Spara & Bevara

Uppföljning av hampakalk som tilläggsisoleringsmaterial för historiska byggnader”

Projektnr 139927

Paulien Strandberg-de Bruijn

Lunds Universitet

Kristin Balksten

Uppsala Universitet Campus Gotland

Energimyndigheten

Syfte och mål

Syfte är att med hampakalk på ett hållbart sätt förbättra historiska byggnaders energiprestanda samtidigt som kulturhistoriska värden kan bevaras.

Fullskaleväggar i hampakalk finns på Lunds Universitet.

Målet är att inhämta, analysera och publicera data från försöksväggarna upp till 4 år efter uppbyggnad.

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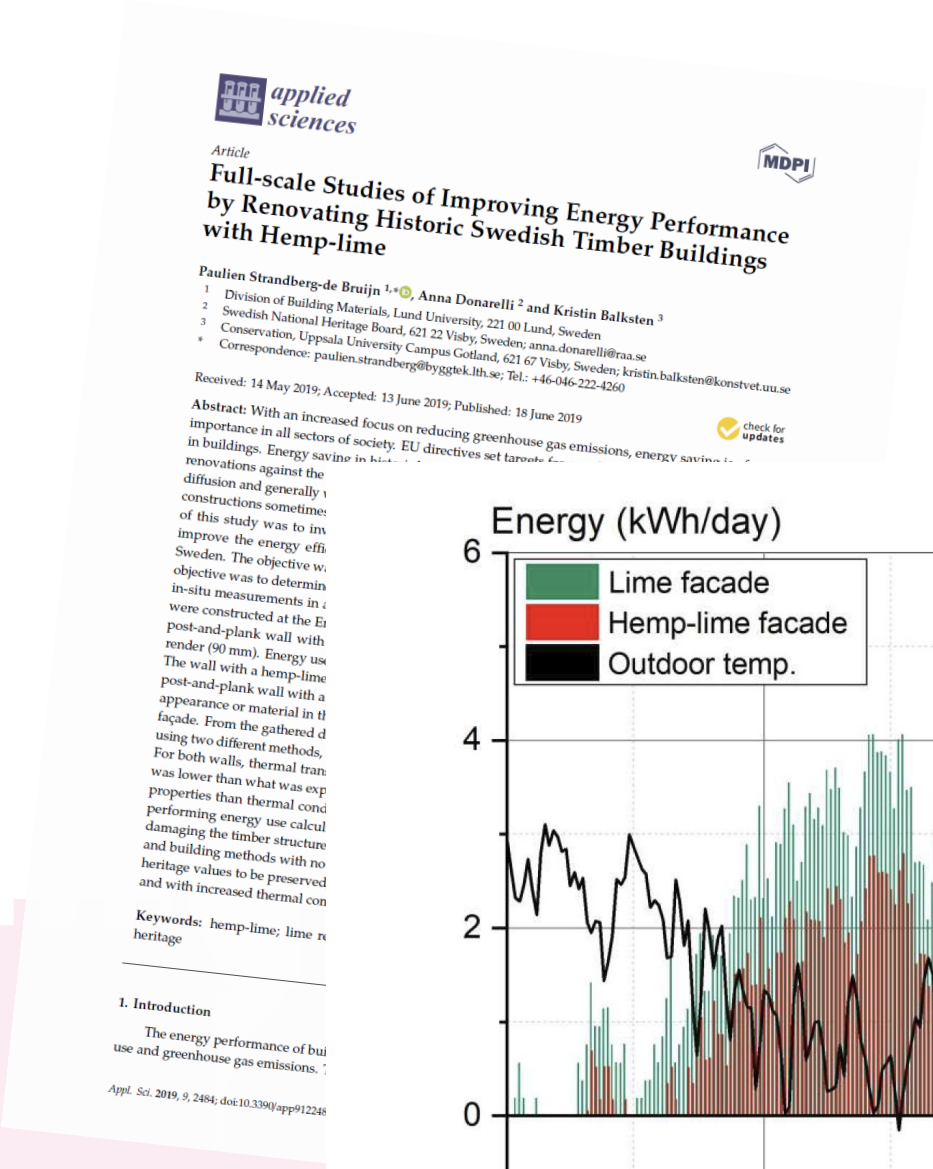

applied sciences

Article

MDPI

Full-scale Studies of Improving Energy Performance by Renovating Historic Swedish Timber Buildings with Hemp-lime

