

Deliverable Title	D 8.4 Communication Materials (other than the website)
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Abstract	The purpose of this deliverable is making a summary of the communication materials produced at the time.



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Versioning and Contribution History

Version	Date	Modified by	Modification reason
v.01	27/06/2018	Jaime Lara	First draft
v.02	09/07/2018	Sandra Correias	Review and update
v.03	09/07/2018	Jaime Lara	Final version
v.04	03/08/2018	Diego Torricelli	Revision of version v.03
v.05	28/10/2018	José L. Pons	Editorial changes and quality check



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1 Executive Summary

The objective to achieve with the production of the communication materials developed is to publicize the EUROBENCH project and its FSTP open calls that compose it. In the development of these materials, special emphasis has been placed on highlighting the need to create the first benchmarking environment for bipedal robotics, as well as the benefits this unified framework will generate for the industry.

In this first stage of the project, the communication materials included in these deliverables were aimed to cover different media and communication channels to reach an expert audience, working on research and development activities regarding new bipedal robotic solutions and the main stakeholders in the development of this benchmarking environment, as well as potential applicants for the first FSTP Open Call organized by EUROBENCH.

For this reason, digital (video, banners, mailing campaigns) and physical contents (brochures, billboards, roll-ups) have been developed until now. These materials have been developed according to the visual identity of the project defined in the Deliverable 8.3 'EUROBENCH Communication Plan' and following the recommendations of the European Commission in the "[Communicating EU research and innovation guidance for project participants](#)"¹

¹ http://ec.europa.eu/research/participants/data/ref/h2020/other/gm/h2020-guide-comm_en.pdf



2 Description of work & main achievements

To contribute to the communication and awareness of the EUROBENCH project and the FSTP Open Calls INNCOME, as leader of Task 8.4 "Definition and execution of the Communication Plan", in collaboration with the project leader, CSIC, has developed the following communication materials:

- Brochure of the project
- Brochure of the project with survey
- Brochure of the project explaining the First FSTP Open Call
- Video of the project
- Project website
- Newsletter
- Social media materials
- FSTP communication materials

This section includes a brief description of each material.

2.1 Brochure of the project

The brochure of the project will be used to inform about the existence of the project in events, workshops, congresses, etc. when there is no need to inform about the Open FSTPs. It will be also available in the website of the project to be downloaded.

This creativity will be also used to be printed as billboard or roll-up and make the project more visible in the project stands at Conferences, Forums, etc.

