SEAScope @ Dragon4 Ocean Training Course 2018

Installation guide & test procedure

The instructions contained in this document assume that you have already downloaded the training material from the **`ftp.itc.nl`** FTP server.

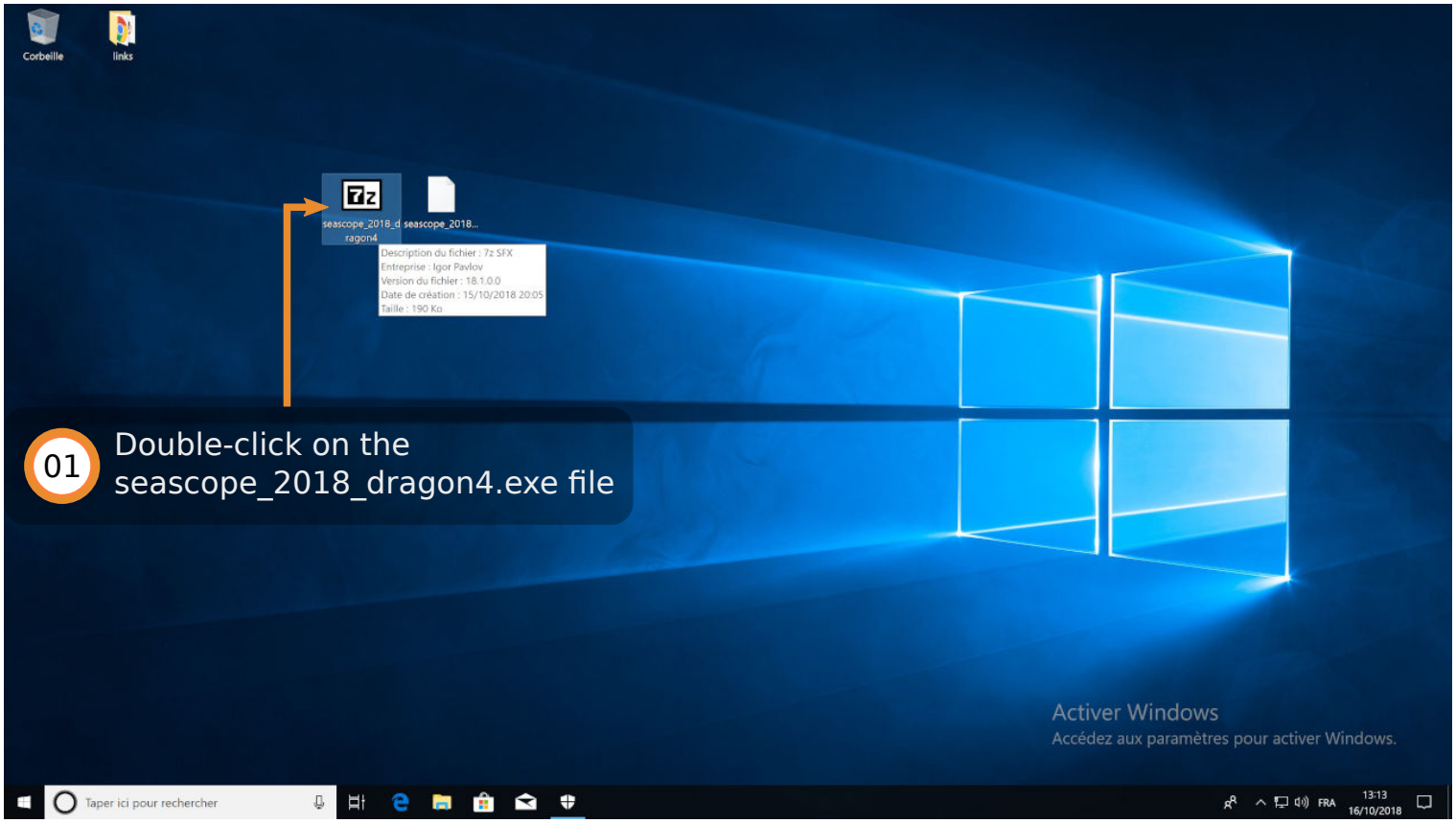
All the SEAScope hands-on training sessions will use the same data and software. A self-extracting archive containing all the required materials has been uploaded in the directory for practical session 1 of day 4:

