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**Generalitat
de Catalunya**



UNIÓN EUROPEA

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BUENAS PRÁCTICAS

Actuaciones Cofinanciadas

Reform of the health infrastructure of the Hospital del Mar de Barcelona: start-up of 6 hospitalization units, a new emergency area and adaptation works in the Hospital del Mar itself, in the Hospital de la Esperança and in the Fòrum Center .

Generalitat de Catalunya

Programa Operativo de Catalunya

Año 2022

Fondo Europeo de Desarrollo Regional

The project presented as Good Practice: **Reform of the health infrastructure of the Hospital del Mar de Barcelona: start-up of 6 hospitalization units, a new emergency area and adaptation works in the Hospital del Mar itself, in the Hospital de la Esperança and in the Fòrum Center .**

The health reform project of the Hospital del Mar de Barcelona consists in the commissioning of 6 hospitalization units and a new emergency area of more than 4,000 m² by expanding one of its buildings, specifically Building B2.

The expansion will provide the Hospital del Mar, among others, with 4 new operating rooms equipped with technology for image diagnosis using computed tomography (CT) and magnetic resonance imaging, a new area for maternal and child care, an increase of 18 beds for the Intensive Care Unit (ICU), a hospital ophthalmology service and the start-up of 6 hospitalization units.



This project aims to improve the accessibility of the population to health services of the territory and increase the level of healthcare and health in general. Also, and given the characteristics of the expansion, it aspires to consolidate coverage of highly complex care for the population of Barcelona, as well as to become a reference center in Catalonia for certain clinical areas.

Also included in this project are the previous adaptation works at the Hospital del Mar itself, at the Hospital de la Esperança and at the Fòrum Center, all of them centers that belong to the Consorci Mar Parc de Salut de Barcelona.

This project involves a total cost of 49,859,231.18, of which the total eligible cost is 49,859,231.18 € and a FEDER aid from REACT-EU resources of 49,859,231.18 €. With the actions carried out, it is expected to have an impact of 49,459 new patients, starting in 2024.

This operation is presented as a Good Practice because it meets the following criteria:

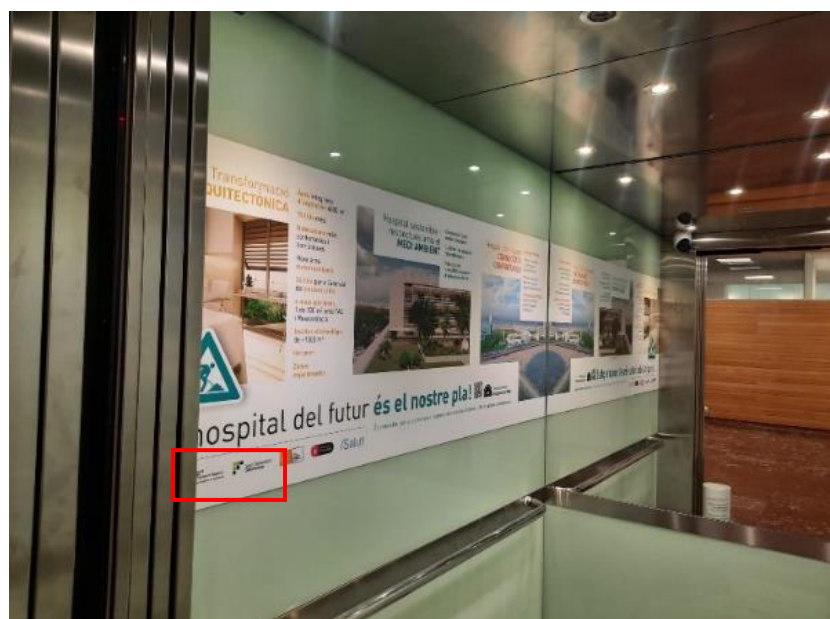
1. High diffusion among the beneficiaries, potential beneficiaries and the general public

This operation has been duly disseminated among the beneficiaries, potential beneficiaries and the general public. In this sense, the following actions stand out:

Presentation act and publications about the event in the media:

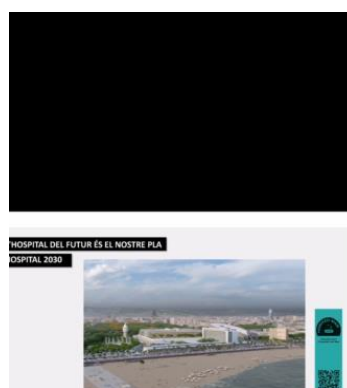


Signs and informative panels at the Hospital del Mar facilities:





Publications in social networks: Twitter , Instagram and Youtube :



2. Incorporation of innovative elements

This new B2 Building will allow personalized care for patients, will imply a qualitative leap in the implementation of devices with innovation and digitization components to improve the currently existing services, and will provide Hospital del Mar with efficient facilities adapted to upcoming times.



