

European Lead Market Public Procurement Network to Stimulate Innovation for Low Carbon Building Solutions in the Health Service Sector



THE PROJECT

Three year EC funded project

- 2010 – 2012
- One of three LMI Public Procurement Networks

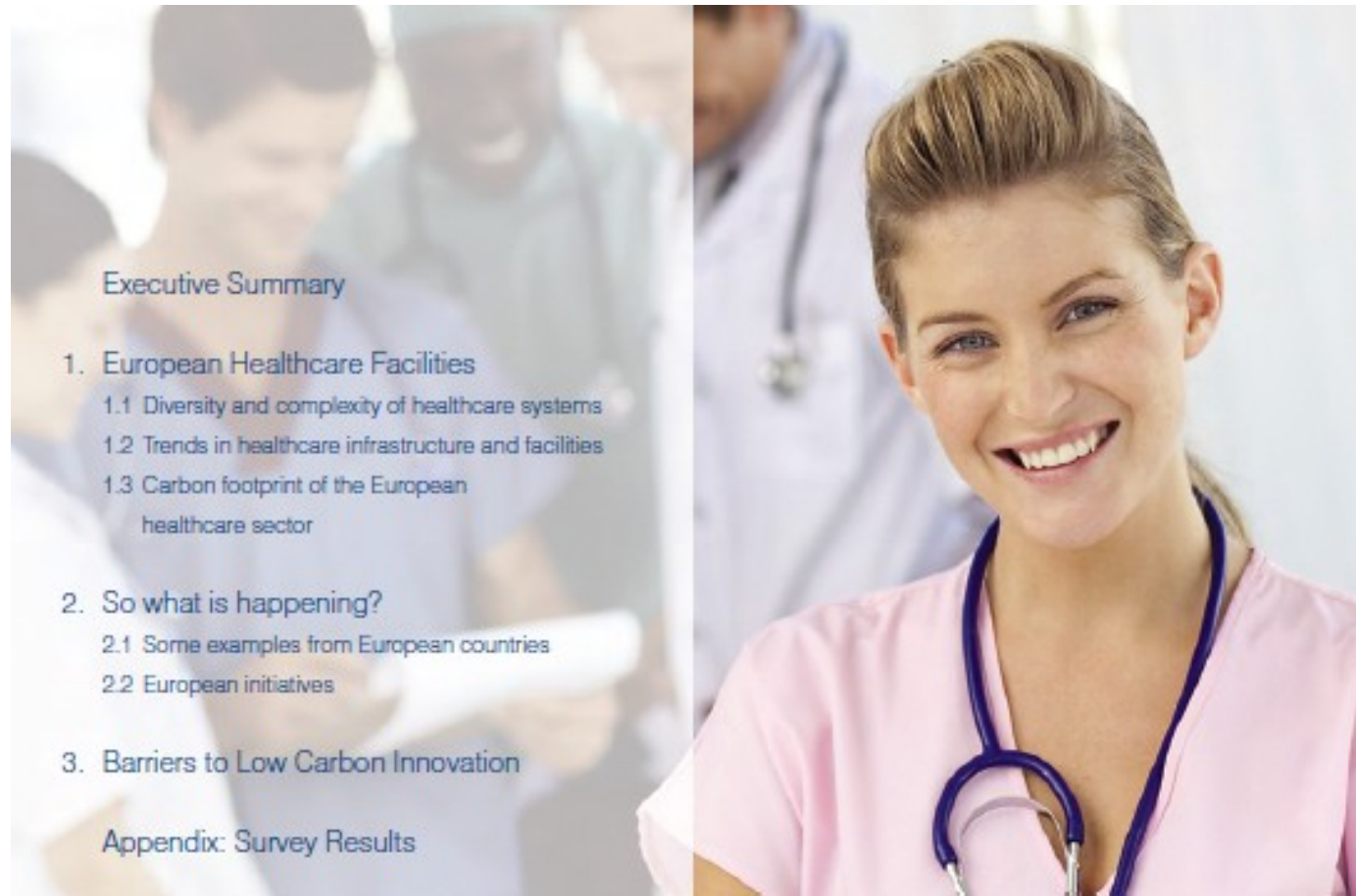
Six partners, four countries

- Department for Business Innovation and Skills (UK)
- European Health Property Network (EuHPN)
- Dutch Centre for Health Assets (Netherlands)
- Directorate for Health Affairs (Norway)
- Rawicz Hospital (Poland)
- Department of Health (England)

