

RHUMBO Website

DELIVERABLE

5.1

Date: 31/12/2018

Prepared by: UPV

RHUMBO

modeling and pRedicting Human decision-making Using Measures of subconscious Brain processes through mixed reality interfaces and biOmetric signals


From November 2018 to October 2022

Grant agreement: 813234

www.rhumbo.eu/



This project has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No 813234

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DELIVERABLE FACTSHEET

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Task:

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Dissemination level	
X	PU = Public
	PP = Restricted to other programme participants (including the EC)
	RE = Restricted to a group specified by the consortium (including the EC)
	CO = Confidential, only for members of the consortium (including the EC)

DOCUMENTS HISTORY

Revision	Date	Main modification	Author
1	13.12.2018	List of contents	UPV
2	13.12.2018	1 st Draft	UPV
3	18.12.2018	Final version	UPV
4			

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ABBREVIATIONS

DoA: Description of Action

GA: Grant Agreement

CA: Consortium Agreement

RHUMBO: modeling and pRedicting Human decision-making Using Measures of subconscious Brain processes through mixed reality interfaces and biOmetric signals

ESR: Early Stage Researcher

WP: Work Package.



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	Dissemination Level:	Public	Type:	Websites, patents filling, etc.

TABLE OF CONTENTS

1	INTERNET PORTAL	5
1.1	Home.....	6
1.2	Consortium	8
1.3	Governance Structure.....	9
1.4	External Advisory Board.....	10
1.5	Results.....	11
1.6	News	11
1.7	Events.....	12
1.8	Members Area	13
1.9	Positions.....	13

	Document:	D5.1. RHUMBO website		
	Author:	UPV	Version:	1
	Reference:	D5.1 RHUMBO -GA: 813234	Date:	31 Dec 2018
	Dissemination Level:	Public	Type:	Websites, patents filling, etc.

INTRODUCTION

This document describes the [project website](#) and the first set of dissemination materials prepared under the Project RHUMBO contract no 813234.

The deliverable 5.1 is under the following tasks within the DoA of the RHUMBO project: Task T5.1

Dissemination and exploitation.

The intended audience of this report is each individual participant of the project consortium and the associated partners, as well as any potential stakeholder or individual interested in the activities and outputs of the project RHUMBO.

The purpose of this report is to provide to the consortium the appropriate tools in order to be able to carry out the different dissemination activities. The functionality and structure of the public website are detailed.

Different dissemination materials will be added to the ones presented in this deliverable according to the project needs and the suggestions from the different partners of the consortium.

Consequently, a common and structured message will be delivered from the partners of the consortium when disseminating RHUMBO.

1 INTERNET PORTAL

RHUMBO public website has been implemented in months 1 and 2 of the project and will be maintained over the lifetime of the project.

The internet portal will work as a communication platform to assist the coordination of the project and its activities.

An individual domain has been acquired to host the website. The link to RHUMBO website is:


<http://www.rhumbo.eu/>

The website will be the main communication tool of the project, where all the dissemination materials will be published in a timely manner.

Within the design phase of the website, perspectives from both specialized and non-specialized visitors have been considered in order to develop the interface.

One of the key functions of the website at the very beginning of the project consists of publishing the eleven vacancies for the different projects of RHUMBO. Once the recruitment procedure is closed and the researchers selected, each fellow will be assigned a dedicated page containing his/her profile including not only showcases of the fellows' projects and publications but also identifying each fellow's unique expertise.

Regarding the foreseen eleven theses, it will be aimed to provide downloads on the RHUMBO website, with chapters restricted where necessary, because of material still under consideration for publication

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	Reference:	D5.1 RHUMBO -GA: 813234	Date:	31 Dec 2018
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elsewhere, or specific restrictive journal policies. Although open access publications will be favored, the quality of publication channels will be judged as the more relevant criteria, and where full journal articles cannot be provided online, preprints will be made available on the RHUMBO webpage that link to the original publications.

Besides the scientific results out of the research done by the fellows, different news and events related to RHUMBO will be posted maintaining the information of the website updated with the activities of the project.

