

Horizon 2020 - H2020-MSCA-ITN-2017



Project: 766251– NEUROSOME

Full project title:

EXPLORING THE NEUROLOGICAL EXPOSOME

D2.3 NEUROSOME Website

WP2: Dissemination and communication

Lead beneficiary: URV

Date: January 2018

Nature: ADM

Dissemination level: Public



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1 Executive Summary


The purpose of this deliverable is to present the NEUROSOME project's web-based dissemination portal, which will be the web gateway of NEUROSOME, offering dedicated functionalities and interactive tools for effective dissemination of the project results, while supporting effective scientific networking and training.

The NEUROSOME website is located at <http://www.neurosoma.eu>, and it has been implemented and hosted by AUTH. The website is the first point of access for all interested scientific and business parties in order to raise and grow awareness over the project results on the broadest possible international scale and as the integral project knowledge base for the consortium members. In this light it will serve as a major communication and dissemination tool throughout the entire project providing a virtual place to outreach to stakeholders and end-users, to exchange and discuss experiences, methodologies and results targeting both lay people and professionals.

The website content will be constantly updated with new material, public deliverables, publications, news, events, etc. It also includes links to the project's social media pages.

The NEUROSOME website also includes an intranet platform, through which the participating partners can collaborate and share resources.

This document is part of NEUROSOME project's WP2 – Dissemination and Communication.

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2 Introduction

The NEUROSOME project will develop an integrative biology-based framework starting from human biomonitoring data to unravel causal associations among the genetic predisposition, cumulative exposure to multiple environmental chemicals and neurological disorders. The final aim is to improve scientific knowledge on cause and effect relations between environmental stressors and neurodevelopmental disorders taking into account exposure and health effect modification due to intrinsic (e.g. genetic susceptibility) and extrinsic (e.g. diet and socioeconomic status) factors.

NEUROSOME focuses on the provision of trans-disciplinary research training to young researchers through a combination of network-wide training programs and individual personalised training-through-research projects to deliver to the EU and the world a new cohort of researchers trained in cutting edge transdisciplinary environmental health sciences

It is important that the NEUROSOME website reflects the project's role and provides public access to useful content, while informing any interested party about the project's progress and outputs. The NEUROSOME website is structured in a simple and clean way, allowing fast and easy access to all the available information. Important aspects of the project, such as news and events, are highlighted on the website first page. The visual design is fresh and modern and it is based on green and yellow hues that depict the project core nature. The website is compatible with all the major web browsers and it is also responsive, so that it can be efficiently be viewed by different devices.

The NEUROSOME website is a core part of the project's dissemination plan and, as such, it will be updated regularly with new content, making sure that the visitors will always be up to date with the project's progress and outcomes.

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3 Project's Website

3.1 Website Infrastructure

The NEUROSOME project's website is available through the address <http://www.NEUROSOME2020.eu/>. It has been designed and implemented by AUTH in WordPress, which is an open-source CMS with a very strong community of many hundreds of developers, and excellent support.

The layout of the website is responsive, providing an optimal viewing and interaction experience, regardless of the used device (pc, tablet, smartphone). The website automatically detects the device through which the user is visiting, adapting the layout to the viewing environment by using fluid, proportion-based grids, flexible images and CSS3 media queries.


Google Analytics have been integrated on the website, so that the administrators are able to track statistics regarding the website traffic (total number of visitors, total number of new visitors, how long visitors stay on each page, most popular pages, etc.).

Finally, the NEUROSOME dissemination website is Search Engine Optimization (SEO) friendly, and basic SEO practices have been applied (fixing of the meta elements, keywords, optimization for performance).

