



UHI Pilot Area 1 – Legerova Street

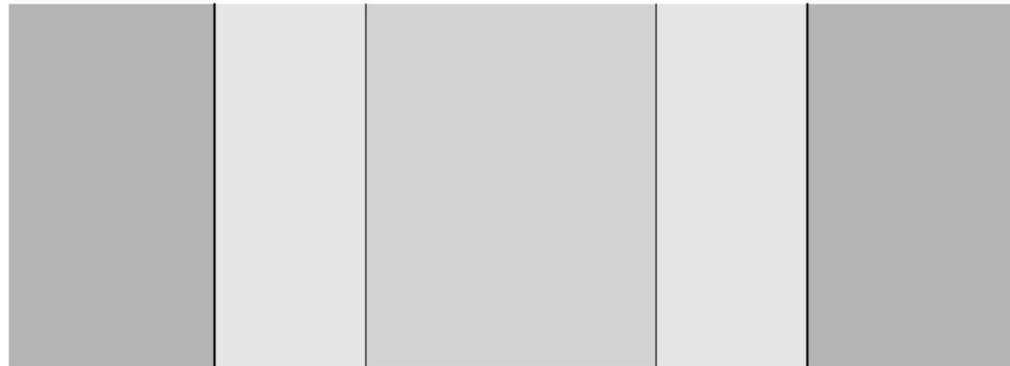
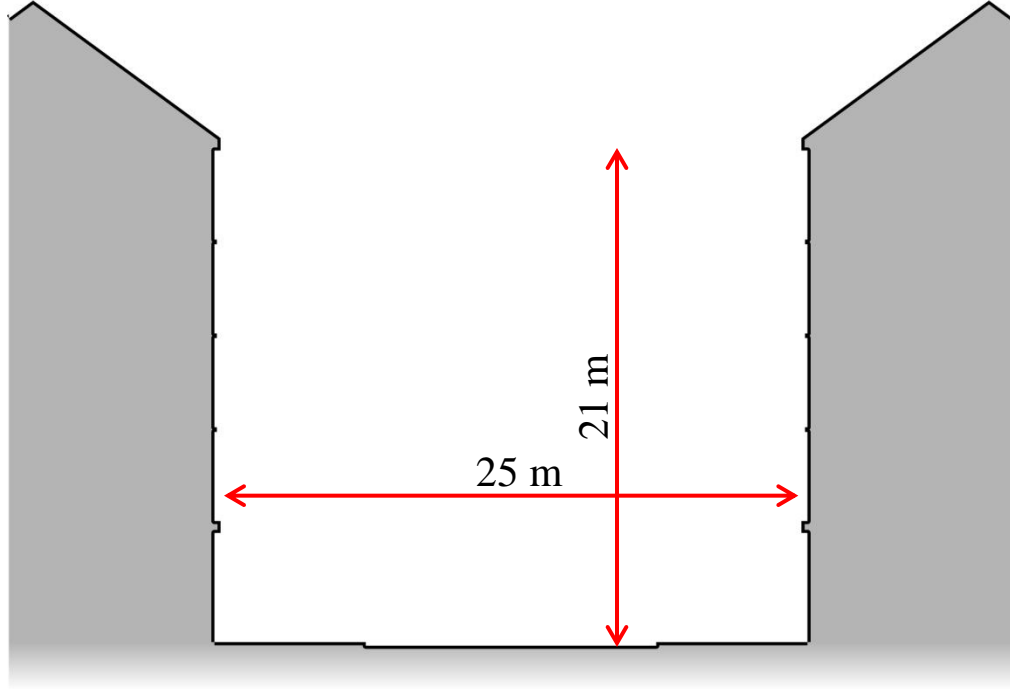
Vladimír Fuka – Faculty of Mathematics and Physics, Charles University

Michal Žák – Czech Hydro – Meteorological Institute

Dominik Aleš – Prague Institute of Planning and Development

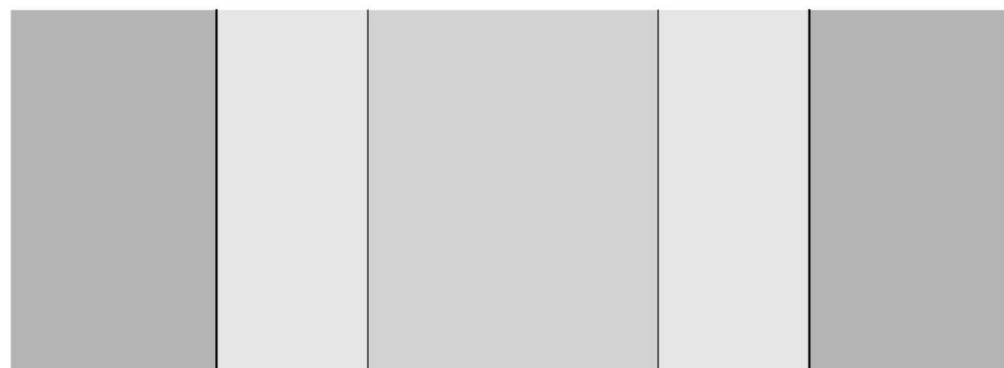
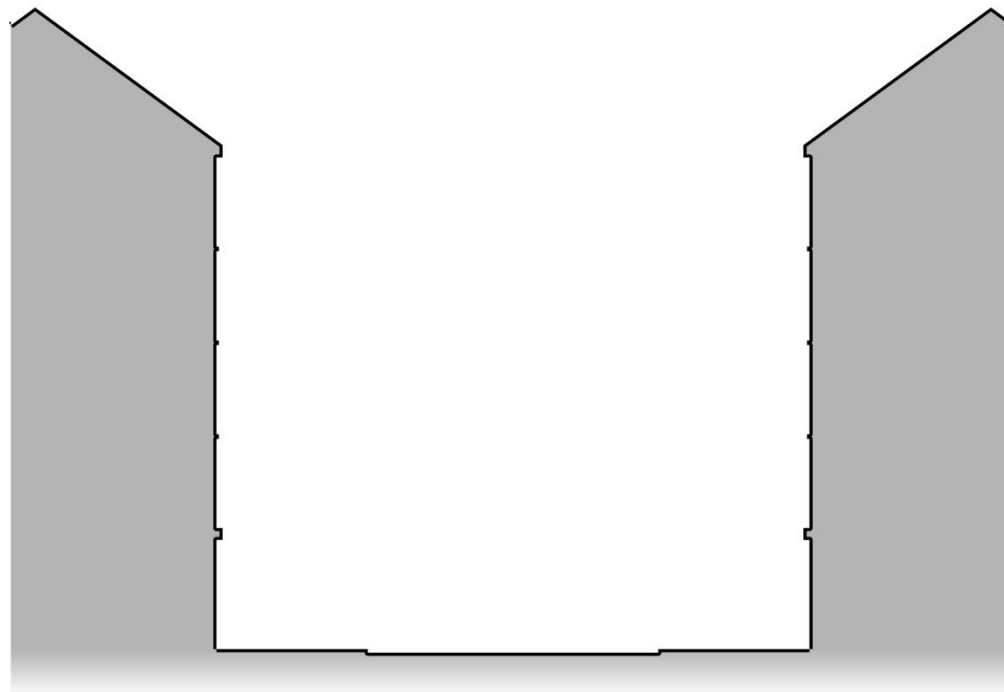