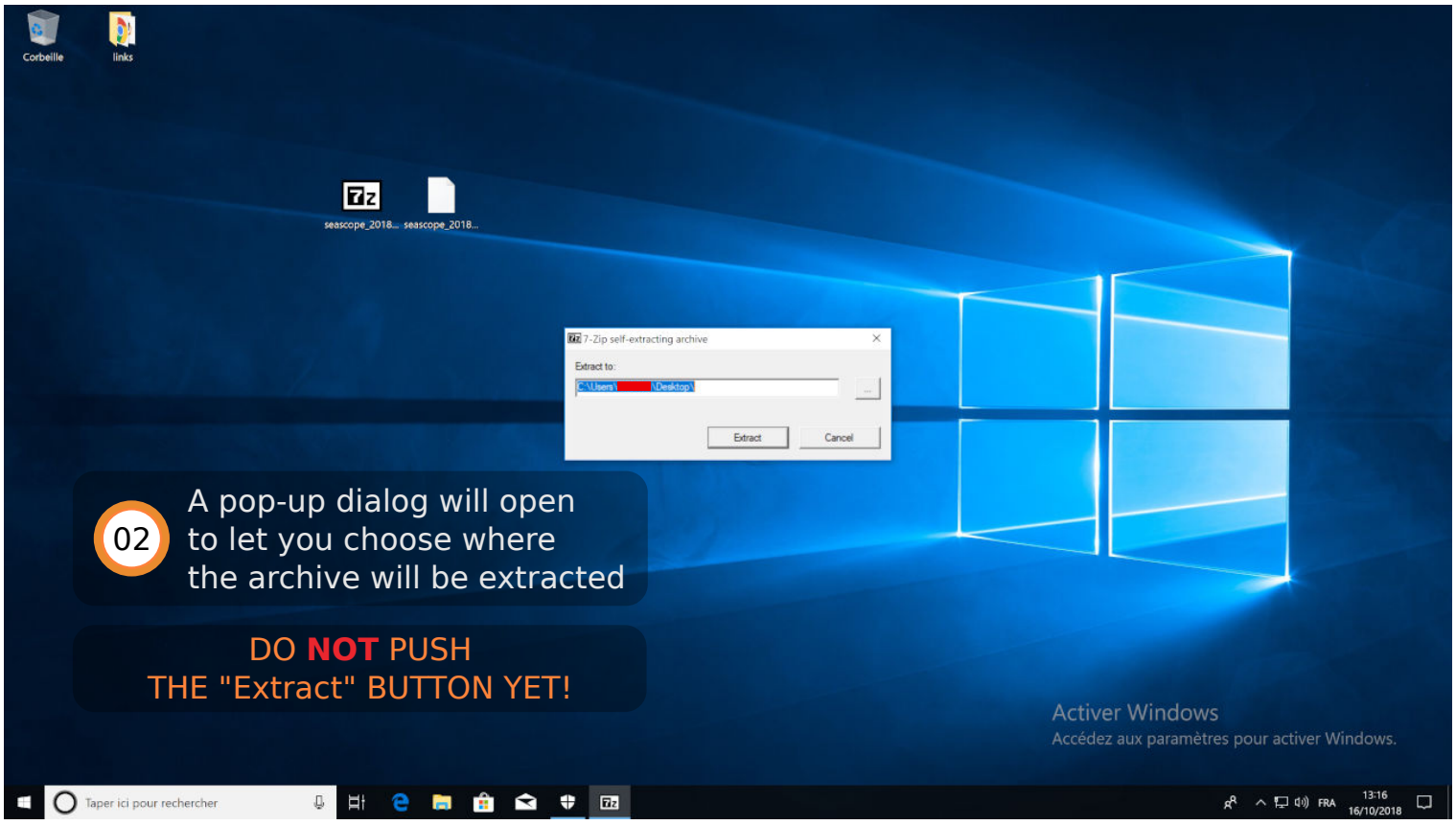
`/pub/Dragon4_Lecturer_2018/04 Thursday_15_Nov_2018/D4P1_Wave_Currents_FCollard`

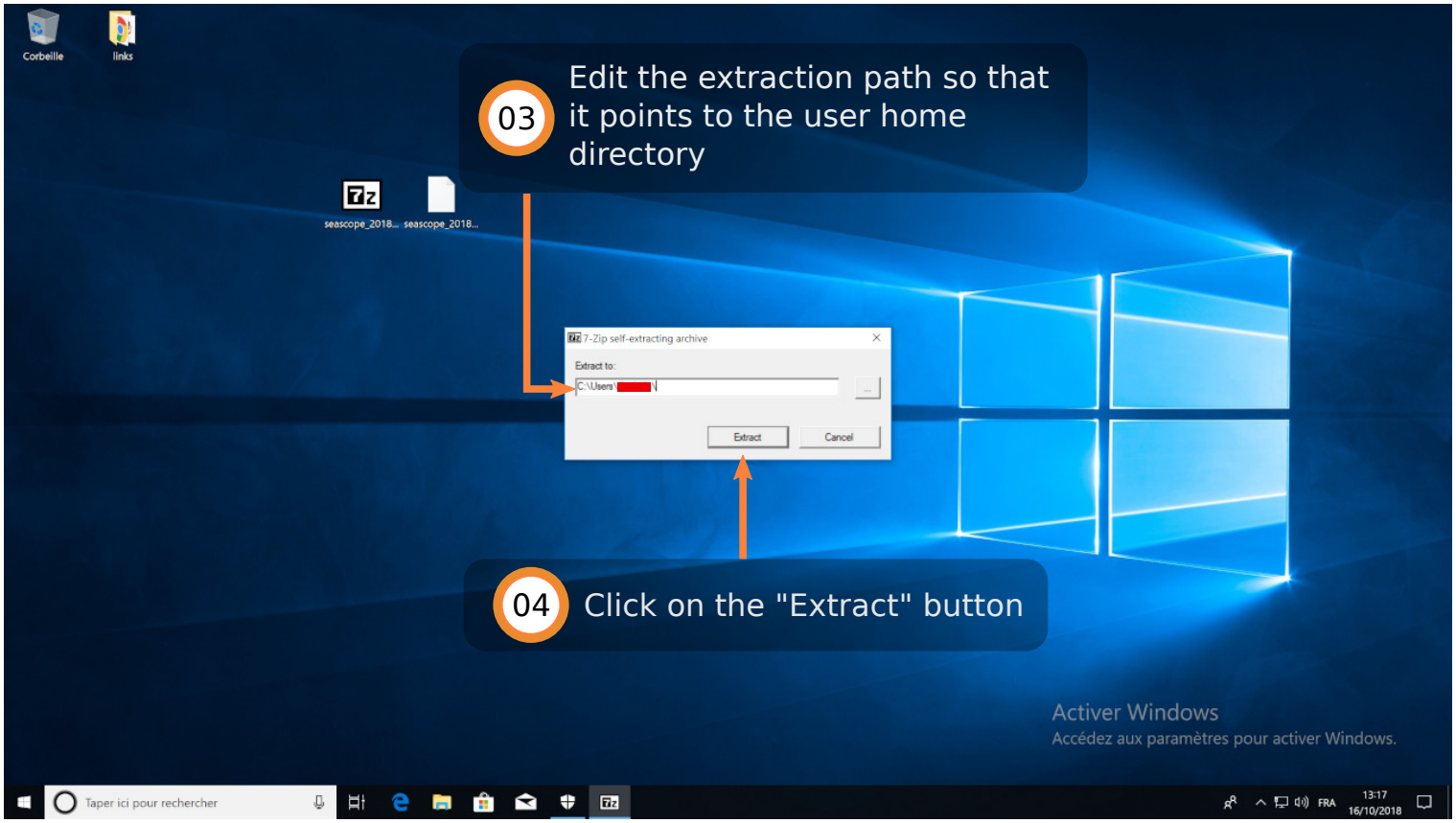
Inside this directory you should find the two files that compose the archive:

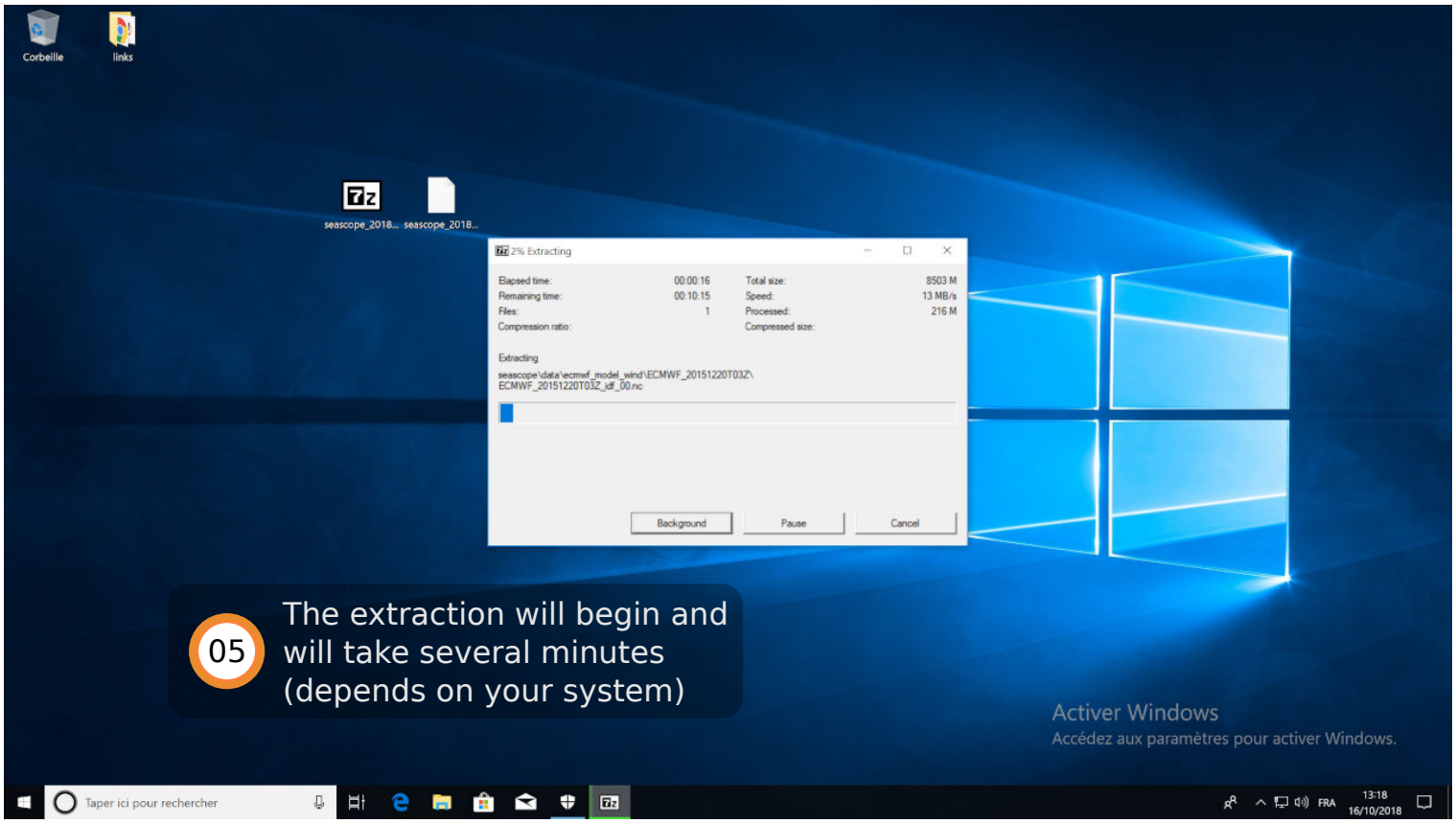
- **`seascope_2018_dragon4.7z.001`**
- **`seascope_2018_dragon4.exe`**

