

PRIN2022-PNRR CRiStAll project

Bari (Italy) - Case study A - Climatic zone C

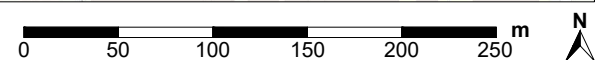
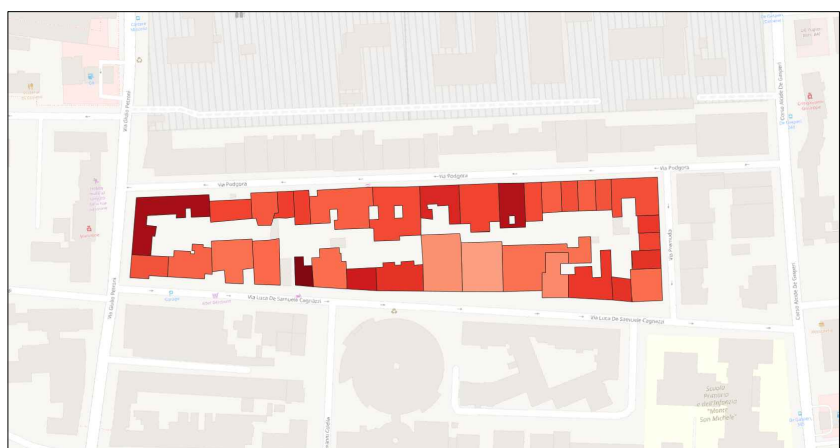
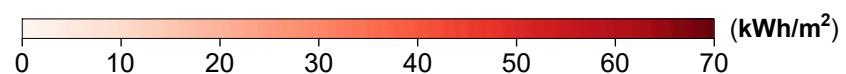
Thermal energy need under different climate scenarios

Current scenario

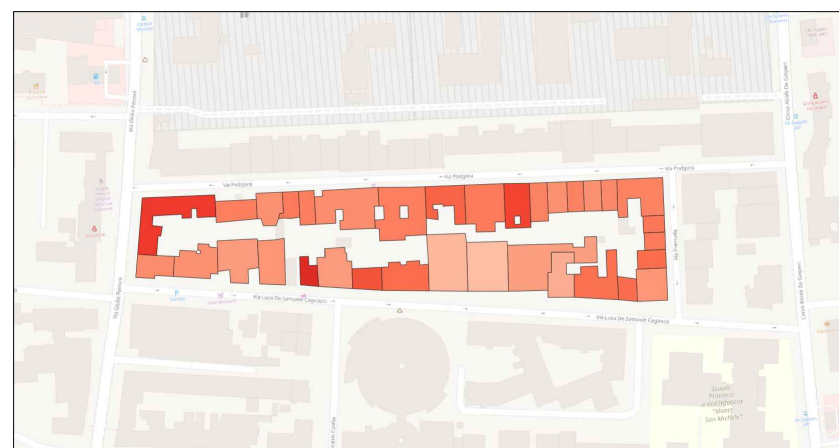
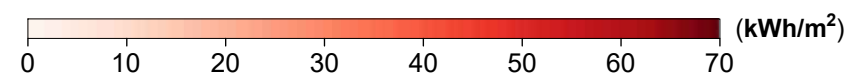
Mid-term scenario

Long-term scenario

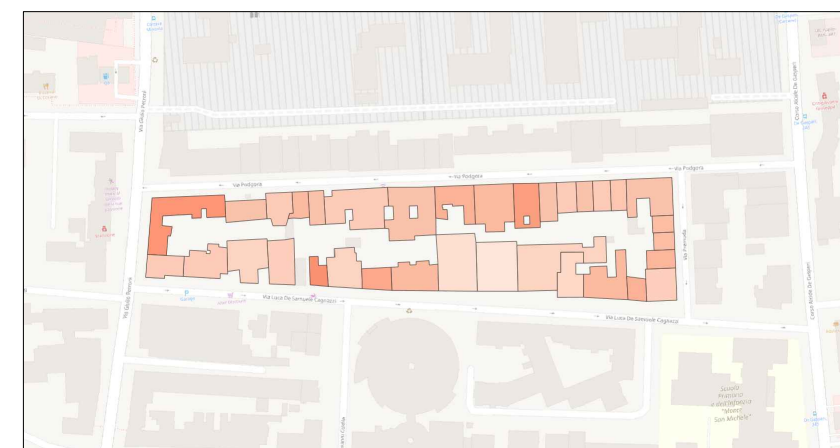
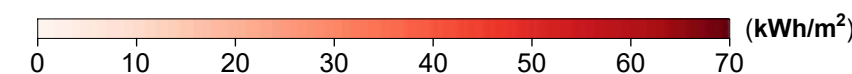
Energy need for space heating, $EP_{H,nd}$