In addition, the new equipment will allow to extend robotic surgery, incorporate virtual reality and augmented reality tools, as well as real-time connections with 5G technologies. All of this will entail a centralization of information and advanced data exploitation with support from the operational command centers (*digital command center*).

Smart spaces will also be created to improve the stay of patients and family members through home automation rooms, artificial intelligence assistants and tablets at the foot of the bed.

3. Adequacy of the results obtained from the operation to the established objectives

The purpose of the reform of Building B2 of the Hospital del Mar is to improve the population's access to a new concept of hospital and new services. Likewise, it will mean progress in terms of innovation in healthcare, in which connectivity and telematics will be working tools between citizens and professionals.



The European funds of the REACT-UE instrument will ensure the achievement of the objectives by financing the construction and equipment, which is meeting the deadlines established in the *master plan* and whose established objectives are the following actions: expansion of the

emergency service of more than 4,000 m², new operating theaters equipped with CT and magnetic resonance technology, an increase in beds to 18 ICU beds and a new maternal and child care area and ophthalmology service.

4. Contribution to the resolution of a regional problem or weakness

The pandemic caused by the Covid-19 virus has highlighted the importance of strengthening the sanitary devices available throughout the territory. This project will make it possible to strengthen and settle one of the main health facilities in the city of Barcelona, the Hospital del Mar, strengthening the health network of Catalonia and committing to a transformation towards innovation and the most cutting-edge technology.

The new Hospital del Mar will be prepared to provide a first-class service not only to its reference population, but, due to its privileged location, it will also be able to provide health care to the large number of people who need hospital services in the city of Barcelona during their stay. In addition, the new B2 Building will be prepared to respond to possible health emergencies, thus collecting all the knowledge and experience acquired as a result of Covid-19.

5. Degree of coverage of the population to which it is addressed

The Hospital del Mar is currently the most important health facility in the Ciutat Vella and Sant Martí districts of the city of Barcelona, home to 320,000 citizens. That is why the commissioning of the 6 hospitalization units and the new emergency area will have a very significant impact on the quality of care services that the population of the aforementioned districts will be able to access and, ultimately, on of the citizens of Barcelona in general.



The new B2 Building was designed taking into account co-creation workshops, carried out following the *serious game* methodology, where patients and relatives, but also professionals from the center, have worked on a series of proposals for organizing the spaces in the new building. In this way, all the participants have been able to express their opinion about how hospital floors and rooms, changing rooms, bathrooms, living rooms or corridors should be.

6. Compliance with horizontal principles (sustainable development, equality between men and women and the principle of non-discrimination) and environmental regulations

The new building of the Hospital del Mar is not only designed to improve its healthcare services, but also wants to respond to a clear commitment from the Consorci Mar Parc de Salut de Barcelona regarding its environmental impact. In this way, all the facilities are defined with criteria of high sustainability and energy efficiency, Building B2 being a construction carried out with totally sustainable criteria, energy efficient and 100% respectful with the environment.



This project foresees a reduction in the mobility of patients as a consequence of the approach of the care services to the territory and as a consequence of the decrease in displacements, a decrease in the indirect carbon footprint caused by the hospital is estimated. In addition, the new Building B2 has the LEED-NC environmental certification system and meets the criteria of the Agència de l'Energia de Barcelona.

Regarding the horizontal principles related to equality between men and women and the principle of non- discrimination , the Consorci Mar Parc de Salut de Barcelona has an Equality Plan between women and men that guarantees professional practice under equal conditions.

7. Synergies with other public intervention policies or instruments

This project is aligned with the recovery and resilience objectives of the Recovery Plan for Europe, known as Next GenerationEU , to the extent that the response capacity of the health system will be strengthened and modernized through the Hospital de Mar. For this reason, the expansion of the B2 building opts for key financing for the budgetary feasibility of the work through the instrument of aid to the recovery for the cohesion and the territories of Europe REACT-EU.



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