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

DR DANIEL CHAPMAN, UKRI CENTRE FOR ECOLOGY & HYDROLOGY, UK

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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 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/ (https://cran.stat.unipd.it/bin/windows/base/R-3.5.1-win.exe if you use Windows).

2. While connected to the internet, 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')
```

We will use some pre-prepared R scripts and data in the session

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 problems, please email me on dcha@ceh.ac.uk