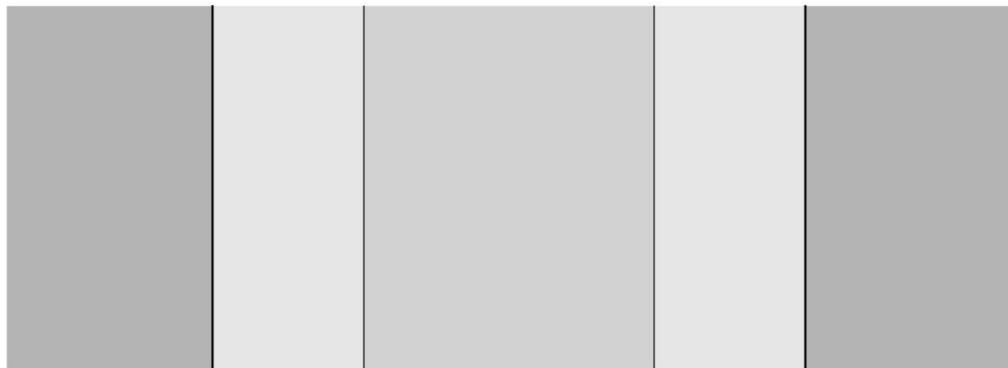
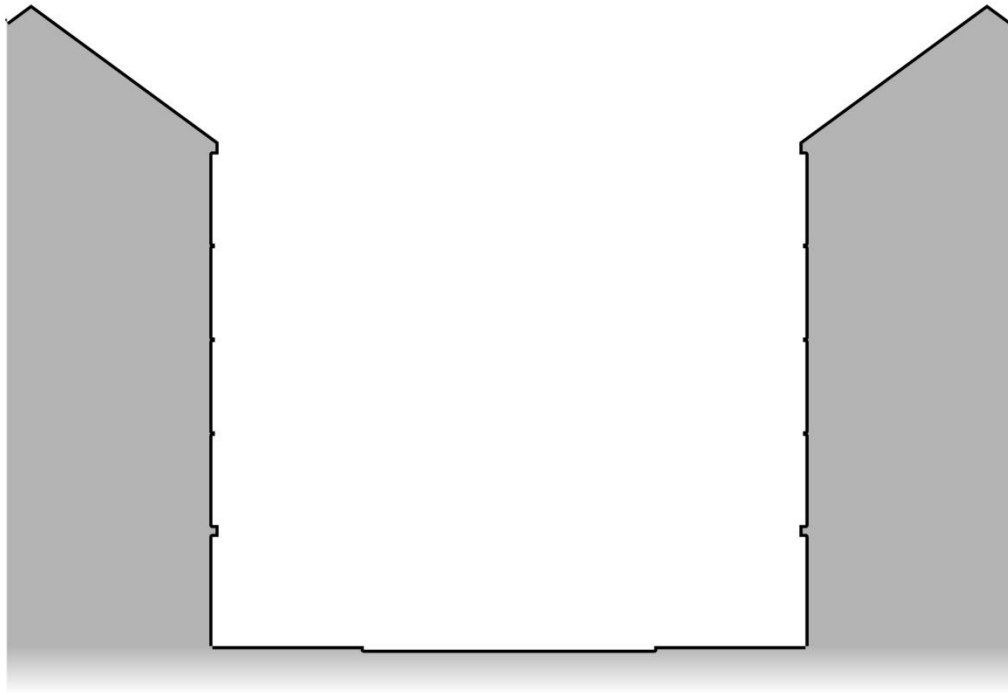


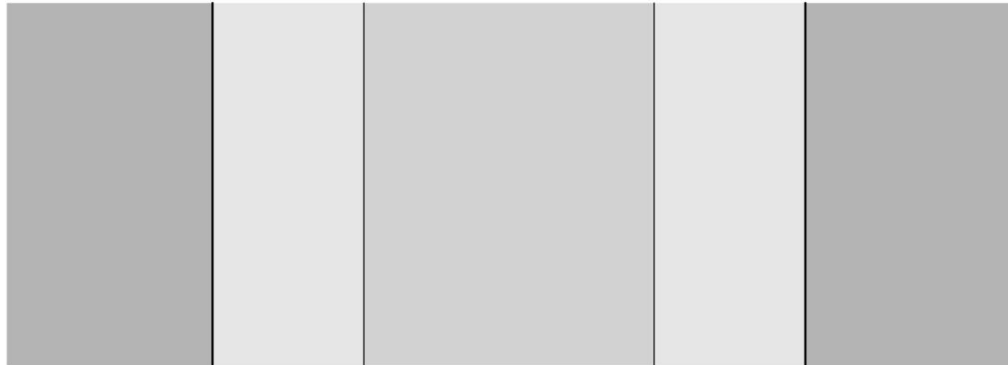
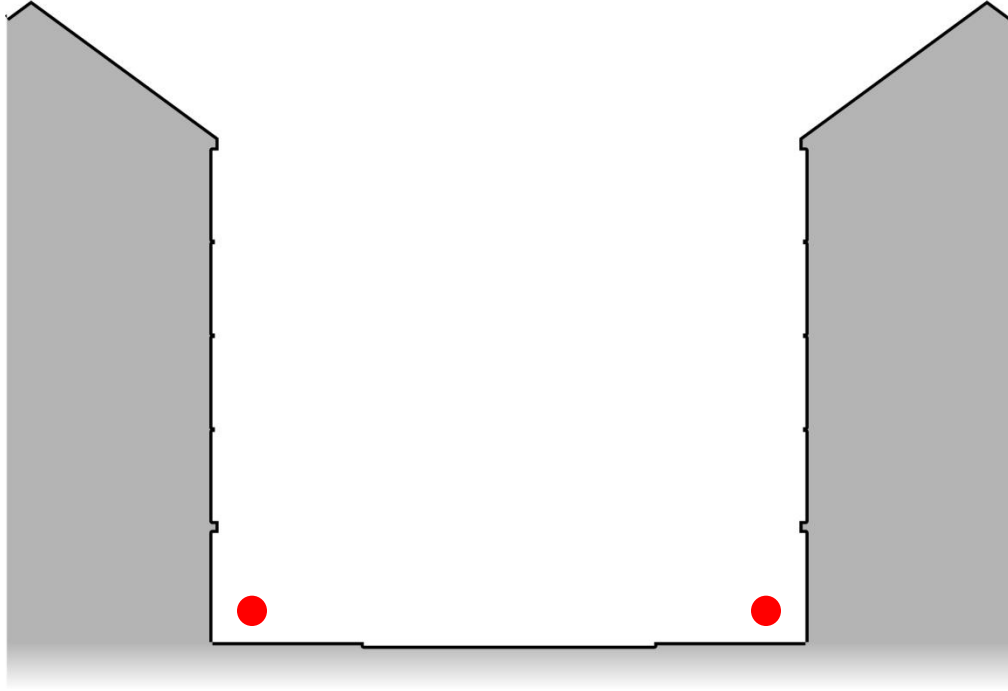
WEST

EAST

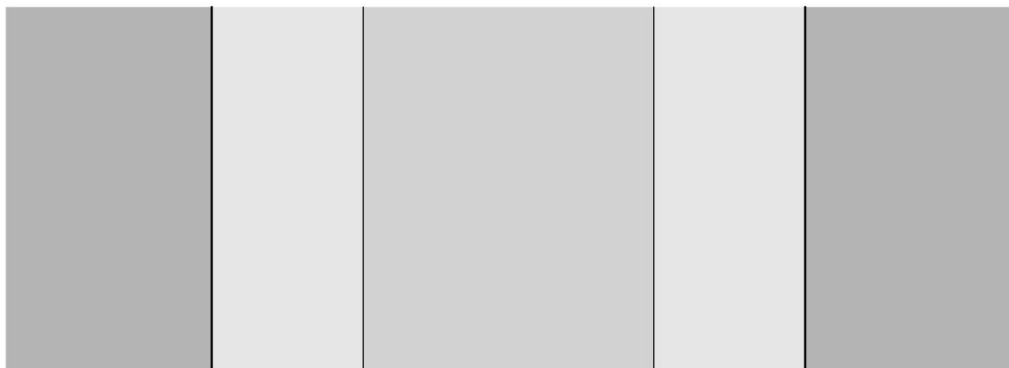
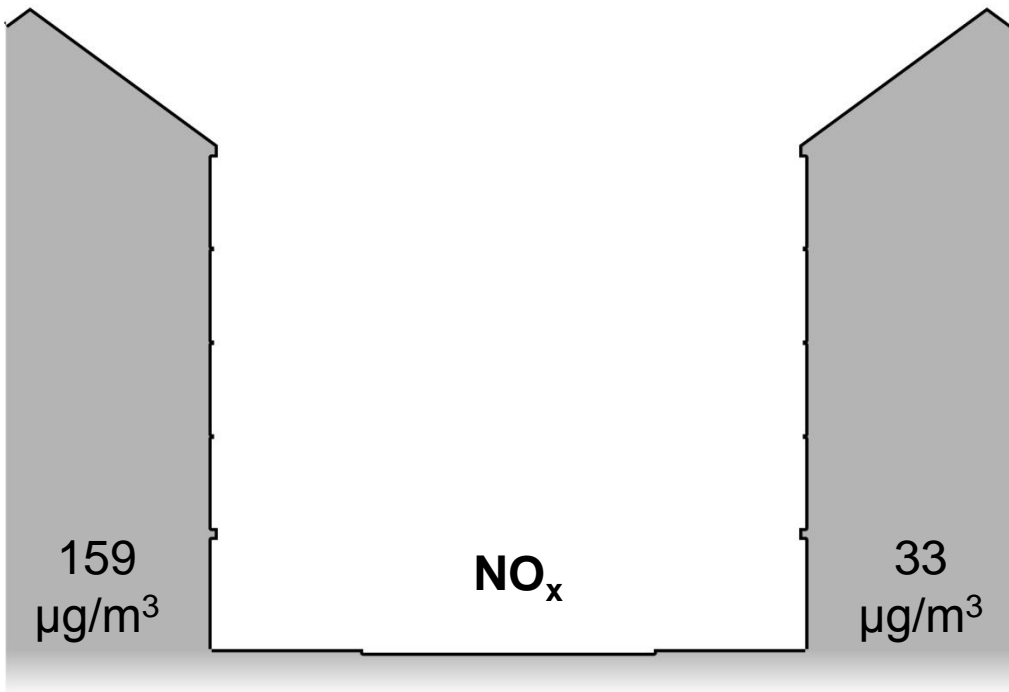