3.2 Website Structure

A clean, informative and modern design has been implemented, so that easy and fast access is offered to all basic information about the project, organized under the following structure:

- **Home Page:** Includes an overview of the main topics, along with special announcements, latest tweets, recent posts and links to the project's social media pages.
- **About:** Presents the project's overview and rationale, its objectives and the list of the participating partners with links to their websites .
- **Application Information:** provides all the necessary information for the ESRs recruitment. The section includes the text of the call for ESRs applications, the application form, the eligibility criteria as well as key information on the selection process. The full description of each Individual Research Projects is also reported.
- **Workplan:** Includes information the overall scientific strategy as well as on the various project's work packages.
- **Output:** includes publicly available deliverables and milestones.
- **More:** provides access to the "Training schedule", "Useful links" pages as well as the link to the NEUROSOME Intranet.
- **Outreach:** includes links to NEUROSOME Blog and to the "News" page which provides access to any important news that is communicated through the website. In addition, scientific publications and dissemination material are also accessible from this section.
- **Training material:** includes different types of material (e.g. presentations, videos, lectures, etc.) useful for ESRs training.
- **Contact:** Provides information on how any interested party can get in contact with the project's coordinators.

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In the following paragraphs the content of each section is described, along with indicative screenshots from the website different sections.

3.2.1 Home Page

The website home page header includes the project logo, the main menu, through which the visitors can navigate to the various sections, and links to the projects social media pages.

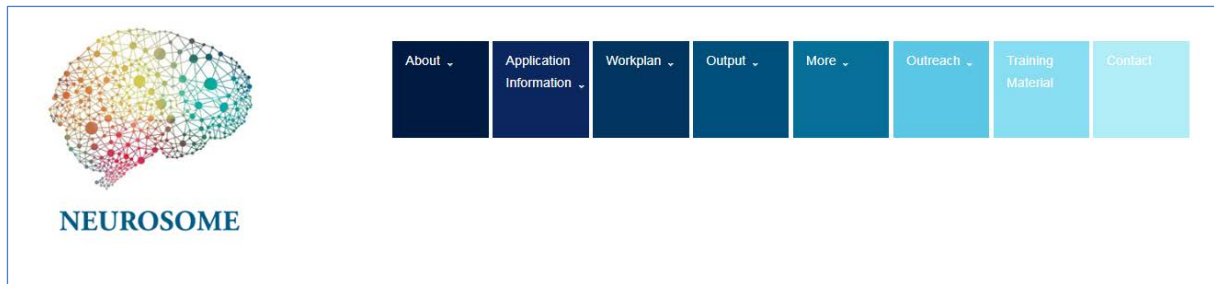


Figure 1: Home Page Header

After the header, the main content of the home page is included, with links to important sections of the website and special announcements.