The following points describe the different sections and functionalities of the website.

1.1 Home

The “home” area of the website is composed of different sections:

- **Top bar:** structure of the website including a pull-down menu. The tabs and sub- tabs included may be modified over the project lifetime according to the needs of RHUMBO.

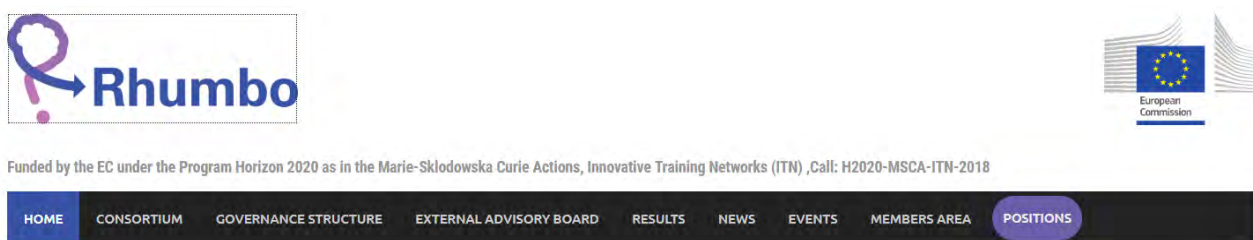



Figure 1. Screenshot: home of the website (1)

- **Central area:** currently a short description of the eleven vacancies is posted, as well as direct links to the complete information of each vacancy. This area may be used to point out a key activity/milestone of the project to date.



Figure 2. Screenshot: home of the website (2)

	Document:	D5.1. RHUMBO website		
	Author:	UPV	Version:	1
	Reference:	D5.1 RHUMBO -GA: 813234	Date:	31 Dec 2018
	Dissemination Level:	Public	Type:	Websites, patents filling, etc.

- **News section:** image and short title of recent news. Clicking in the images allows entering the “news” menu, as well as if you go through the top bar.

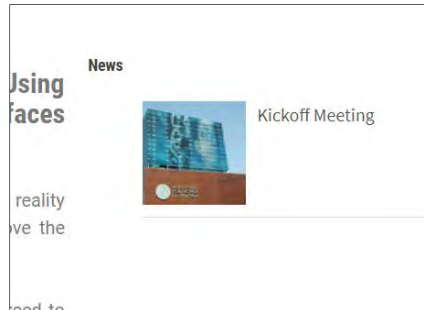


Figure 3. Screenshot: home of the website (3)

- **Top right corner:** this area is intended to include useful links, such as social media links, as well as a search engine.

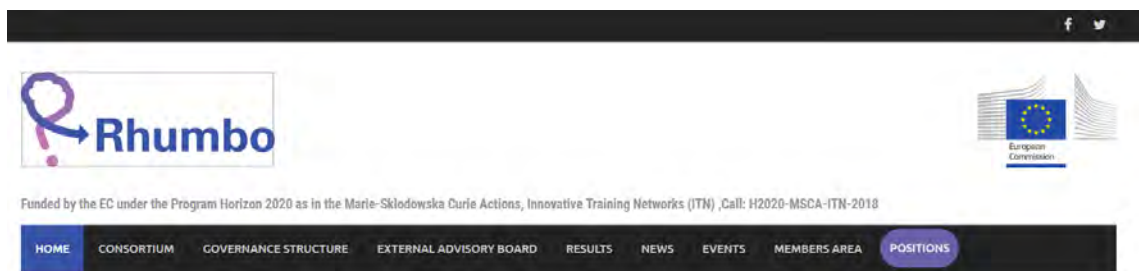


Figure 4. Screenshot: top right corner of the home of the website (4)

- **Bottom area:** different events describing the ongoing activities and current events of the project are posted, as well as the EU funding acknowledgment and the link for the legal content of the website. Also, the partners’ logos are showed



Figure 4. Screenshot: news section


	Document:	D5.1. RHUMBO website	
	Author:	UPV	Version: 1
	Reference:	D5.1 RHUMBO -GA: 813234	Date: 31 Dec 2018
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Figure 5. Screenshot: bottom area of the home of the website (5)

1.2 Consortium

This section is broken down in three tabs: **beneficiaries**, **partner organizations** and a **map of Europe** in which the involved countries are highlighted.

