

Bijlage 2 - berekening KPMG op basis van [Green space and mortality in European cities: a health impact assessment study - The Lancet Planetary Health](#)

- a. A study from 2021 on the effect of green space on population health in 31 European countries.
- b. The study presents the results in percentages, we therefore need to find the % of green space that the Lutkemeerpolder makes up of all green space in Amsterdam.
- c. 8.240 hectares total green area in Amsterdam - [Monitor Groen 2022 | Website Onderzoek en Statistiek \(amsterdam.nl\)](#)
- d. Lutkemeer is 43 hectares.
- e. The replacement of Lutkemeer would result in a **0,521845%** decrease of green space in Amsterdam.
- f. As per table 3 in the study, 1% change in green space translates to 70 preventable deaths annually in Amsterdam.
- g. $70 * 0.52\%$ results in **36.5 preventable deaths per year which would be foregone if the Lutkemeerpolder is replaced.**
- h. According to table 3 in the study, 1% change in green space results in 96 years of life lost per year per 100,000 people in Amsterdam.
- i. Total Amsterdam population is 918,100, therefore 881 years of life are lost annually in Amsterdam if the green space decreases by 1%.
- j. Lutkemeerpolder is 0.52% of total green space, therefore **the removal of the polder would result in 459 years of life lost per year.**