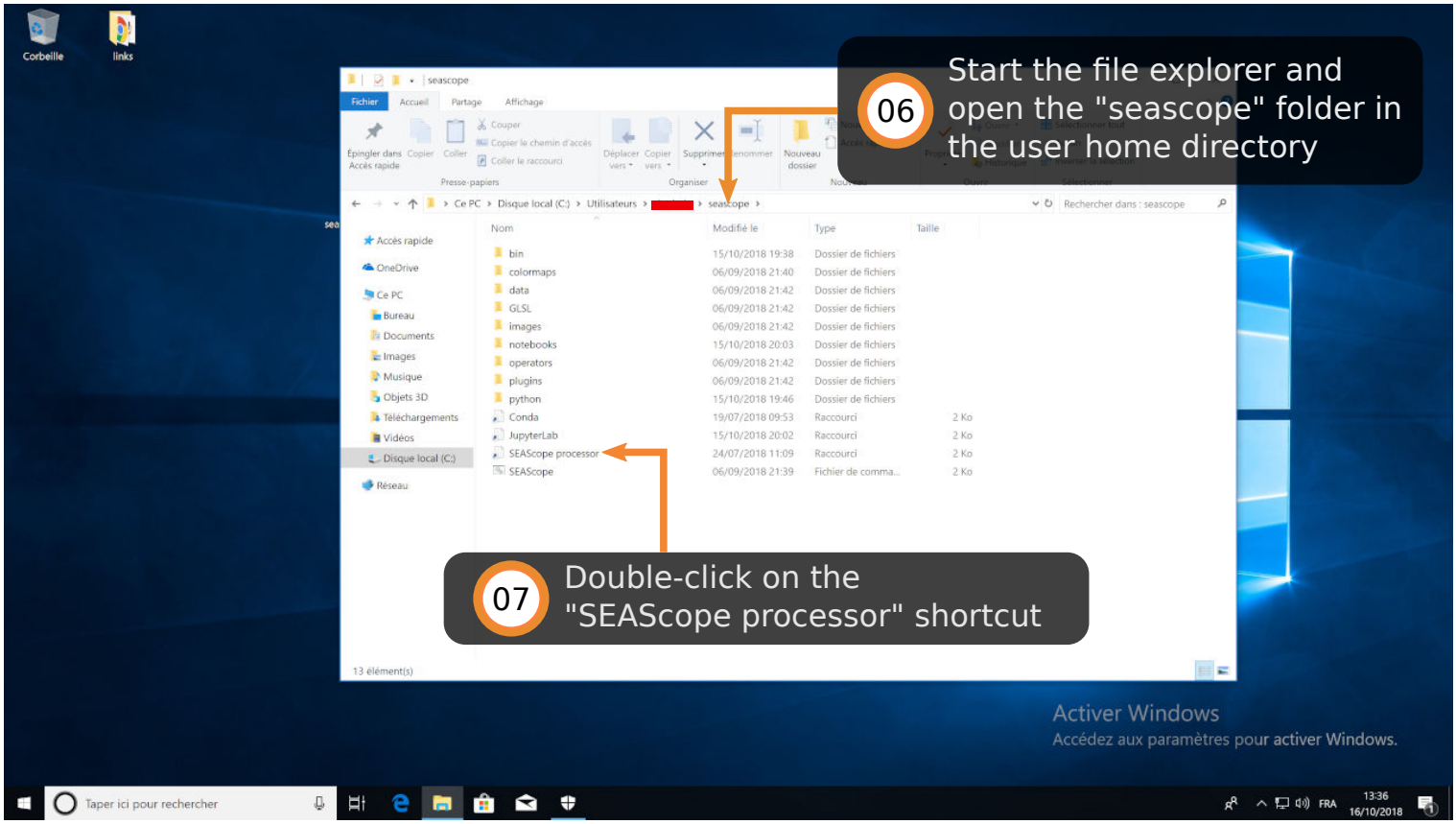
Download them, place them both on the Desktop and you should be ready to start the installation process.

