



## DELIVERABLE REPORT

**Grant Agreement number:** 688303

**Project acronym:** LUCA

**Project title:** Laser and Ultrasound Co-Analyzer for thyroid nodules

**Funding Scheme:** H2020-ICT-28-2015

**Deliverable reported:** D6.2. Project Website

**Due date:** 30.04.2016

**Name, title and organisation of partner:** Katharina Krischak, EIBIR Gemeinnützige GmbH zur Förderung der Erforschung der biomedizinischen Bildgebung (EIBIR)

**Project website address:** [www.luca-project.eu](http://www.luca-project.eu)



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## 1) Objective

To support the project's outreach and dissemination activities, a project website has been set up for the LUCA project. This document provides an overview of the set-up and design of the LUCA website by presenting a series of screenshots and images along with some brief information on the individual webpages.

## 2) Project Website

The website of the LUCA project has been set up and is to date available under the following URL: [www.luca-project.eu](http://www.luca-project.eu).

As laid down in the Description of Action, an.eu domain was chosen in order to associate the project with its funding body, the European Commission. A statement on the project's grant number has been included in the website's footer along with the EU emblem and the Photonics21 logo.

The LUCA project website has been designed in line with the project's corporate identity to ensure consistency and establish a distinctive identity. The website's colour scheme is based on the colours in the LUCA Logo, which were chosen as a means to refer to the colours thyroid cancer awareness campaign pink, purple, and teal. A reference to the thyroid as well as the laser and ultrasound techniques used in the project was aimed at and included in the logo design:



Based on the LUCA logo, the website design was initiated. Every effort was made throughout the design process to create a clean, simple and intuitive design that allows users to easily and quickly find the information they want. For the homepage of the website parallax scrolling format has been implemented as it allows users to simply scroll through all the main features of the website without having to navigate through a maze of separate pages.

The header image on the home section of the website (the first page users see when visiting the site) was chosen to give the website strong appeal to a wide audience of users. The image immediately points the visitor towards the topic of thyroid cancer while the technical aspect of the project is addressed in the text. The image invites users from all backgrounds to read more. Regarding the texts and audio-visual material presented on the website, an effort was made to maintain a double

address throughout the website to ensure that the website will be of interest to all readers and visitors regardless of their background while maintaining a high level of scientific information.

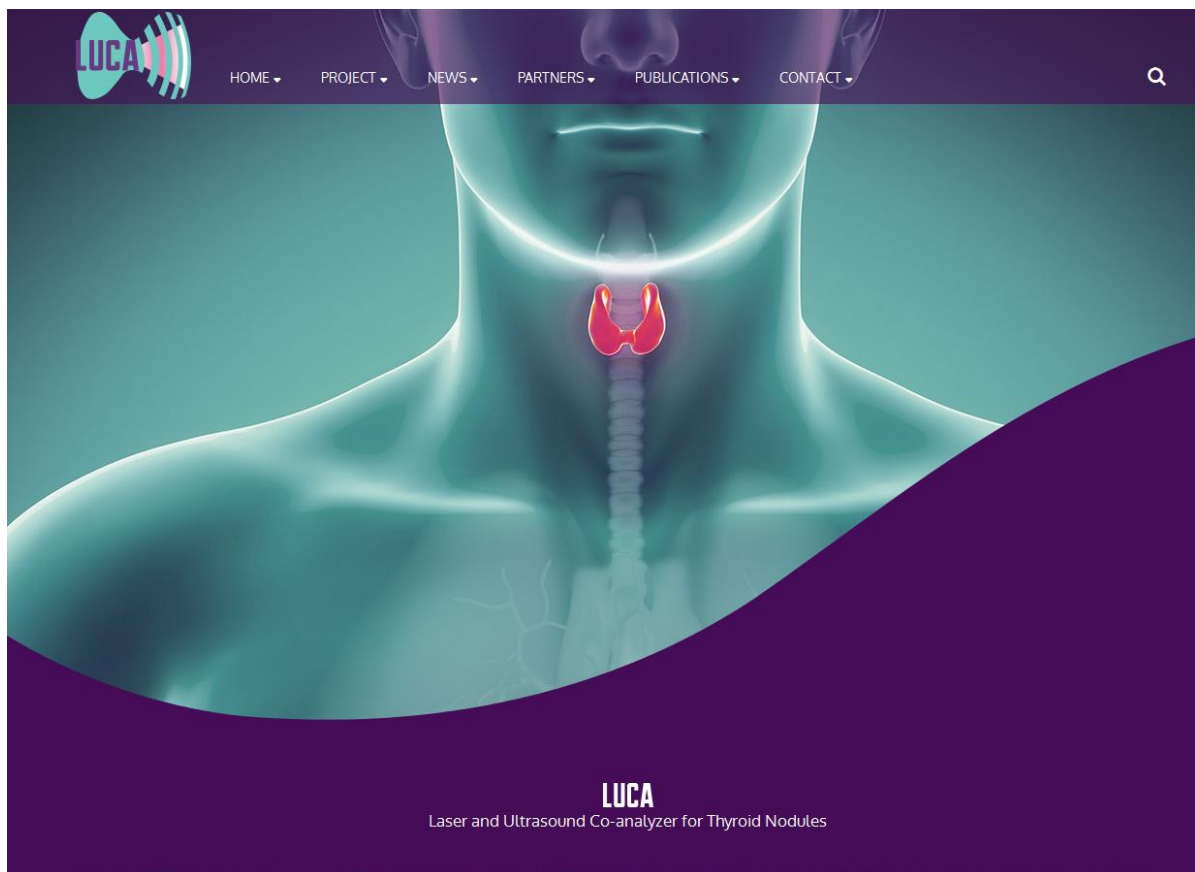
**The sections of the website include:**

