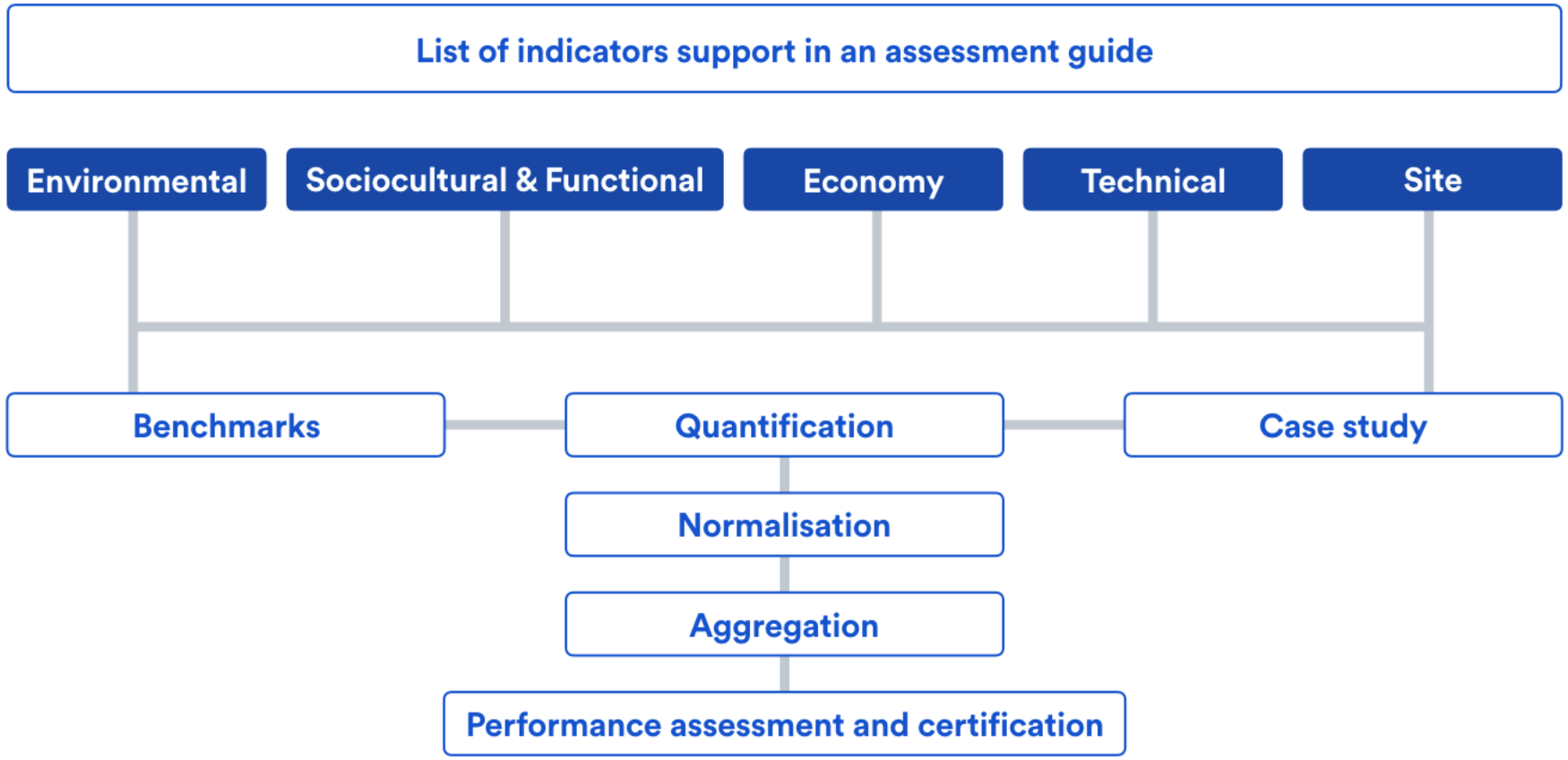

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Why?

