



D6.4 – R2D2-MH online information and training platform

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Abstract

The overall aim of WP6 is to maximize impact and to prepare future exploitation by ensuring that the knowledge and results obtained from the research and innovation work done in R2D2-MH are widely communicated to the various target groups. As part of WP6, the R2D2-MH online information and training platform (Deliverable 6.4) is aimed at enhancing the trust and motivation of stakeholders on a long-term basis. Embed in the dissemination and communication strategy, and integrated in the project's website (Deliverable 6.3), the R2d2-MH online information and training platform was designed to address the needs of key stakeholder's target groups and will provide them with resources, educational material, recommendations. The R2D2-MH will also favor the uptake of the project's results and outcomes by end-users and stakeholders, thus contributing to the sustainability of the project.

Keywords

Website, information, training, learning, educational, end-users, stakeholders, accessibility, co-creation

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DEC

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PU	Public, fully open. e.g., website	✓
CL	Classified information as referred to in Commission Decision 2001/844/EC	
CO	Confidential to R2D2 project and Commission Services	

* Deliverable types:

R: document, report (excluding periodic and final reports).

DEM: demonstrator, pilot, prototype, plan designs.

DEC: websites, patent filings, press and media actions, videos, etc.

OTHER: software, technical diagrams, etc.

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Abbreviations

ADHD	Attention Deficit / Hyperactivity Disorder
FAQs	Frequently Asked Questions
ID	Intellectual Disability
NDD	Neuro-Developmental diversity
Q/A	Questions and Answers
R2D2-MH	Risk and Resilience in Developmental Diversity and Mental Health
WP	Work Package

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Executive summary

In order to increase public awareness about the R2D2-MH project and to make the project's results widely available and its impact, a number of dissemination and communication activities are foreseen as part of the project work plan. Work Package 6 (WP6) of R2D2-MH covers the dissemination, communication, and exploitation activities of the project. The overall aim of WP6 is to maximize impact and to prepare future exploitation by ensuring that the knowledge and results obtained from the research and innovation work done in R2D2-MH are widely communicated to the various target groups. As part of WP6, the R2D2-MH online information and training platform (Deliverable 6.4) is aimed at enhancing the trust and motivation of stakeholders on a long-term basis. Embed in the dissemination and communication strategy, and integrated in the project's website (Deliverable 6.3), the R2d2-MH online information and training platform was designed to address the needs of key stakeholder's target groups and will provide them with resources, educational material or recommendations. The R2D2-MH will also favor the uptake of the project's results and outcomes by end-users and stakeholders, thus contributing to the sustainability of the project.

1 Project Objectives

Mental Health problems affect 38,2% of the EU population and cost EU economies €600 billion per year. Neurodevelopmental conditions are often affecting growth and development in the brain and typically start early in life. These include conditions such as autism, Attention-Deficit Hyperactivity Disorder (ADHD) or Intellectual Disabilities (ID). Neurodivergent people and their families experience greater discrimination and stigma that has a further negative impact on mental well-being. Currently, there are no highly effective, evidenced based approaches to improve medium to long-term MH outcomes in the context of neurodiversity and developmental diversity more general. This is due partly to a limited understanding of the neurobiological mechanisms involved in the transition from MH to illness throughout the life course and the interaction with environmental factors. The distinction between diversity and disorder is exactly where R2D2-MH comes in.

R2D2-MH will adopt a new approach to improve the well-being of neurodivergent individuals. They will move away from studying only risk and move towards an enhanced understanding and promotion of resilience. In doing so, they will consider developmental diversity as well as diagnosis as factors that influence wellbeing and functioning across the entire lifespan.

R2D2-MH will study the biological, cognitive, and psychological underpinnings of resilience as positive adaptation in the context of two major early risk factors for MH conditions: genetic likelihood for neurodiversity and/or preterm birth. The novelty here is to quantify resilience in addition to risk. To achieve this, our highly interdisciplinary consortium will focus on the following objectives:

- Provide the largest European multi-scale dataset on early human brain development and MH outcomes
- Identify biological mechanisms of resilience to reduce the adverse effects of developmental conditions
- Co-develop, with the stakeholders, new digital tools to increase participatory research/medicine and reduce stigma
- Establish predictive models to guide personalised interventions.