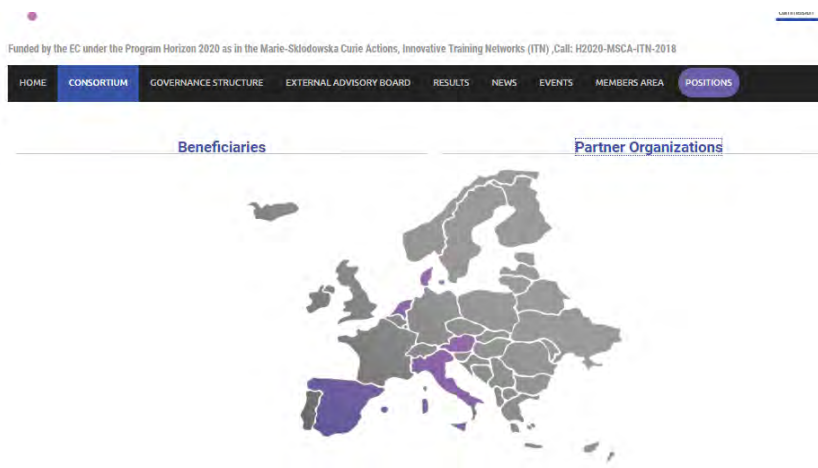


Figure 5. Screenshot: map with the countries members of the project

The two main types of body, which compose RHUMBO consortium, are described in this section: beneficiaries and partner organizations.

BENEFICIARIES



UNIVERSITAT
POLITÈCNICA
DE VALÈNCIA



UNIVERSITAT POLITÈCNICA DE VALÈNCIA (UPV). Project Coordinator. Spain

Universitat Politècnica de València (UPV) is one of the leading universities in Spain and is listed in all the world university rankings. It is one of the Spanish top five Universities with the highest revenue from both public research and knowledge transfer activities, and is a national leader in patent license income and start up creation. With an R&D activity of over 52 million euros, UPV has participated in 113 FP7 actions and led 29 of them, with around 30.4 million euros of EU contribution. In H2020, UPV already participates in 84 projects (October 2017) and leads 14 of them.

UPV-I3B, is a thoroughly consolidated centre of excellence in R&D (founded in 1992) with more than 50 staff members that work in a multidisciplinary team made up of engineers, physicians, psychologists, mathematicians, designers and experts in man-machines interfaces.



AALBORG UNIVERSITY

AALBORG UNIVERSITY (AAU). Denmark.


Aalborg University (AAU) differentiates itself with its focus on interdisciplinary, inter-faculty studies which internationally has become known and recognized as The Aalborg PBL Model. It is the only Danish university that is a member of the European Consortium of Innovative Universities (ECIU). The Architecture, Design and Media Technology department (AD.MT) has a proven and long experience regarding innovative media technology, immersive computer systems, media cognition and digital culture. It actively participates in many research projects and collaborations with industry and counts with state of the art laboratories, including the Augmented Cognition Lab, which is dedicated to the study of perception, cognition, affective states and aesthetic experience when interacting with complex stimuli and narrative content provided through immersive and representational interactive displays.



University Hospital Bonn (UKB). Germany

The University Hospital of Bonn is one of Germany's leading medical institutions with a focus on

Figure 6. Screenshot: description of some of the beneficiaries

	Document:	D5.1. RHUMBO website	
	Author:	UPV	Version: 1
	Reference:	D5.1 RHUMBO -GA: 813234	Date: 31 Dec 2018
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PARTNER ORGANIZATIONS



Stichting Katholieke Universiteit (SKU). The Netherlands

Radboud University is a leading university in the Netherlands with approximately 21,000 students and 2,764 scientific staff. The Donders Institute (DI) is a world-class research centre devoted to understanding the mechanistic underpinnings of human cognition and behaviour. DI mission is to conduct interdisciplinary research at the unique interface between genetic, molecular and cellular processes at one end and computational, system-level neuroscience with cognitive and behavioural analysis at the other end. Its four main research themes are: 1) Language and Communication, 2) Perception, Action and Control, 3) Plasticity and Memory, and 4) Brain Networks and Neuronal Communication.