- Home page
- News Section
- Project Description
  - LUCA YouTube Video Channel
  - Work Packages
  - Results
- Partners
- Publications & Media
  - Scientific Publications
  - Other Media
- Contact
- Legal notice

The project content related sections of website will be regularly updated according to project progress. It will serve as the central information system for all project-related information and communication activities throughout the project's lifetime and beyond.

The following series of screenshots provide an overview of the website's main scrolling page and some of the main subpages:

1. The top section of the main page of the LUCA Project website:





2. The view after the user has scrolled down slightly (project summary):

**LUCA**  
Laser and Ultrasound Co-analyzer for Thyroid Nodules

The Horizon 2020 project Laser and Ultrasound Co-analyzer for Thyroid Nodules (LUCA) aims to develop an innovative technology for thyroid cancer screening that will provide doctors with enhanced information required to provide better and more specific results in thyroid nodule screening and enable better diagnosis.

Thyroid cancer is a major and growing health challenge with around three hundred thousand new cases diagnosed worldwide annually. Current methods do not provide sufficient support to surgeons in their decision on the appropriate course of action, which leads to significant number of unnecessary surgeries and a reduced quality of life for patients. This calls for an increased sensitivity and specificity of the conventionally applied screening process.

LUCA tackles this need by producing a novel, point-of-care, low-cost device for the screening of thyroid nodules. The device will combine two photonics systems, near-infrared diffuse correlation spectroscopy and time-resolved spectroscopy, with a multi-modal ultrasound system and a probe that enables multimodal data acquisition for the screening of thyroid nodules for thyroid cancer. Once successful, LUCA will save millions of euros over the coming decades and improve the lives of millions of Europeans.

[Explore LUCA](#)

3. Latest news posts, which are then linked to more detailed news reports:

**LATEST NEWS**

**LUCA on YouTube**

LUCA now has its own YouTube channel. Subscribe and check out our latest video!

[READ MORE >](#)

**LUCA at ECR 2016**

**New EU-funded project to develop innovative technology for thyroid cancer screening**

The project Laser and Ultrasound Co-Analyzer for Thyroid Nodules (LUCA) is one of four successful project proposals supported by the European Institute for Biomedical Imaging Research (EIBIR) to receive funding under the EU Research and Innovation programme Horizon 2020. LUCA started in February 2016 and aims to develop a novel imaging technique for thyroid nodules.

The European Congress of Radiology's congress newspaper ECR Today featured an in-depth article about the LUCA project.

[READ MORE >](#)

**LUCA Kick-off Meeting**

The LUCA kick off meeting took place on February 21 and 22, 2016 in Vienna, AT.