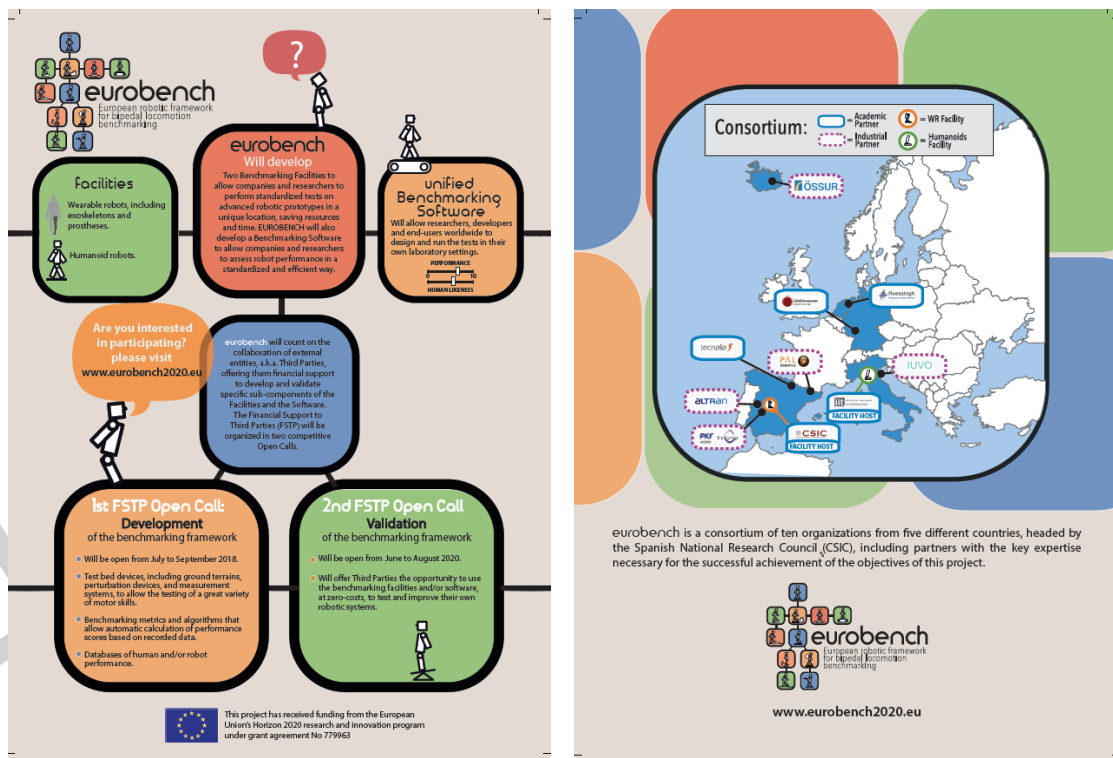


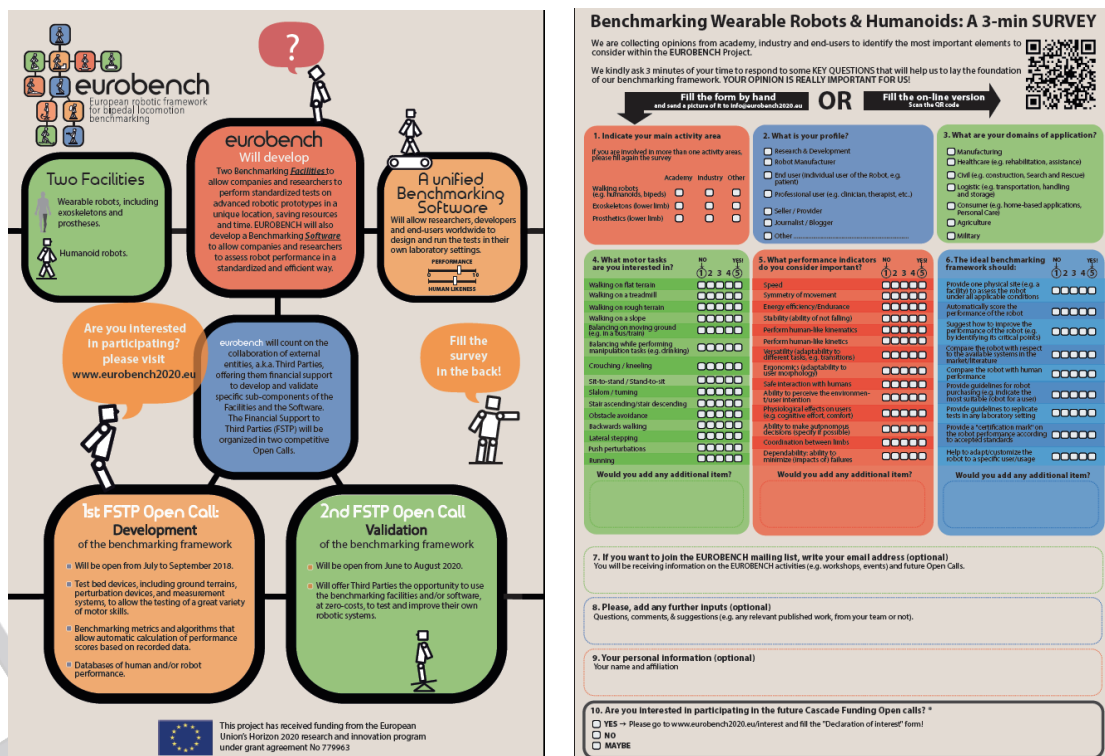
Figure 1 Project brochure



Figure 2 Diego Torricelli (CSIC) at ERF 2018 with the project billboard

2.2 Brochure of the project with survey

As part of WP2 task 2.1, it was required to make a survey to collect information about stakeholders' priorities in terms of system abilities and performance indicators to be benchmarked. For this reason, a new version of the brochure was designed with the survey on one side, with access to an online version through a QR code, making it possible to respondents to answer the survey and still keep the brochure with the project information.