Johannes-Kepler University (JKU). Austria

The Institute for Integrated Circuits provides expertise in the design and realisation of integrated circuits, embedded systems, as well as cyber-physical systems. This includes modelling corresponding architectures in early stages of the design flow and their final application. IIC focuses strongly on the design of low-power/high-speed analogue and mixed-signal radio frequency (RF) integrated circuits (IC) up to mm-wave frequencies for applications in 5G comm. systems, wireless sensor and RFID networks (IoT) and medical apps.

Figure 7. Screenshot: description of the Partner Organizations.

1.3 Governance Structure

RHUMBO has a complex Governance Structure composed by several teams, boards, and committees. This section of the website develops each of these structures and their members. Members were elected in the kick-off meeting of the project.

On the left side of the screen exists the possibility of choosing the structure you want to go through. By clicking on the name of the structure, members are shown on the right side of the screen. For each member, a short CV and the institution which belongs to is shown.

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Supervisory Board (SB)

- [Executive Team](#)
- [Training and Outreach Team \(ToT\)](#)
- [Research Team](#)
- [Fellows Board](#)
- [Ethics and Gender Committee](#)
- [Best Scientific Practice and Quality Management Committee](#)

Prof. Dr.
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Prof Alcañi
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Figure 8. Screenshot: Different Governance Structures

	Document:	D5.1. RHUMBO website		
	Author:	UPV	Version:	1
	Reference:	D5.1 RHUMBO -GA: 813234	Date:	31 Dec 2018
	Dissemination Level:	Public	Type:	Websites, patents filling, etc.

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HOME CONSORTIUM GOVERNANCE STRUCTURE EXTERNAL ADVISORY BOARD RESULTS NEWS EVENTS MEMBERS AREA POSITIONS

[Supervisory Board \(SB\)](#)

[Executive Team](#)

[Training and Outreach Team \(ToT\)](#)

[Research Team](#)

[Fellows Board](#)

[Ethics and Gender Committee](#)

[Best Scientific Practice and Quality Management Committee](#)

[IPR Committee](#)

Prof. Dr. Mariano Alcañiz

(Project Coordinator,UPV)

Prof Alcañiz is Full Professor at UPV and I3B Institute Director. He is a professor of Biomedical Engineering and has courtesy appointments in Virtual Reality. Prof Alcañiz has published more than 300 articles in books, journals and conferences. He has been coordinator of European and national research projects and several national R&D excellence programmes. He is the Spanish representative in H2020 ICT Committee. Prof Alcañiz is one of the first 10 scholars (6th position) worldwide who authored peer-reviewed scientific publications under the topic "Virtual Reality"; also in the first 10 positions in the world (2nd position) under the topic "Telepsychology". Scopus (Accessed Dec. 7th, 2017; Keyword: Alcañiz M).

Alejandra del Valle

(Project Manager, UPV)

Alejandra del Valle is Technical Industrial Engineer by University of Zaragoza (Spain) and is R&D Manager at I3B Institute. She has a previous strong background in private companies and since the last 12 years is part of the team of Prof. Alcañiz, managing national and european projects and also leading the financial department.


Figure 9. Screenshot: Composition of the Executive Team

1.4 External Advisory Board

RHUMBO counts with a multidisciplinary board composed of seven worldwide experts in RHUMBO's main disciplines that will give guidance on scientific priorities. This section of the website provides a short CV and photo of the members of this External Advisory Board, as well as their institutions and country of origin.

HOME CONSORTIUM GOVERNANCE STRUCTURE EXTERNAL ADVISORY BOARD RESULTS NEWS EVENTS MEMBERS AREA POSITIONS


External Advisory Board (EAB)



Frank Biocca. Area of Expertise : Virtual Reality.

