



**Universiteit  
Leiden**  
The Netherlands

## **The energy and material related impacts of the transition towards low-carbon heating: a case study of the Netherlands**

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**THE ENERGY AND MATERIAL RELATED  
IMPACTS OF THE TRANSITION  
TOWARDS LOW-CARBON HEATING:  
A CASE STUDY OF THE NETHERLANDS**

Teun Johannes Verhagen

# THE ENERGY AND MATERIAL RELATED IMPACTS OF THE TRANSITION TOWARDS LOW-CARBON HEATING: A CASE STUDY OF THE NETHERLANDS

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*"Ut est rerum omnium magister usus"*  
*"Experience is the teacher of all things"*

- Gaius Julius Caesar

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