wind →

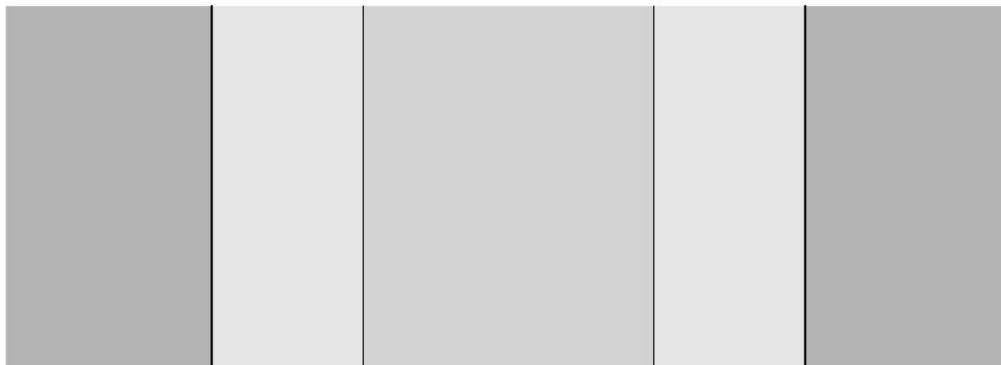
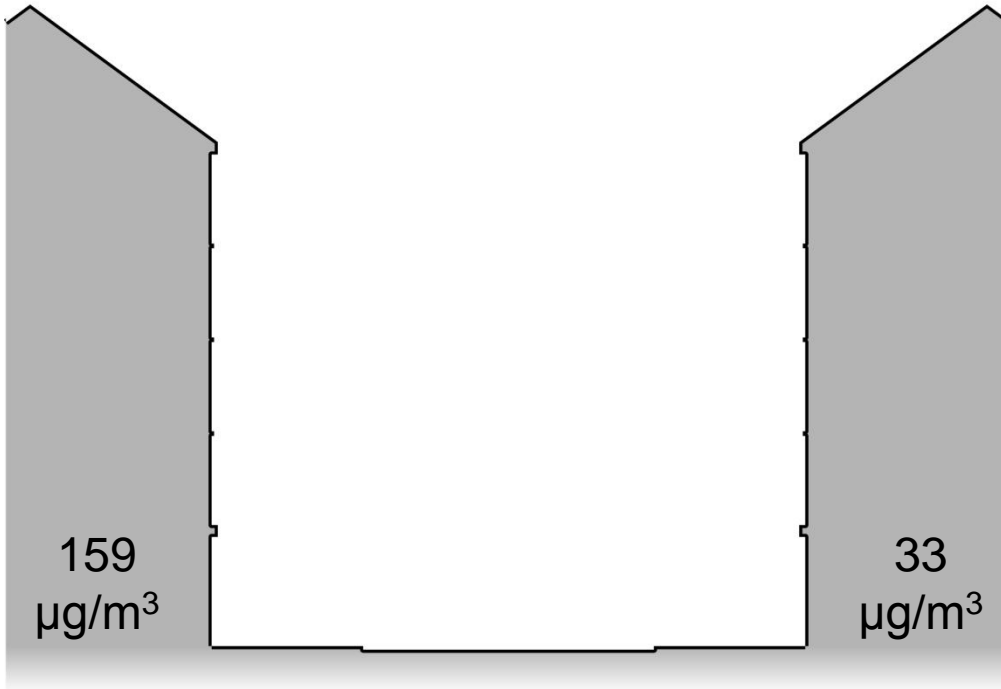




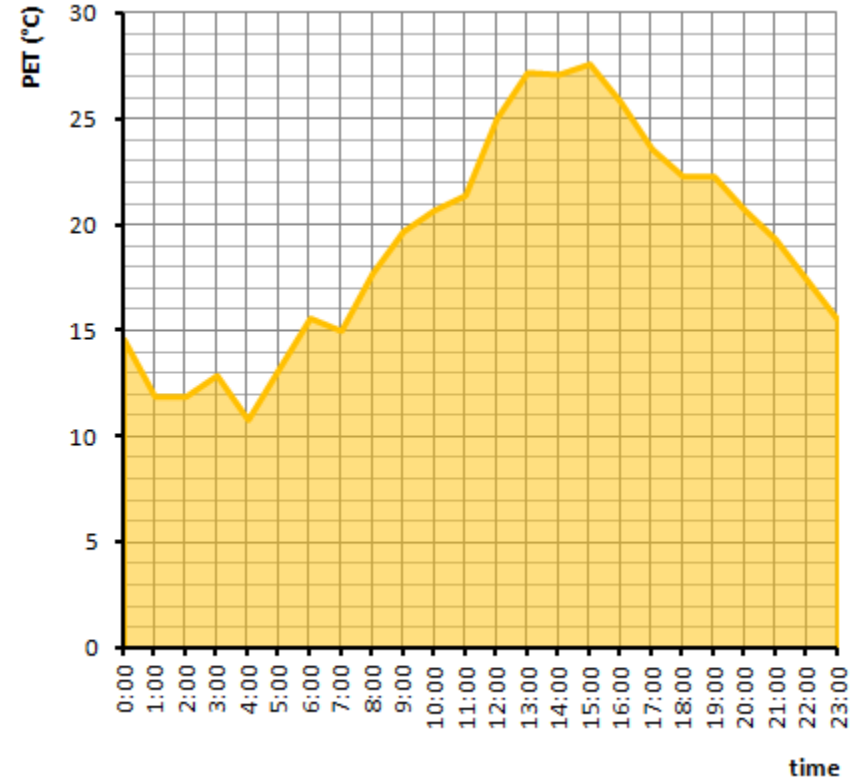
present state



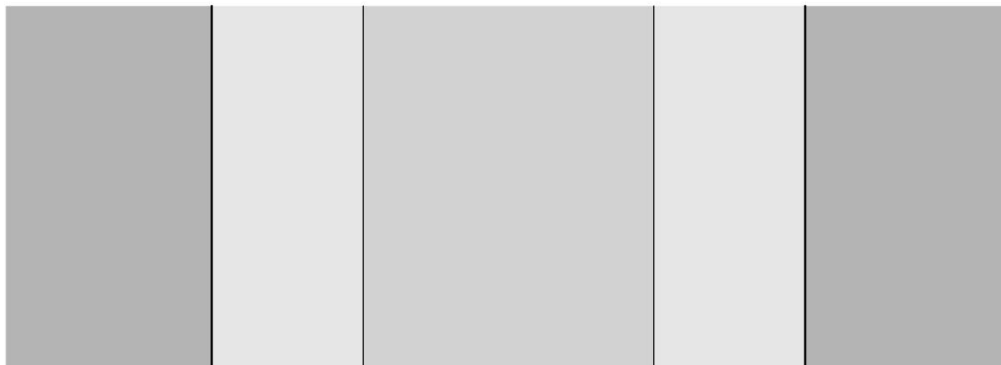
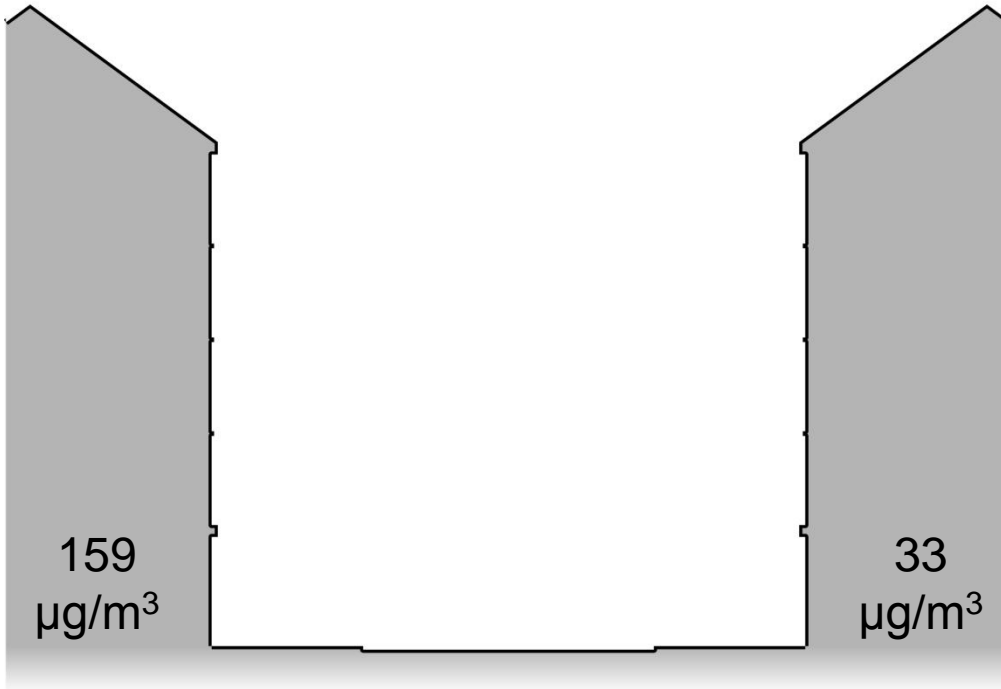
present state