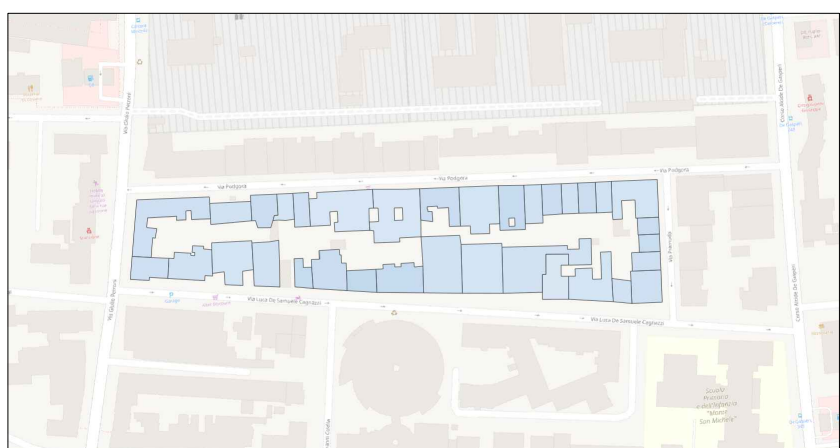
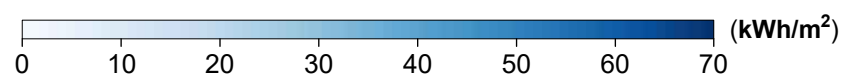
Energy need for space heating, $EP_{H,nd}$



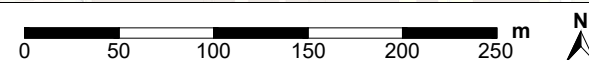
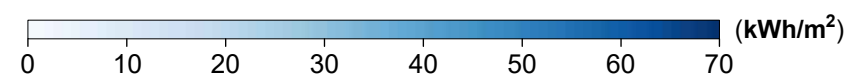
Energy need for space heating, $EP_{H,nd}$



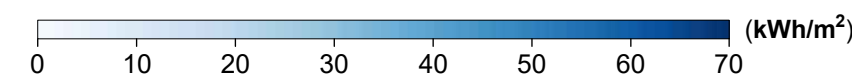
Energy need for space cooling, $EP_{C,nd}$



Energy need for space cooling, $EP_{C,nd}$



Energy need for space cooling, $EP_{C,nd}$



PRIN2022-PNRR CRiStAll project

Bari (Italy) - Case study A - Climatic zone C

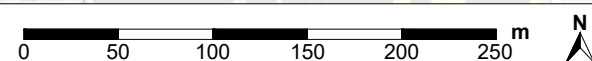
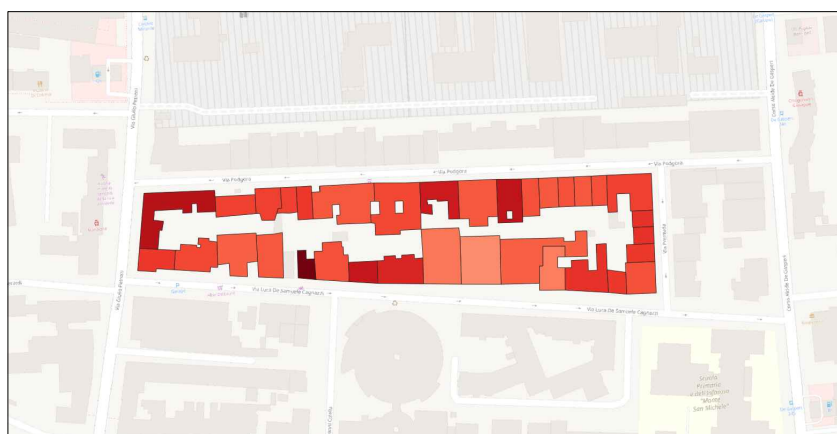
Peak load under different climate scenarios