[READ MORE >](#)



- About section with links to a page with work packages descriptions and a results repository which will contain all public deliverables:

**LUCA** HOME PROJECT NEWS PARTNERS PUBLICATIONS CONTACT

## About LUCA

Laser and Ultrasound Co-analyzer for Thyroid Nodules

LUCA is a four-year project tackling the growing societal need for sustainable healthcare by producing a novel, point-of-care, low-cost device for the screening of thyroid nodules. The device will combine two photonics systems, near-infrared diffuse correlation spectroscopy and time-resolved spectroscopy, with a multi-modal ultrasound system and a probe that enables multimodal data acquisition for the screening of thyroid nodules for thyroid cancer.

The LUCA device has the potential to represent a very innovative tool for other types of cancer diagnosis, screening and therapy monitoring in areas of the body accessible to both ultrasound and near-infrared diffuse optical technologies. LUCA is therefore expected to have a significant impact on the field of thyroid cancer but also additional areas of cancer screening.

Watch the LUCA video to find out more about our project.

[Read more](#)

The LUCA Project

### Work packages

LUCA is organized in seven work packages with specific objectives and sub-objectives that are tackled by a set of tasks that naturally come and collectively make up the project.

[Read more](#)

### Results

Follow the project progress by reading our public deliverables.

[Read more](#)



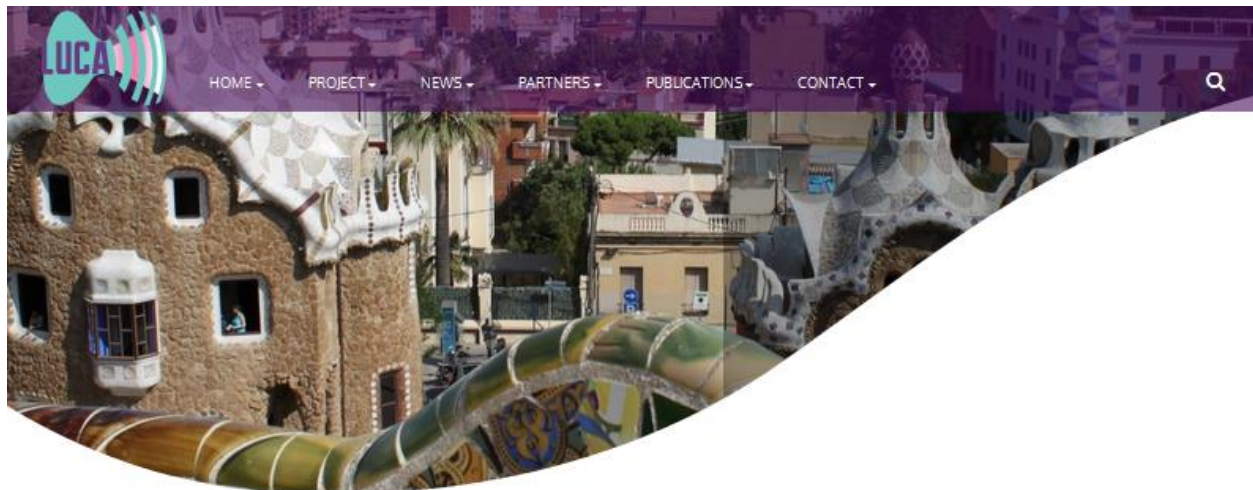
- Page with results repositories listing public deliverables which will be updated as the project progresses:

Name	Date	File
Project Presentation	2016-04-28	D6.10 Project Presentation.pdf

- Partners section with map to identify location of partners. Each country has separate page with description of each partner, see below:



7. Partner information page example (ICFO):



**ICFO - Institute of Photonic Sciences**



ICFO - The Institute of Photonic Sciences ([www.icfo.eu](http://www.icfo.eu)) was created in 2002 by the regional government of Catalonia and the Technical University of Catalonia. The Institute was launched with the mission to become a world-leading research center in Photonics. ICFO currently hosts more than 250 researchers organized in 23 research groups working in 60 state-of-the-art research laboratories, equipped with the latest experimental facilities and supported by a range of cutting-edge facilities for nanofabrication, characterization, imaging and engineering. The Institute is located in a specially designed, 14.000 m<sup>2</sup>- building situated in the Mediterranean Technology Park in the metropolitan area of Barcelona. ICFO is represented in the project by two groups/units: ICFO-Medical Optics group (ICFO) and ICFO-Knowledge and Technology Transfer unit (ICFO-KTT).

