

[i-BAM FF4 EuroHPC: Improving BettAir Maps](#)

Description

The distribution of pollutants at urban level is not completely understood due to its spatial inhomogeneity. Bettair currently maps pollutant concentrations using a model that is mainly suitable for open areas, but this model can be further improved at the cost of using more computational power. The goal of this project is to develop and incorporate a new module into Bettair's map generation service that takes into account the behaviour of the dispersion in complex urban geometries with an affordable cost. We will reduce its computational complexity and development time by using the power of High-Performance Computing and Artificial Intelligence.

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