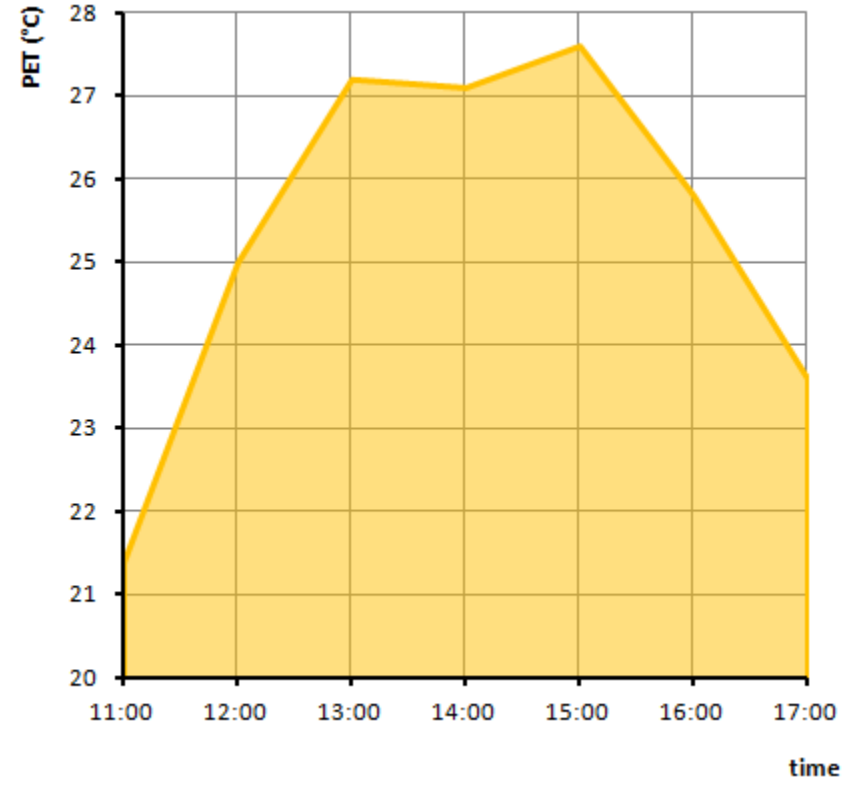
$T_{\text{max}} = 26^\circ\text{C}$



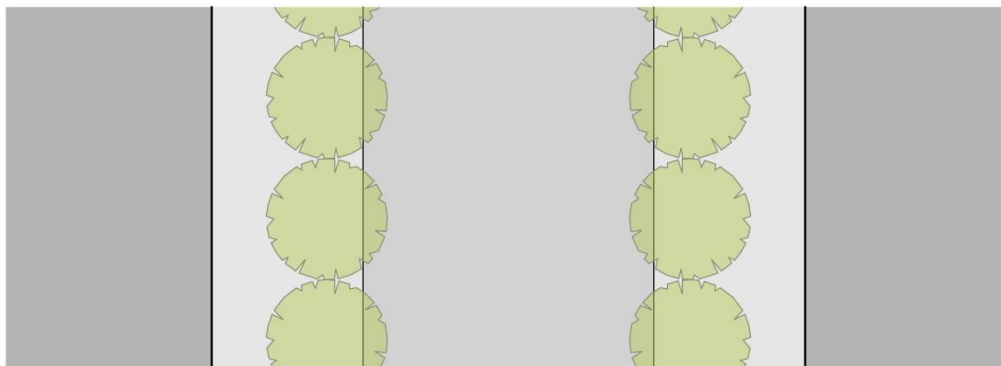
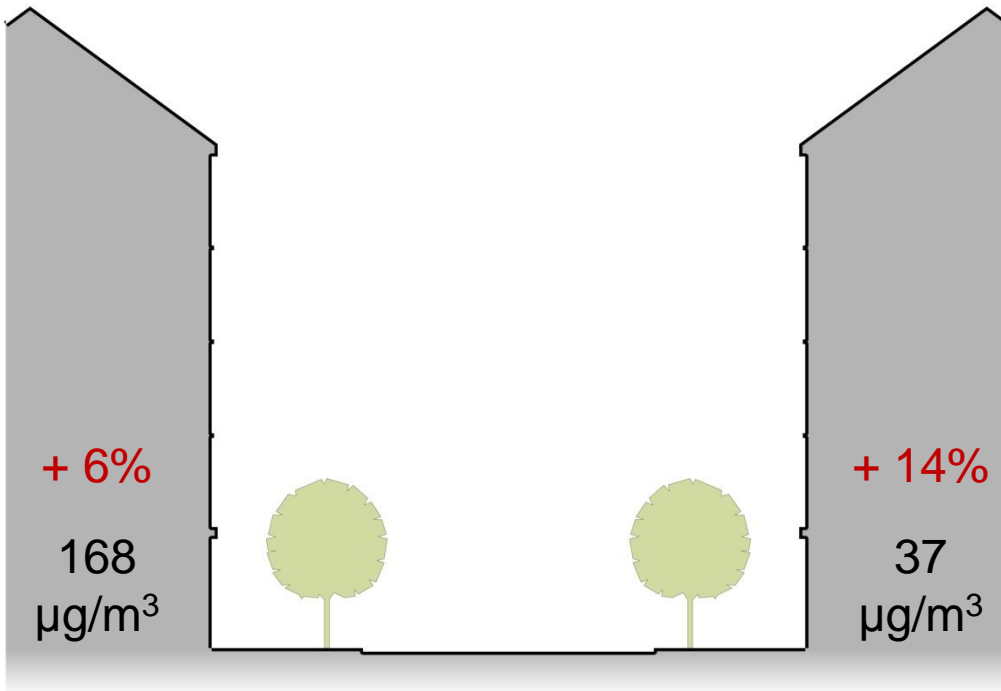
present state