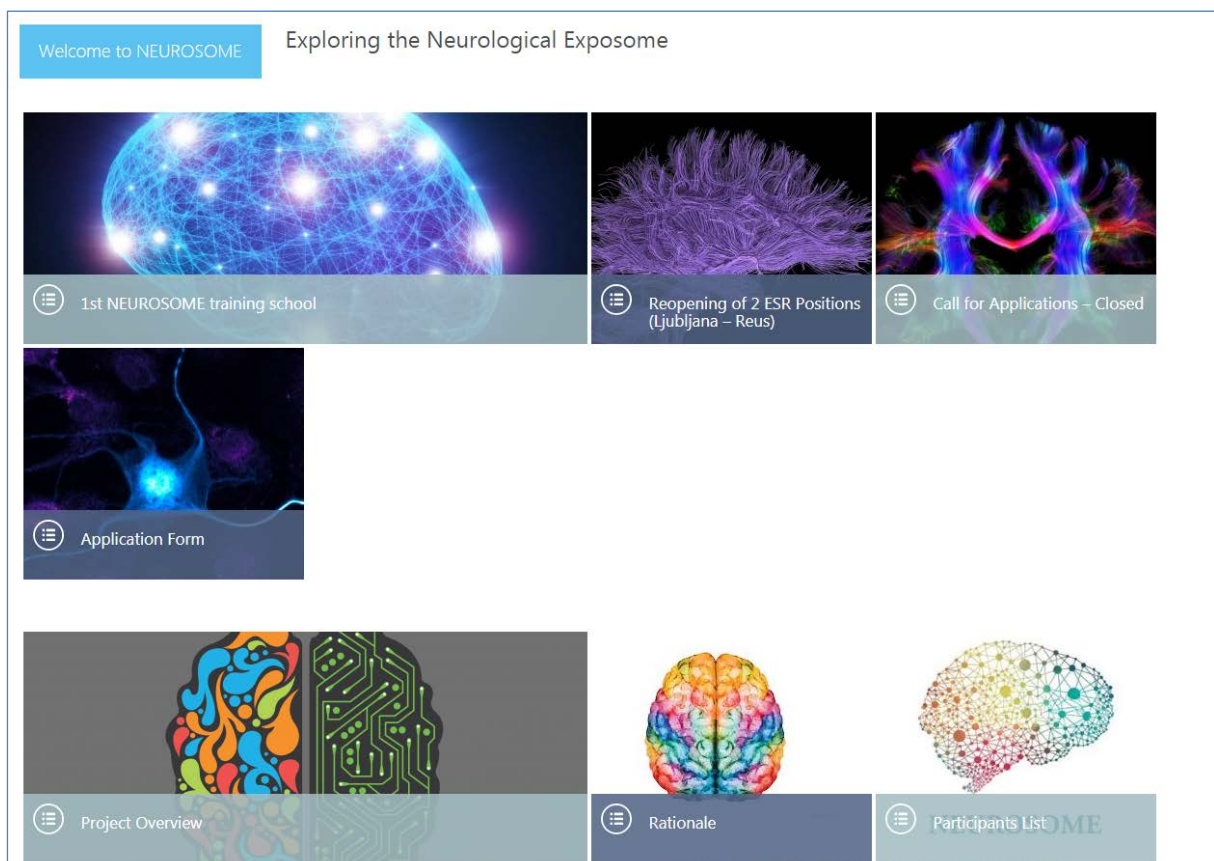






Figure 2: Home Page Content

Finally, the home page footer includes the latest tweets, recent posts (not available by the time this deliverable has been edited) and the logo of the European Commission, linking to the Horizon 2020 programme website.

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 Recent Posts

 Page Counter

 Research Project Funded By:

03 May.

1st NEUROSOME training school
The 1st NEUROSOME training school will be co-organised by Prof. Dimosthenis Sarigiannis and Prof. Aris Tsatsakis in the frame of...

04 Jul.

Reopening of 2 ESR Positions (Ljubljana – Reus)
COORDINATING ORGANISATION Aristotle University of Thessaloniki on behalf of the NEUROSOME consortium RESEARCH FIELDS Biological Sciences, Neurosciences, Pharmacological Sciences > Toxicology RESEARCHER PROFILE First Stage...


31 Jan.

Call for Applications – Closed
COORDINATING ORGANISATION Aristotle University of Thessaloniki on behalf of the NEUROSOME consortium RESEARCH FIELDS Computational biology, Genetic epidemiology, Bioinformatics, Systems biology, Metabolomics, Human...

31 Jan.


Application Form
You can download the application form here. Please fill in the form and save it as pdf file. Then, send your...