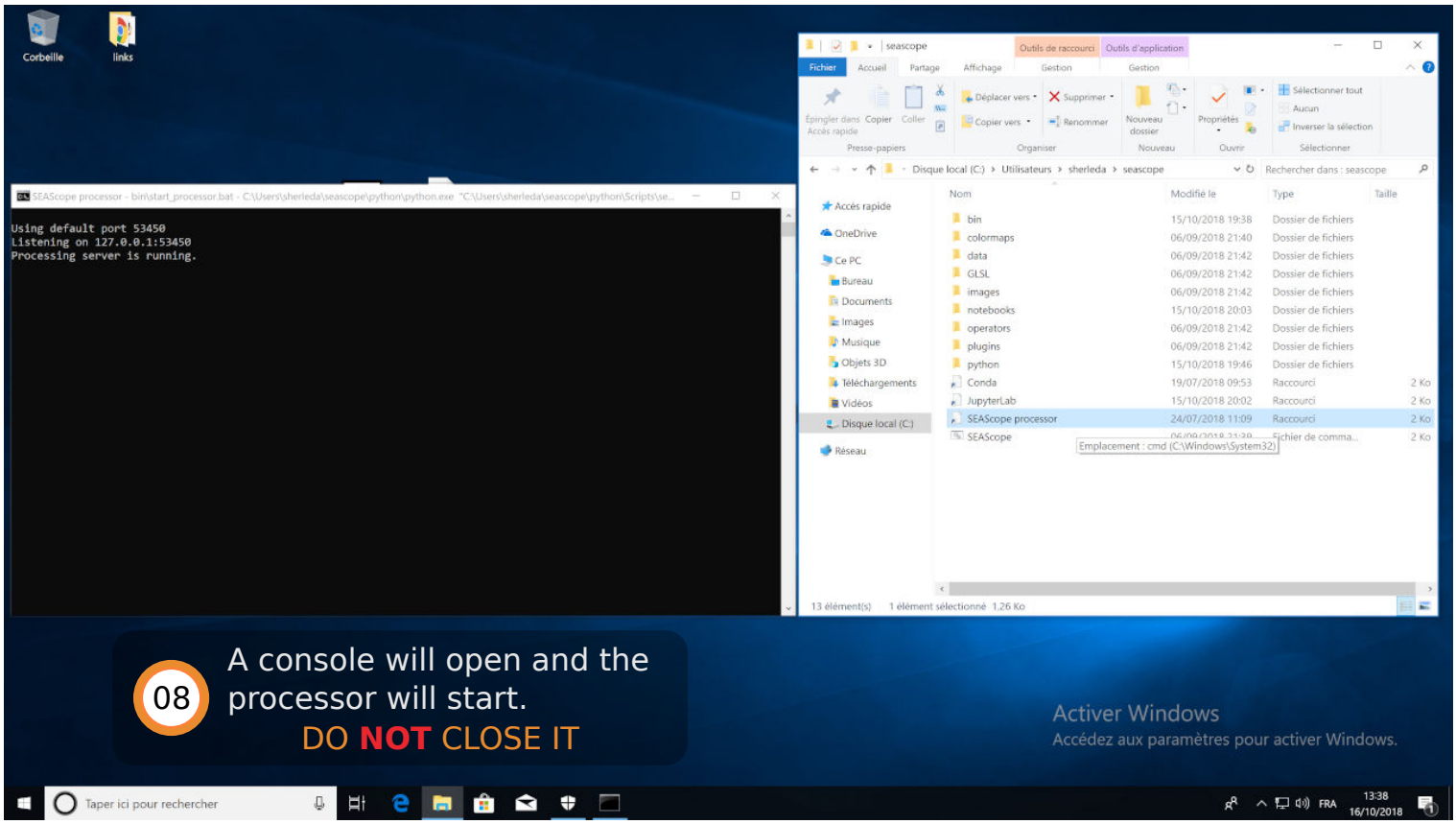

Corbeille
links
seascope_2018_d
ragon4
seascope_2018...
Description du fichier : 7z SFX
Entreprise : Igor Pavlov
Version du fichier : 18.1.0.0
Date de création : 15/10/2018 20:05
Taille : 190 Ko
01
Double-click on the
seascope_2018_dragon4.exe file
Activer Windows
Accédez aux paramètres pour activer Windows.
Taper ici pour rechercher
FRA
13:13
16/10/2018

