



In collaboration with:



Capacity Building and Raising Awareness in Europe and in Third Countries  
to Cope with *Xylella fastidiosa* – “CURE-XF”

## INTERNATIONAL SUMMER SCHOOL

# MODELLING THE SPREAD OF *XYLELLA FASTIDIOSA* FOR IMPROVING THE SURVEILLANCE PROGRAMS: PRE-SESSION INSTRUCTIONS

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*#CureXFSS2018*



In the session we will use the computer language R to run models...



...but you will not need to know any coding in R!!!

**Please bring your laptop to the session on 1st October.**

Before then, please follow these instructions to install R

1. Download and install R 3.5.1 from <https://cran.stat.unipd.it/> or any of the 'mirrors' linked at <https://cran.r-project.org/mirrors.html>
2. Install all the R packages (libraries of functions) we need to run the models. To do this open R and paste this directly into the console...

```
install.packages(c("shiny", "ggplot2", "reshape", "deSolve",  
"data.table", "shinyjs", "viridis"), dependencies=TRUE,  
repos='http://cran.us.r-project.org')
```

Finally, we will use some R scripts and data

Please download all the files we need from <https://github.com/NERC-CEH/CURE-XF-Xylella-modelling>:

1. Click the 'Clone or download' button
2. Select 'Download ZIP' – all the files should download to your Downloads folder
3. Unzip the files to a convenient folder on your computer (e.g. C:/Xylella\_model)

If you have any issues, please email me on [dcha@ceh.ac.uk](mailto:dcha@ceh.ac.uk)