Current scenario

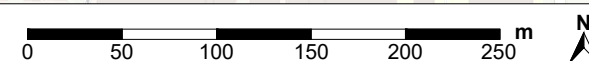
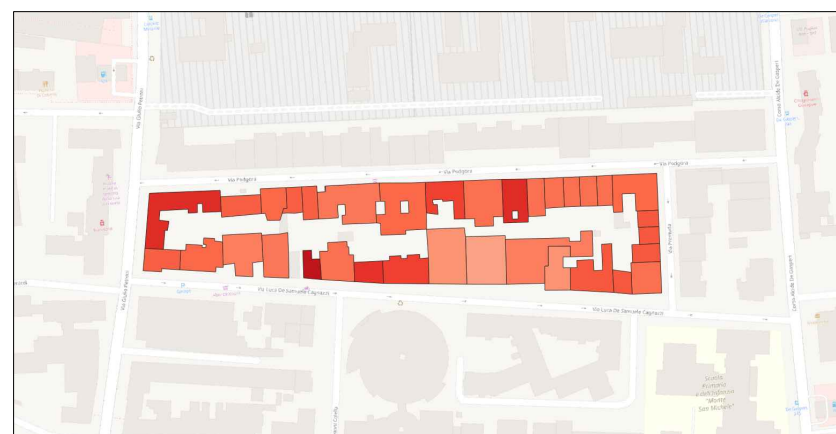
Mid-term scenario

Long-term scenario

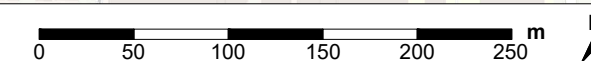
Peak heating load, $\Phi_{H,ld}$



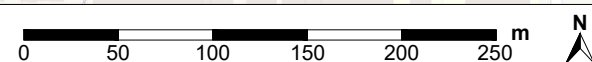
Peak heating load, $\Phi_{H,ld}$



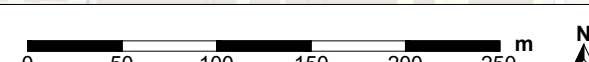
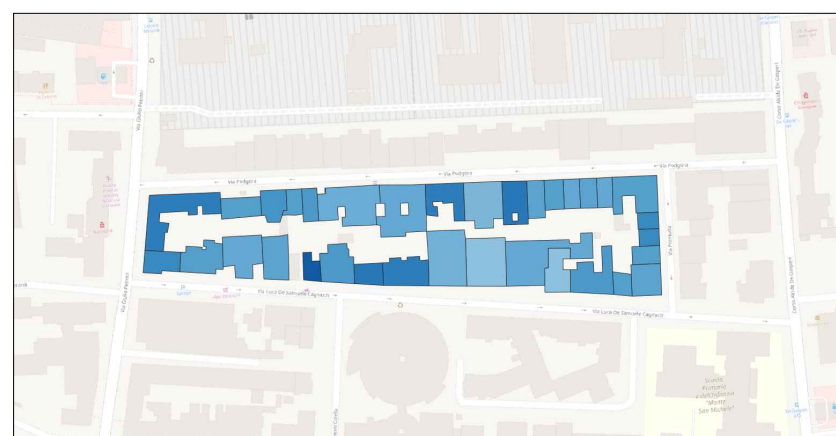
Peak heating load, $\Phi_{H,ld}$