2 Scope of the document

Deliverable 6.4 (D6.4) presents the R2D2-MH Online information and training platform which is one of the objectives of WP6, as part of Task 6.3. The R2D2-MH Online information and training platform is available on the project website at <https://www.r2d2-mh.eu/> and will be the main channel to inform and train the general public, key stakeholders and project's partners throughout the duration of the project.

The aims of the R2D2-MH Online information and training platform are to:

- Provide the general public with useful resources in the field of NDDs and mental health
- Provide the general public with tools to better understand research that is being conducted in the field
- Provide members of the consortium with educational material, as recordings of internal webinar series and supporting resources

- Share knowledge or recommendations with stakeholders', as researchers, clinicians, healthcare givers and policy makers, building on the project's results and on the feedback from citizens involved in the project (co-creation),
- Provide key stakeholders with educational material to be further used in their everyday practice

3 The R2D2-MH online information and training platform

3.1 Layout and format

The layout of the R2D2-MH online information and training platform has been developed based on the analysis of 6 platforms from other ongoing EU projects in various fields. Several criteria have been considered to decide on the best architecture and format for the R2D2-MH platform:

- How are all stakeholders' target groups addressed and how is it displayed on the landing page?
- What kind of resources are made available? How specific areas are restricted?
- How can visitors navigate between pages and find relevant content, e.g. can information be sorted or filtered;
- Is the design user-friendly and accessible, and adapted to the stakeholders' group targeted?

The platform has been developed considering all these criteria, as well as accessibility criteria specific to R2D2-MH target groups (developed in Deliverable 6.3) and is presented in the sections below.

3.2 Landing page

The R2D2-MH Online training platform has been integrated to the project's website and added to the menu available at the top of the page (Figure 1).

