



CARING NATURE

Sustainable solutions for healthcare

CARING NATURE aims to foster a cultural shift in the sector: achieving sustainable, eco-friendly healthcare systems thanks to solutions that are effective, affordable, and acceptable to all stakeholders.

Therefore, CARING NATURE develops 10 innovative and sustainable solutions to reduce the adverse impact of the **health and care** sector on the **environment**, without interfering with the safety of patients and medical staff.

“The nature of the health and care workers should be **CARING** both for their patients and for **NATURE**”

The **CARING NATURE Consortium**



Objectives

OBJECTIVE 1 Governance

Increase the **governance** capability of HCPs, policy makers and investors to implement the green transformation, while ensuring social and economic sustainability.

OBJECTIVE 2 Buildings

Reduce the environmental impact of buildings and their energy consumption.

OBJECTIVE 3 Waste

Reduce and valorise the medical and food waste as well as **wastewater**.

OBJECTIVE 4 Patients travel

Reduce the environmental impact of **patient travel** through next generation telemedicine.

OBJECTIVE 5 Staff engagement

Obtain **staff engagement** in the green transition of the healthcare providers



Solutions

Knowledge Sharing and Decision Support System

A software infrastructure empowering stakeholders through sharing sustainable knowledge, measuring environmental impacts, and guiding informed decisions for holistic healthcare sustainability.

Green Lean Healthcare

An analytical method that identifies processes which reduces green house gaz emissions and removes non-value added activities for cost and time reduction.

Green Building Compass 4 Care

An AI software-based toolkit for decision support regarding the development and management of green and resilient healthcare facilities.

ENER

An AI-driven energy management software for healthcare buildings to monitor, predict, optimise, and assess processes towards low and zero impact sustainable energy structures.

MED-WASTE PYROLISIS

An on-site prototype plant to produce sustainable alternative fuel from medical waste by pyrolysis and therefore, eliminate waste transportation and landfill or incineration.

CleanFlow

Assesments of affordable and sustainable processes for hospital wastewater treatment to reduce water pollution, based on economic, environmental and chemical criteria.

WASTE - OR

A set of guidelines to reduce and valorise waste produced in operating rooms, promoting the reuse of materials and the rethinking of strategies and regulations.

FoodToBiogas

A feasibility study of two on-site processes to produce biogas from food waste, allowing to reduce CO2 emissions through transport reduction, local production of energy and reduction of antimicrobial genes

TELE-ME NOW

A set of telemedicine solutions in an all-in-one suitcase for patients enabling remote consultation with the same pieces of information as in-person visits (heart, lungs, ENT, ECG, skin, ...), protocols for delivering telemedicine, ...

ENGAGE

A participatory staff engagement model fostering environmental sustainability awareness, innovative ideas, and adoption of solutions developed by CARING NATURE

Methodology

The solutions are co-developed tested and validated in **33 use cases in 5 European healthcare organisations** located in Finland, Germany, Greece, Italy and Spain.

Start Date 1 January 2024

Duration 36 months

Budget 6M€

CONTACT US



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19 PARTNERS FROM 11 EU COUNTRIES



PROJECT COORDINATION



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