$T_{\text{max}} = 26^\circ\text{C}$

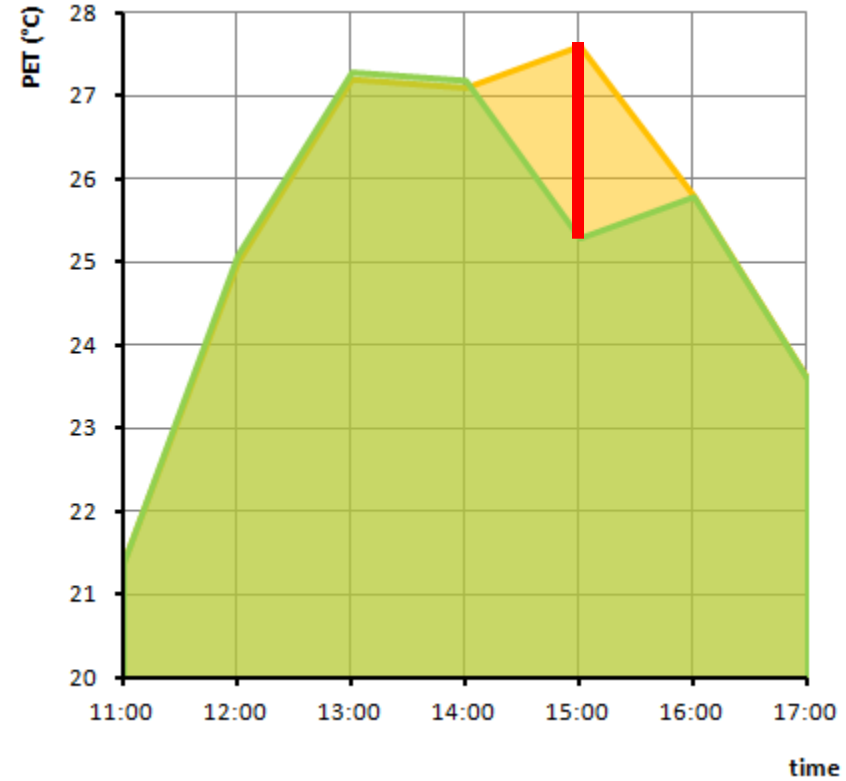


var 1 – small trees

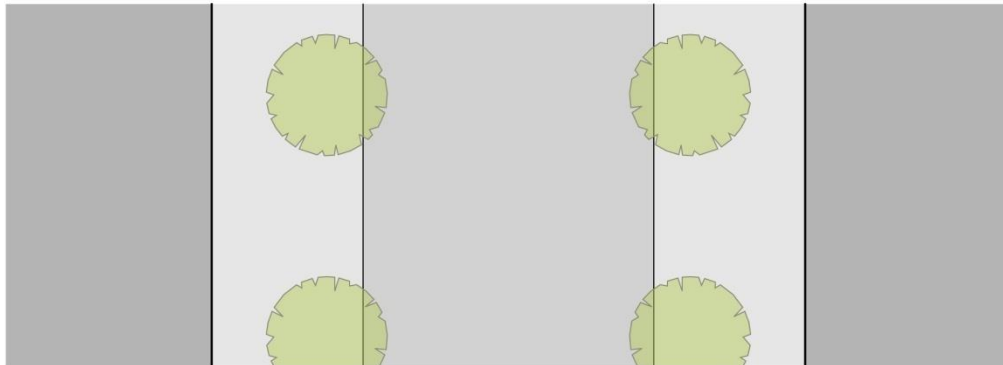
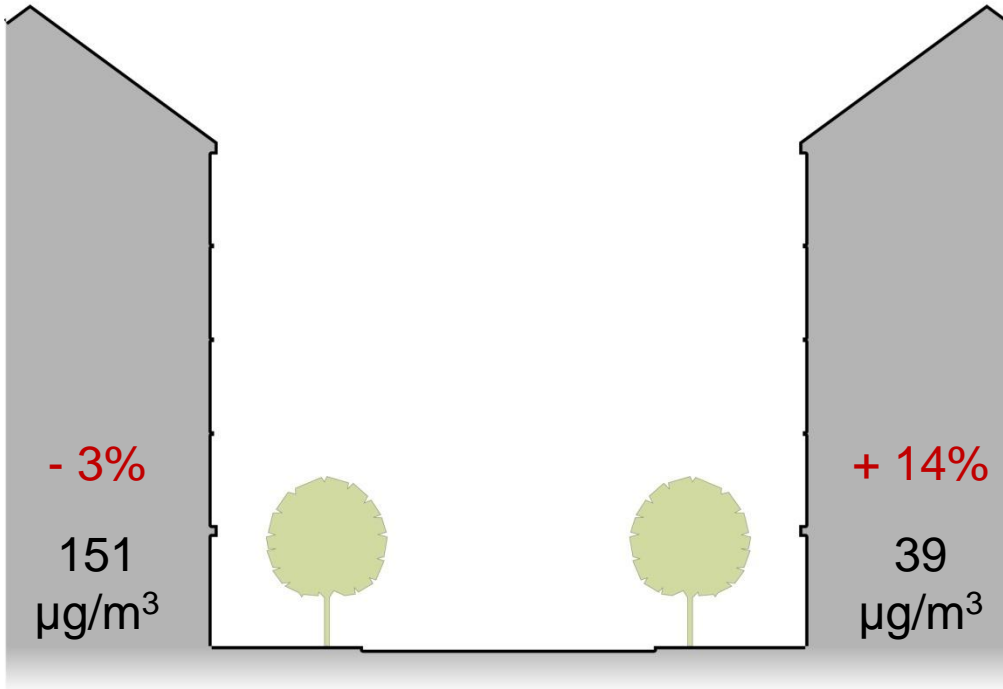


$T_{\text{max}} = 26^\circ\text{C}$

$\Delta \text{PET} = 2,3^\circ\text{C}$

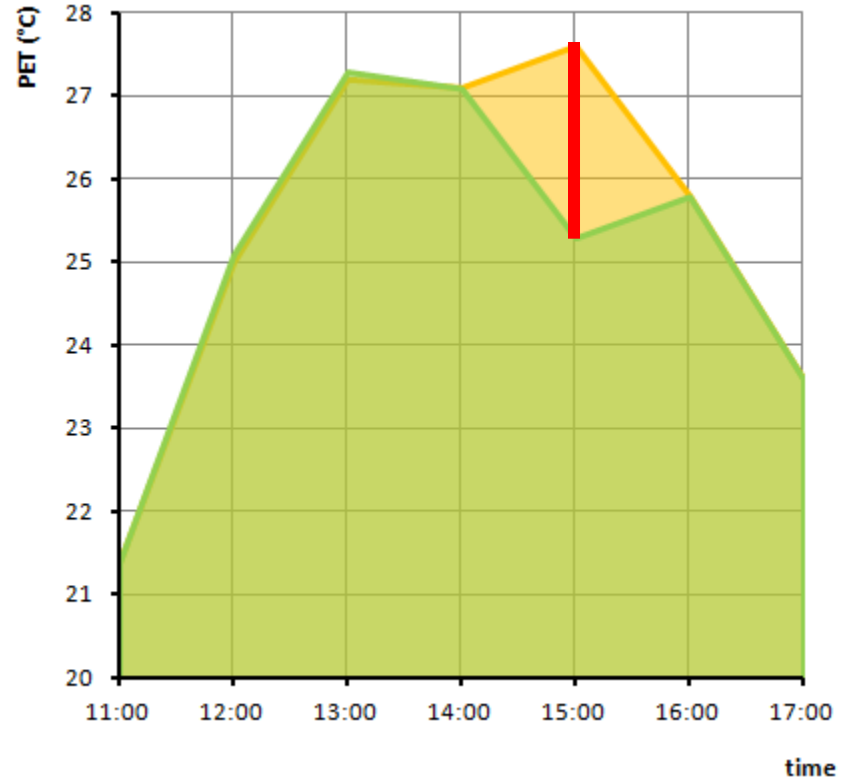


var 2 – small trees, sparsely

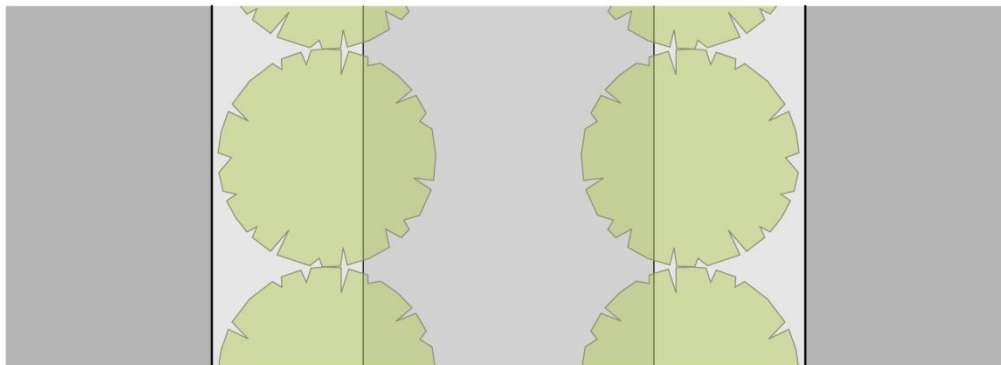
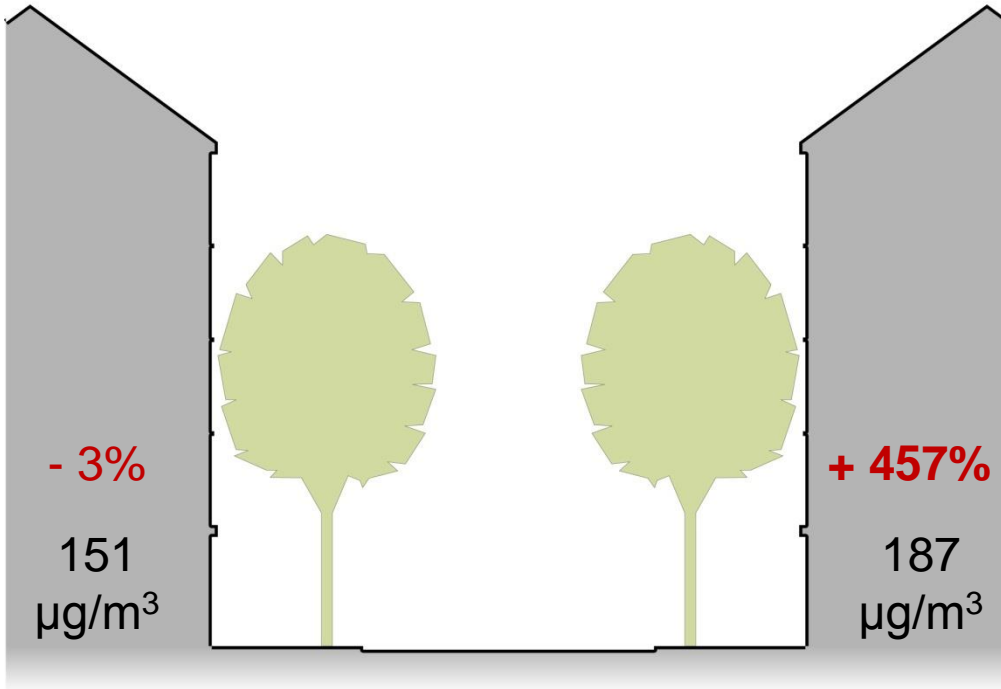