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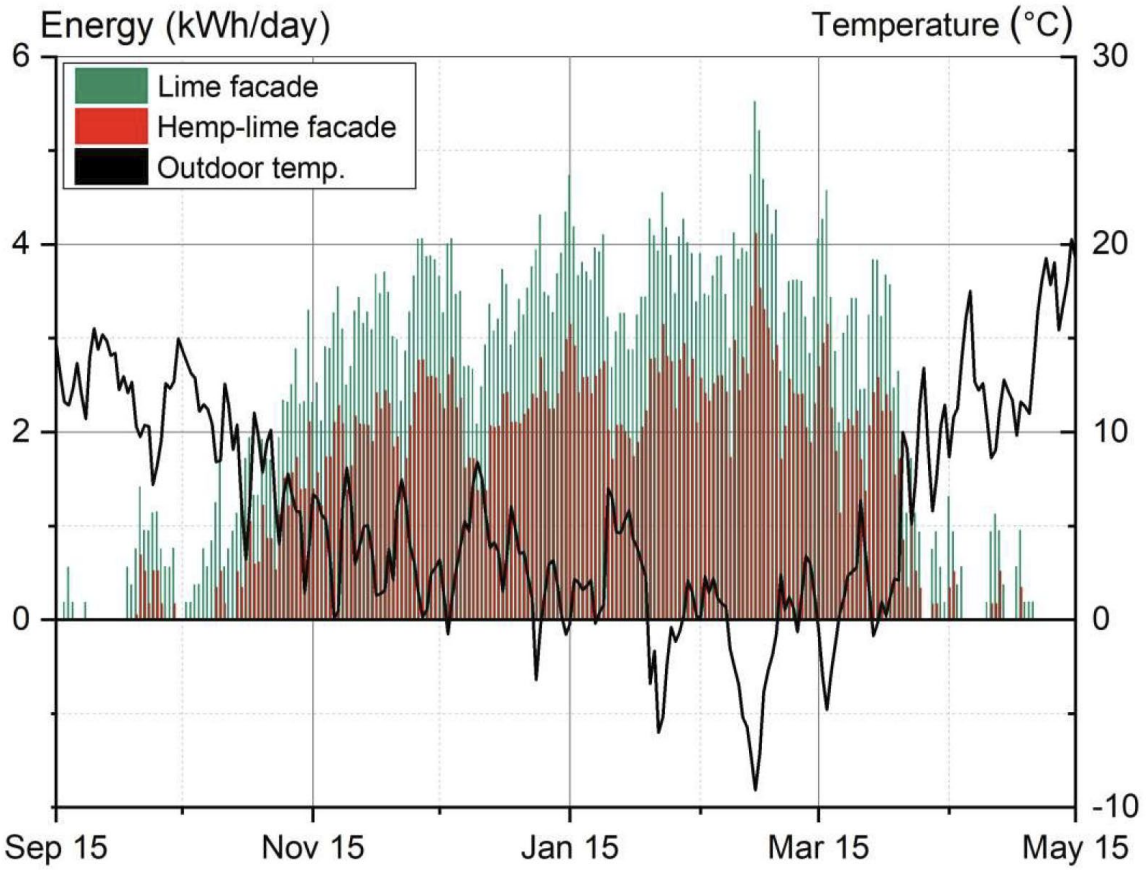
Abstract: With an increased focus on reducing greenhouse gas emissions, energy saving
importance in all sectors of society. EU directives set targets
in buildings. Energy saving in
renovations against the
diffusion and generally
constructions sometimes
of this study was to inv
improve the energy effi
Sweden. The objective w
objective was to determin
in-situ measurements in
were constructed at the E
post-and-plank wall with
render (90 mm). Energy us
The wall with a hemp-lime
post-and-plank wall with a
appearance or material in th
façade. From the gathered d
using two different methods,
For both walls, thermal tran
was lower than what was exp
properties than thermal cond
performing energy use calcul
damaging the timber structure
and building methods with no
heritage values to be preserved
and with increased thermal con

Keywords: hemp-lime; lime r
heritage

1. Introduction

The energy performance of bui
use and greenhouse gas emissions.