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Agenda

Introduction

Framework

HBSAtool

Mobilie Application

Demo Mode

Final considerations

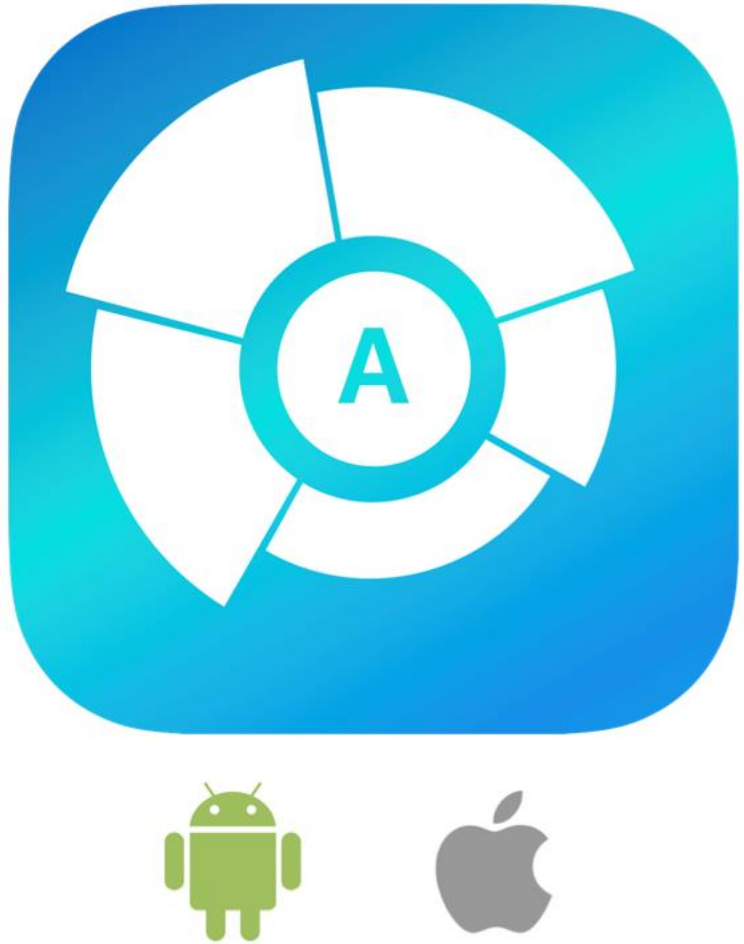
Mobile Application

Platforms

Objectives

Features

Usability



Mobile Application

Platforms

Objectives

Features

Usability

- To **spreed** this Assessment system around the world;
- To **help**, in an easier and faster way, all stakeholders, in design, construction and use phases, to know if their options are the best ones;
- To **reach** more places in the world and understand different needs, which will promote method improvement;
- In order to make available this theme to different stakeholders, and **provide access** to a specialised consultancy.

Mobile Application

Platforms

Objectives

Features

Usability

- Allows the user to make a sustainability assessment of a healthcare building **anytime** and **anywhere**;
- Allows a holistic assessment of all the main **sustainability concept** pillars (environment, society, economy);
- Enables the **registration of multiple buildings** and make multiple assessments for each one of them:
- Shows **results graphically** which is intuitively;
- Facilitates contact with a **qualified expert** advisor who can provide support for each specific project.