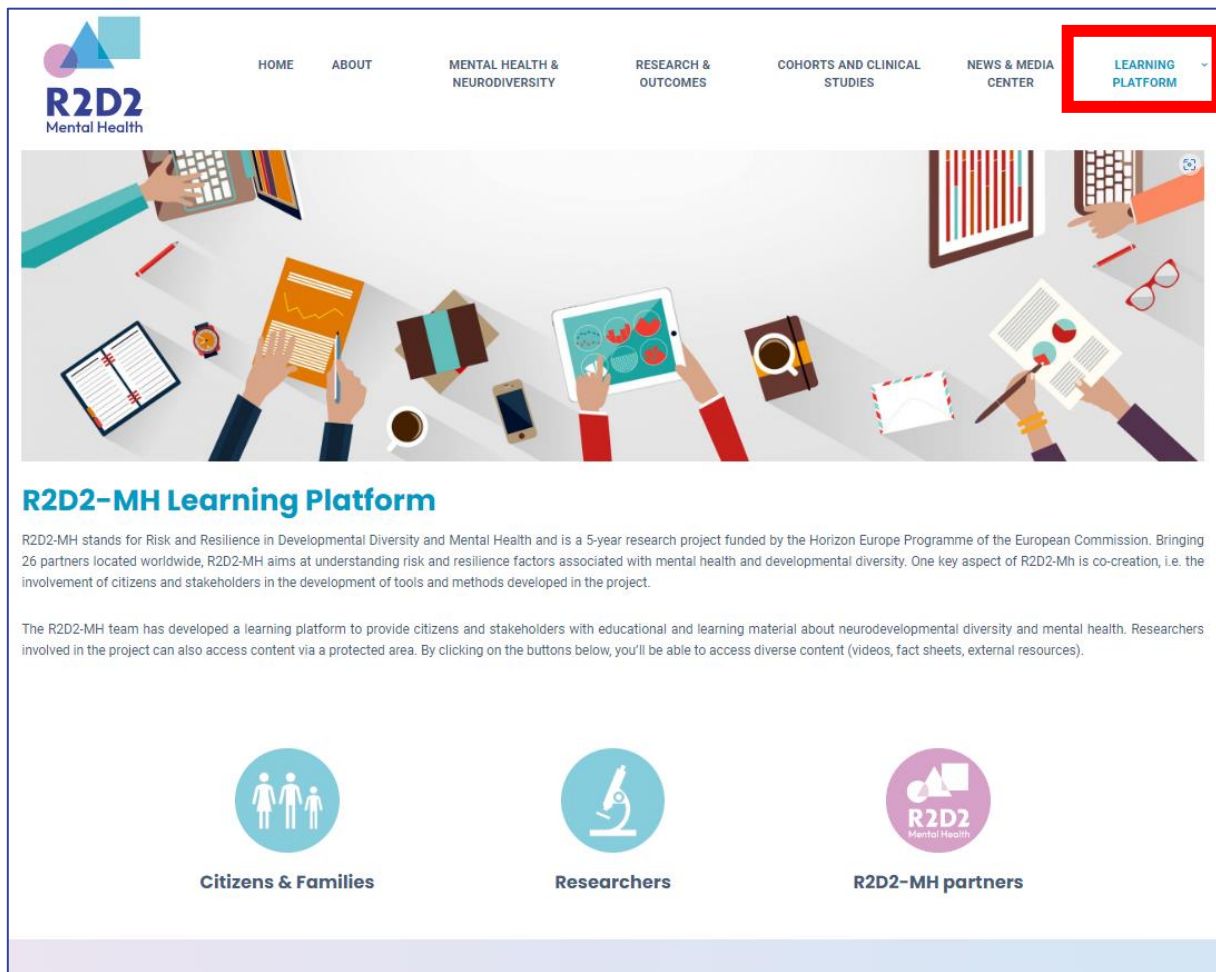


Figure 1: Landing page of the R2D2-MH Online training platform.

The landing page has been organized in different areas corresponding to the different target groups. At the launch of the platform, 3 areas are available:

- **“Citizens & Families”**, for the general public, including people with NDDs or mental health conditions and their families;
- **“Researchers”**, for all researchers interested to learn more about R2D2-MH outcomes. Until material is available later in the project, clicking on the icon redirects to the “Publications” page;
- **“R2D2-MH partners”**, for members of the consortium. This section is protected via a password.

Throughout the project, as new material and results will be developed, areas relevant for other target groups (e.g. healthcare givers, clinicians, policy makers, industry partners) will be added to the landing page, following the same design and virtual identity.

3.3 “Citizens & Families” area

One of the main objectives of R2D2-MH is the involvement of individuals with NDDs or mental health conditions and their families, and the first area of the training platform has been designed for them. Called “Citizens and families”, the area is open for all visitors (no password) and accessibility criteria that had been used to develop the website will be carefully integrated. The landing page of the “Citizens and families” area will eventually display different modules addressing specific issues or questions.

For the launch of the learning platform, a first module called “Useful resources” has been implemented and corresponds to a collection of useful external resources in the field of NDDs and mental health (Figure 2).