Tidigare projekt

Vinter 2017/2018

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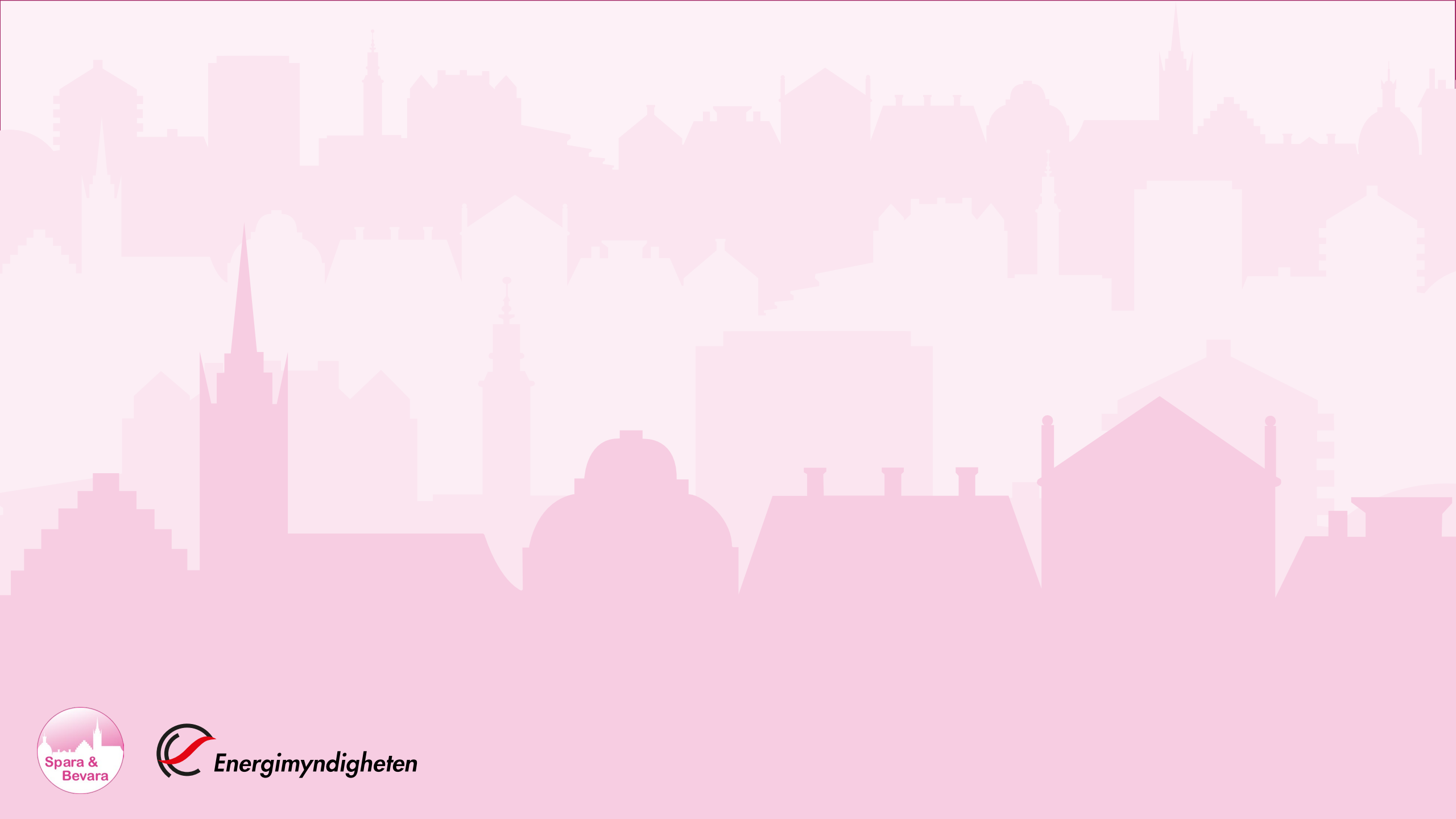
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