$T_{\text{max}} = 26^\circ\text{C}$

$\Delta \text{PET} = 2,3^\circ\text{C}$

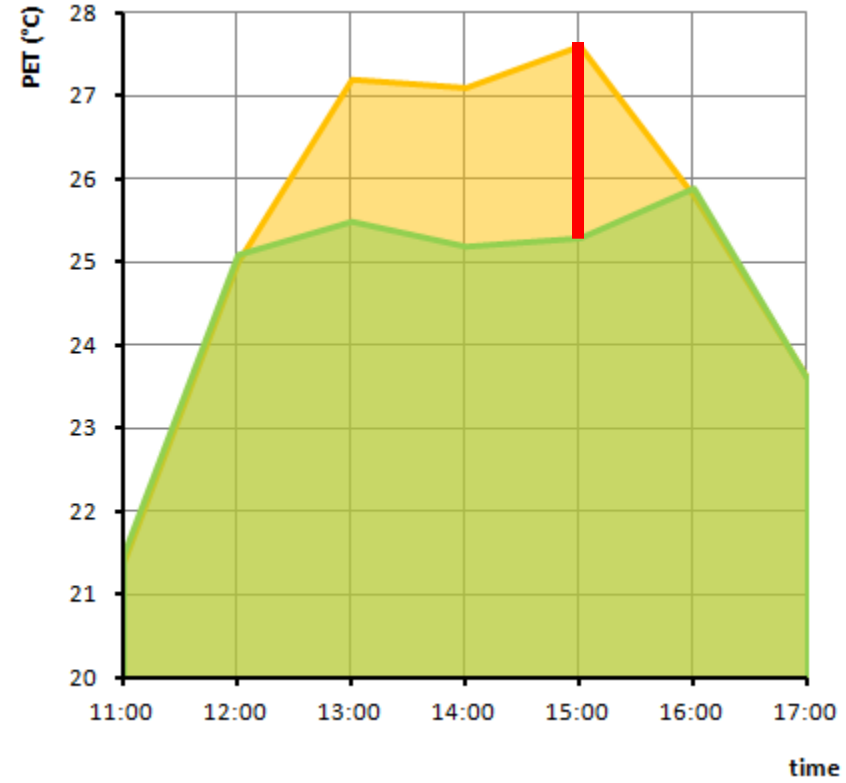


var 3 – large trees

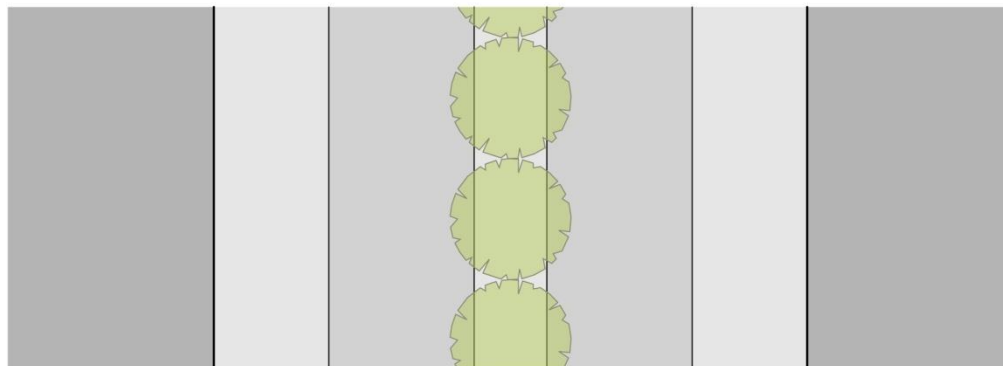
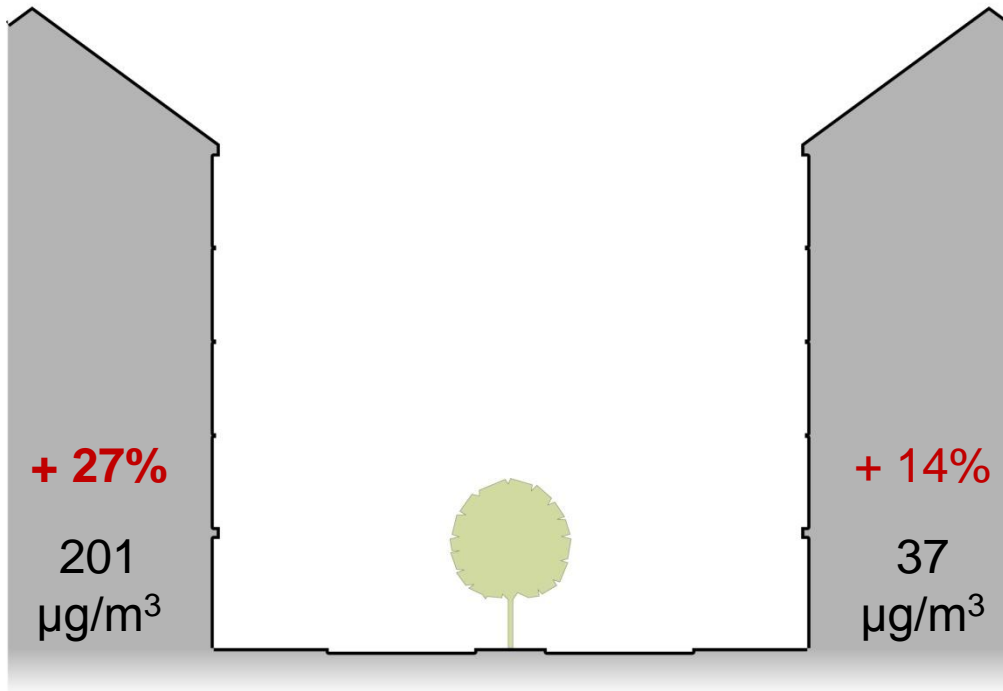