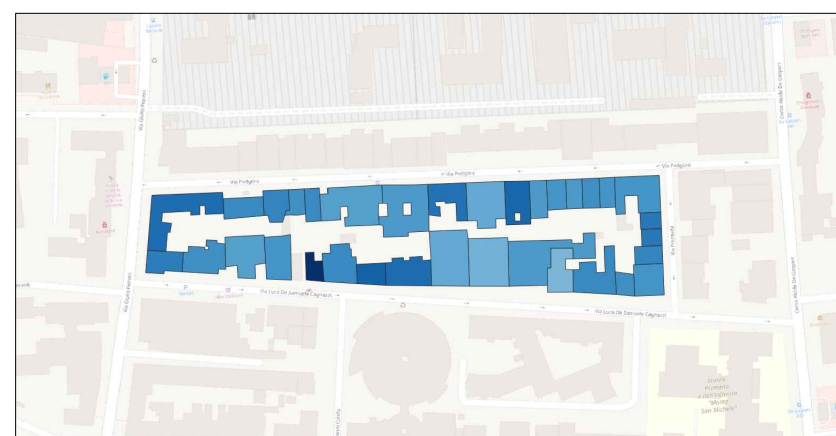
Peak cooling load, $\Phi_{C,ld}$



Peak cooling load, $\Phi_{C,ld}$



Peak cooling load, $\Phi_{C,ld}$



PRIN2022-PNRR CRiStAll project

Bari (Italy) - Case study B - Climatic zone C

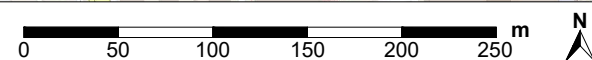
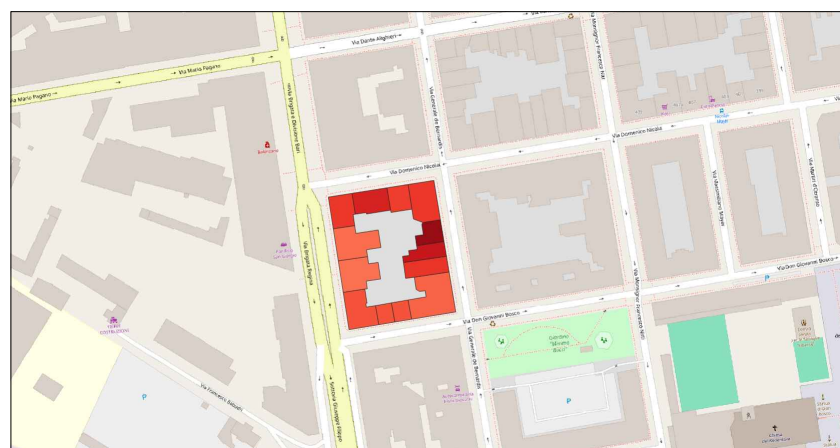
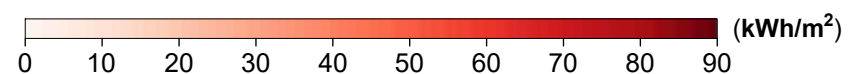
Thermal energy need under different climate scenarios

Current scenario

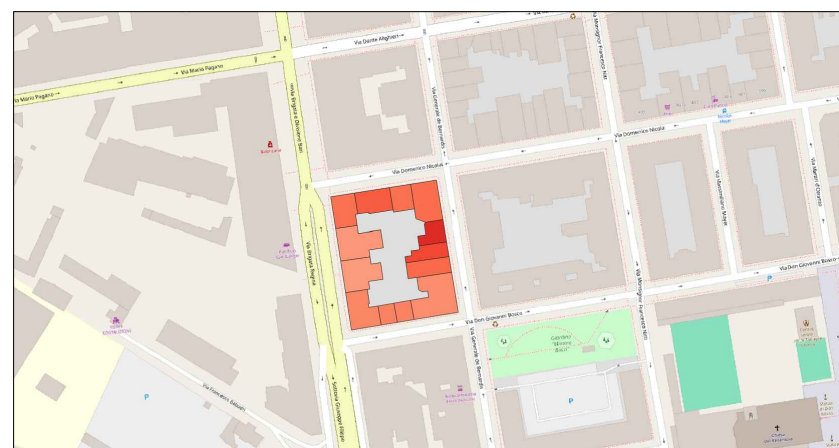
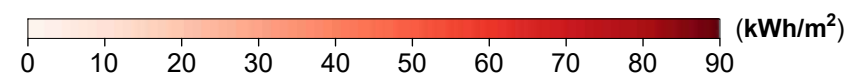
Mid-term scenario

Long-term scenario

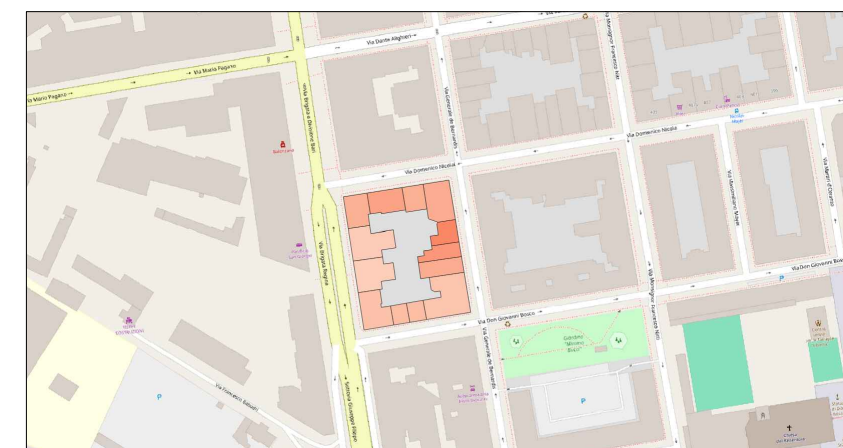
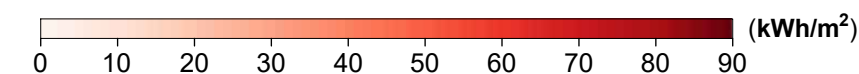
Energy need for space heating, $EP_{H,nd}$