eurobench
European robot framework
for bipedal locomotion
benchmarking

Will develop
Two Benchmarking Facilities to allow companies and researchers to perform standardized tests on advanced robotic prototypes in a unique location, saving resources and time. EUROBENCH will also develop a Benchmarking Software to allow companies and researchers to assess robot performance in a standardized and efficient way.

Two Facilities
Wearable robots, including exoskeletons and prostheses.
Humanoid robots.

A unified Benchmarking Software
Will allow researchers, developers and end-users worldwide to design and run the tests in their own laboratory settings.

Are you interested in participating?
please visit www.eurobench2020.eu

1st FSTP Open Call: Development of the benchmarking framework
• Will be open from July to September 2018.
• Test bed devices, including ground terrains, perturbation devices, and measurement systems, to allow the testing of a great variety of motor skills.
• Benchmarking metrics and algorithms that allow automatic calculation of performance scores based on recorded data.
• Databases of human and/or robot performance.

2nd FSTP Open Call: Validation of the benchmarking framework
• Will be open from June to August 2020.
• Will offer Third Parties the opportunity to use the benchmarking facilities and/or software, at zero-costs, to test and improve their own robotic systems.

Fill the survey in the back!

This project has received funding from the European Union's Horizon 2020 research and innovation program under grant agreement No 779963

Benchmarking Wearable Robots & Humanoids: A 3-min SURVEY

We are collecting opinions from academy, industry and end-users to identify the most important elements to consider within the EUROBENCH Project.

We kindly ask 3 minutes of your time to respond to some KEY QUESTIONS that will help us to lay the foundation of our benchmarking framework. YOUR OPINION IS REALLY IMPORTANT FOR US!

Fill the form by hand
and send a picture of it to info@eurobench2020.eu OR **Fill the on-line version**
Scan the QR code

1. Indicate your main activity area
If you are involved in more than one activity area, please fill again the survey

Academy Industry Other

Walking robot (e.g. humanoid, bipedal)
Exoskeletons (lower limbs)
Prostheses (lower limbs)

2. What is your profile?

☐ Research & Development
☐ Robot Manufacturer
☐ End user (individual user of the robot, e.g. robotist)
☐ Professional user (e.g. clinician, therapist, etc.)
☐ Seller / Provider
☐ Journalist / Blogger
☐ Other

3. What are your domains of application?

☐ Manufacturing
☐ Healthcare (e.g. rehabilitation, assistance)
☐ Civil (e.g. construction, search and rescue)
☐ Logistics (e.g. transportation, handling and storage)
☐ Consumer (e.g. home-based applications, Personal Care)
☐ Agriculture
☐ Military

4. What motor tasks are you interested in?

Walking on flat terrain
Walking on a treadmill
Walking on rough terrain
Walking on a slope
Balancing on a moving ground
Following a path
Following a path while performing manipulation tasks (e.g. drilling)

5. What performance indicators do you consider important?

Speed
Stability of movement
Energy efficiency/Endurance
Stability (ability to not falling)
Perform human-like kinematics
Perform human-like kinetics
Locomotion adaptability to different tasks (e.g. locomotion)
Endurance / adaptability to user knowledge
Safe interaction with humans
Ability to perceive the environment
User intention
Physiological metrics (e.g. heart rate, oxygen consumption)
Ability to make autonomous decisions (specific if possible)
Coordination between limbs
Dependability: ability to maintain impact of failures

6. The ideal benchmarking framework should:

Provide one physical site (e.g. a facility) to assess the robot's performance under all applicable conditions
Automatically score the performance of the robot
Suggest how to improve the performance of the robot by identifying its critical points
Compare the robot with respect to the available systems in the market literature
Compare the robot with human performance
Provide guidelines for robot manufacturers to indicate the most suitable robot for a given task
Provide guidelines to replicate tests in any laboratory setting
Provide a verification matrix on the robot performance according to accepted standards
Help to adapt/customize the robot to a specific use/case

7. If you want to join the EUROBENCH mailing list, write your email address (optional)
You will be receiving information on the EUROBENCH activities (e.g. workshops, events) and future Open Calls.