Number of Visitors: 6157
Number of Page Views: 16901



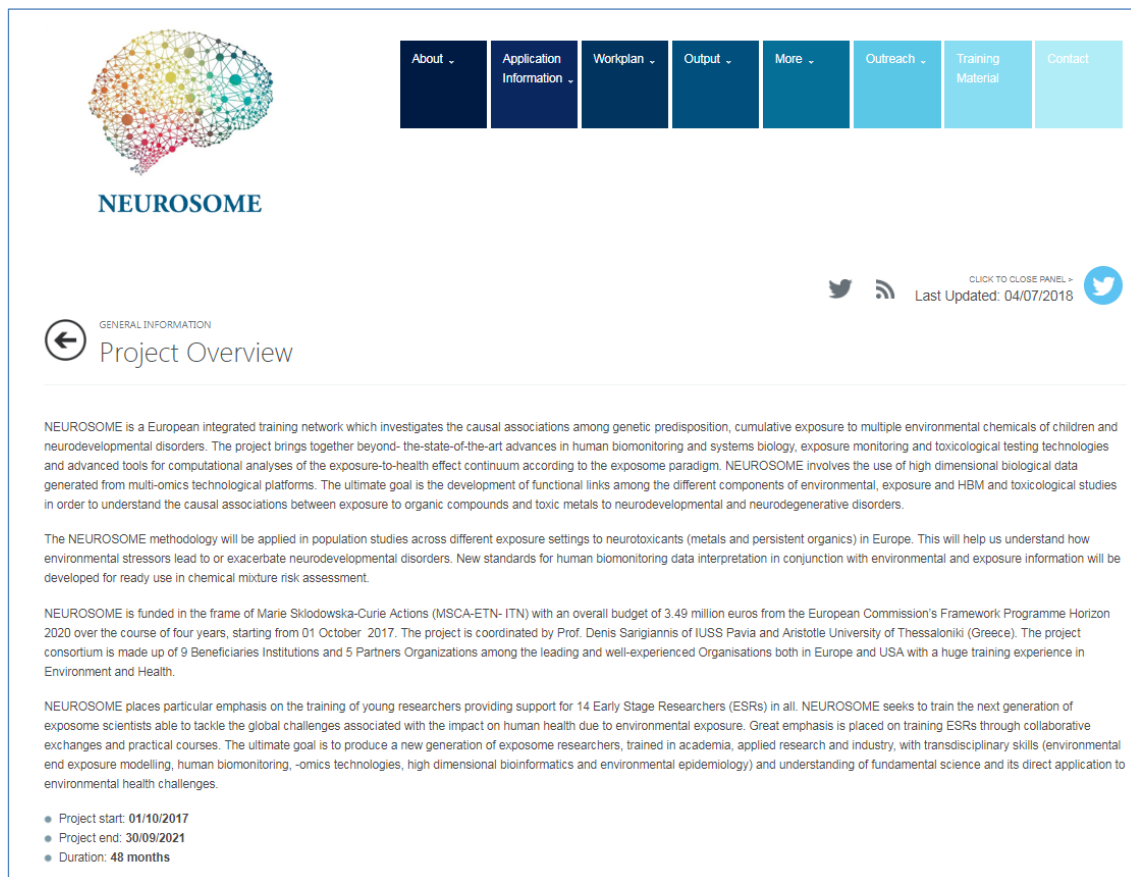
The Horizon 2020 Research and Innovation programme under the Marie Skłodowska-Curie grant agreement No. 766251

Figure 3: Home Page Footer

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3.2.2 “About” Section

The “About” section of the website is accessible from the main menu and it includes links to other pages (Project Overview, Objectives, Participants List, Participating Cities).



NEUROSOME

About Application Information Workplan Output More Outreach Training Material Contact

GENERAL INFORMATION
Project Overview

NEUROSOME is a European integrated training network which investigates the causal associations among genetic predisposition, cumulative exposure to multiple environmental chemicals of children and neurodevelopmental disorders. The project brings together beyond- the-state-of-the-art advances in human biomonitoring and systems biology, exposure monitoring and toxicological testing technologies and advanced tools for computational analyses of the exposure-to-health effect continuum according to the exposome paradigm. NEUROSOME involves the use of high dimensional biological data generated from multi-omics technological platforms. The ultimate goal is the development of functional links among the different components of environmental, exposure and HBM and toxicological studies in order to understand the causal associations between exposure to organic compounds and toxic metals to neurodevelopmental and neurodegenerative disorders.

