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 One Health Modelling Network for Emerging Infections | Réseau une seule santé sur la modélisation des infections

OMNI-RÉUNIS Super-Spreader Seminar Series

This seminar series is intended to provide OMNI-RÉUNIS HQPs a platform to present their research, promote their ideas, share their research experiences, and establish connections among the various branches of the network.

**This seminar will be hosted via Zoom
 on Thursday, March 9, 2023, from 11:00-12:00 EST.**

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SEMINAR 8

INTRODUCING SAMPY, A NEW PYTHON LIBRARY FOR AGENT-BASED MODELING IN EPIDEMIOLOGY OF ZOO NOTIC DISEASES



PRESENTER- FRANCOIS VIARD

Dr. Francois Viard is a Research associate at Faculté de médecine vétérinaire - Université de Montréal. He holds a PhD in Mathematics and has several years of experience as a Developer and a Data-Scientist. His research focus on the interface between mathematic, informatic and epidemiology, with a strong interest for agent-based modelling applied to the study of zoonotic diseases.

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ABSTRACT

INTRODUCING SAMPY, A NEW PYTHON LIBRARY FOR AGENT-BASED MODELING IN EPIDEMIOLOGY OF ZOOLOGIC DISEASES

Agent based models (ABM) are becoming more and more common in epidemiology. However, they often come with performance problems when the population grow larger, and not everyone has access to the ressources needed to adress those. In this talk I will present SamPy, the python library I worked on for the past 3 years, which allow users to construct large scale ABMs that can run on desktop computers.

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