Dr. Biocca is the SBC Chair of Telecommunication, Information, and Media. He directs the networked Media Interface and Network Design (M.I.N.D.) Lab. Dr. Biocca is interested in how mind and media can be coupled to extend human cognition and enhance human performance. His current projects include research on the psychology of presence in virtual environments, spatial cognition and information organization in high-bandwidth and mobile system collaborative augmented reality systems, and work on adapting interfaces to cognitive styles and sub-cultural differences. Among his books is the award winning, Communication in the Age of Virtual Reality.

Dr. Biocca has patents on augmented reality technology, over 150 publications, and participated in the introduction of the first portable computer. Dr. Biocca is on the editorial board of several journals including MIT Presence: Teleoperators and Virtual Environments, Journal of Communication, Media Psychology, the Journal of Computer-Mediated Communication, and other international journals. Dr. Biocca has been a professor, researcher, or lecturer at the University of California-Berkeley, Stanford, University of North Carolina, and University of Wisconsin.



Valerie Shute. Area of Expertise : VR and serious games.

Val Shute is the Mack and Effie Campbell Tyner endowed professor of education at Florida State University. Before coming to FSU in 2007, she was a principal research scientist at Educational Testing Service (2001-2007) where she was involved with basic and applied research projects related to assessment, cognitive diagnosis, and learning from advanced instructional systems and where she generally honed her psychometric skills. Prior to ETS, Val worked in industry for two years, and before that, she was enthusiastically employed at the Air Force Research Lab in San Antonio, Texas (1986-1999).

Figure 10. Screenshot: Some of the members of the External Advisory Board

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Page 10 of 14

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	Document:	D5.1. RHUMBO website		
	Author:	UPV	Version:	1
	Reference:	D5.1 RHUMBO -GA: 813234	Date:	31 Dec 2018
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1.5 Results

Within this section, different public documentation will be posted, keeping the website updated with the results obtained. In particular, the following materials are considered to be uploaded in this section:

- Dissemination material
- Project public deliverables
- Scientific publications in Congresses, magazines, books,...

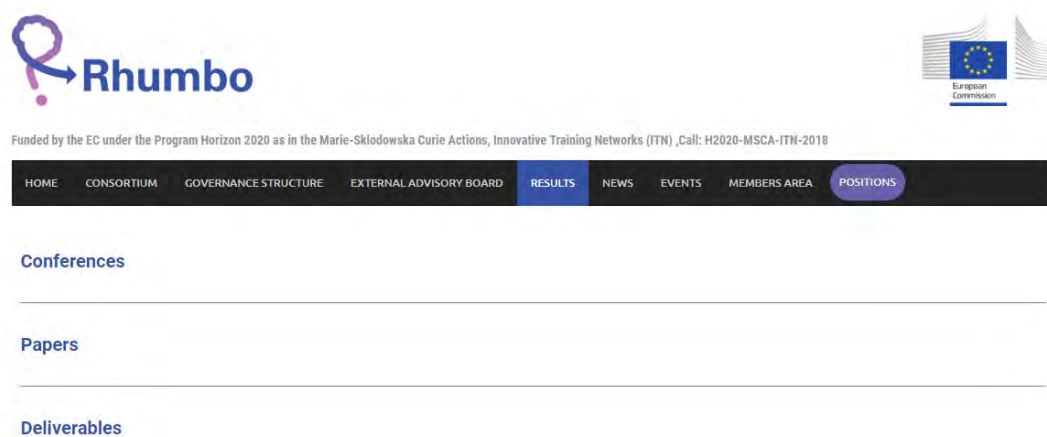


Figure 11. Screenshot: Results section

1.6 News

Any new related to RHUMBO project will be posted in this section, either prepared internally by the consortium or any external news linked to the project topic.