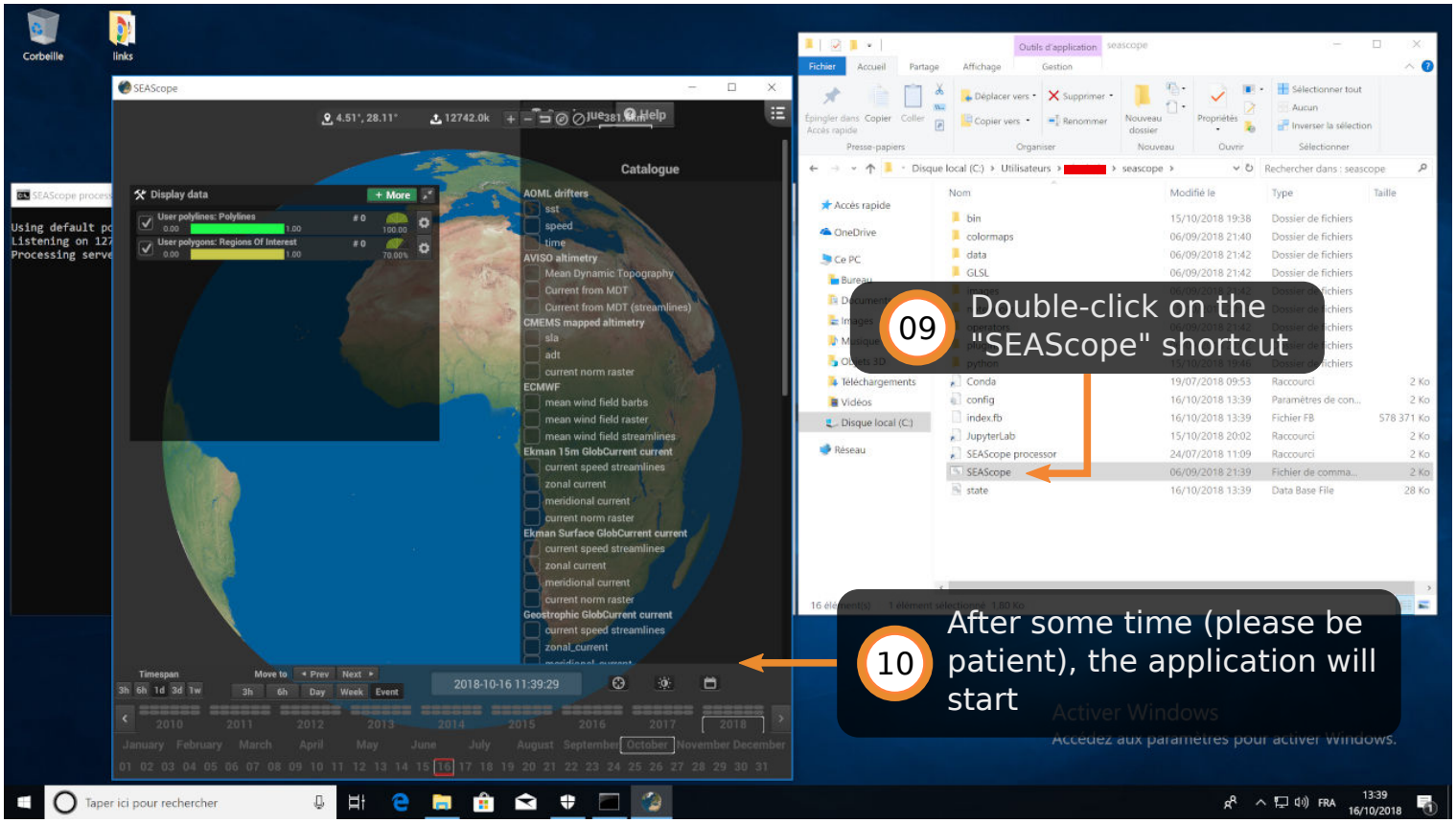

Corbeille
links
seascope_2018...
seascope_2018...
7-Zip self-extracting archive
Extract to:
C:\Users\ \Desktop\
Extract
Cancel
02
A pop-up dialog will open
to let you choose where
the archive will be extracted
DO NOT PUSH
THE "Extract" BUTTON YET!
Activer Windows
Accédez aux paramètres pour activer Windows.
Taper ici pour rechercher
FRA
13:16
16/10/2018