8. Please, add any further inputs (optional)
Questions, comments, & suggestions (e.g. any relevant published work, from your team or not).

9. Your personal information (optional)
Your name and affiliation

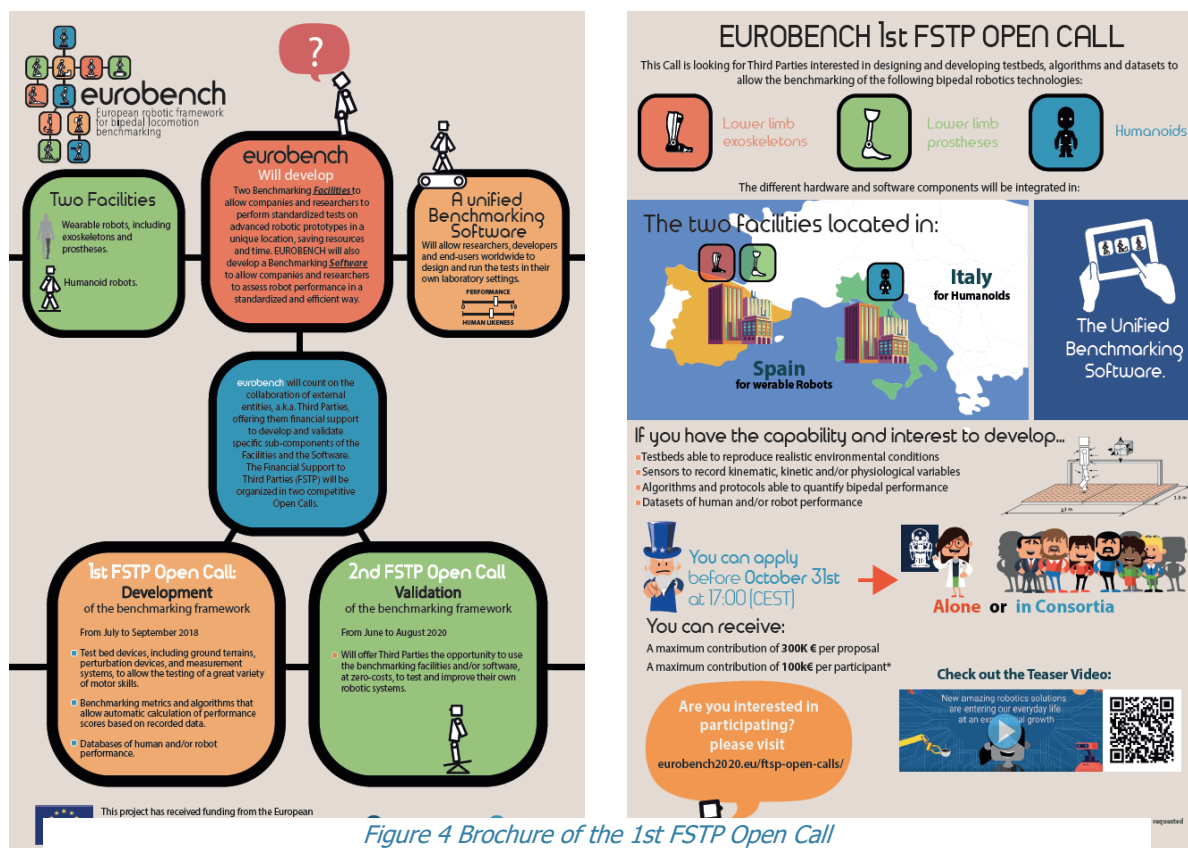
10. Are you interested in participating in the future Cascade Funding Open calls? *
☐ YES → Please go to www.eurobench2020.eu/interest and fill the "Declaration of interest" form!
☐ NO
☐ MAYBE

Figure 3 Project brochure with survey

300 hard copies of this brochure were prepared and distributed at the [ERF 2018](#) event.