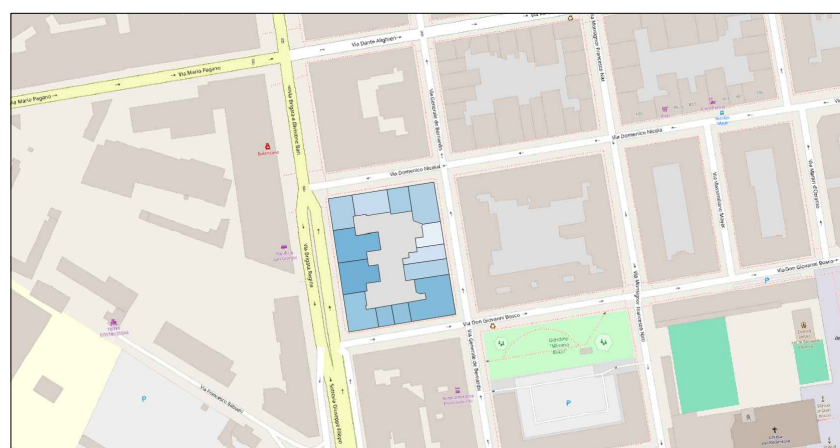
Energy need for space heating, $EP_{H,nd}$



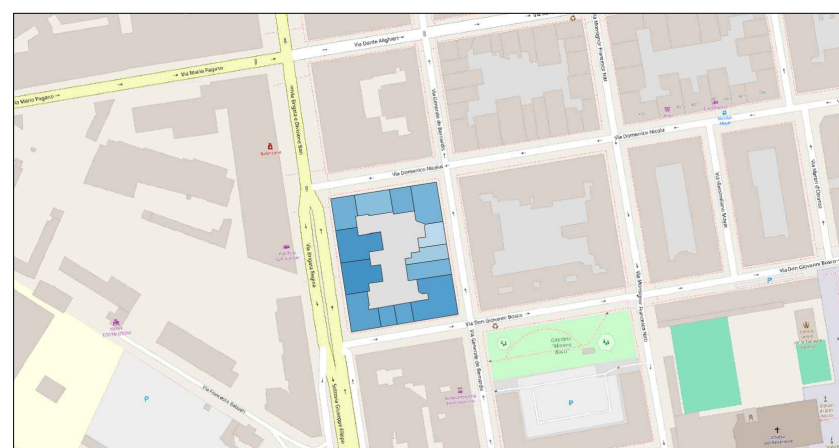
Energy need for space heating, $EP_{H,nd}$



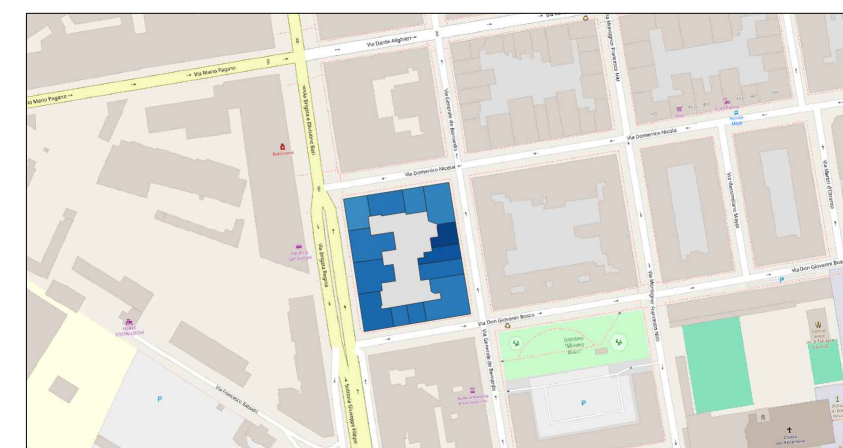
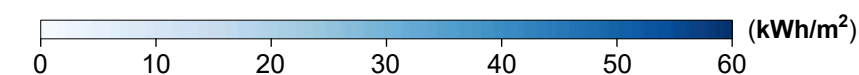
Energy need for space cooling, $EP_{C,nd}$