ICFO - Institute of Photonic Sciences
IDIBAPS
Hemophotonics

**Key Staff**



Dr. Turgut Durduran, Project Coordinator for LUCA, is a professor/group leader at ICFO and the recipient of a Ramon y Cajal fellowship from the Spanish government. He has found the ICFO-Medical Optics group in 2009 when he joined ICFO as an assistant professor/junior group leader. In 2014, he has received his tenure and became a professor/group leader. He also holds an adjunct assistant professor position in the Department of Radiology, University of Pennsylvania (Philadelphia, USA). He has led as a principal investigator or participated as a work-package leader/CO-PI in several collaborative research projects funded by national, regional and European institutions. He has coordinated two multi-partner projects from the Spanish government and is a WP leader in two European projects- OILTEBIA and BabyLux. He has recently completed a project funded jointly by the Catalan autonomous government and the European Union which has led to the formation of a spin-off company, HemoPhotonics (Spain). Over the years, he has participated in many grant review boards ranging from the National Institutes of Health to the review of the FP7 projects at the European Commission. He has authored 68 peer-reviewed papers and delivered forty invited talks in international conferences and colloquia.

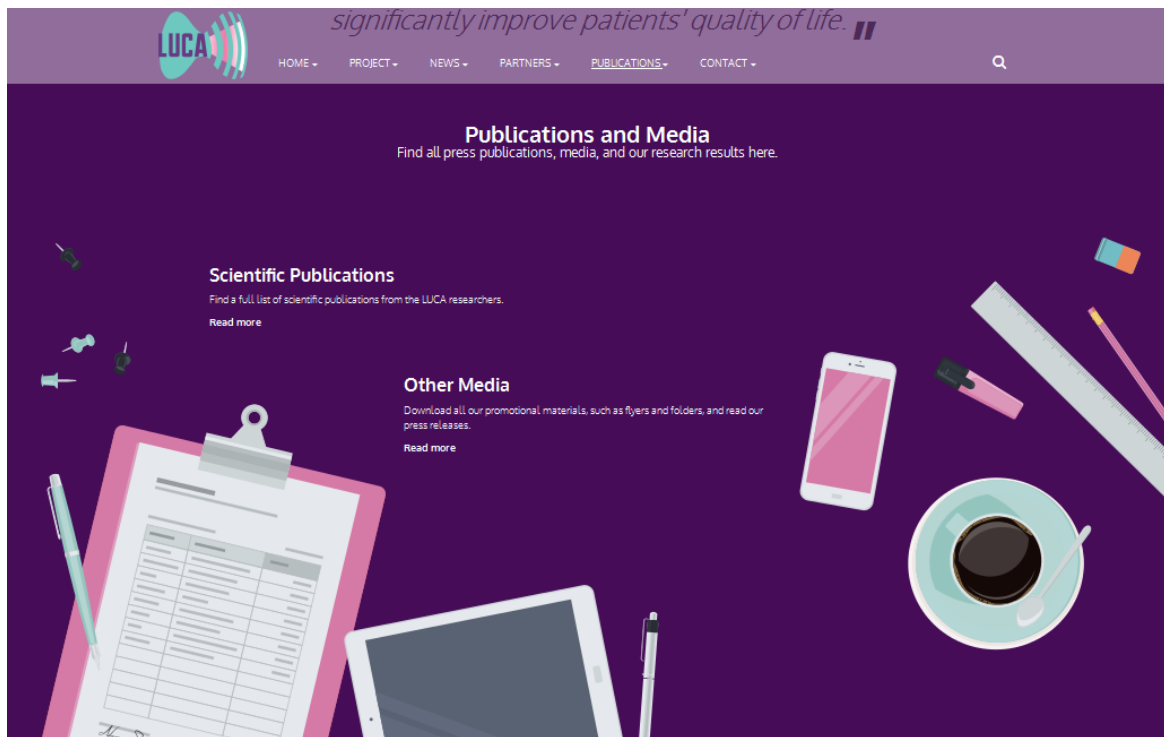
Dr. Silvia Carrasco heads Knowledge and Technology Transfer (KTT) at ICFO. She also serves as vice-president of the Spanish mirror of the European Platform Photonics21 since February 2009 and is also a Member of the Board of SECPHO, the Southern European Cluster in Photonics and Optics since 2013. She has a broad experience in IPR management. In particular she has built at ICFO a Corporate Liaison Program that serves as a bridge for ICFO and all types of industries and corporations to achieve common goals. Her experience in fostering collaborative projects between ICFO and all types of corporations includes the establishment of worldwide relationships with photonic manufactures, photonics distributors, and photonic users in different sectors. In LUCA, Silvia leads the exploitation and dissemination efforts from ICFO's side.