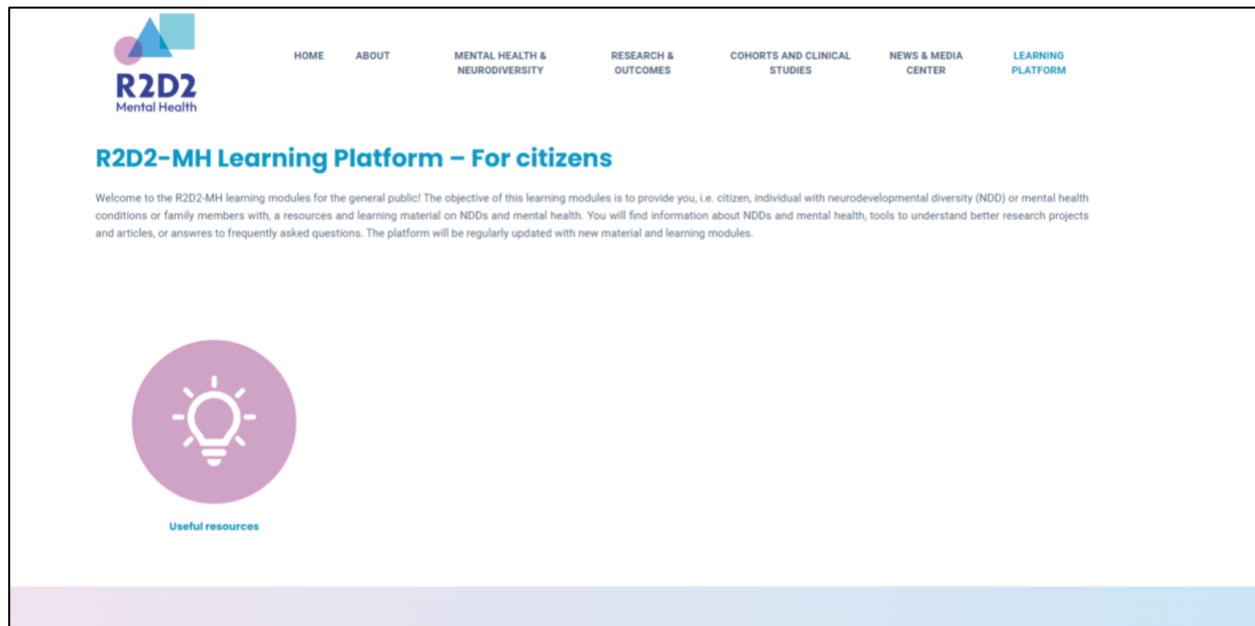


Figure 2: Area "For citizens and families"

Upon clicking on the icon “Useful resources”, visitors access a new page gathering links to external resources. To facilitate browsing experience, the resources have been tagged and a short plugin has been developed to allow visitors to sort the information according to the categories they are interested in. As R2D2-MH is international, and the visitors too, resources in different languages have been and will be implemented (Figure 3).