2.3 Brochure of the project explaining the First FSTP Open Call

To contribute to the awareness about the first EUROBENCH FSTP Open Call, the project brochure was adapted to inform about it and promote the participation.



At least 100 were distributed at the [ISEK 2018 event](#) and will be used in other international and local events while the FSTP-1 Open Call remains open.

2.4 Video of the project

With the aim of reaching a wider audience and a bigger impact as well as to inform about the existence of the EUROBENCH project, its objectives and the FSTP Open Calls, INNCOME, with the contribution of the Coordinator, produced a video that will remain hosted on YouTube (at the URL: <https://www.youtube.com/watch?v=u6EuY65QeaE&feature=youtu.be>) and be distributed and shared on social Media, the project website and other platforms. It will also be used on workshops and other events to help in the presentation of the project.



Figure 5 Project teaser video

2.5 Project website

Since the submission of the Deliverable 8.2 'EUROBENCH Website', INNCOME and CSIC have worked on improving it to make it more attractive and useful for the visitors landing in the page. Some of the main changes are:

- The inclusion of a banner in the top side of the homepage to promote important information about the different processes of the project, such as invitations to complete the Stakeholders Survey or the FSTP Declaration of Interest.

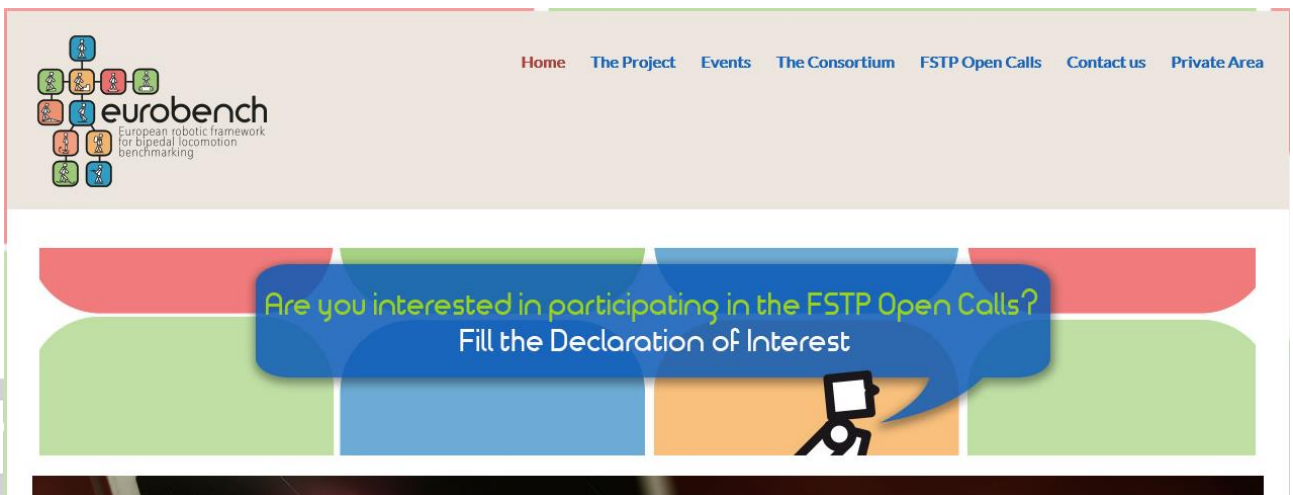
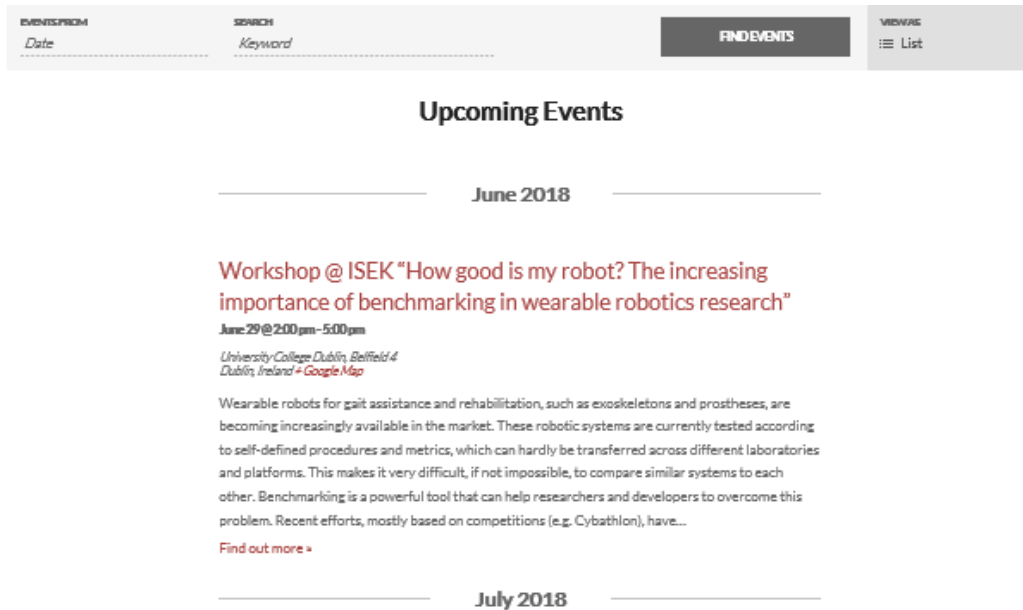


