## RAOUL NORMAND, University of Toronto

A model of migration under constraint

We will present a random model of population with migrations, where individuals live on islands and migrate to another one whenever they run out of resources. Our main goal is to study how the population spreads over the different islands, when the number of initial individuals and available resources tend to infinity. Finding this limit relies on asymptotics for critical random walks and (not so classical) functionals of the Brownian excursion.