OUTCOMES - SO FAR

- Website
 - Information portal
 - Quarterly eNewsletters
 - Virtual networking functionality
- Publications
 - State-of-the-art report (April 2011)
 - Interim findings on good practice (October 2011) **New**
- Demonstrator projects in four countries
 - England, Netherlands, Norway, Poland
 - Interim case studies (October 2011) **New**
- European stakeholder conferences and workshops
 - Wider geographic network of 'pioneering leaders' emerging
- Spin-off project
 - RES-Hospitals (led by EuHPN member from Italy)
- Options for joint European procurement actions

STATE OF THE ART REPORT (April 2011)



Executive Summary

1. European Healthcare Facilities

- 1.1 Diversity and complexity of healthcare systems
- 1.2 Trends in healthcare infrastructure and facilities
- 1.3 Carbon footprint of the European healthcare sector

2. So what is happening?

- 2.1 Some examples from European countries
- 2.2 European initiatives

3. Barriers to Low Carbon Innovation

Appendix: Survey Results

KEY FINDINGS

The carbon footprint of the European healthcare sector is at least 5% of total EU emissions; similar to that from its international aviation and shipping activities.

Innovation in design, construction and renovation practice is urgently needed to reduce this footprint and create the low carbon, sustainable, patient-centric healthcare service models of the future.

Surprisingly, economic viability and operational risk were not regarded by stakeholders as the critical barriers to innovation. The key problem appears to be that low carbon policies have not yet influenced wholesale changes in procurement culture. In particular there was a lack of low carbon innovation leadership from both the healthcare sector and the design & construction supply chain.

Worryingly, there are strong indications that the European debt crisis and associated public sector budget cuts are inhibiting the policy and fiscal interventions that will be needed to overcome the procurement barriers.

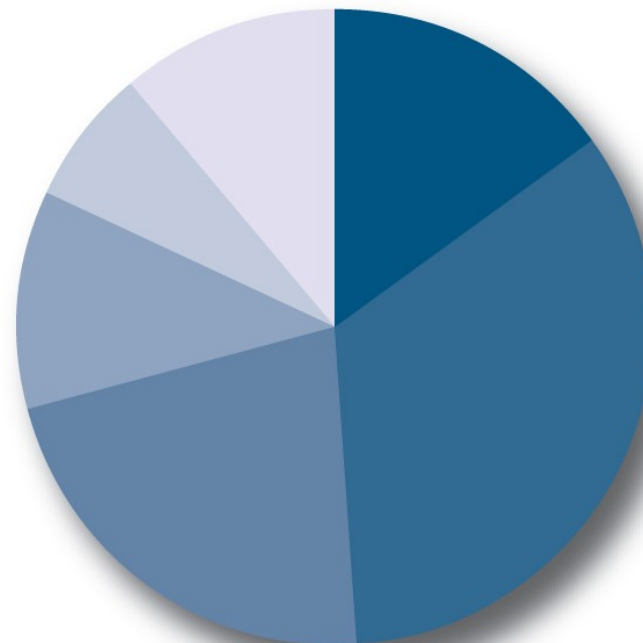
LEADERSHIP EXAMPLES



STAKEHOLDER SURVEY (2010)

100 Stakeholders
Nine European countries

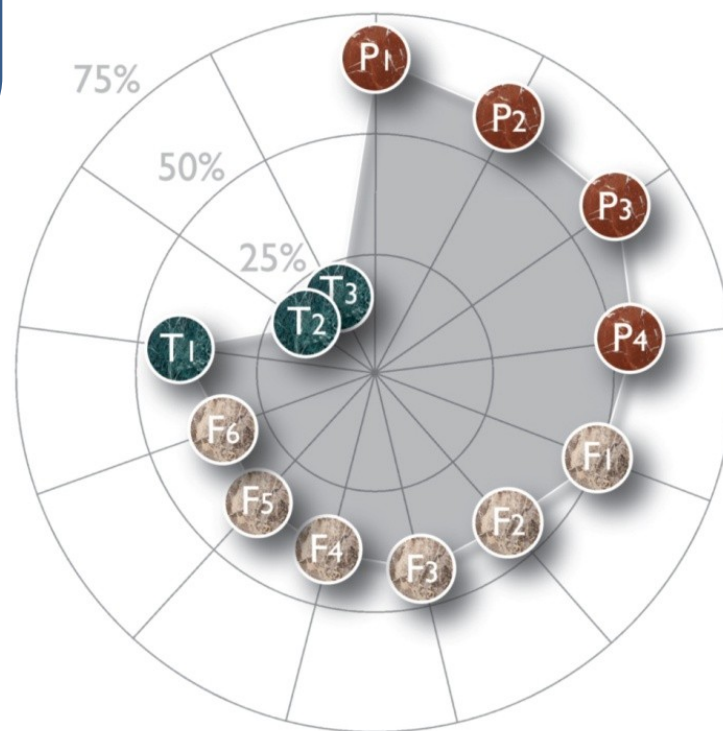
- Healthcare boards / managers
- Healthcare ministries / agencies
- Operational facility managers
- Architects & design teams
- Construction supply chain
- Building services industry