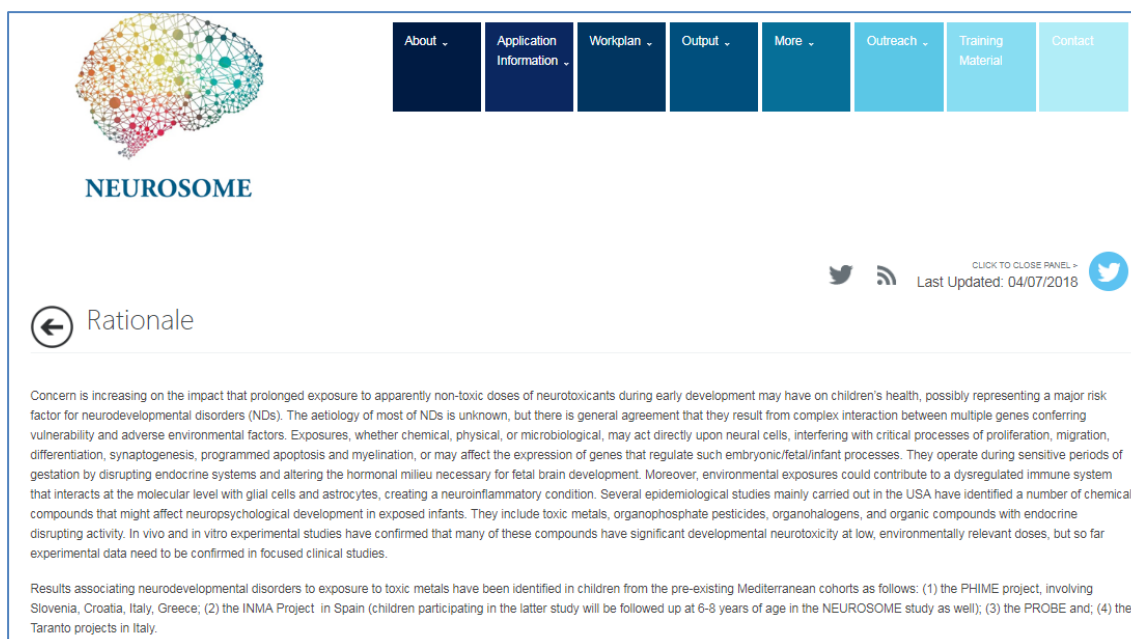
The NEUROSOME methodology will be applied in population studies across different exposure settings to neurotoxicants (metals and persistent organics) in Europe. This will help us understand how environmental stressors lead to or exacerbate neurodevelopmental disorders. New standards for human biomonitoring data interpretation in conjunction with environmental and exposure information will be developed for ready use in chemical mixture risk assessment.

NEUROSOME is funded in the frame of Marie Skłodowska-Curie Actions (MSCA-ETN- ITN) with an overall budget of 3.49 million euros from the European Commission's Framework Programme Horizon 2020 over the course of four years, starting from 01 October 2017. The project is coordinated by Prof. Denis Sarigiannis of IUSS Pavia and Aristotle University of Thessaloniki (Greece). The project consortium is made up of 9 Beneficiaries Institutions and 5 Partners Organizations among the leading and well-experienced Organisations both in Europe and USA with a huge training experience in Environment and Health.

NEUROSOME places particular emphasis on the training of young researchers providing support for 14 Early Stage Researchers (ESRs) in all. NEUROSOME seeks to train the next generation of exposome scientists able to tackle the global challenges associated with the impact on human health due to environmental exposure. Great emphasis is placed on training ESRs through collaborative exchanges and practical courses. The ultimate goal is to produce a new generation of exposome researchers, trained in academia, applied research and industry, with transdisciplinary skills (environmental end exposure modelling, human biomonitoring, -omics technologies, high dimensional bioinformatics and environmental epidemiology) and understanding of fundamental science and its direct application to environmental health challenges.