Mobile Application

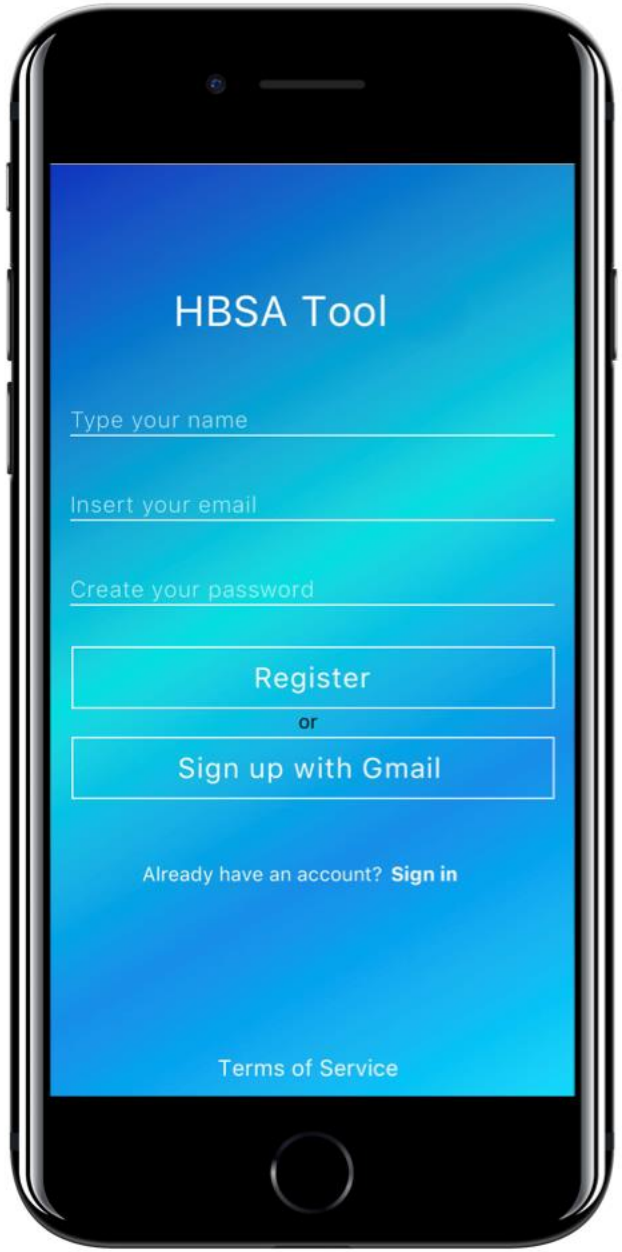
Platforms

Objectives

Features

Usability

Register to have your personal account, with all your projects and assessments.