Figure 6 Banner on the project home page

- The inclusion of a calendar with the main events about the project and workshops or conferences where the members of the consortium will be present.



The screenshot shows a search interface for events. At the top, there are fields for 'EVENTS FROM' (with a 'Date' placeholder) and 'SEARCH' (with a 'Keyword' placeholder), followed by a 'FIND EVENTS' button and a 'VIEW AS' dropdown menu set to 'List'. Below this is a section titled 'Upcoming Events'. Under the heading 'June 2018', there is an event titled 'Workshop @ ISEK "How good is my robot? The increasing importance of benchmarking in wearable robotics research"' scheduled for 'June 29 @ 2:00 pm - 5:00 pm' at 'University College Dublin, Belfield 4, Dublin, Ireland' with a 'Google Map' link. A short description follows, and a 'Find out more' link is provided. Below this, the heading 'July 2018' is visible.

Figure 7 Calendar on the EUROBENCH web page

- The inclusion of a button to subscribe to the project Newsletter.



The screenshot shows a newsletter subscription form with a green background. The text reads: 'Get updated about the latest news and progress of the EUROBENCH FETP Open Calls'. Below this is a text input field with the placeholder '(Enter your email)'. At the bottom, there is a checkbox labeled 'I have read and understood the Privacy Policy and Conditions and agree to receive newsletters and follow-up from EUROBENCH Journal!'. To the right of the checkbox is a blue 'Subscribe' button.