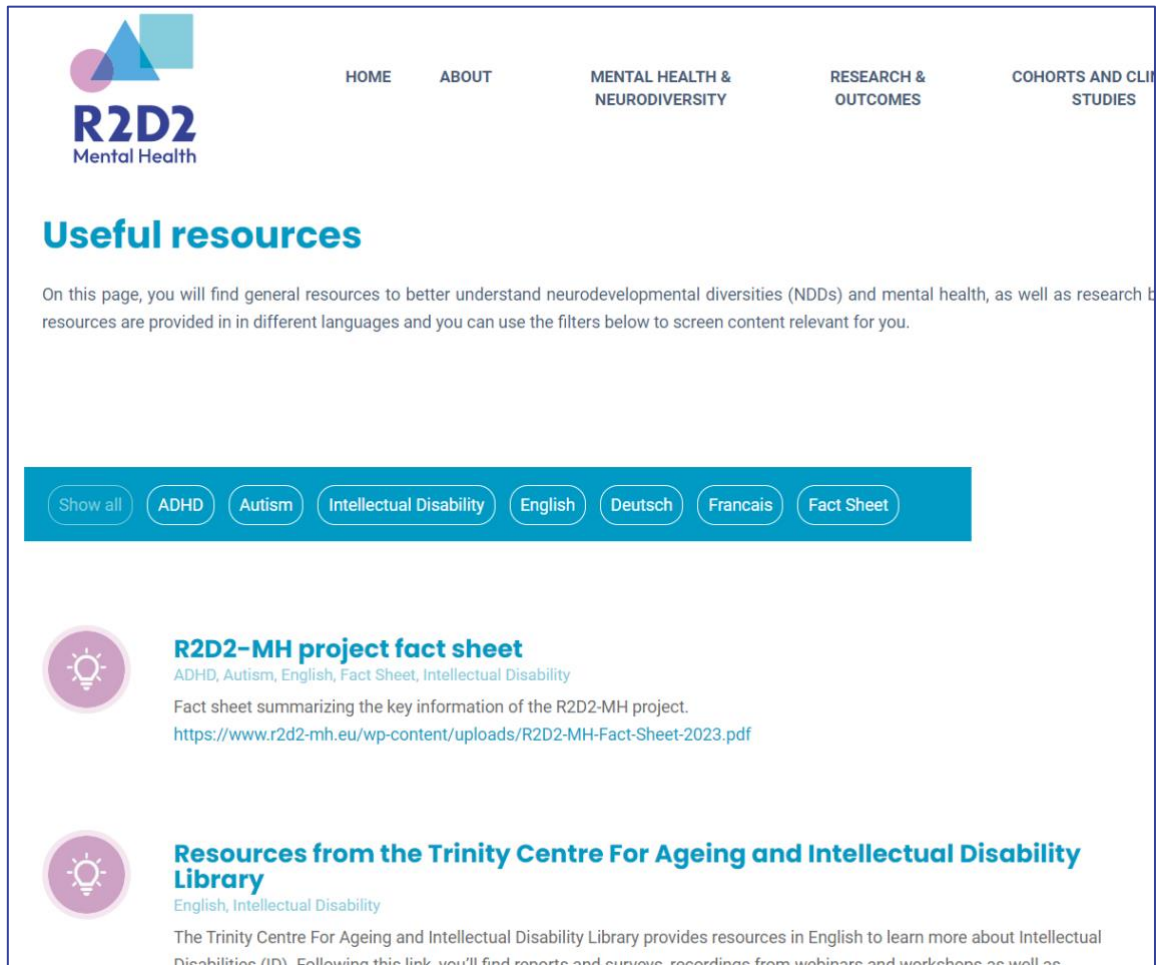


Figure 3: Useful resources is a collection of documents and links providing information about the field of NDDs and mental health. Visitors have the possibility to sort the document and identify relevant information by topics of interest.

The page “For citizens” will be implemented with new modules during the project. Examples of educational material are:

- Short videos and animations presenting one particular aspect of the project, the current state of the art and impact on citizens’ life,
- Short videos, animations or written documents explaining in plain language vocabulary that is often used by scientists or doctors,
