



SuperEMFL

Superconducting magnets for the European Magnet Field Laboratory

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Deliverable D1.2 Project website

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Document Abstract

The aim of this deliverable is to inform the European Commission and the scientific community of the publication of the SuperEMFL website, as part of the EMFL website: <u>https://emfl.eu/superemfl-project/</u>

The creation of the website, shortly presented in this D1.2, is part of the dissemination activities and external strategic communication for the project belonging to the Task 1.6 "Dissemination and public outreach". From now, partners will feed the website as an ongoing process across the full project duration, intended to raise awareness of the project, its objectives, partnership, activities and intended impacts.

Abbreviations

EU: European Union H2020 : Horizon2020





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1. The SuperEMFL website

SuperEMFL website is implemented within WP1 Project management and coordination, precisely in task 1.6 "Dissemination and public outreach".

The website responds to the public engagement strategy of SuperEMFL, to make its activities known to society at large, in a way that they can be understood and appreciated by non-specialists. The major objective of this strategy is to make the general public aware of the importance of fundamental science in general and the significance of developments in high-field materials and technology for present and future innovations.

The project website is part of the EMFL website and will be actively maintained by the consortium, for the promotion and general dissemination of project results and progress. In addition, public information and open project results will be available on this website.

This will guarantee open access to data and project results even after the project is finished. Press releases and promotional articles will be developed and distributed regularly through the web.

The website has been put online on March 17th and it will be online all along the project and at least five years after. The following paragraphs describe the structure and the contents of the website.

1.1 The homepage

The homepage of the SuperEMFL website can be found at the address <u>https://emfl.eu/superemfl-project/</u>. The aim is the presentation of the project through few elements that can be found in the figure below:

- The title and the acronym
- The project logo -
- The public abstract _

SuperEMFL – a Horizon 2020 project





Superconducting magnets for the European Magnet Field Laboratory

will last four years. It is a Horizon2020 European project, field EMFL facilities. coordinated by the laboratory LNCMI of the CNRS France.

The SuperEMFL design study aims to add through the development of the high temperature superconductor (HTS) experiments will make high superconducting magnetic fields technology an entirely new dimension to the European attractive to scientific communities that so far have rarely Magnetic Field Laboratory (EMFL) that go beyond the used the EMFL facilities (NMR, scanning probe, Fourier commercial offer, providing the European high field user transform infrared spectroscopies, ultra-low temperature community with much higher superconducting fields and novel physics, electro-chemistry...). All these new research superconducting magnet geometries. In this way, current high- possibilities will strengthen the scientific performance, field resistive magnets can be partly replaced and the result will efficiency and attractiveness of the EMFL and thereby of the be a significant reduction of the energy consumption, European Research Area (ERA).

The SuperEMFL project started on the 1st of January 2021 and improving financial and ecological sustainability of the static

More specifically, the high field values, the very low noise and vibration levels, and the possibility to run very long duration

Figure 1 : The project abstract

- Few figures like the EU contribution, the total costs, the project duration in months
- The general progress from the beginning





€ 2.9 millions EU contribution	48 months of duration

Figure 2 : The homepage SuperEMFL project

- The H2020 programme acknowledgement

Aknowledgement		
Akiowiedgement	Aknowle	ment
This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 951714. Any dissemination of results reflects only the author's view and the European Commission is not responsible for any use that may be made of the information it contains.	$\langle \rangle$	

Figure 3 : The H2020 acknowledgement

1.2 Partners' information

All the 11 partners are presented in this page, with an interactive layout that allows to discover the organization's website and social media, plus some information about the contact person. A map localizes them in European context.

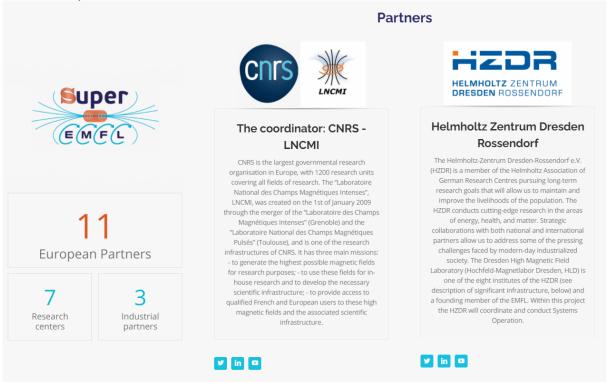
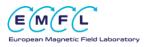


Figure 4: Partners' presentation







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Figure 5: Partner's contact person



Figure 6: Partners' Map

1.3 SuperEMFL objectives and results

This page has been constructive to live all along the project. Here the page administrator will add information about project advancement if they are public. Indeed, published results will be synthetized here with the consortium approval.

Objectives		
Define appropriate specifications	2.Produce a complete design including a failure mode analysis and a risk assessment of the 32+ T and the 40+ T all superconducting user magnets including HTS technology in its center with a field strength significantly above the state-of-the-art Progress 1%	3. Develop the complete characterization and qualification (electrical, thermal and mechanical) of HTS conductors and test colls Progress 1%
Demonstrate the feasibilityconcerning technological challenges (interactions HTS/outsert LTS, quench, mechanics) through modeling and tests Progress 1%	5. Develop requirements for fabrication in an industrial environment Progress 1%	6. Prepare a funding roadmap to implement each magnet Progress 1%
	Figure 7: Objective and Results page	





1.4 Events, News and Documents

In this page all events linked to the SuperEMFL project will be publicised. For instance, conferences, meetings, seminars, all events with a public and in which project partners are potentially interested. This page will be useful to built the dissemination and communication plan.

	Events	
17 03, 2021	SuperEMFL Kick-off Meeting January 25th 2021 By Eleonors SARTOR March 17th 2021 Categories SuperEMFL Events 0 Comments	
*	On the 25th of January 2021 the consortium started the SuperEMFL project in a remote meeting. Due to the worldwide pandemic partners convene in continue for the moment to gather in videoconference meetings.	Read More >
	Figure 8: Upcoming and past events page	

This page is about News on the topic of the project. If something in particular arrives in the frame of the project or in the same environment that can impact the project, it will be published here. For instance, a scientific publication, a reward, a discovery...

Home - SuperEMFL News	
SuperEMFL project has started!	
he Super EMFL project started on the 1st of January, whithin the European programme Horizon2020. For the next four years 11 partners will conduct a research on designing a new high temperature superconductor magnet. Follow other news and project []	
y Electron's SARTORI March 17th, 2021 Categories: SuperEMR. News D Comments Read Mo	ire >

Figure 9: News page

In Documents page it will be possible to download public deliverables, scientific publications, articles and other dissemination materials linked to the project.



Figure 10 : Documents page

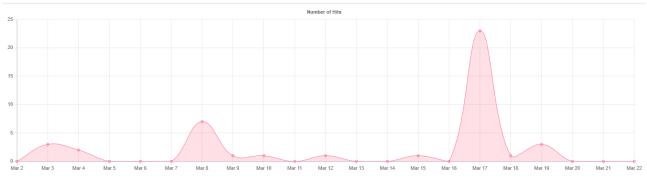




2. Website follow up

2.1 Visualisation statistics

Wordpress provide the statistics to analyse the number of visualizations of the website.



2.2 Hosting and security

Hosting:

The website is hosted as presented below:

Location: servers are hosted in the CNRS facilities in Grenoble

Network: CNRS facilities provide a 500 Mbps guaranteed bandwidth.

Security

Website security is provided by CNRS

condition of security: data centre with dual power supply and a ripple current (external electric generator); protection from fires; secured access to site

In addition to this security, a complete database backup is performed.