- Project start: 01/10/2017
- Project end: 30/09/2021
- Duration: 48 months

Figure 4:Project Overview Page



NEUROSOME


About Application Information Workplan Output More Outreach Training Material Contact

Rationale

Concern is increasing on the impact that prolonged exposure to apparently non-toxic doses of neurotoxicants during early development may have on children's health, possibly representing a major risk factor for neurodevelopmental disorders (NDs). The aetiology of most of NDs is unknown, but there is general agreement that they result from complex interaction between multiple genes conferring vulnerability and adverse environmental factors. Exposures, whether chemical, physical, or microbiological, may act directly upon neural cells, interfering with critical processes of proliferation, migration, differentiation, synaptogenesis, programmed apoptosis and myelination, or may affect the expression of genes that regulate such embryonic/fetal/infant processes. They operate during sensitive periods of gestation by disrupting endocrine systems and altering the hormonal milieu necessary for fetal brain development. Moreover, environmental exposures could contribute to a dysregulated immune system that interacts at the molecular level with glial cells and astrocytes, creating a neuroinflammatory condition. Several epidemiological studies mainly carried out in the USA have identified a number of chemical compounds that might affect neuropsychological development in exposed infants. They include toxic metals, organophosphate pesticides, organohalogenes, and organic compounds with endocrine disrupting activity. In vivo and in vitro experimental studies have confirmed that many of these compounds have significant developmental neurotoxicity at low, environmentally relevant doses, but so far experimental data need to be confirmed in focused clinical studies.

Results associating neurodevelopmental disorders to exposure to toxic metals have been identified in children from the pre-existing Mediterranean cohorts as follows: (1) the PHIME project, involving Slovenia, Croatia, Italy, Greece; (2) the INMA Project in Spain (children participating in the latter study will be followed up at 6-8 years of age in the NEUROSOME study as well); (3) the PROBE and; (4) the Taranto projects in Italy.

Figure 5:Rationale Page

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 PARTNERS & SCIENTIFIC ADVISORY BOARD		
Participants List		
Partners:		
Beneficiary Institutions	Contact person	Email
Aristotle University of Thessaloniki(EL)	Prof. D. Sarigiannis	denis@eng.auth.gr
Istituto Superiore di Sanità (IT)	Dr. G. Calamandrei and Dr. A. Alimonti	gemma.calamandrei@iss.it alessandro.alimonti@iss.it
Spanish Council for Scientific Research (ES)	Prof. J. Grimalt	joan.grimalt@idaea.csic.es
Jožef Stefan Institute (SI)	Prof. M. Horvat	milena.horvat@ijs.si
University of Paris Descartes (FR)	Prof. R. Barouki	robert.barouki@parisdescartes.fr
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Institute for Advanced Study (IT)	Prof. D. Sarigiannis	denis.sarigiannis@iusspavia.it
Istituto di ricovero e cura a carattere scientifico Burlo Garofolo (IT)	Dr. L. Ronfani	luca.ronfani@burlo.trieste.it
Partner Organizations		
UPCOM	Dr. K. Flokos	kflokos@upcom.eu
Johns Hopkins Bloomberg School of Public Health	Prof. T. Hartung	thartun1@jhu.edu
Emory Rollins School of Public Health	Prof. G. Miller	gwmille@emory.edu
US EPA Office of Research and Development /Human Exposure Modelling Branch	Prof. P. Egeghy	Egeghy.Peter@epa.gov
Harvard Medical School – Department of Biomedical Informatics	Prof. C. Patel	chirag@hms.harvard.edu

Figure 6: Participants List Page

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3.2.3 “Application information” Section

The “Application information” Section provides all the necessary information for the ESRs recruitment. The section includes the text of the call for ESRs applications, the application form, the eligibility criteria and information on the selection process. Moreover, the full description of each Individual Research Projects is reported.

 Application Form

You can download the application form [here](#).

Please fill in the form and save it as pdf file. Then, send your application as a .pdf file (maximum acceptable file size: 10 MB) to denis@eng.auth.gr until **03/09/2018 17:00 CET**.

Please read carefully the information you provided. Applications that are incomplete will not be accepted.