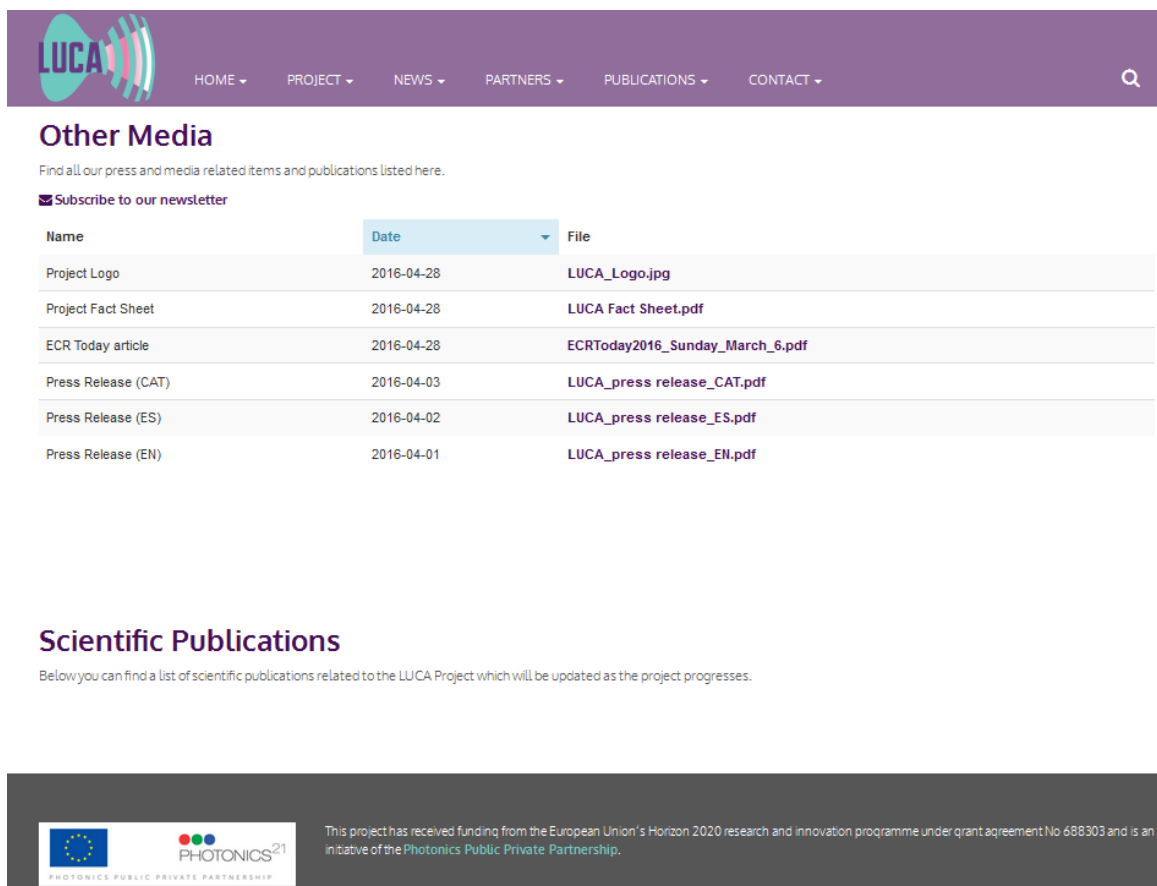
**Institut d'Investigacions Biomèdiques August Pi i Sunyer (IDIBAPS)**