Mobile Application

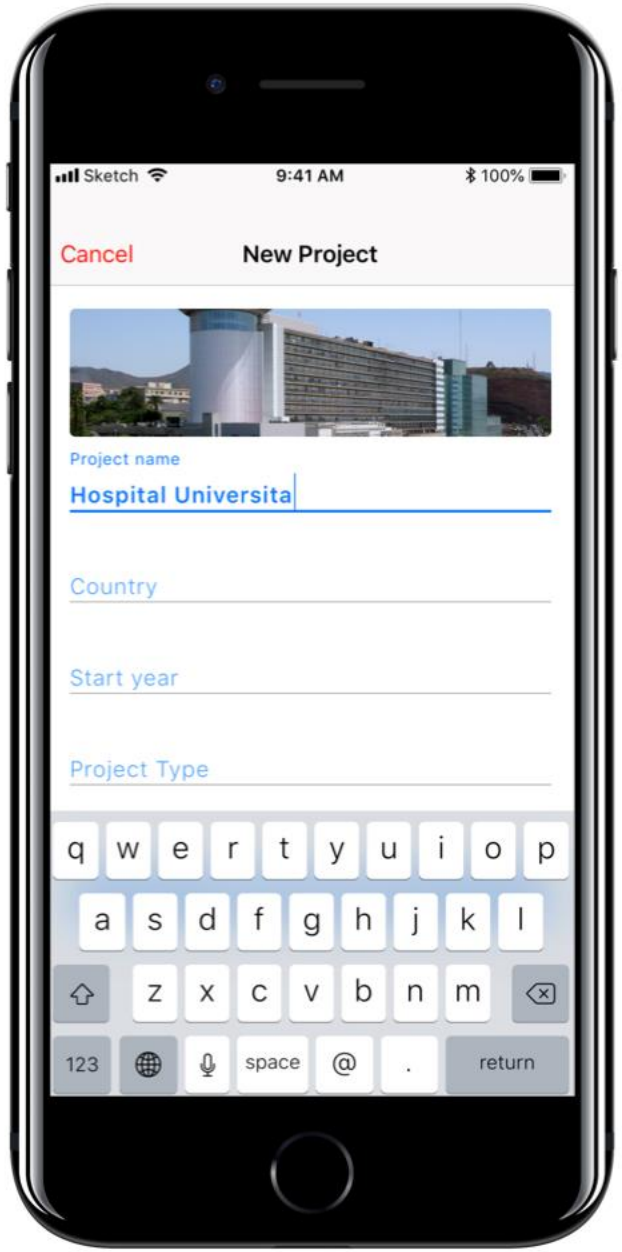
Platforms

Objectives

Features

Usability

Create a New project and start your first assessment.



