A photograph of a wooden boardwalk leading through sand dunes under a clear blue sky. The boardwalk is made of weathered wooden planks and runs straight towards the horizon. The sand dunes are light-colored and have some sparse green vegetation on top. The sky is a deep, clear blue.

Work with reducing carbon in Swedish Health Care

A View from Southern Sweden

**Daniel Eriksson
TEM at Lund University**

Consulting

- Management systems
- Sustainable HealthCare
- CSR & GRI etc.
- Strategic resource managing

Training

- Open programme
- At companies and other organizations

Our networks

- 3 EMS networks
- CSR Skåne
- SHC

Innovation

- LED
- Biogas
- Sustainable healthcare
- Agroforestry
- CSR

HCWH Europe Members



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● Women's Health Organisations
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 ● Environmental NGO
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Sustainable HealthCare brings together leading Swedish companies in the field of sustainable health and medical know-how, equipment, supplies and facilities. We offer you a "smorgasbord" of consultants, architects, manufacturers and specialists who have built hospitals and health care facilities around the world.

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Energy in Sweden

- ▶ Nuclear and hydro almost 50/50
- ▶ Windpower, solar etc are growing rapidly
- ▶ Biogas production is growing
- ▶ District heating very well developed.



- ▶ Biogas cars and other low-fuel cars very common.
- ▶ The building standards very high in a European context – building legislations since the 70's.
- ▶ New buildings have very high demands on energy efficiency. 120 kWh/m² – 60 kWh/m²



- ▶ Geo-thermal heating & cooling, solar cells etc. are becoming more and more common.
- ▶ Staff and patient travels are monitored
- ▶ Many of the regions are on the way to become Climate Neutral, very high ambitions.



N



Nearly all of Region Skåne's vehicles are "green". This results in reduced climate impact and better air in towns.



All those who drive a lot in their work have attended the *EcoDriving* course, which resulted in a 10-15% decrease in fuel consumption.

It is possible to influence the way in which employees travel to work.

The Mimosa Project (environmental & physical exercise in combination), carried out at Helsingborgs Hospital and Kristianstad Central Hospital, has led to improved health and a lower impact on the climate.





In several locations in Skåne, including Helsingborg, Ängelholm and Landskrona, food waste from healthcare is collected and converted into biogas by being allowed to rot.



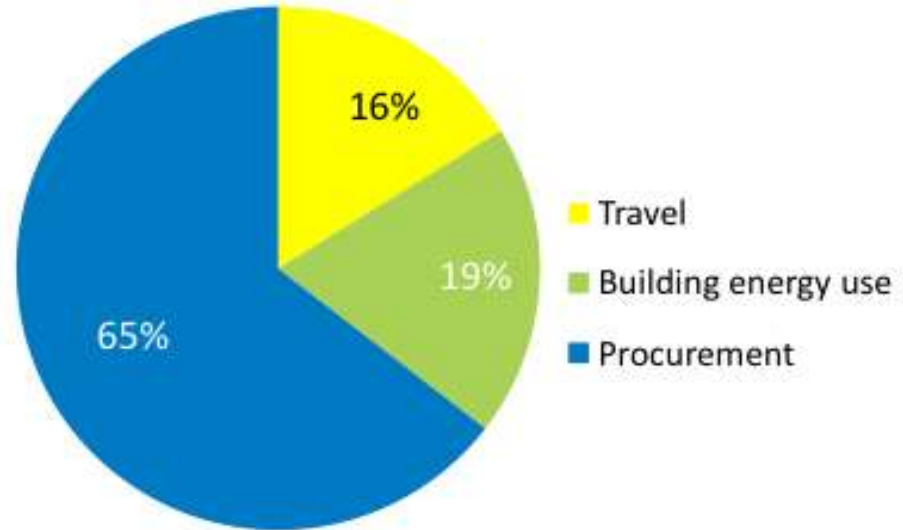
The biogas can then be used as vehicle fuel.