BARRIERS TO LOW CARBON INNOVATION

Procurement practice appears to be the most important barrier

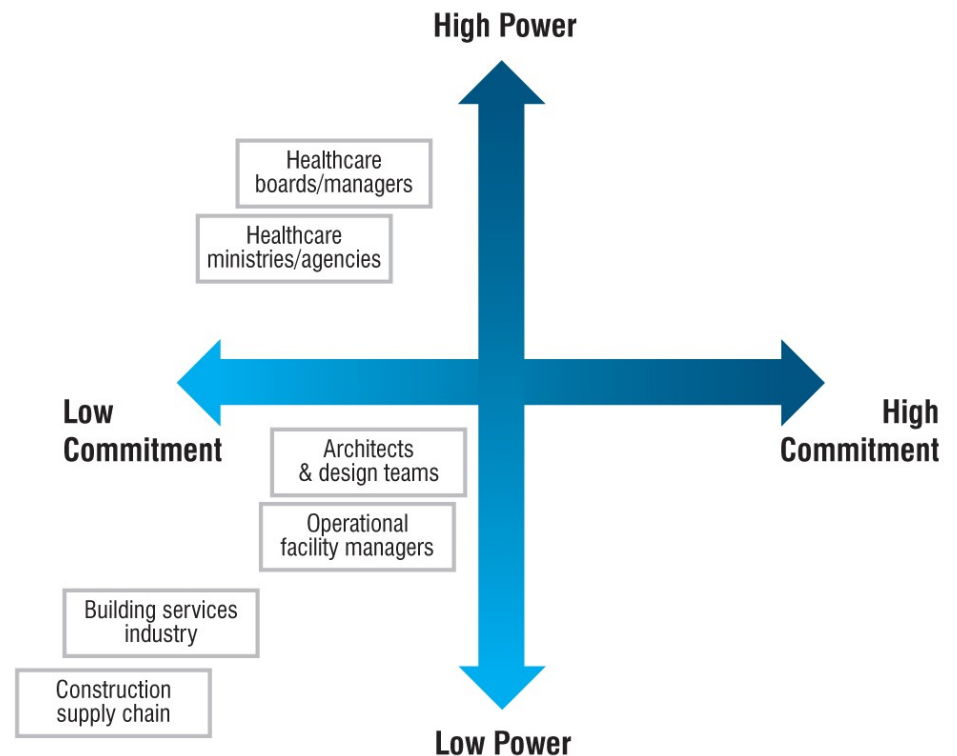
- P1 - Procurement practice for healthcare facilities is still biased towards initial capital investment cost rather than whole life costing
- P2 - Political targets to reduce CO₂ emissions from buildings are not yet translated into mandatory procurement criteria
- P3 - There is a lack of pre-procurement dialogue on low carbon options between buyers and the supply chain
- P4 - Procurement specifications do not explicitly encourage low carbon outcomes



LACK OF LEADERSHIP

None of the stakeholder groups are considered to be the 'champions' of low carbon buildings

Less than 50% of the sample 'AGREED' that any of the six main stakeholder groups have the commitment to influence the planning and procurement of low carbon buildings. Architects, design teams and operational facility managers are regarded as having the highest commitment. Healthcare ministries, agencies, boards and managers clearly have the highest power. The construction supply chain and the building services industry appear to have the least power and commitment.



LCB-HEALTHCARE

Procuring better building solutions

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Working together to reduce the carbon footprint of healthcare buildings



"No one knows the precise size of the health sector's global climate footprint but we know that it is substantial...Reducing the [sector's] climate impact is as complex as the broad diversity of health systems that exists in the world" ([World Health Organization and Health Care Without Harm, 2009](#))

LCB-Healthcare stimulates demand for innovative low-carbon solutions for the healthcare sector by providing procurement decision makers with the knowledge and tools to achieve more sustainable buildings within their budget constraints.

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Events

The latest events from LCB-Healthcare and the wider healthcare procurement sector

Pilot Studies & Case Studies

Better understanding the barriers to innovation and procurement practices through a series of

Lead Market Initiative

The LCB-Healthcare project is one of the [Public Procurement Networks](#) that have

EcoQUIP

Improving the efficiency, quality and sustainability of healthcare through innovation procurement

- Natural successor to LCB-HEALTHCARE
- LCB-HEALTHCARE coordination team + Six lead hospitals + associated hospitals
- Collaborative procurement of innovative new solutions
 - Foresight-led procurement 'Compacts'
 - Leader-led collaborative procurement
- Proposal submitted – expected to commence January 2012