- Tools to better understand research results and the impact on their lives or the one of their relatives.

3.4 “R2D2-MH partners” area

The aim of the R2D2-MH online information and learning platform is also to provide educational material to researchers involved in the project and a dedicated section on the platform has been created. This domain is accessible for researchers of the consortium and protected via a password. By clicking on the icon, visitors will be requested to enter a username and a password (Figure 4).

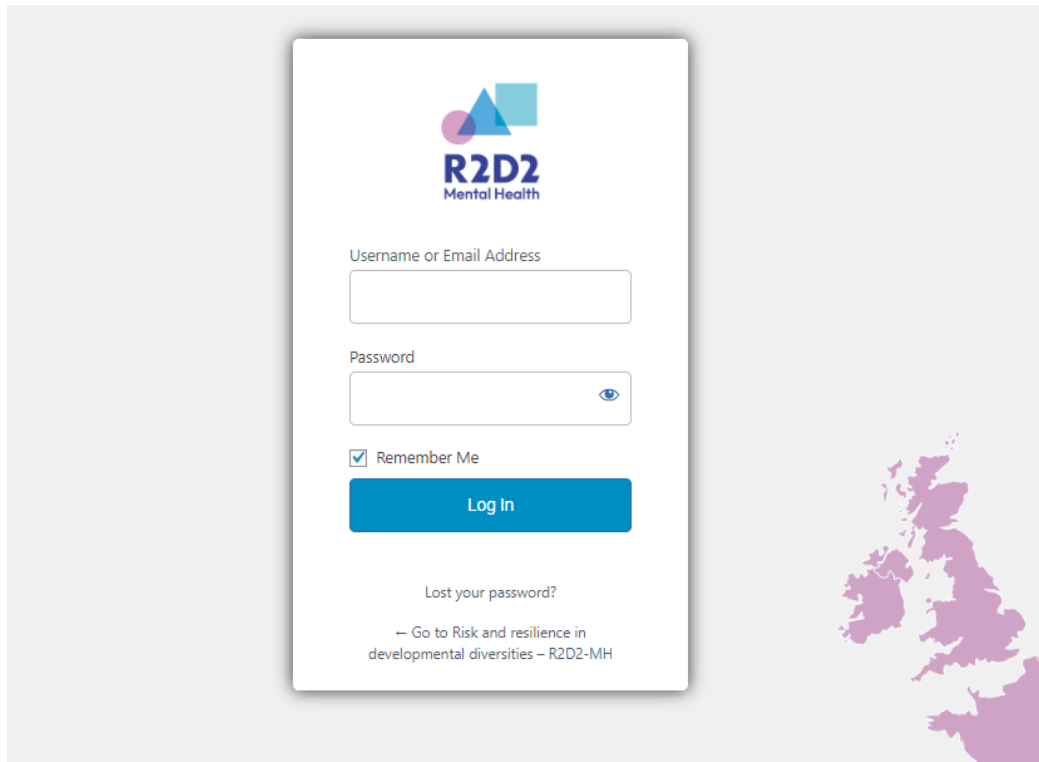


Figure 4: the page for R2D2-MH partners is password protected.

