



# *Decision Support and Information Management System for Breast Cancer*



**Grant agreement no:** 690238

**Project acronym:** DESIREE

**Project Title:** Decision Support and Information Management System for Breast Cancer

**Instrument:** RIA

**Call Identifier:** H2020-PHC-2015-single-stage

**Topic:** PHC-30-2015

## *WP8 DISSEMINATE – Dissemination and Exploitation*

Deliverable Number	D8.2
Title	DESIREE project website
Version	1.0
Dissemination Level	PU
Status	Final version

## EC Distribution

Project Partners	BIL
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## Document control

Version	Date	Author	Modifications
0.1	23/02/2016	Amaia Ugarriza, Frank Guijarro	Early website design and sections
0.1	01/03/2016	ALL Partners	Feedback and suggestions to website
1.0	11/03/2016	Amaia Ugarriza, Frank Guijarro	Website design, information compilation and website release


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## Abbreviations and Acronyms

Acronym	Definition
N/A	N/A

	Title		Work Package
	DESIREE Project website		DISSEMINATE – Dissemination and Exploitation
	Version	Date	Author
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## 1. Executive Summary

The aim of deliverable D8.2 is to launch the public website of the project. The type of deliverable has been classified as Public (PU).

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## 2. Project public website

The following website has been created for the project, and will be continuously updated:

[www.desiree-project.eu/](http://www.desiree-project.eu/)

Some captions from the website are showed below:

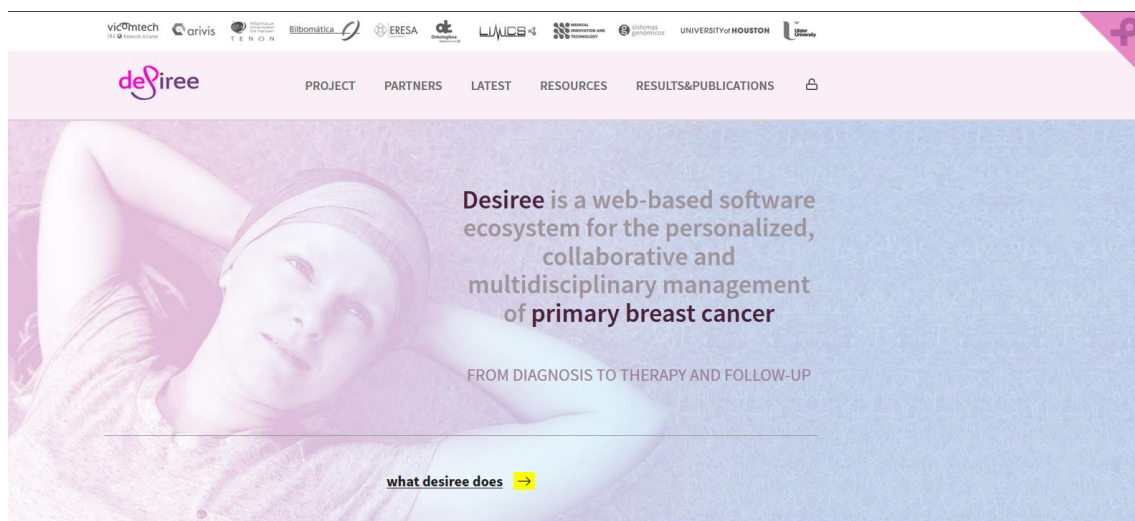

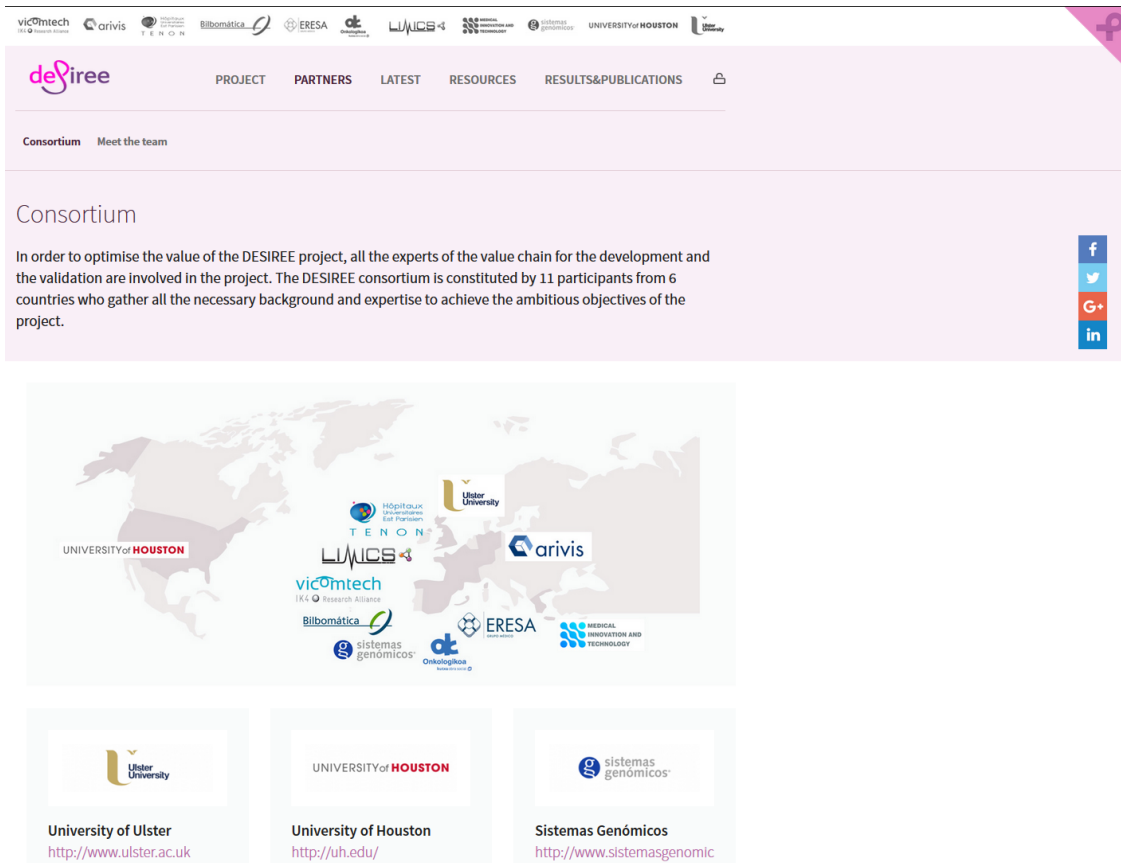


Figure 1 Screenshot of the DESIREE public website home.

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**desiree** PROJECT PARTNERS LATEST RESOURCES RESULTS&PUBLICATIONS

Consortium Meet the team

### Consortium

In order to optimise the value of the DESIREE project, all the experts of the value chain for the development and the validation are involved in the project. The DESIREE consortium is constituted by 11 participants from 6 countries who gather all the necessary background and expertise to achieve the ambitious objectives of the project.

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vicomtech Bilbomática sistemas genómicos ERESA MEDICAL INNOVATION AND TECHNOLOGY


University of Ulster <http://www.ulster.ac.uk>

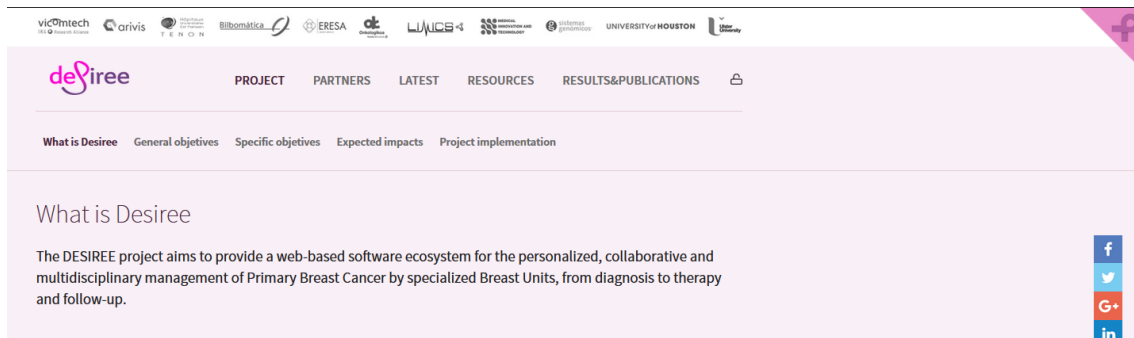
UNIVERSITY of HOUSTON <http://uh.edu/>

sistemas genómicos <http://www.sistemasgenomic>

**Figure 2 Screenshot of the DESIREE public website Partners section.**



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**What is Desiree**    General objectives    Specific objectives    Expected impacts    Project implementation

## What is Desiree

The DESIREE project aims to provide a web-based software ecosystem for the personalized, collaborative and multidisciplinary management of Primary Breast Cancer by specialized Breast Units, from diagnosis to therapy and follow-up.

**HORIZON 2020**

CALL H2020-PHC-2015-single-stage

TOPIC PHC-30-2015 Digital representation of health data to improve disease diagnosis and treatment

TYPE OF ACTION RIA

PROPOSAL NUMBER 690238

DESIREE has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 690238

Breast cancer is the most common and most deadly type of cancer affecting woman in the EU countries, with more than 460,000 new cases and 130,000 deaths in 2012 (EUCAN2).

Multidisciplinary Breast Units (BUs) were introduced in order to deal efficiently with breast cancer cases, setting guideline-based quality procedures, clinical decisions on cases based on consensus and a high standard of care. However, daily clinical practice and case presentation in the BUs is hampered by the complexity of the disease, the ever-growing amount of patient and disease data available in the digital era, the difficulty in coordination, the pressure exerted by the system and the difficulty in deciding on cases that guidelines do not reflect.

DESIREE will provide decision support on the available therapy options by incorporating experience from previous cases and outcomes, and thus, going beyond the limitations of existing guideline-based decision support systems (DSS). The DSS will be based on a knowledge model that will evolve with experience. Patients' cases will be represented using a novel complex Digital Breast Cancer Patient (DBCP) model, which incorporates information about the patient clinical history and diagnostic and therapeutic procedures in cycles that may last for years.

The creation of a DBCP-based advanced knowledge model that incorporates clinical guidelines, clinical experience and important patient context information will provide timely advice on decisions and will reduce the number of decisions that the system is not able to reflect. It will also provide the ability to learn from experience and to evaluate the success or failure of previous decisions. It will exploit the information available both from the current case and from previous similar cases obtained by comparison using the DBCP model.

With the advent of eHealth and the advances in diagnostic and therapeutic procedures and key-enabling technologies, a vast amount of digital information is generated from diagnostic and therapeutic procedures. These include medical imaging data from different modalities, biological and genetic data, novel diagnostic tests and biomarkers, risk factors and clinical trials. We aim to incorporate information from multiple sources in the DBCP model to be prospectively exploited for decision support when there is evidence for their applicability in clinical decisions. We will explore the diagnostic and prognostic value of some sources still not applied in practice and we will provide advanced predictive data mining and clinical analytics.

**Figure 3 Screenshot of the DESIREE public website Objectives.**