

# DISCOVERING THE IMPACT OF BETTER OFFICES, SCHOOLS AND HOSPITALS



**90 million**  
students spend their days in educational buildings.



**80 million**  
workers spend 8 hours each weekday in an office.



**90 million**  
patients spend on average 7.6 days per year in hospitals.

Until recently, buildings have been designed to protect people from the cold or heat, it is time to consider the indoor climate and its significant impact on people's lives.

This research takes the first step at defining, measuring, quantifying and monetizing the impact of indoor air quality, thermal comfort, acoustics, and lighting on students, office workers and patients across Europe.

## PARAMETERS



Indoor air quality



Temperature



Noise



Electric and day light

## APPROACH

Identifying and linking beneficial impacts of Indoor Environmental Quality on people

Quantifying health, educational and performance benefits

Extrapolating quantified benefits to Europe

Putting a monetary value on the benefits

UP TO 2 SCHOOLWEEKS  
SAVED PER YEAR

ANNUAL  
PERFORMANCE  
INCREASE OF  
BETWEEN 2 AND 8%

UP TO €500 BILLION  
GROSS VALUE ADDED

12% INCREASE IN  
PRODUCTIVITY

## FINDINGS

RECOVERY TIME  
REDUCED BY 11%  
ON AVERAGE

SAVINGS OF  
42 BILLION EURO  
PER YEAR