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## *Multi-agent simulation approach in crisis management*

**Thursday, Avril 8th, 2021 – 9:40 am**

40 mn

Webinar Zoom

[Registration](#)

### **Présentation**

In this presentation we will first explain the basic approach of agent-based modelling and simulation. Our goal is to show the power of agent-based models by showing how they can answer some of the many questions concerning crisis response and management. Using various agent-based simulators that we have developed in the areas of flooding, bushfires, Covid-19, and earthquakes, we will show how we can answer questions such as:

- How to help stakeholders explore the options in managing risk in marine flooding?
- How to raise public awareness to floods?
- How individual and collective measures affect the spread of Covid-19.
- How does communication between stakeholders affect evacuation?
- How does social attachment affect evacuation?
- How does urban design, and specifically the availability of open spaces, affect evacuation?

### **More about...**

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