```
koscianski@koscianski-Nitro-AN515-57:/opt/nomad$ inxi -S
System:
  Host: koscianski-Nitro-AN515-57 Kernel: 5.15.0-151-generic x86_64 bits: 64
    Desktop: Cinnamon 5.6.8 Distro: Linux Mint 21.1 Vera
koscianski@koscianski-Nitro-AN515-57:/opt/nomad$ gcc --version
gcc (Ubuntu 11.4.0-1ubuntu1~22.04) 11.4.0
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This is free software; see the source for copying conditions.  There is NO
warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

koscianski@koscianski-Nitro-AN515-57:/opt/nomad$ pwd
/opt/nomad
koscianski@koscianski-Nitro-AN515-57:/opt/nomad$ ls -l
total 13636
-rwxrwxrwx 1 root root 6981576 Sep 14  2024 libnomadAlgos.so.4.3
-rwxrwxrwx 1 root root 1902504 Sep 14  2024 libnomadEval.so.4.3
-rwxrwxrwx 1 root root 3914672 Sep 14  2024 libnomadUtils.so.4.3
-rwxrwxrwx 1 root root 1062760 Sep 14  2024 libsgtelib.so.2.0
-rwxrwxrwx 1 root root   93576 Sep 14  2024 nomad
koscianski@koscianski-Nitro-AN515-57:/opt/nomad$
```

Optimizer available at https://www.gerad.ca/en/software/nomad/

Add /opt/nomad to Linux $PATH

Experiment "Stirred tank"

The bash script should run everything.

Experiment "Lotka Volterra"

The bash script should run everything.

Experiment "ABM model"

The bash script explains the procedure.
For the optimization, two terminal windows should be opened simultaneously.

The software has a set of command line options, not really meant for easiness of use (sorry): consider it the kind of artifact used in lab, *with no polished interface*. At times, code was modified to log information, save/store something, so there's some duct tape and wd-40 here and there.

Compile simply with "gcc sw.cpp -o sim" : no fancy cmake, no black magic.

Generating the plot of the contamination tree is tricky, requiring dot, editing, and patience; this process is not included in this package.