

# Convergence to equilibrium in Wasserstein distance

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This is a recent work in collaboration with I. Gentil and A. Guillin on the long time behaviour of solutions to Fokker-Planck drift-diffusion equations. The comparison between the Wasserstein distance (linked with optimal transport) of a solution to the stationary solution, and its dissipation along the evolution, gives rise to a functional inequality that we will discuss.