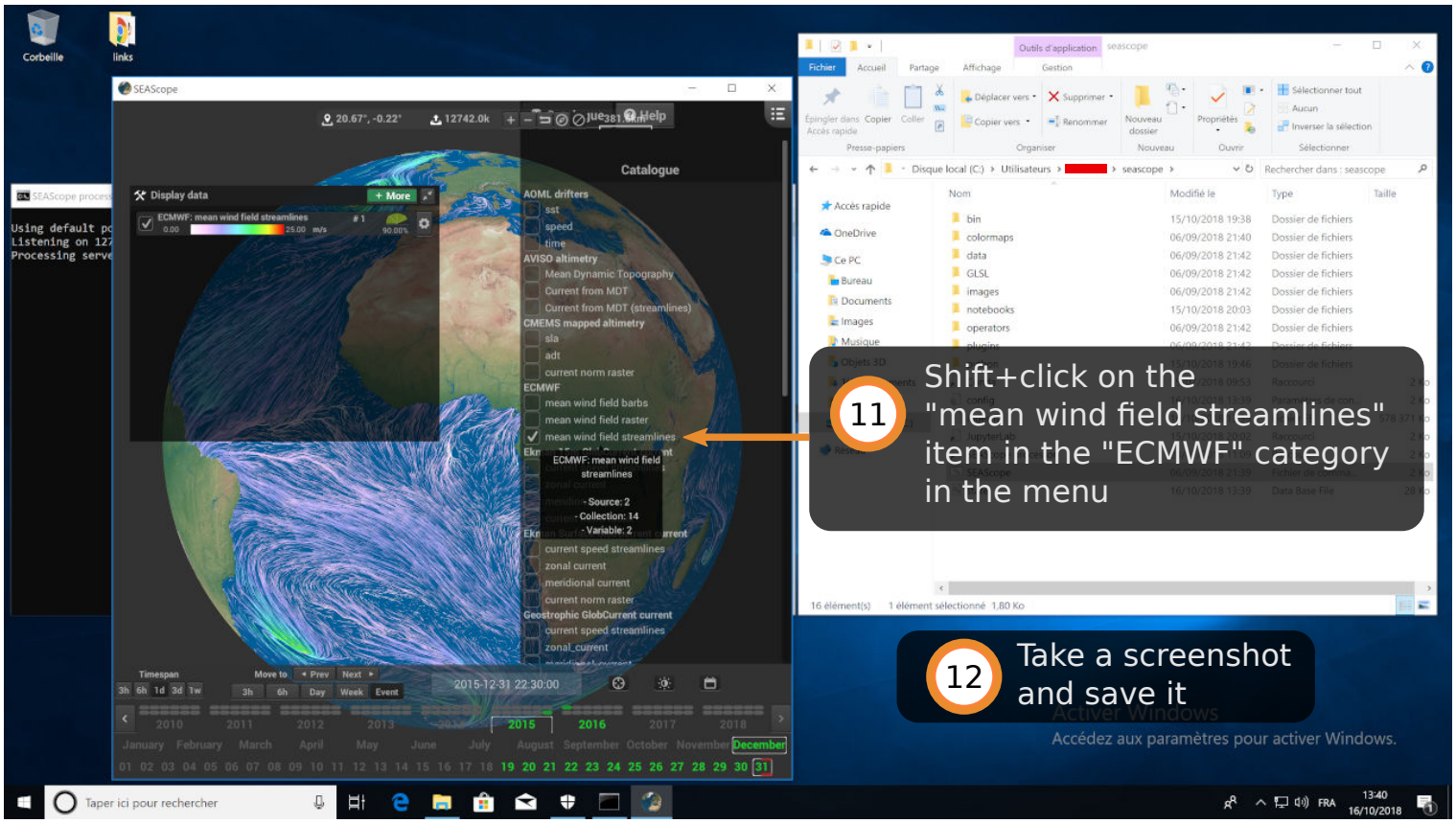

Corbeille
links
03
Edit the extraction path so that it points to the user home directory
seascope_2018...
seascope_2018...
7-Zip self-extracting archive
Extract to:
C:\Users\
Extract
Cancel
04
Click on the "Extract" button
Activer Windows
Accédez aux paramètres pour activer Windows.
Taper ici pour rechercher
FRA
13:17
16/10/2018

