

Advanced Course | CIBIO/InBIO

Models in Invasion Ecology: Challenges and Applications

18th – 20th March 2019 – Vairão, V. Conde, Portugal

INSTALLATION INSTRUCTIONS FOR REMOTE SENSING SOFTWARE AND R PACKAGES

1. **Installing Orfeo Toolbox** (this software will be used for performing image segmentation)
 - Go to <https://www.orfeo-toolbox.org/download/>
 - Download the OTB installation file for your operating system (after download, confirm that you have a .zip file for Windows or a .run file for Mac OS or Linux-based systems).
 - Unpack or install the downloaded file in any location with read/write/execute permissions.
2. **Installing R and required packages**

If you have not installed R, go to CRAN for more instructions here: <https://cran.r-project.org/>

You also need to install RStudio. If you have not done that yet, go to the following page for downloads and more details: <https://www.rstudio.com/products/rstudio/download/#download>

Open RStudio. Open the following R script file in RStudio (attached to this e-mail message):

USE THIS TO INSTALL R PACKAGES InstallationScript-v1.R

Then select the code and click 'Run'.

3. Installing git version control system

- Download and install Git for your operating system from the following link:
<https://git-scm.com/downloads>
- After installing the software, to download the course online repository, open the command line, change the target directory (where the course folder will be placed) and then enter the following command line:

git clone https://github.com/cibio-ecochange/AdvancedCourse_ModsInvasionEco2019

(this will take a while to conclude depending on the internet connection speed...)

If you have any problem running these installation steps please contact me via e-mail:

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