$T_{\text{max}} = 26^\circ\text{C}$

$\Delta \text{PET} = 2,3^\circ\text{C}$

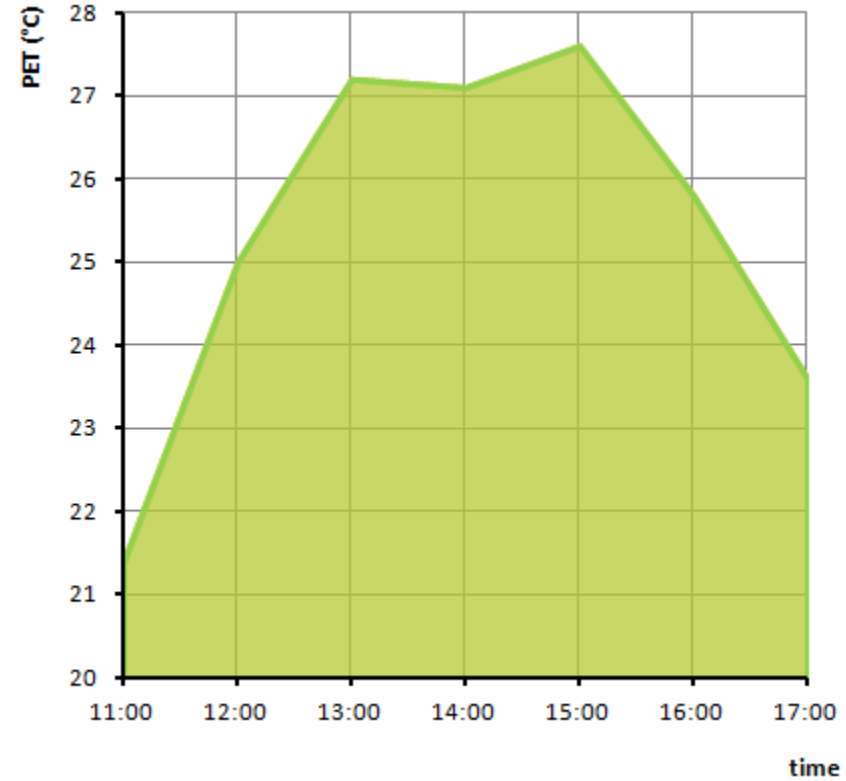


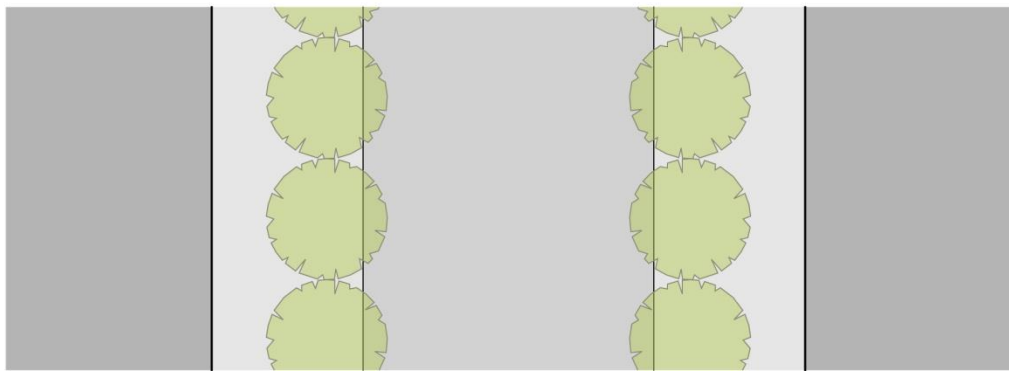
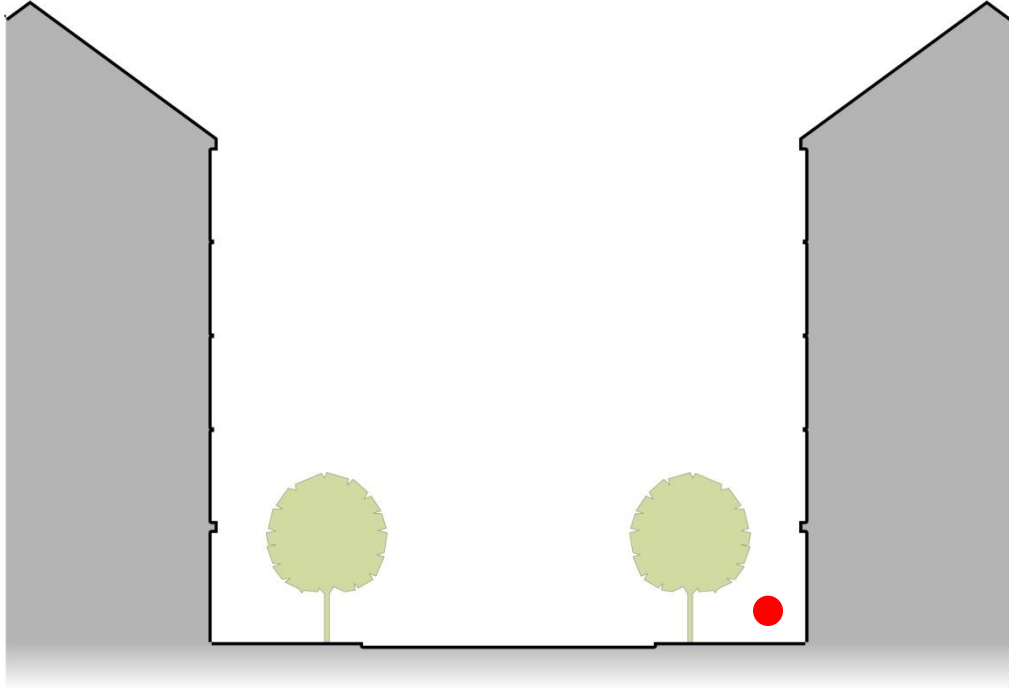
var 4 – small trees, axial position



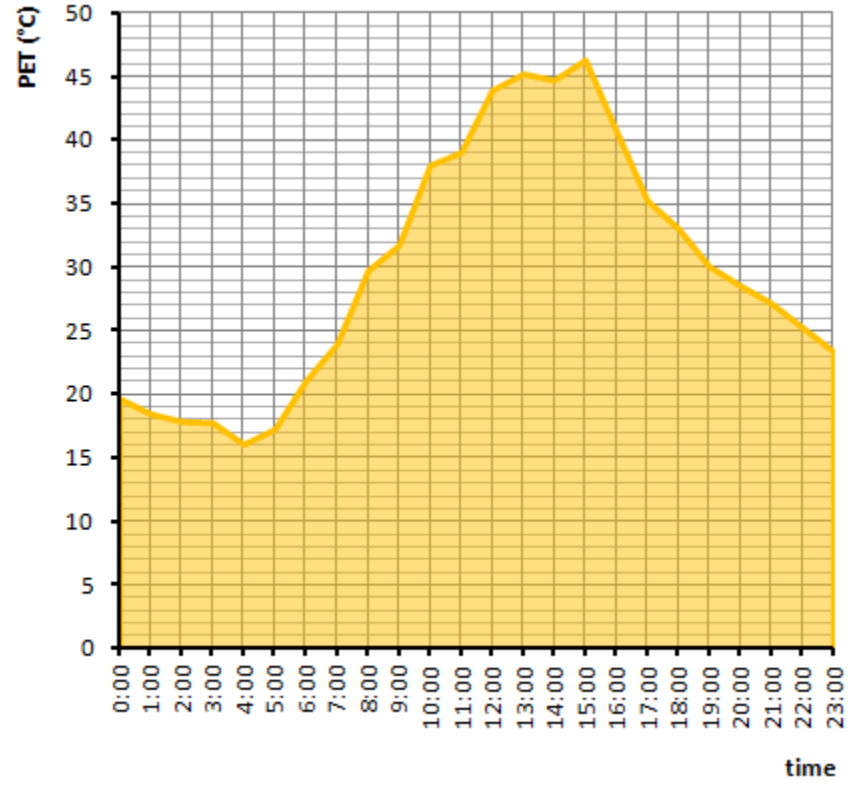
$T_{\text{max}} = 26^\circ\text{C}$

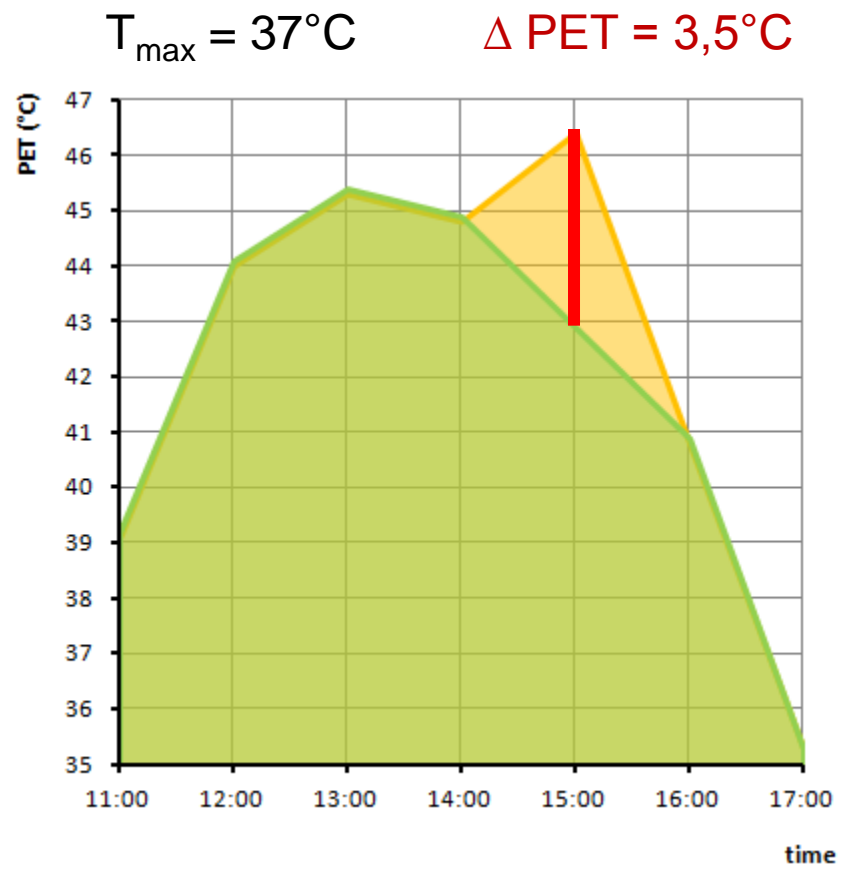
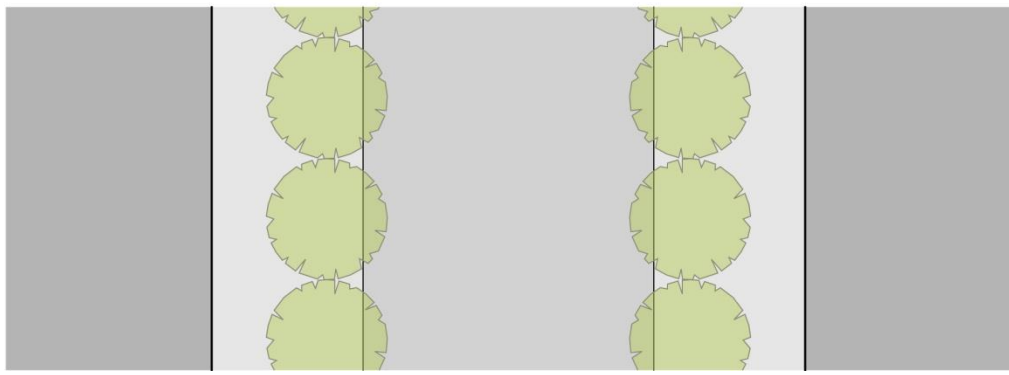
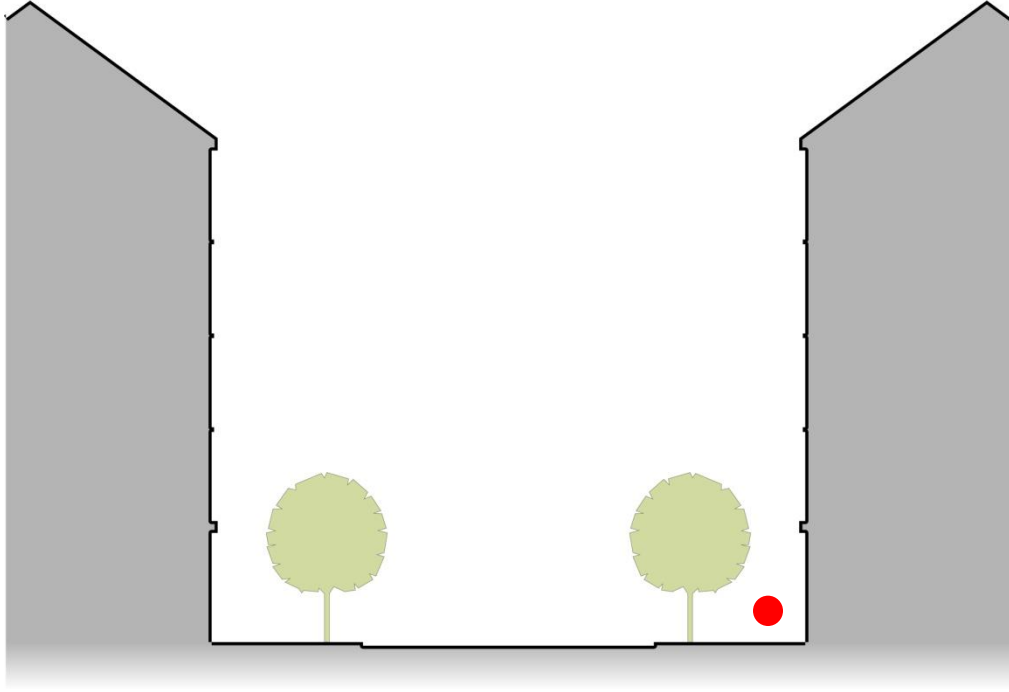
$\Delta \text{PET} = 0^\circ\text{C}$