Figure 8 Button to subscribe to the Newsletter



- A better distribution of the information, making it more visual

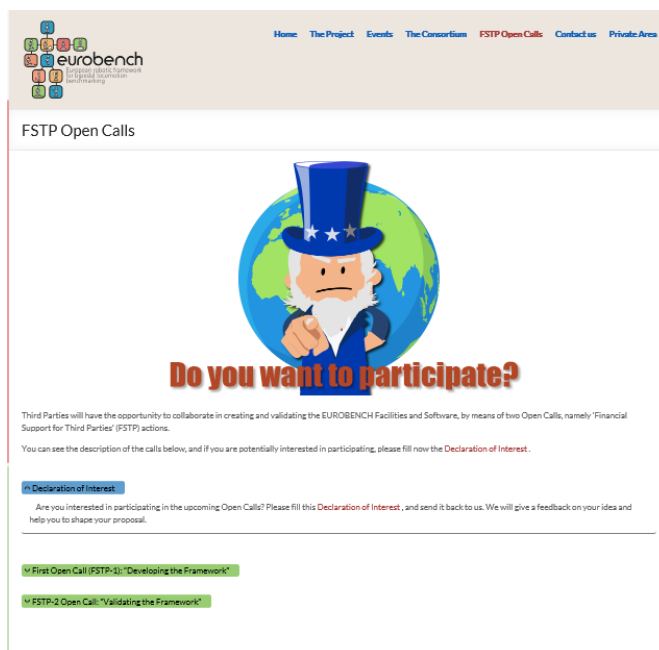


Figure 9 New Look & feel

2.6 Newsletter

As part of the workplan and as described in the Deliverable 8.3 'Communication Plan', there is a newsletter that is forwarded to all the subscribers and the Consortium members. The aim of this newsletter is to keep stakeholders updated about the progress and achievements of the project and announce the steps of the FSTP Open Calls.

The first newsletter is being launched in M6, beginning of M7, and it's visible in Annex 1. Upcoming Newsletters will be sent quarterly including the most relevant news and events of the project.

2.7 Social media materials

It is demonstrated that publications on social media are more effective and have a better engagement when they include a picture. That is the reason why many of the previous materials are adapted to be used on social media publications.

In addition, the project logo was adapted to be used as social media profile picture including on it the reference to the received EU funding.

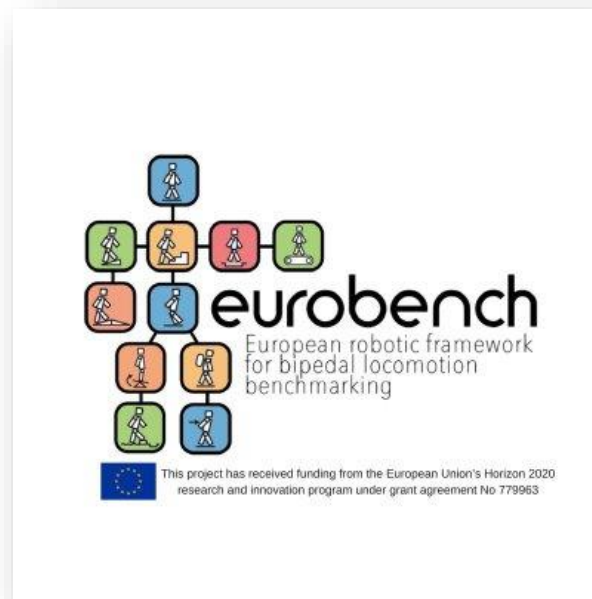


Figure 10 Social Media profile picture

2.8 FSTP Communication materials

With the purpose of communicate the First FSTP Open Call and to incentive to participate, two materials have been created to be distributed on social media and mailings.



Figure 11 1st FSTP Open Call banner



Figure 12 1st FSTP Open Call material for Social Media

3 Deviations from the workplan

No technical deviations happened.

4 Conclusion

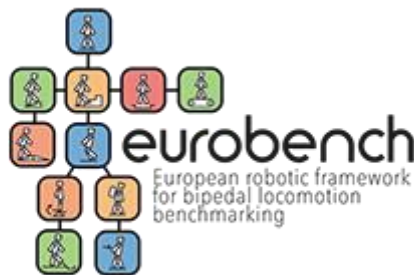
The Full Assembly deems this deliverable to be fulfilled satisfactory. Although the communication materials will be periodically updated as needed, this deliverable is considered completed.

5 Annex 1: First EUROBENCH Newsletter

It was sent to the project members, all the third parties who forwarded the Declaration of Interest and the subscribers to the Newsletter.