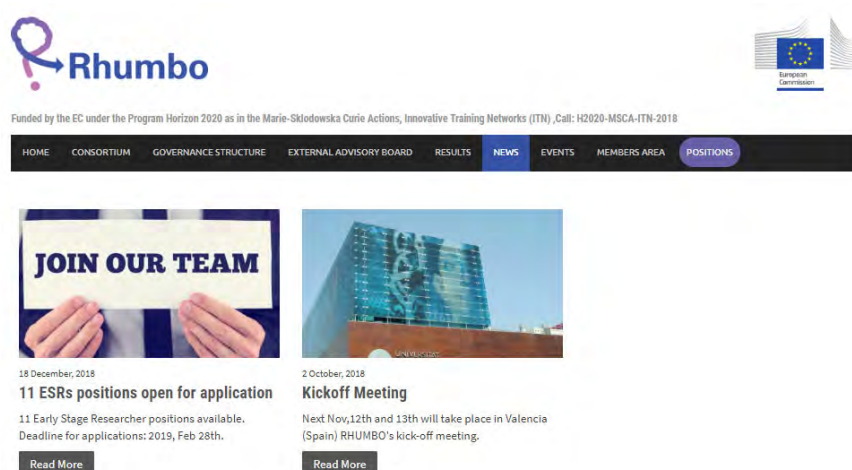

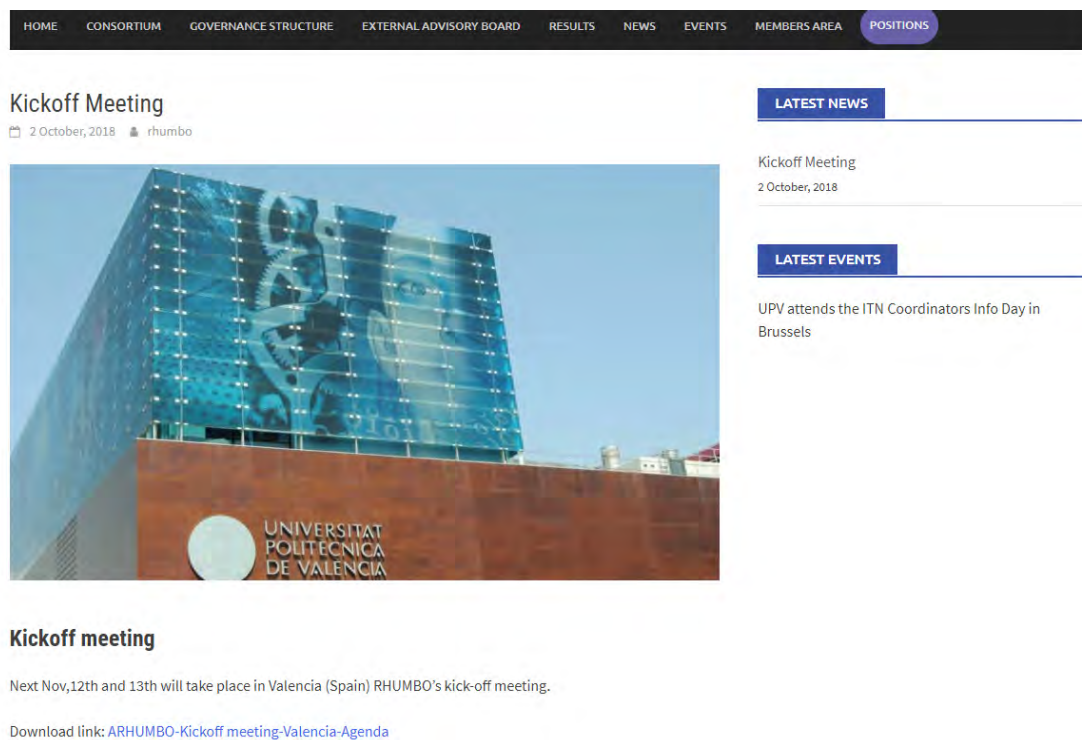


Figure 12. Screenshot: News section

By clicking in the “Read more” button under each new, it’s possible to get more information. It’s also possible to download attached documents.

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In the right section, a summary of the latest news and latest events is showed.



