PathSimulators

Since a PathSimulator is the "main" function for a simulation, you have more freedom here than in most other cases.

However, we recommend a few points:

- Your simulator should take its output file as a storage argument.
- The run() function should run the simulation. Typically, this will take an integer argument such as n_steps.
- Any output should be written to self.output_stream. This
 defaults to sys.stdout, but can be changed by the user.
- Use the self.save_frequency object to control how often you sync data to the file storage.