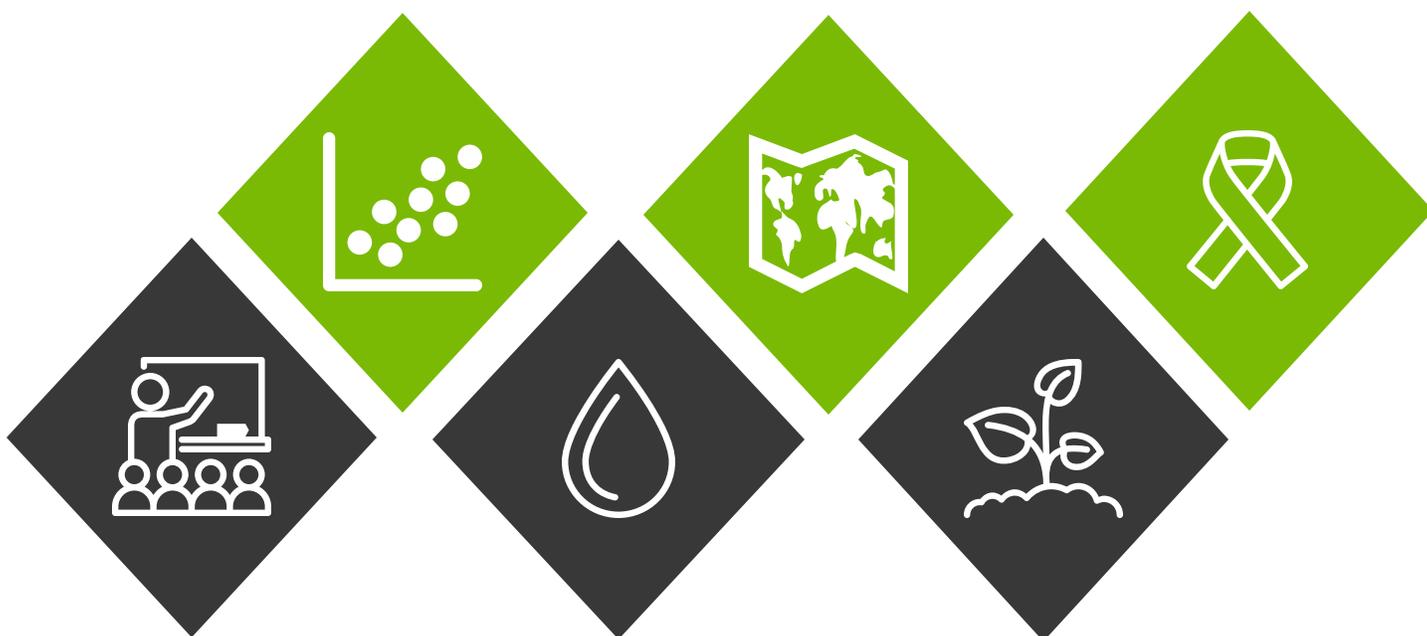




# WASABY



## WATER AND SOIL CONTAMINATION AND AWARENESS OF BREAST CANCER RISK IN YOUNG WOMEN

*Overview for Cancer Leagues*



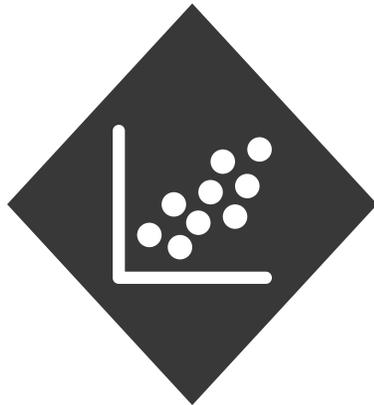
Co-funded by  
the Health Programme  
of the European Union



## CONTENTS

### PAGE 3

*Summary*



### PAGE 4

*Partners*



### PAGE 6

*Deliverables*



### PAGES 7-8

*Opportunities*

### PAGE 9

*Contacts*

# SUMMARY

## ABOUT WASABY

The WASABY Project is a 3-year project co-financed by the European Commission under the 3rd EU Health Programme (Call PP-2-5-2016).

The project call focuses on the dissemination of knowledge on breast cancer risk factors among young women in areas with higher-than-average breast cancer incidence in the EU, and encourages the investigation of the possible contribution of environmental factors.

To address the challenges of the proposal, WASABY will:

- collaborate with population-based cancer registries to identify areas of high breast cancer risk;
- improve the use of deprivation indexes in spatial analysis by cancer registries to help understand the influence of socio-economic status;
- prepare an ecological study on the association between water and soil contamination and breast cancer risk;
- prepare a useful web instrument to promote breast cancer prevention to young women (NB. not necessarily on W&S contaminants)



## OBJECTIVES

- **Map breast cancer risk to identify areas at higher risk using specific geographic information system (GIS)**
- **Review scientific literature of relationship between water/soil pollutants and breast cancer risk to support the *organisation of a pilot environmental study***
- **Promote primary prevention actions by which cancer risk could potentially be reduced among young women in the areas at higher risk**

# PARTNERS



- National Cancer Institute (Italy) [project lead]



- The Association of European Cancer Leagues (ECL)



- Institute of Oncology Ljubljana (Slovenia)



- University of Caen Normandy (France)



- University of Lübeck (Germany)

The project began on 1 January 2018 and will run for 36 months.