Mobile Application

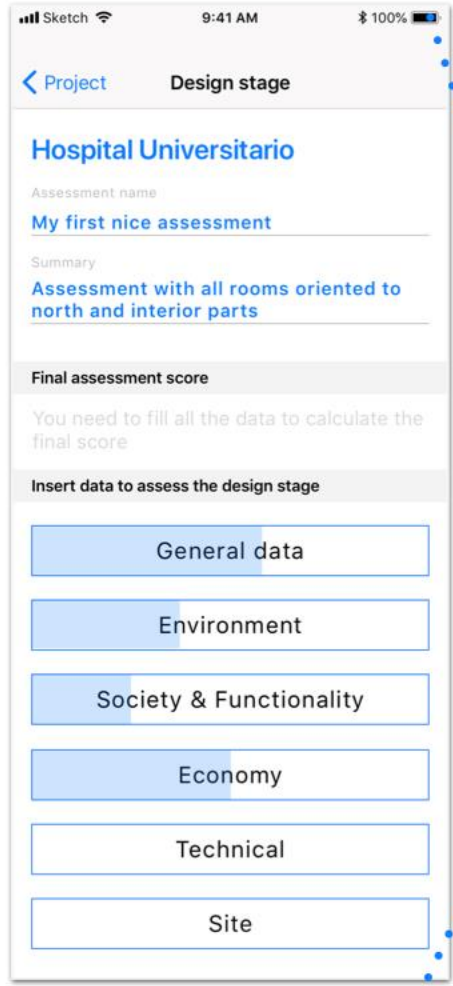
Platforms

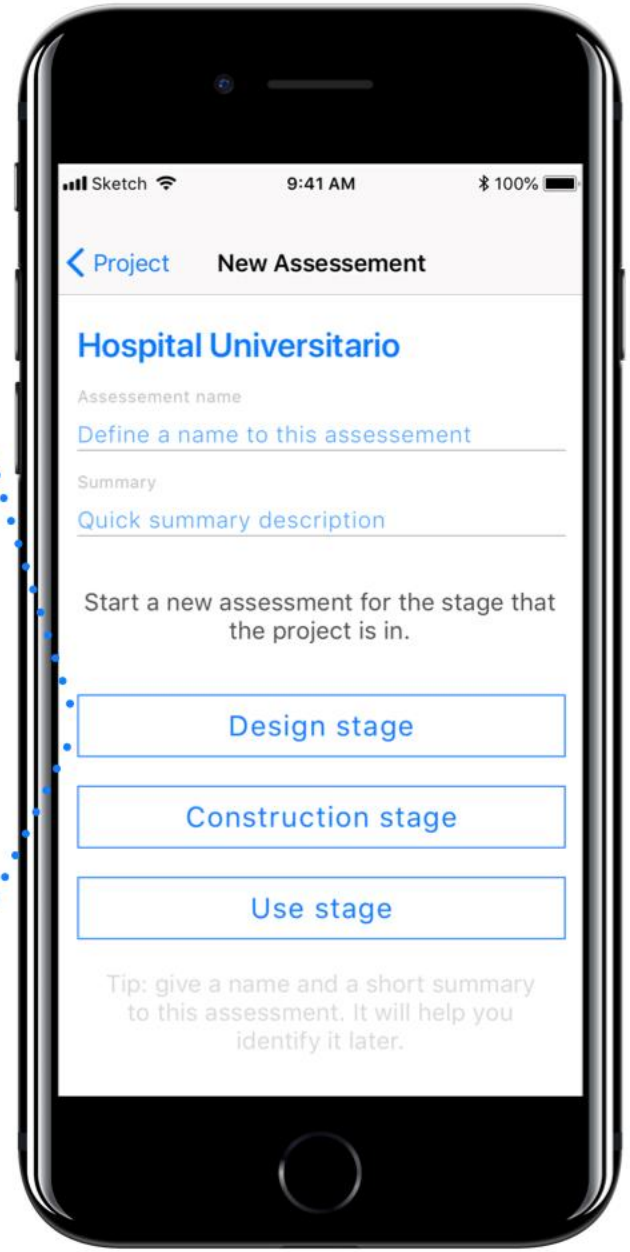
Objectives

Features

Usability

- Create as many assessments as you want;
- Insert data as you wish;
- Get results.





Mobile Application

Platforms

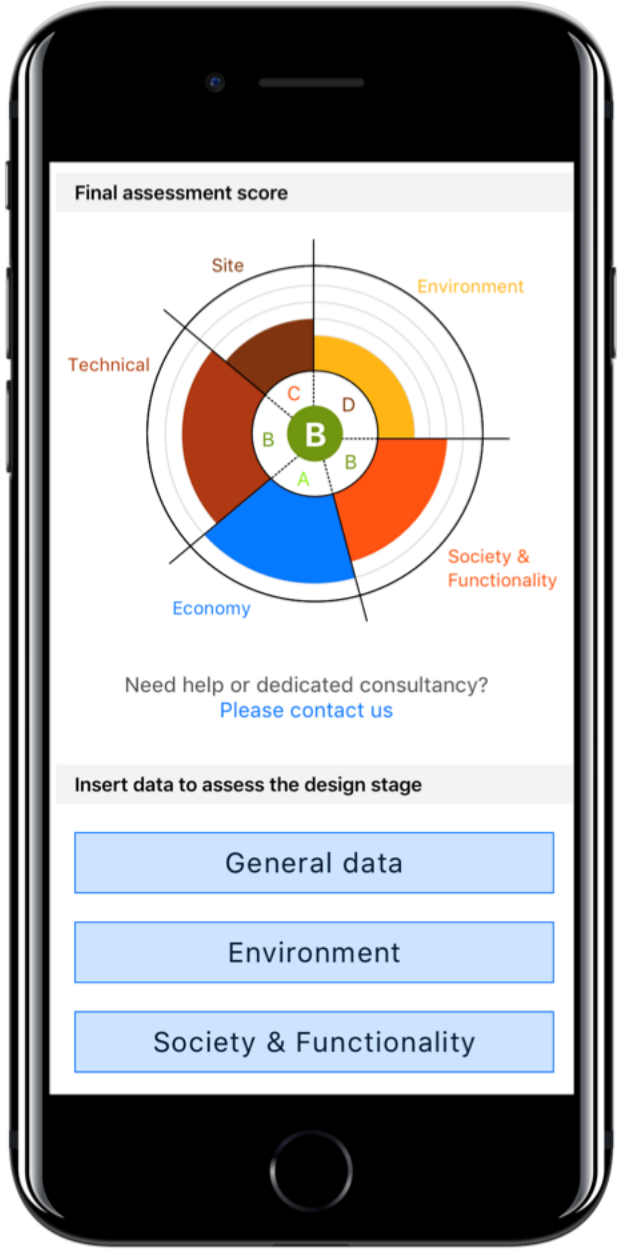
Objectives

Features

Usability

Final Score

Achieve the final score and understand in which area your building performance is more or less sustainable.



