



The POLL-EXPO project (Public policies, urban Organization and Logistics as Levers for EXPOsure)

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The POLL-EXPO project proposes to evaluate air quality and inequalities of exposure in the Great Paris area, by simulating the impacts of different urban scenarios. These scenarios aim to simulate various public policy measures (regional planning schemes and climate policies in particular), but also the forms of urban organization (density and mix of the fabric, transport of people and goods) and the modification of behaviors (mobility and energy consumption practices). These scenarios will be implemented on a dedicated innovative urban modeling platform. Modeling activities will link urban structure and transport demand, fret, energy consumption and resulting pollutant emissions as well as air quality on a small scale. The analysis will focus on both the environmental impacts and the social and environmental inequalities that the scenarios generate or promote. The work will be applied to the Ile-de-France region, with focus points on the Val-de-Marne district as a local scale experimental area with the support of the Val-de-Marne Council. A comparison and analysis of a possible transposability of the results will be carried out by the joint realization of modeling work on the city of Barcelona.