



CARING NATURE

Sustainable solutions for healthcare

FACTSHEET #5

Increasing **governance capabilities for healthcare's Green Transition**





The role of governance in healthcare

The role of governance (HCP managers, policy makers, health authorities, ...) on healthcare and the environment is an essential driver to lower the sector's carbon footprint. Indeed, **governance can establish regulations and policies to support the adoption of sustainable practices and technologies**. In the healthcare sector priority has always been given to patient care and cost-efficiency over sustainability. But governance bodies have the ability to incentivise and enforce waste management, renewable energy consumption and eco-friendly products, leading to adopt an environmentally sustainable culture in healthcare, without interfering with the safety of patients and medical staff.

To ensure that governance **influences resource allocation and strengthens decision-making processes towards healthcare green transition**, it is necessary to set up **down to top collaborations and knowledge sharing**.



How CARING NATURE address the issue

CARING NATURE aims to increase the governance capabilities of healthcare providers, policy makers and investors in order to implement green transformation while ensuring social and economic sustainability. To achieve its objective, **two innovative solutions** are being developed that specifically address decision-making and knowledge-sharing practices.



1

Knowledge-sharing and decision support system (KSS-DSS)

2

Green Lean Healthcare



Knowledge-sharing and decision support system (KSS-DSS)

The **KSS-DSS** is a software aimed at facilitating knowledge sharing and sustainable decision making for healthcare providers. The tool will help measure and benchmark healthcare facilities' environmental footprint, enabling specialists, policymakers, and investors to make informed decisions towards a greener health and care.

Especially, **KSS** is a centralised platform providing healthcare providers with access to reliable knowledge, best practices, methods and activities to engage in the sector's sustainability. **DSS** is a web-based application, offering a dashboard that enables healthcare facilities managers to monitor energy and water consumption, logistic tracability, etc. It relies on databases coming from relevant internal systems in healthcare facilities.



The solution is developed by SIMAVI. It is tested and validated in three use cases - in Finland (by the Wellbeing services county of Päijät-Häme), in Italy (by FPG) and in Greece (by 7th Health Care Regions of Crete)



Green Lean Healthcare

Green Lean Healthcare is utilising the Lean Six Sigma (LSS) methodology. The LSS method optimises work processes through DMAIC phases (define, measure, analyse, improve, and control). The method identifies processes to reduce green house gas emissions and to eliminate non-value-added activities for cost and time savings. It will allow integration of green perspectives into healthcare reengineering, considering the specific organisational context.



The solution is developed by RINA. It is tested and validated in three use cases - in Italy (by FPG), in Spain (by FHAG) and in Germany (by UKHD)

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