



# Developing guidelines for an optimal indoor climate in classrooms for user-interactions in higher education

PhD research project of TU/e and Hanze UAS

Inspiratieworkshop “Gezond Bouwen” Henk W. Brink MSc.

# Aim of the research project

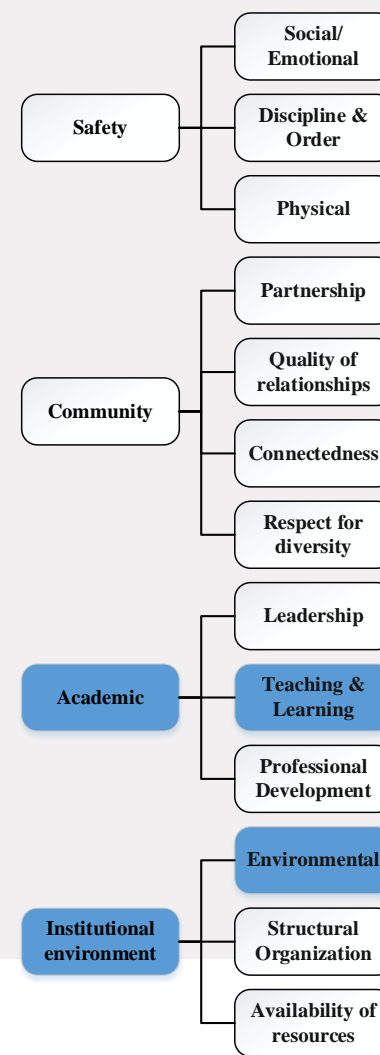
## Research title:

Developing guidelines for an optimal indoor climate in classrooms for user-interactions in higher education

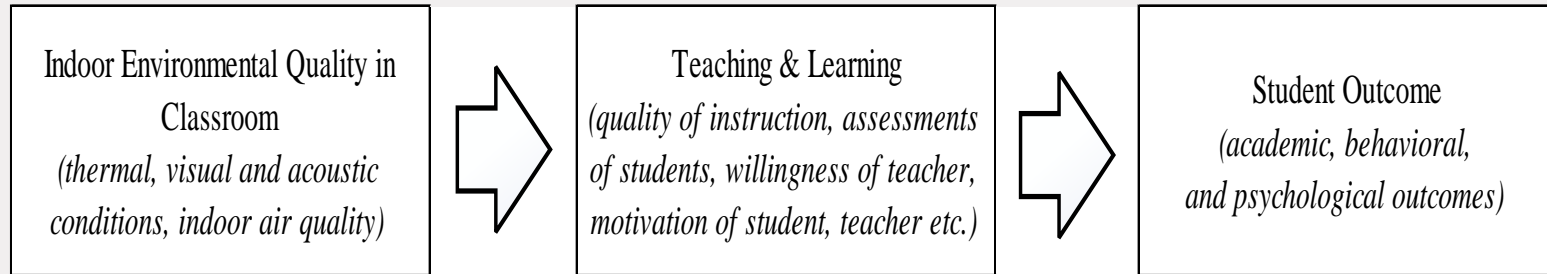
*Ontwikkelen van richtlijnen voor een optimaal binnenmilieu voor gebruiker interacties in het hoger onderwijs*

# School climate and focus of research

Wang, M. T., & Degol, J. L. (2016). School climate: A review of the construct, measurement, and impact on student outcomes. *Educational Psychology Review*, 28(2), 315-352.



## Three-part approach to quality assessment

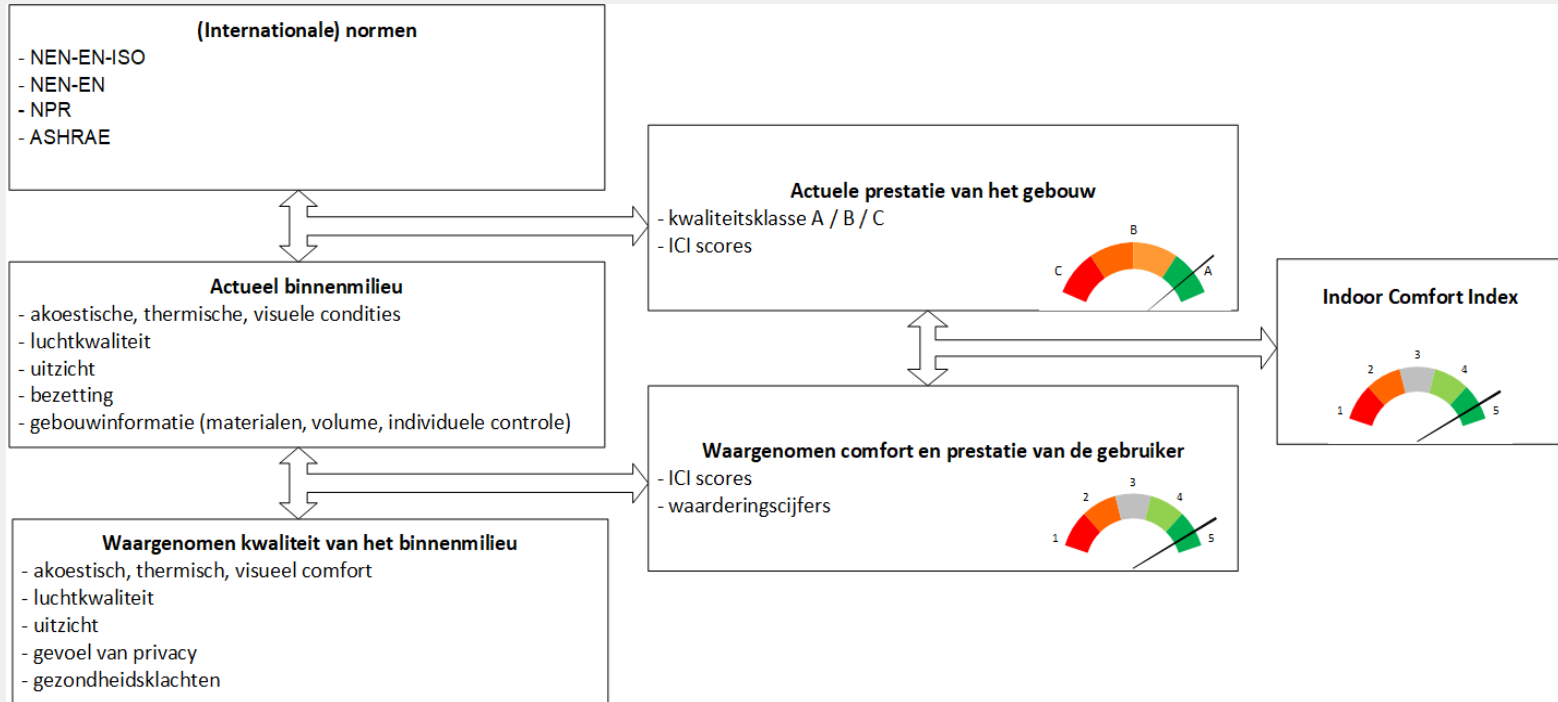


Wargoeki & Wyon, 2017; Dawson & Parker, 1998; Wang & Degol, 2016

# Results

- Literature review (influence and methods) (2019)
- Performing experiments (classroom A and B) (2020)
- Delphi study (how to create an ideal indoor environment) (2021)
- Performing experiments (classroom A and A++) (2022)

# Research in schoolbuildings



# Indoor Environment affect cognitive performance