Energy need for space cooling, $EP_{C,nd}$



Energy need for space cooling, $EP_{C,nd}$



PRIN2022-PNRR CRiStAll project

Bari (Italy) - Case study B - Climatic zone C

Peak load under different climate scenarios

Current scenario

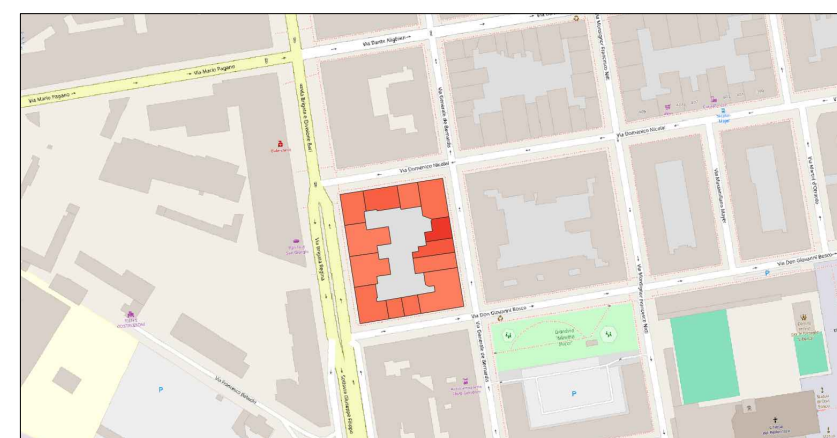
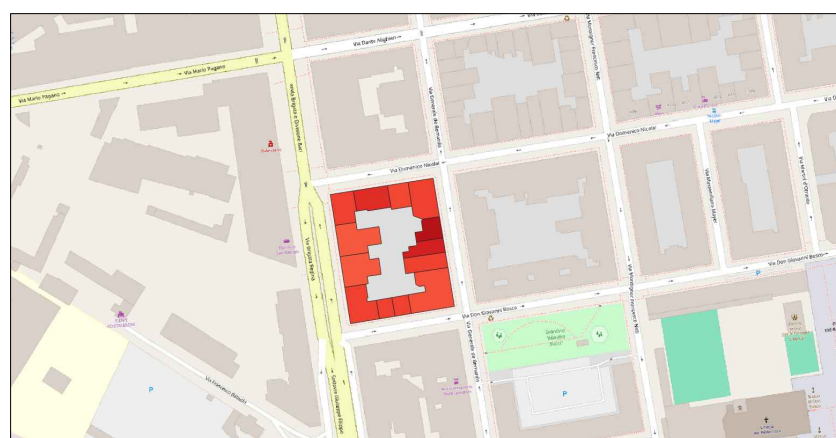
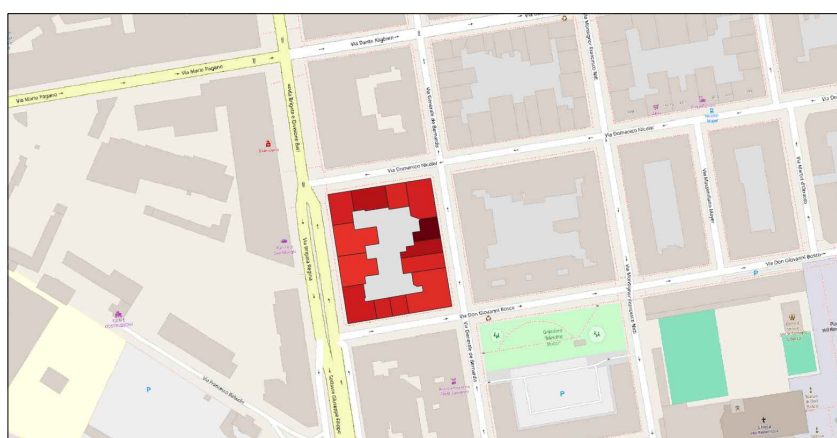
Mid-term scenario

Long-term scenario

Peak heating load, $\Phi_{H,ld}$

Peak heating load, $\Phi_{H,ld}$

Peak heating load, $\Phi_{H,ld}$



Peak cooling load, $\Phi_{C,ld}$

Peak cooling load, $\Phi_{C,ld}$

Peak cooling load, $\Phi_{C,ld}$