Agenda

Introduction

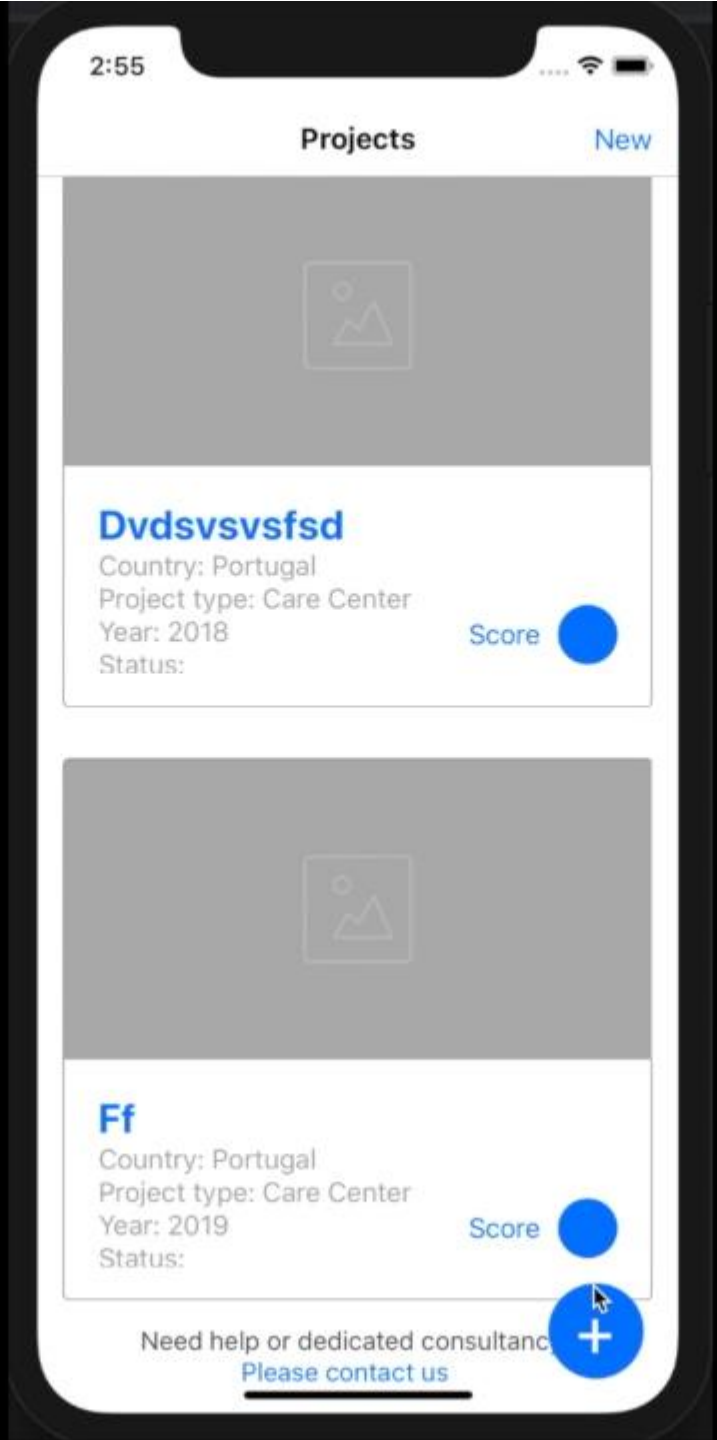
Framework

HBSAtool

Mobile Application

Demo Mode

Final considerations


2:55
Projects
New
Dvdsvsvsfsd
Country: Portugal
Project type: Care Center
Year: 2018
Status:
Score
Ff
Country: Portugal
Project type: Care Center
Year: 2019
Status:
Score
Need help or dedicated consultanc
Please contact us

