EXERCICE 4. RUMOR MILL

Arthur Brugière, UMMISCO, IRD
Tri Nguyen-Huu, UMMISCO, IRD
Alexis Drogoul, UMMISCO, IRD
Patrick Taillandier, UMMISCO, INRAE
Nguyen Ngoc Doanh, UMMISCO, VinUni

EXERCICE 4. RUMOR MILL

- **Aim:**

The aim of this model is to simulate the spread of a rumor among a population of agents.

- **Description:**

We consider a set of people agents organized on a grid (each cell is a people agent) – the environment is a torus:

```
global torus: true {…}
```

Initially nb_init agents know a rumor.

At each step, people agents who are aware of the rumor will say it to one of their neighbors.

- **Inputs:**

As parameters of the simulation, we will add:

✓ The number of initial people having heard the rumor

✓ The dimension of the grid (number of rows and columns)

- **Outputs:**

Draw 2 displays

✓ 1 with agents aware of the rumor in red and agents that are not aware in white.

✓ 1 series charts following the number of people agents having heard the rumor