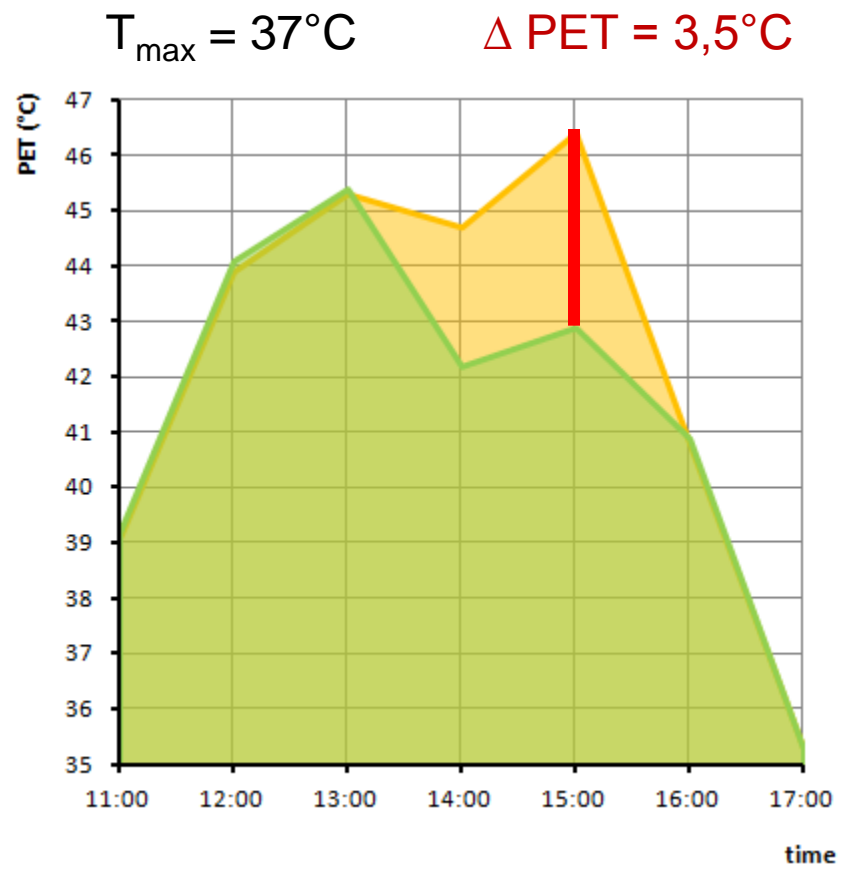
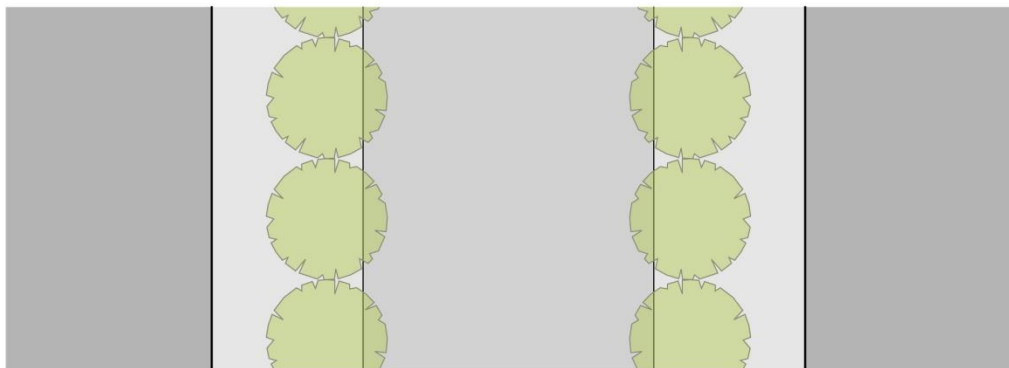
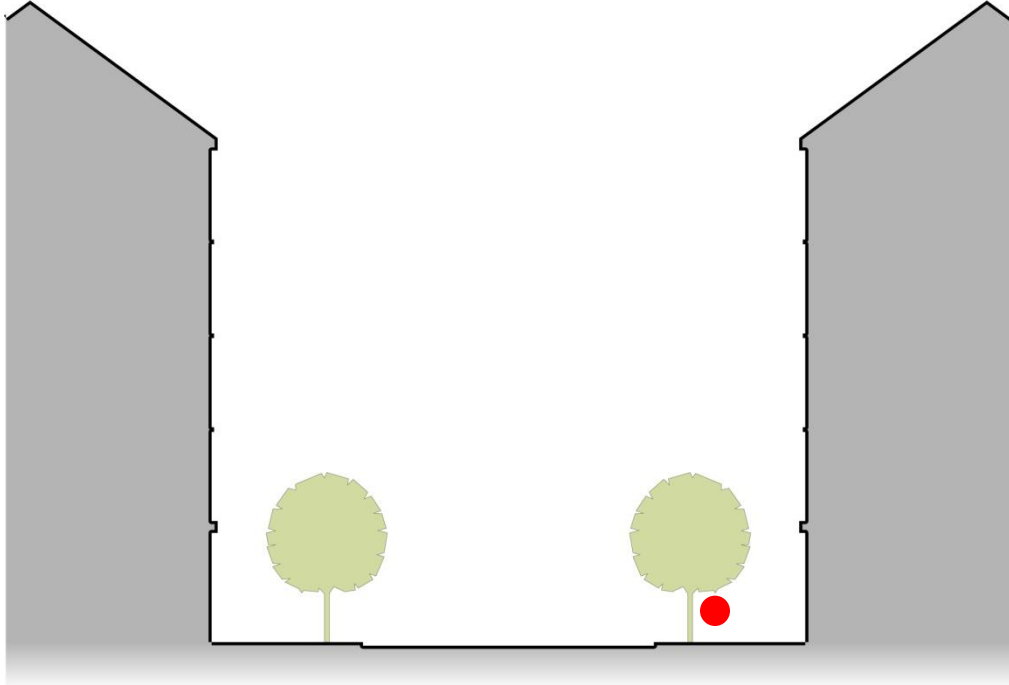




$T_{\max} = 37^{\circ}\text{C}$









Thank you for your attention