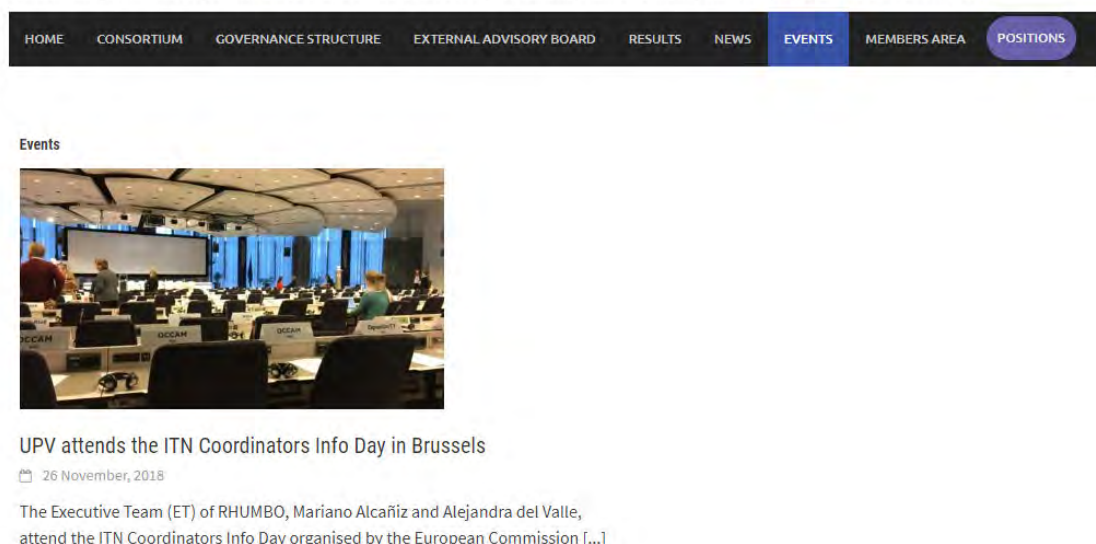
The screenshot shows the RHUMBO website interface. At the top is a navigation menu with links: HOME, CONSORTIUM, GOVERNANCE STRUCTURE, EXTERNAL ADVISORY BOARD, RESULTS, NEWS, EVENTS, MEMBERS AREA, and POSITIONS. The main content area features a large image of a modern building with a glass facade reflecting the sky, with the text 'UNIVERSITAT POLITÈCNICA DE VALÈNCIA' at the bottom. Below the image is the title 'Kickoff Meeting' and the date '2 October, 2018'. To the right, there are two sections: 'LATEST NEWS' with a sub-header 'Kickoff Meeting' and date '2 October, 2018', and 'LATEST EVENTS' with a sub-header 'UPV attends the ITN Coordinators Info Day in Brussels'.

Figure 13. Screenshot: Description of a concrete new and “latest news” and “latest events” section

1.7 Events


Any event related to RHUMBO project will be posted in this section, such as training activities, networking sessions, workshops, technical lectures, social events, project meetings, secondments, etc. Again, by clicking in the event we can find further information.

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The screenshot shows the RHUMBO website interface with the 'EVENTS' tab selected in the navigation menu. Below the menu is a section titled 'Events' with a photo of a meeting in progress. The photo shows a large conference room with people seated at tables, facing a screen. Below the photo is the title 'UPV attends the ITN Coordinators Info Day in Brussels' and the date '26 November, 2018'. The text below the date reads: 'The Executive Team (ET) of RHUMBO, Mariano Alcañiz and Alejandra del Valle, attend the ITN Coordinators Info Day organised by the European Commission [...]'.