You can preview the document below:

Recent

Popular


03 May
1st NEUROSOME training school
The 1st NEUROSOME training school will be co-organised by Prof. Dimosthenis Sarigiannis...


04 Jul
Reopening of 2 ESR Positions (Ljubljana – Reus)
COORDINATING ORGANISATION Aristotle University of Thessaloniki on behalf of the NEUROSOME consortium RESEARCH FIELDS Biological...

31 Jan.
Call for Applications – Closed
COORDINATING ORGANISATION Aristotle University of Thessaloniki on behalf of the NEUROSOME consortium RESEARCH FIELDS Computational...

31 Jan.
Application Form
You can download the application form here. Please fill in the form and...

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ESR APPLICATION FORM
EXPLORING THE NEUROLOGICAL EXPOSOME (NEUROSOME)

Applicant details

Name	
Date of Birth	
Sex	
Address	
Email address	
Phone Number	
Country of Citizenship	

Please state your country of residence in the past 4 years


Year	from	to	Country
2017			
2016			
2015			
2014			

(Modify as needed if years are split between countries)

Please note: regulations of the MSCA program stipulate that researchers must not have resided or carried out their main activity (work, studies, etc.) in the country of their host organisation for more than 12 months in the 3 years immediately prior to their recruitment.

Academic Qualifications

Figure 7: The Application Form page under the “Application information” Section

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3.2.4 “Workplan” Section

The “Workplan” section of the website is accessible from the main menu and it includes links to the NEUROSOME Work Packages pages.

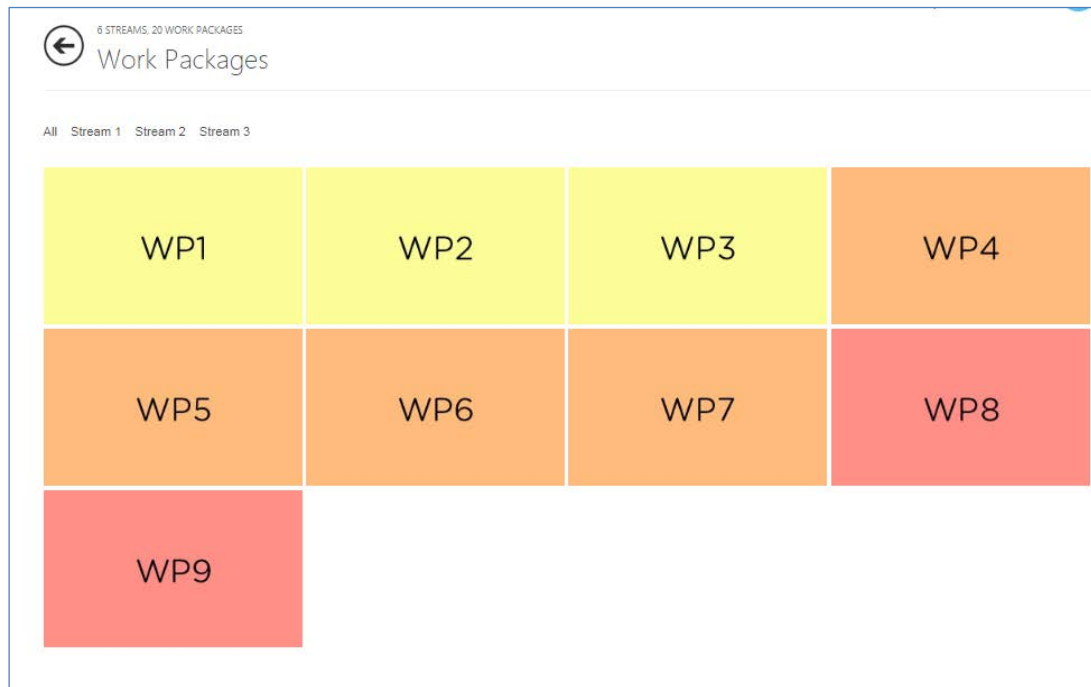



Figure 8: Work Packages Page

3.2.5 “Output” Section

The “Output” section of the website is accessible from the main menu and it includes links to the main project’s outputs (public deliverables and milestones).