The lead partner for WASABY is the *Fondazione IRCCS Istituto Nazionale dei Tumori* (INT). In addition, INT leads the work packages on data management, and environmental risk factors and breast cancer.

The Association of European Cancer Leagues (ECL) is responsible for dissemination, including developing the primary prevention course.

## STRUCTURE

The Institute of Oncology (Ljubljana) is responsible for methods and analysis, whilst the University of Caen Normandy leads the work on deprivation indexes.

Finally, the University of Lübeck are responsible for evaluation.

The descriptions of the 7 Work Packages (WP) of the project are listed below:

| WP | TITLE  | DESCRIPTION   |
|----|--|---|
| 1  | Coordination                                 | Actions undertaken to manage the project and to make sure that it is implemented as planned                               |
| 2  | Dissemination                                | Actions undertaken to ensure that the results and deliverables of the project will be made available to the target groups |
| 3  | Evaluation                                   | Actions undertaken to verify if the project is being implemented as planned and reaches the objectives                    |
| 4  | Data management                              | Actions undertaken to manage and coordinate data for and from WP-5, WP-6 and WP-7   |
| 5  | Deprivation indexes                          | Construction of indicators of social and economic deprivation by the smallest geographical areas of countries             |
| 6  | Methods and analysis                         | Actions undertaken to design and validate a method for studying and mapping the variation of cancer risk within CRs areas |
| 7  | Environmental risk factors and breast cancer | Actions undertaken to study the relation between pollutants contamination and cancer risk                                 |

# DELIVERABLES

The table below details the main deliverables of the WASABY project and their indicative timing:

| #    | TITLE  | WP | PARTNER | CONTENT   | MONTH |
|------|--|----|---------|---|-------|
| D2.1 | Courses for young girls/adolescents  | 2  | ECL     | Online courses are designed and disseminated to young girls/adolescents in the target countries. A report is produced describing the key data necessary for evaluating the courses. | M32   |
| D4.1 | Cancer Registry (CR) survey  | 4  | INT     | Survey devoted to collect information to perform spatial analysis, and deprivation index estimate   | M4    |
| D4.2 | Protocol for CR data collection and Ethical Committees                         | 4  | INT     | Protocol describing data collection from CRs for breast cancer data   | M5    |
| D4.3 | Model on data management for spatial analysis of cancer incidence data         | 4  | INT     | Report describing the model to follow to perform spatial analysis on cancer risk mapping using several CR data  | M24   |
| D5.1 | Report on deprivation indexes available data                                   | 5  | FRA     | Report indicating the available data for estimating deprivation indexes in the various participating countries  | M15   |
| D5.2 | Report on EDI estimates  | 5  | FRA     | Report showing the estimation of European Deprivation Index (EDI) in the various participating countries  | M32   |
| D6.1 | Report on spatial analysis methodologies with CR data                          | 6  | SLO     | Report on methodologies that should be applied with CR data, also including an exemplification of cancer data utilization   | M20   |
| D6.2 | Practical manual for CR's personnel  | 6  | SLO     | Practical manual directed to CR's personnel to implement spatial analysis with cancer incidence data  | M34   |
| D6.3 | Report on spatial analysis of breast cancer incidence data from interested CRs | 6  | INT     | Spatial analysis results on breast cancer for participating CRs   | M34   |
| D7.1 | Literature review on environmental factors and breast cancer                   | 7  | INT     | Report on literature review on environmental factors and breast cancer  | M15   |
| D7.2 | Report on environmental data available for spatial analysis                    | 7  | INT     | Report on environmental data available for spatial analysis from national and European Environmental Protection Agencies  | M22   |
| D7.3 | Protocol for pilot environmental study   | 7  | INT     | Protocol describing data collection for pilot environmental study   | M26   |
| D7.4 | Report on environmental study results  | 7  | INT     | Report on result of pilot environmental study   | M36   |

# OPPORTUNITIES



## COLLABORATE WITH US!

Cancer leagues have the opportunity of engaging with the WASABY project by supporting the **development and dissemination of the primary prevention awareness module aimed at young females**, which is one of the key outcomes of the project.

The aim of the primary prevention module is to **increase awareness of breast cancer risk** and the established, evidence-based preventive measures that can be taken to reduce the risk of breast cancer.

To this end, the content of the module will be in full alignment with the 4th edition of the **European Code against Cancer**.

The module will be developed for use online and will be **translated into the national languages** of the countries selected to pilot the intervention. These countries will be identified based on the outcomes of the breast cancer risk maps developed by the project.