Hereunder it is possible to see the newsletter:

If you can't see this newsletter [r click here](#)



EUROBENCH:

A new benchmarking framework to
PREPARE ROBOTS FOR THE REAL WORLD



1st FSTP Open Call: “Developing the framework”

EUROBENCH aims to provide researchers and companies with PRACTICAL TOOLS to benchmark the performance of robotics technologies, such as exoskeleton, prostheses and humanoids. Our dream is to have two facilities equipped with state-of-the-art assessment technology, as well as one benchmarking software that allow to design, perform and tests in any laboratory settings.

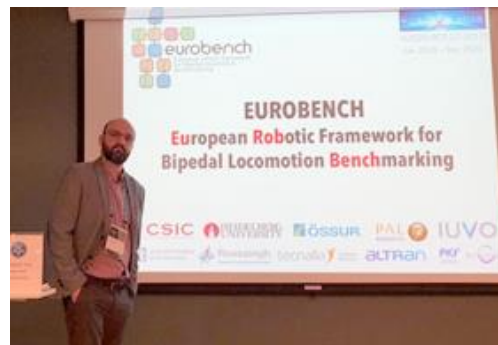
To do so, WE NEED YOUR COLLABORATION! We will offer equity-free contributions to third parties interested in contributing to the creation of this framework. The maximum contribution per participant is 100k€, and 300k€ per proposal.

The Open Call will be open from July 15 until October 31. Check for more info [here](#).

Latest events and publications

EUROBENCH attended the ERF 2018 with a workshop

On March, the EUROBENCH project leaders José Luis Pons and Diego Torricelli, from the CSIC Instituto Cajal, attended the European Robotics Forum; an event that has become the most influential meeting of the robotics community on Europe. This year's edition took place in the city of Tampere, Finland, where attended over 1,000 European robotics experts.



Taking Advantage of this occasion, EUROBENCH held the workshop “A unified scientific framework for robotics benchmarking: not a dream”; an opportunity to discuss with the different stakeholders working on the development and commercialization of bipedal robotics along Europe. The EUROBENCH Consortium has been analysing these inputs, together with the responses to our recent [online survey](#) (still active) to identify the priorities of bipedal robotics community.

EUROBENCH at ISEK2018

On June, we attended ISEK 2018, with a WS entitled ‘How good is my robot? The increasing importance of benchmarking in wearable robotics research’, stressing the importance of having quantitative indicators to measure the effects of robotic technologies on humans, in different application domains such as Healthcare and Industry. EUROBENCH was represented by Diego Torricelli, from the Neural Rehabilitation Group of the Instituto Cajal (CSIC), who took the opportunity to present the upcoming First Open Call. It was great to perceive real expectation from the community for standardized methods to assess bipedal locomotion in realistic “out-of-the-lab” environments.

Upcoming events

July 25, 2018

EUROBENCH will held a Webinar to share all the details about the First FSTP Open Call - Developing the Framework. It will be the perfect event if you want to know more on how to participate. Stay tuned!

[Read more](#)

August 28, 2018

EUROBENCH will organize the Workshop "EUROBENCH Info Day & Pre-proposal check: Improve your project proposal!" at BIOROB2018, an opportunity to improve the quality of the project proposals and learn more about the FSTP Open Calls.

[Read more](#)

October 16-20, 2018

At WeRob 2018, EUROBENCH will give a second and last opportunity to make a Pre-proposal check to the participants of the 1st FSTP Open Call. After this event, participants will have only 10 days before the final deadline, October 31!!

[Read more](#)

EUROBENCH: not just a project but a whole network of funding opportunities for robotics

EUROBENCH wants to contribute to the general development of robotic technologies, for this purpose the collaboration with similar initiatives will be an important task, mostly with similar projects working under the European Commission Sector of '*Robotics Industrial Development and Impact Robotics and Artificial Intelligence*'.

In this context, EUROBENCH wants to celebrate the success of the ROBOTUNION project, which closed its first Open Call on July 3rd. ROBOTUNION is the first European remote acceleration programme fully focused on funding and supporting robotics start-ups and SMEs and contributes to the success of European robotic industry



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