- The press and publications section. By clicking read more the user is taken to a page with online repositories for open access publications and press material:

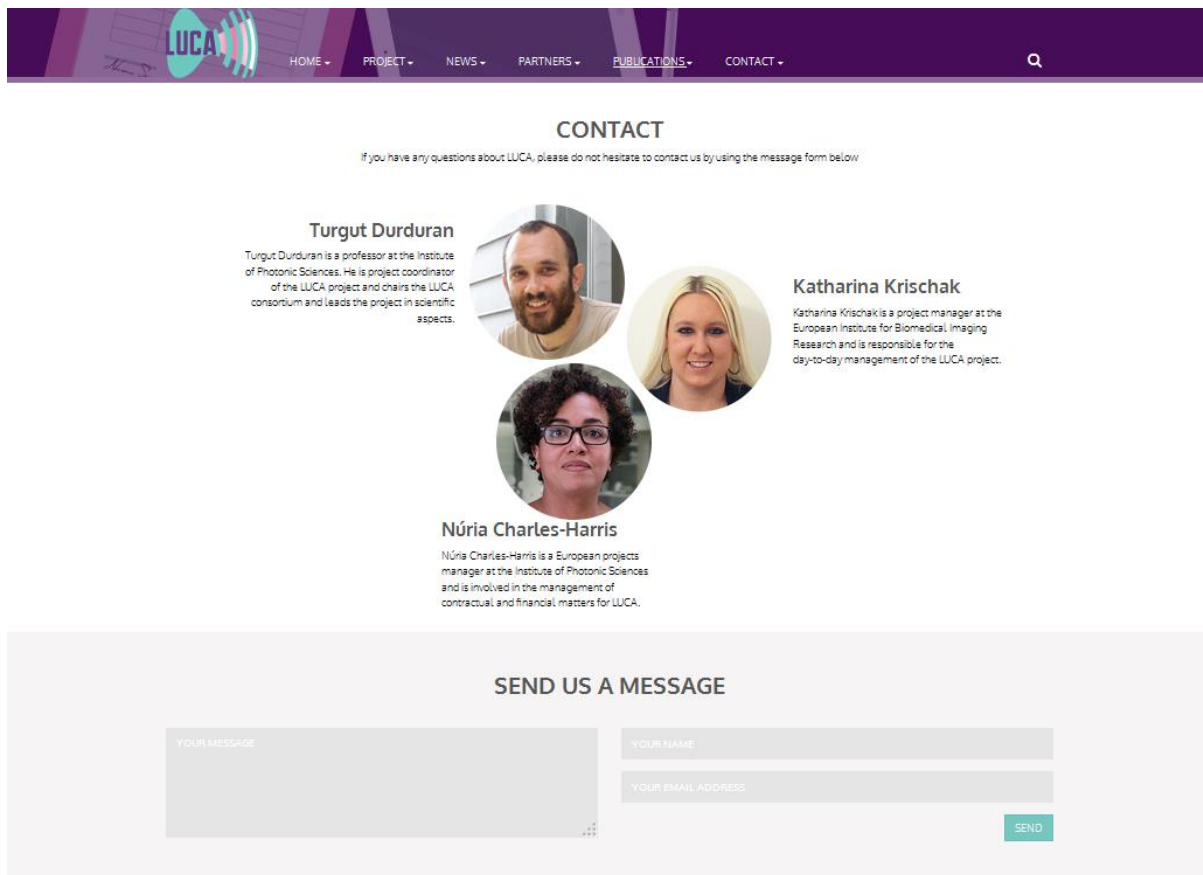


- Publications page with file repositories. Open access articles will be added as available:





10. The Contact section with details of the scientific coordinator and the project managers. All messages sent via the message function are sent directly to the email account of the project managers:



11. The website footer contains the EU emblem and statement on the funding source, mentions the Photonics Public Private Partnership, and includes a button to subscribe to the project newsletter:



### 3) Conclusion

A website dedicated to the LUCA project has been created. The site is divided into 7 sections: home page, news section, project description, partners, publication and media, contact and legal notice. Further details on the project, the project partners, and lists of publications, public reports, and dissemination material are provided on subpages. As intended, the project website addresses both a scientific readership as well as a more general audience and will serve as the main dissemination platform for the LUCA project.