In the long term, the successful piloting of the course could lead to the translation of the materials into all EU languages for the widest possible dissemination.

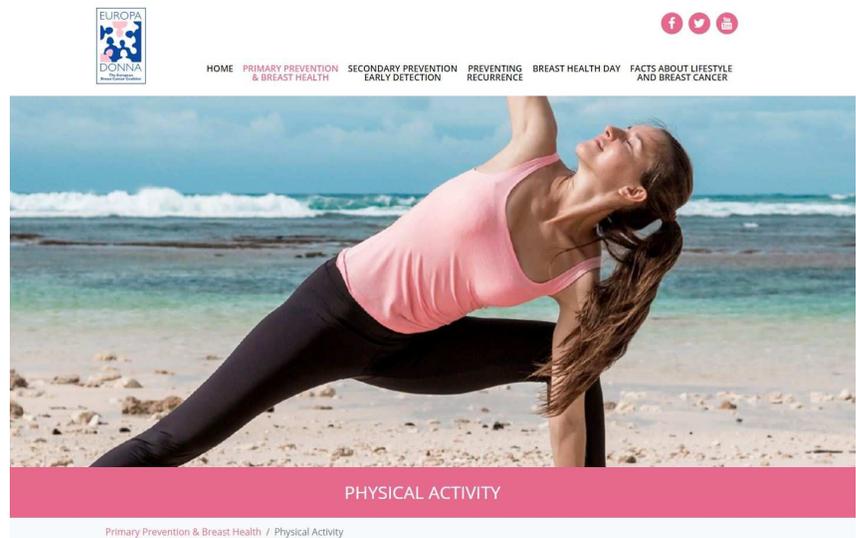
The module will use an interactive, anonymous, online and-user friendly platform which facilitates the easy adoption of correct habits in an attractive way.

It will be directed towards young females of school age (12-19 years old) as the age group fall in the critical windows of susceptibility to known effect of epigenetic marks, endocrine disruption and carcinogens.

## Key messages

The value for cancer leagues of collaborating with WASABY include:

- Informing the development of the online primary prevention module and adapting this for use in your local health education programmes;
- Opportunity to enhance the communication of the European Code Against Cancer and increase awareness of breast cancer risk among young girls and adolescents;
- Receiving timely information on the work to develop enhanced breast cancer risk maps, and the scientific study on the relationship relationship between pollutants concentration and breast cancer.



assessyourrisk<sup>®</sup>  
by bright link



1 in 8 women will develop breast cancer at some point in her lifetime. 1 in 75 will develop ovarian cancer.

Bright Pink created this tool to help you assess your personal risk level for breast and ovarian cancers. The more you know, the better prepared you are to take actions that can help reduce your risk.

Your body. Your life.  
Don't leave it up to chance.

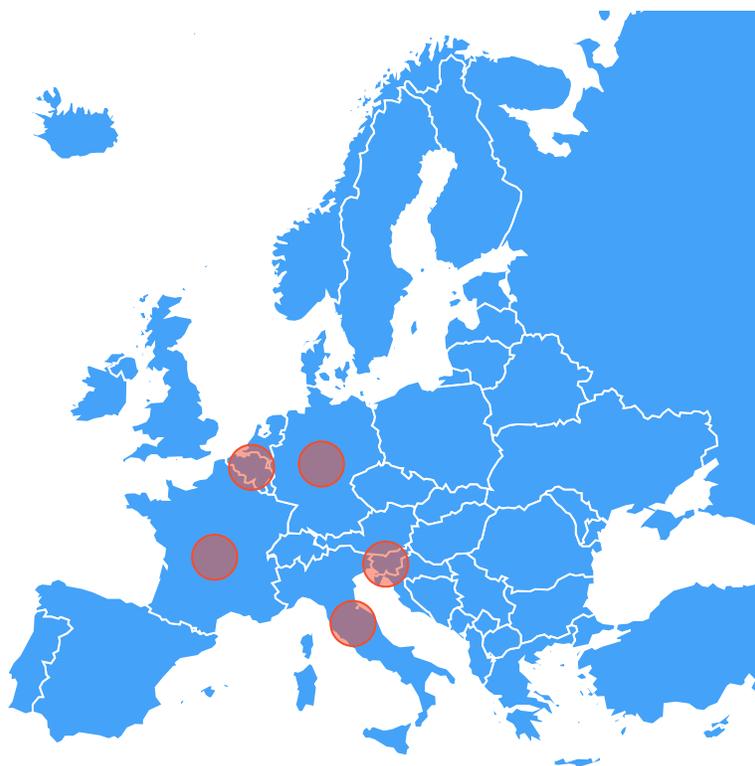
ASSESS YOUR RISK



# W A S A B Y

Visit our website:  
[www.wasabysite.it](http://www.wasabysite.it)

Contact:  
[david@europeanoncologyleagues.org](mailto:david@europeanoncologyleagues.org)



Co-funded by  
the Health Programme  
of the European Union