Agenda

Introduction

Framework

HBSAtool

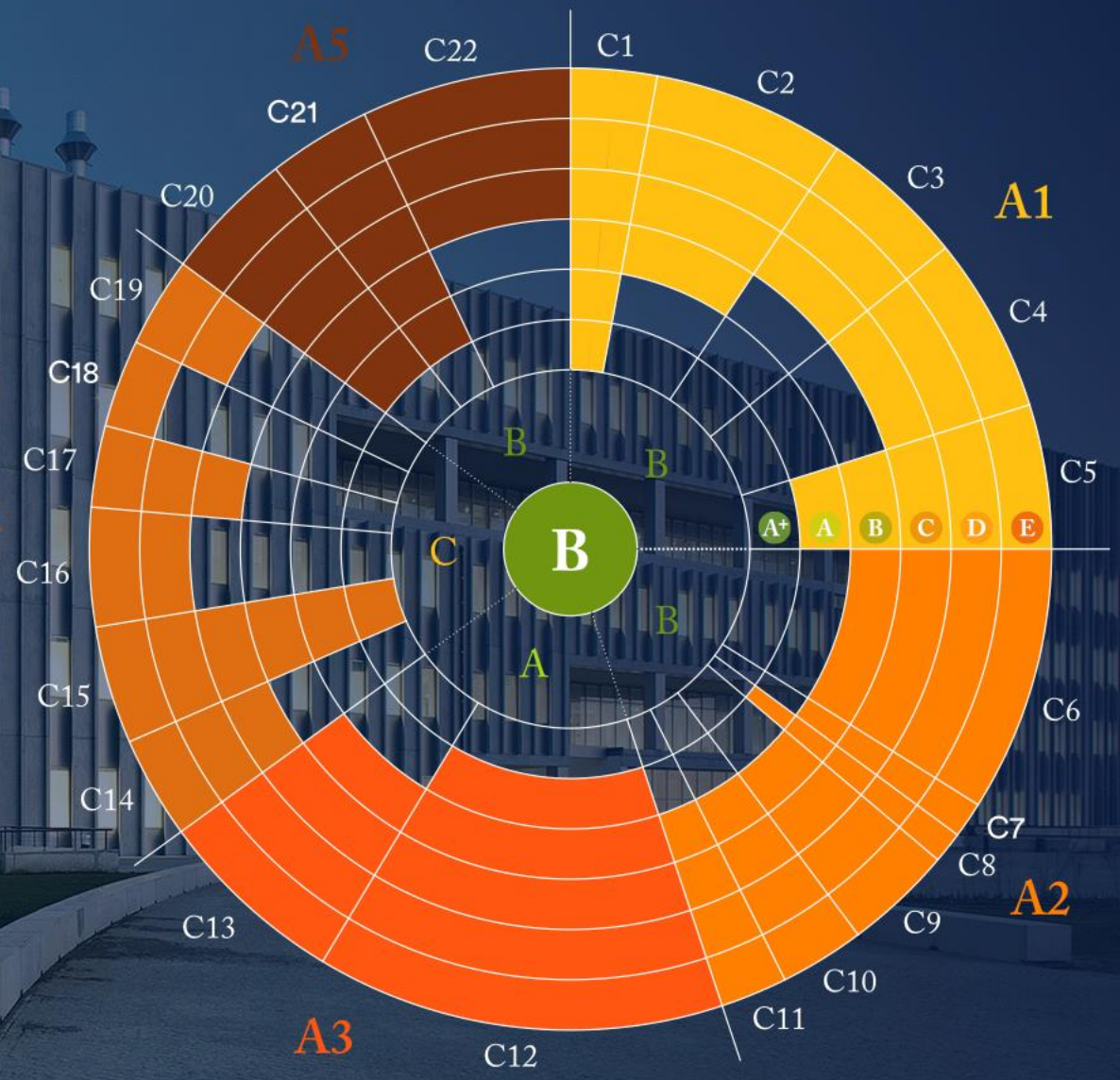
Mobile Application

Demo Mode

Final considerations

HBSAtool Label

To a more sustainable future for healthcare infrastructure.



Final considerations

App HBSAtool

Have your ratings always available wherever you are.

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