Deliverables						
Deliverable Number	Deliverable Title	WP number	Lead beneficiary	Type	Dissemination level	Due Date
D1.1	Report on network strategy meeting	WP1	AUTH	Report	Confidential, only for members of the consortium (including the Commission Services)	August 2018
D1.2	SB meeting report	WP1	AUTH	Report	Confidential, only for members of the consortium (including the Commission Services)	September 2018
D1.3	Report on ethic audits	WP1	AUTH	Report	Confidential, only for members of the consortium (including the Commission Services)	October 2018
D1.4	Management and activity periodic reports	WP1	AUTH	Report	Confidential, only for members of the consortium (including the Commission Services)	October 2019
D1.5	Consortium Agreement	WP1	AUTH	Report	Confidential, only for members of the consortium (including the Commission Services)	November 2017
D1.6	Supervisory Board of the network	WP1	AUTH	Report	Confidential, only for members of the consortium (including the Commission Services)	November 2017
D1.7	Progress report	WP1	AUTH	Report	Confidential, only for members of the consortium (including the Commission Services)	October 2018
D2.1	Leaflets	WP2	URV	Report	Public	December 2017

Figure 9: The Deliverables page under the “Output” Section

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3.2.6 “More” Section

The “More” section of the website is accessible from the main menu and it provides access to the “Training schedule”, “Useful links” pages as well as the link to the NEUROSOME Intranet.

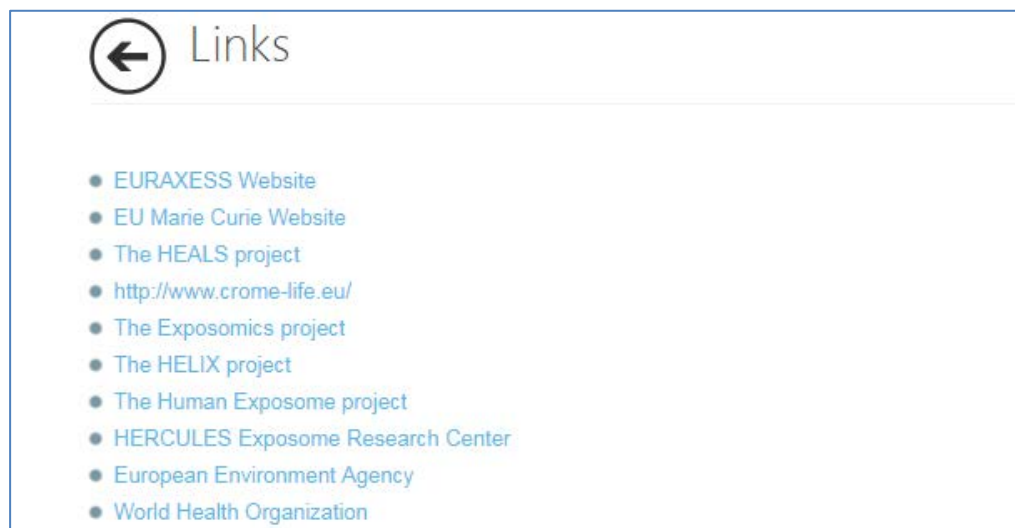


Figure 10: The “Useful links” page under the “More” section.

3.2.7 “Outreach” Section

The “Outreach” section of the website is accessible from the main menu and it includes links to NEUROSOME Blog and to the “News” page which provides access to any important news that is communicated through the website. In addition, scientific publications and dissemination material are also accessible from this section.

3.2.8 “Training material” Section

The “Training material” section of the website is accessible from the main menu and it includes different types of material (e.g. presentations, videos, lectures, etc.) useful for ESRs training.

3.2.9 “Contact” Section

The “Contacts ” section of the website is accessible from the main menu and it provides the Project Coordinator contacts.