A couple of thoughts

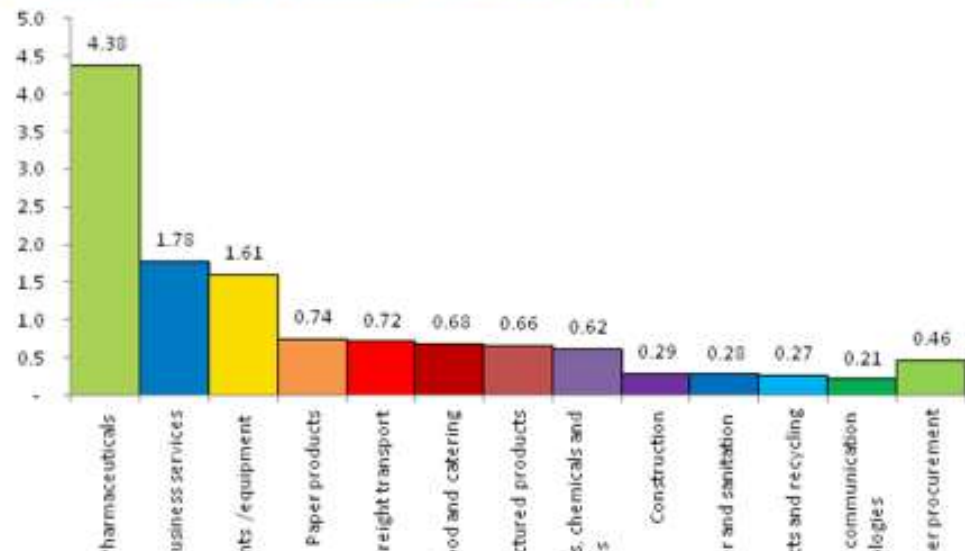
- ▶ More focus on environmental impact, rather than "just" carbon impact.
 - ▶ More focus on procurment – single use items etc.
 - ▶ A holistic view, organic waste to digestion to biogas for cars etc.
 - ▶ System solutions with the surrounding community – waste become energy etc.
 - ▶ Behaviour – not only technical solutions
-

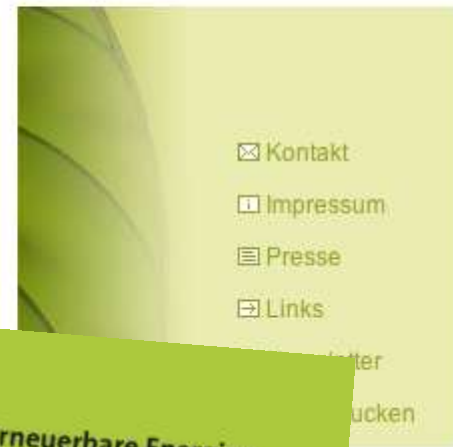
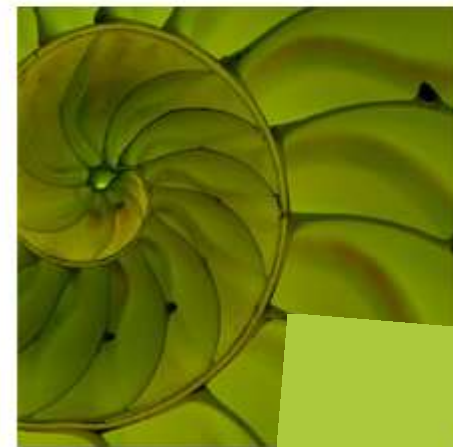
What is the carbon footprint of healthcare?

NHS England carbon footprint 2010



Procurement breakdown by category





German report on renewable energy and energy efficiency in German clinics

Found 1 hospital bed uses as much energy as three newly build family homes



5 Reasons you Need to Attend CleanMed Europe 2012

- Get a holistic approach to sustainable health care
- Learn how to implement sustainable solutions in your organisation
- Visit the exhibition and find out what's new on the market
- Network with leaders in health care sustainability
- Go on Green Tech visits to see examples of sustainable solutions



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Welcome to Malmö!

CleanMed is the world's leading conference focusing on sustainable health care. During 26-28 September 2012 the European version of the conference will be held for the third time in its history. Host city is Malmö, the most continental city of Sweden.

CleanMed 2012 will provide you with a holistic view on the impact of healthcare





GreenTech Visits – Malmö area

- During CleanMed Europe a number of GTV will be offered.
- Experience Sustainable Healthcare solutions IRL and meet both suppliers and facility managers.



Thank you for your time!

Daniel Eriksson

Mobil: +46 707-94 42 13
Mail: daniel.eriksson@tem.se
Web: www.tem.se
Twitter: [@DanielatTEM](https://twitter.com/DanielatTEM)