Similarly to the other areas of the training platform, the area for R2D2-MH members has been designed in different modules and follows the virtual identity of the R2D2-MH project (Figure 5).

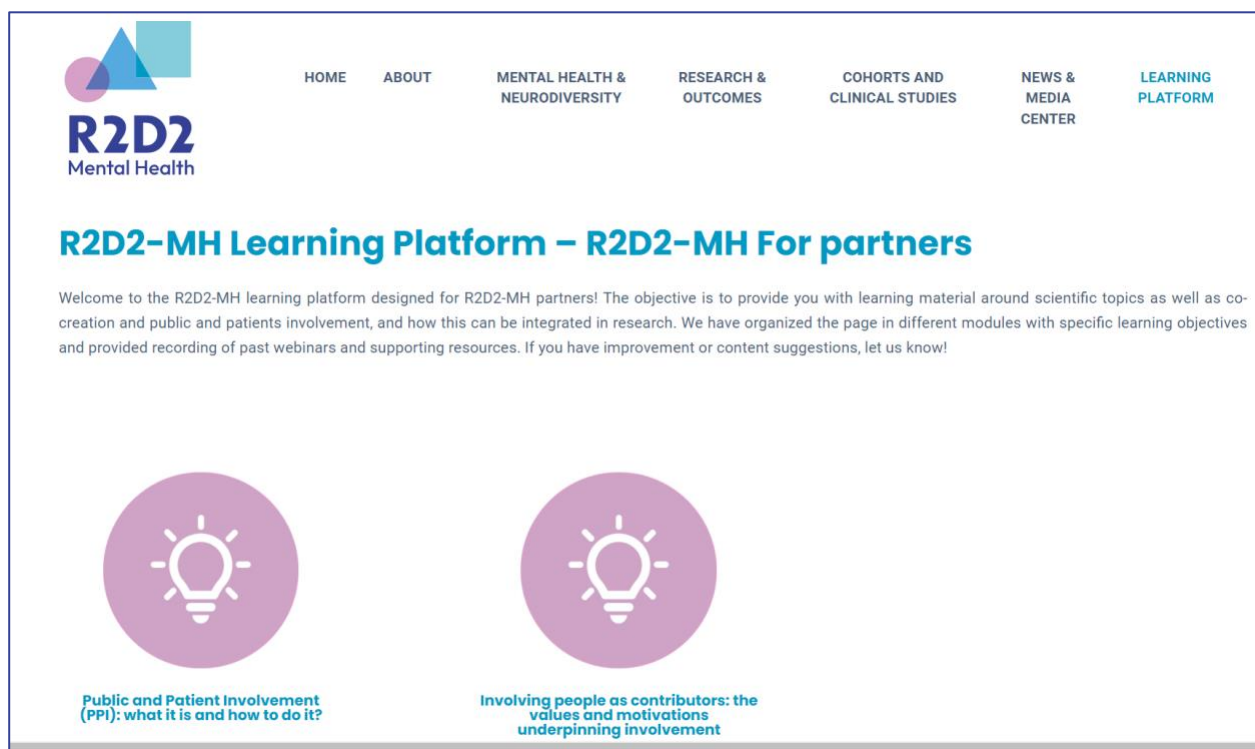
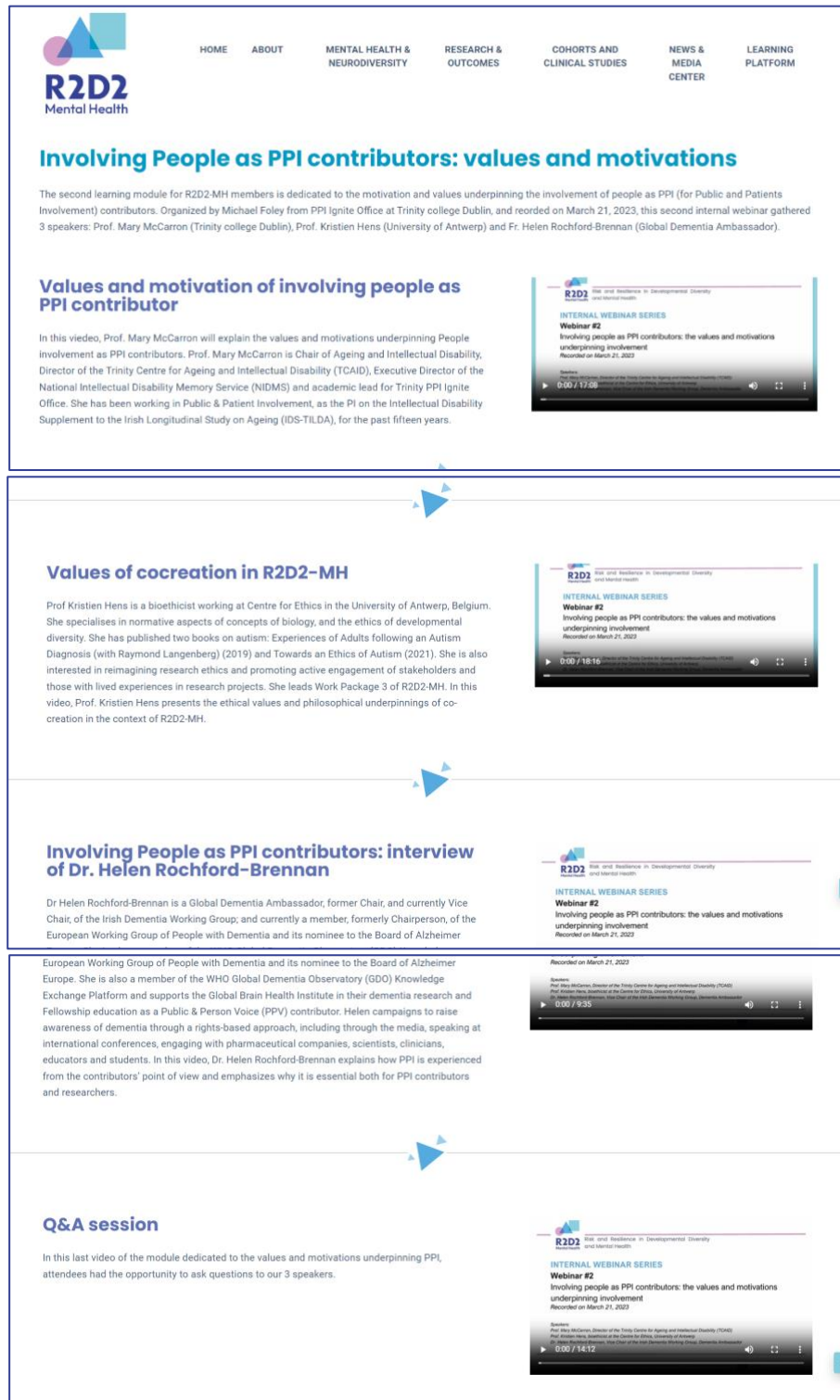