Figure 14. Screenshot: Events section

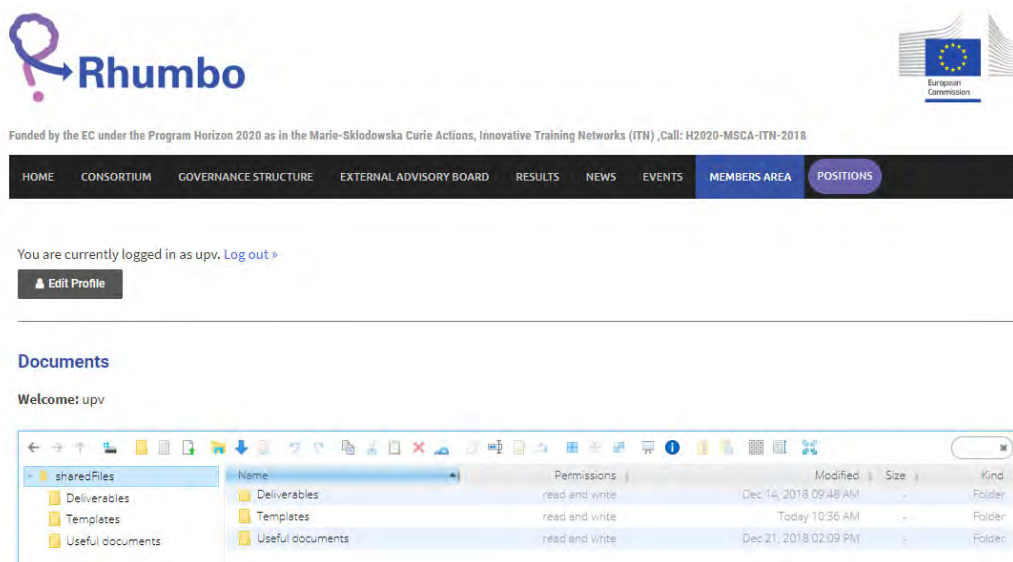
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1.8 Members Area

The Member Area is a private section to which a username and a password have been given to all the participants. Participants also received an email with instructions on how to change the password given.

In this section, the following documents will be uploaded:

- **Confidential Deliverables.**
Deliverables classified as CO = Confidential, only for members of the consortium (including the EC) will be available here.
- **Templates.** Although templates are available in the management tool of the project, they will also be available in this section.
- **Useful Documents.** Participants will be leaving here all the relevant documents for the project they wish to. Depending on the nature of the documents, a future classification will be made.



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You are currently logged in as upv. [Log out](#) »

[Edit Profile](#)

Documents

Welcome: upv


Name	Permissions	Modified	Size	Kind
Deliverables	read and write	Dec 14, 2018 09:48 AM	-	Folder
Templates	read and write	Today 10:36 AM	-	Folder
Useful documents	read and write	Dec 21, 2018 02:09 PM	-	Folder

Figure 15. Screenshot: Members Area section

1.9 Positions

A specific space for the Early Stage Researchers positions has been created. Currently, this section is divided into two tabs:

- **Vacancies:** the eleven Ph.D. positions have been included. Direct links to the complete vacancy description are available, either downloadable in RHUMBO format or directly linked to EURAXESS website.
- **Eligibility criteria:** general and common conditions to be able to apply to the Marie Curie ITN – RHUMBO positions are described. Links to the documents that detail the recruitment procedure are available so that the applicants may consult them.

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	Author:	UPV	Version: 1
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Positions

Applicants are invited for a full-time Early Stage Researcher/PhD student positions part of RHUMBO project (modelling and predicting Human decision making Using Measures of subconscious Brain processes through mixed reality interfaces and biometric signals). RHUMBO is an international multidisciplinary and multisectoral training network on neuroscience.

All ESR applicants should first check the eligibility criteria.

For further info, please contact lib-instituto@upv.es

Visit the [Euraxess](#) general announcement.

Application deadline 28 February 2019.

ESR1 – Factors affecting core cognitive processes in MRT environments (WP2, WP3)

UPV – Valencia (Spain)

ESR2 – A neuroscience model of human-human interactions (WP2, WP3)

UPV – Valencia (Spain)

ESR3 – Narrative cognition and decision-making in mixed reality systems (WP2)

AAB – Aalborg (Denmark)

ESR4 – Increasing predictive validity of human decisions under risk situations using fMRI measurements and mixed reality technology (WP2)

UBB – Bonn (Germany)

Figure 16. Screenshot: positions section