Figure 5: landing page of the "R2D2-MH partners" section of the training platform

The 2 modules that have been implemented at the launch of the platform correspond to the 2 internal R2D2-MH webinars that took place at the beginning of 2023. By clicking on one of the icons, the visitors will access a new page containing the recording of the webinars.

Instead of uploading the full recording in one video, and to improve users' experience and user-friendliness, the modules have then been organized into shorter videos corresponding to individual presentations or to Q/A sessions for instance (Figure 6).



R2D2 Mental Health

HOME ABOUT MENTAL HEALTH & NEURODIVERSITY RESEARCH & OUTCOMES COHORTS AND CLINICAL STUDIES NEWS & MEDIA CENTER LEARNING PLATFORM

Involving People as PPI contributors: values and motivations

The second learning module for R2D2-MH members is dedicated to the motivation and values underpinning the involvement of people as PPI (for Public and Patients Involvement) contributors. Organized by Michael Foley from PPI Ignite Office at Trinity college Dublin, and recorded on March 21, 2023, this second internal webinar gathered 3 speakers: Prof. Mary McCarron (Trinity college Dublin), Prof. Kristien Hens (University of Antwerp) and Fr. Helen Rochford-Brennan (Global Dementia Ambassador).

Values and motivation of involving people as PPI contributor

In this video, Prof. Mary McCarron will explain the values and motivations underpinning People involvement as PPI contributors. Prof. Mary McCarron is Chair of Ageing and Intellectual Disability, Director of the Trinity Centre for Ageing and Intellectual Disability (TCAID), Executive Director of the National Intellectual Disability Memory Service (NIDMS) and academic lead for Trinity PPI Ignite Office. She has been working in Public & Patient Involvement, as the PI on the Intellectual Disability Supplement to the Irish Longitudinal Study on Ageing (IDS-TILDA), for the past fifteen years.

Values of cocreation in R2D2-MH

Prof Kristien Hens is a bioethicist working at Centre for Ethics in the University of Antwerp, Belgium. She specialises in normative aspects of concepts of biology, and the ethics of developmental diversity. She has published two books on autism: Experiences of Adults following an Autism Diagnosis (with Raymond Langenberg) (2019) and Towards an Ethics of Autism (2021). She is also interested in reimagining research ethics and promoting active engagement of stakeholders and those with lived experiences in research projects. She leads Work Package 3 of R2D2-MH. In this video, Prof. Kristien Hens presents the ethical values and philosophical underpinnings of co-creation in the context of R2D2-MH.

Involving People as PPI contributors: interview of Dr. Helen Rochford-Brennan

Dr Helen Rochford-Brennan is a Global Dementia Ambassador, former Chair, and currently Vice Chair, of the Irish Dementia Working Group; and currently a member, formerly Chairperson, of the European Working Group of People with Dementia and its nominee to the Board of Alzheimer Europe. She is also a member of the WHO Global Dementia Observatory (GDO) Knowledge Exchange Platform and supports the Global Brain Health Institute in their dementia research and Fellowship education as a Public & Person Voice (PPV) contributor. Helen campaigns to raise awareness of dementia through a rights-based approach, including through the media, speaking at international conferences, engaging with pharmaceutical companies, scientists, clinicians, educators and students. In this video, Dr. Helen Rochford-Brennan explains how PPI is experienced from the contributors' point of view and emphasizes why it is essential both for PPI contributors and researchers.

Q&A session

In this last video of the module dedicated to the values and motivations underpinning PPI, attendees had the opportunity to ask questions to our 3 speakers.

Figure 6: Example of a module developed for R2D2-MH partners.

For each module, additional material and external resources will be added to the page, to provide visitors with a full set of resources. Recordings of upcoming webinars will be similarly implemented throughout the project's life.

4 End-users' experience and co-creation

Similarly to the development of the website, the user's experience has been taken into consideration. It has been decided to offer a clear layout and visuals, in line with the projects' virtual identity. The language has been adapted to a lay audience and the use of acronym minimized or explained. In addition to providing written material in different languages, subtitles will be integrated to videos or recordings aimed for the general public, to ensure their accessibility to all visitors.

5 Future plans

The R2D2-MH Online platform will be regularly updated to reflect the life of the project, in the form of webinar recordings, animations or written documents as fact sheets or recommendations. The content will be adapted based on analyses of visitor behavior (Google Analytics), and material in different languages developed accordingly.

The different stakeholders' groups identified are:

- Clinicians and healthcare givers, who could benefit from educational material on new classification sets to be developed in R2D2-MH and how to integrate it into their practice;
- Policy makers, who could benefit from the feedback of the co-creation groups members to design new regulations and policies adapted to the need of end-users;
- Industry partners or other researchers, who could learn about the new tools and methods that will be developed in R2D2-MH and how this can be uptake in the field.

The interconnection between the Online information and learning platform and Task 6.2 Stakeholders' engagement will be in two directions:

- On the one hand, the landscape analysis and stakeholders' engagement strategy to be developed in Task 6.2 will help develop material tailored to the needs of the end-users;
- On the other hand, the platform will be used as a tool to connect and involve stakeholders in R2D2-MH.

Additionally, the implementation of the Online Platform will also connect with Task 6.5 on Recommendations and policy implications and Task 6.6 IP Management and Exploitation planning, with the global aim to embed the Online Platform in the sustainability strategy of the R2D2-MH project.

6 Conclusions

The R2D2-MH online information and training platform is online since May 26th and fully operational. It is fully integrated to the R2D2-MH website and was designed to address the needs of main stakeholder's target groups by providing them with educational and information material. The platform will be regularly implemented throughout the life of the project.