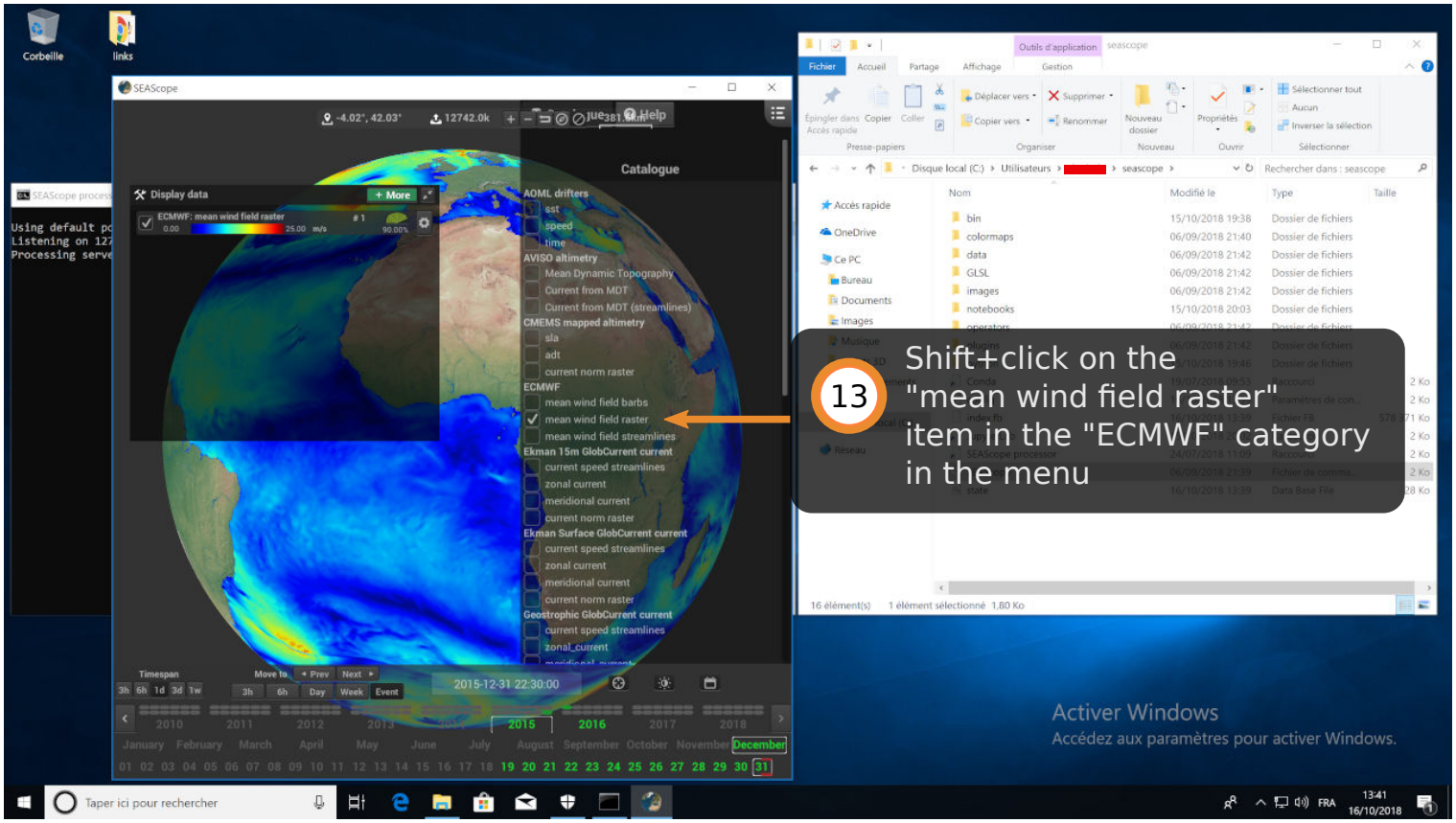

Corbeille
links
seascope_2018...
seascope_2018...
2% Extracting
Elapsed time: 00:00:16
Remaining time: 00:10:15
Files: 1
Compression ratio:
Total size: 8503 M
Speed: 13 MB/s
Processed: 216 M
Compressed size:
Extracting
seascope\data\ecmwf_model_wind\ECMWF_20151220T03Z\
ECMWF_20151220T03Z_idf_00.nc
Background
Pause
Cancel
05
The extraction will begin and will take several minutes (depends on your system)
Activer Windows
Accédez aux paramètres pour activer Windows.
Taper ici pour rechercher
FRA
13:18
16/10/2018

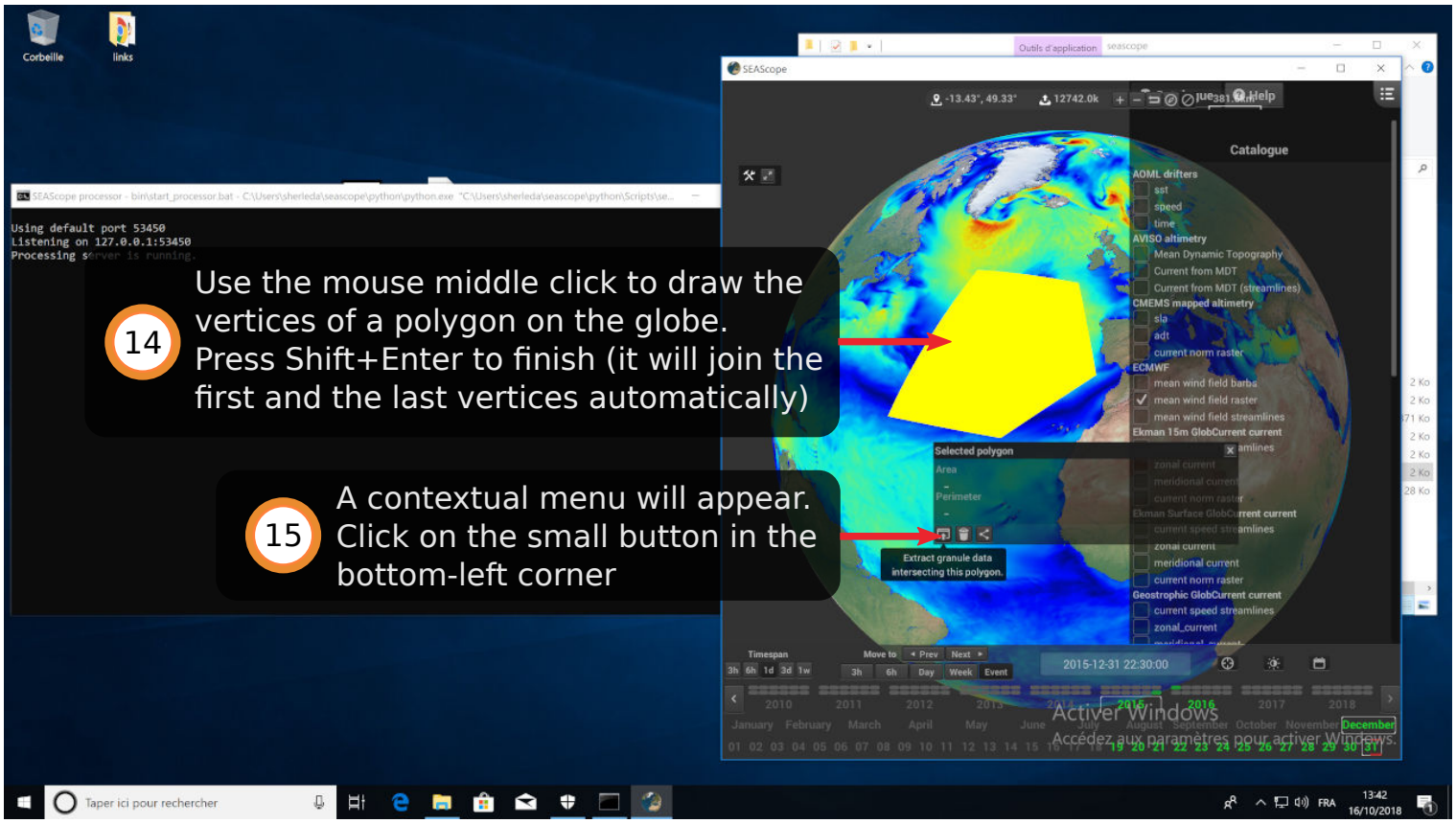

Corbeille
links
06
Start the file explorer and open the "seascope" folder in the user home directory
07
Double-click on the "SEAScope processor" shortcut
Activer Windows
Accédez aux paramètres pour activer Windows.
Taper ici pour rechercher
FRA
13:36
16/10/2018

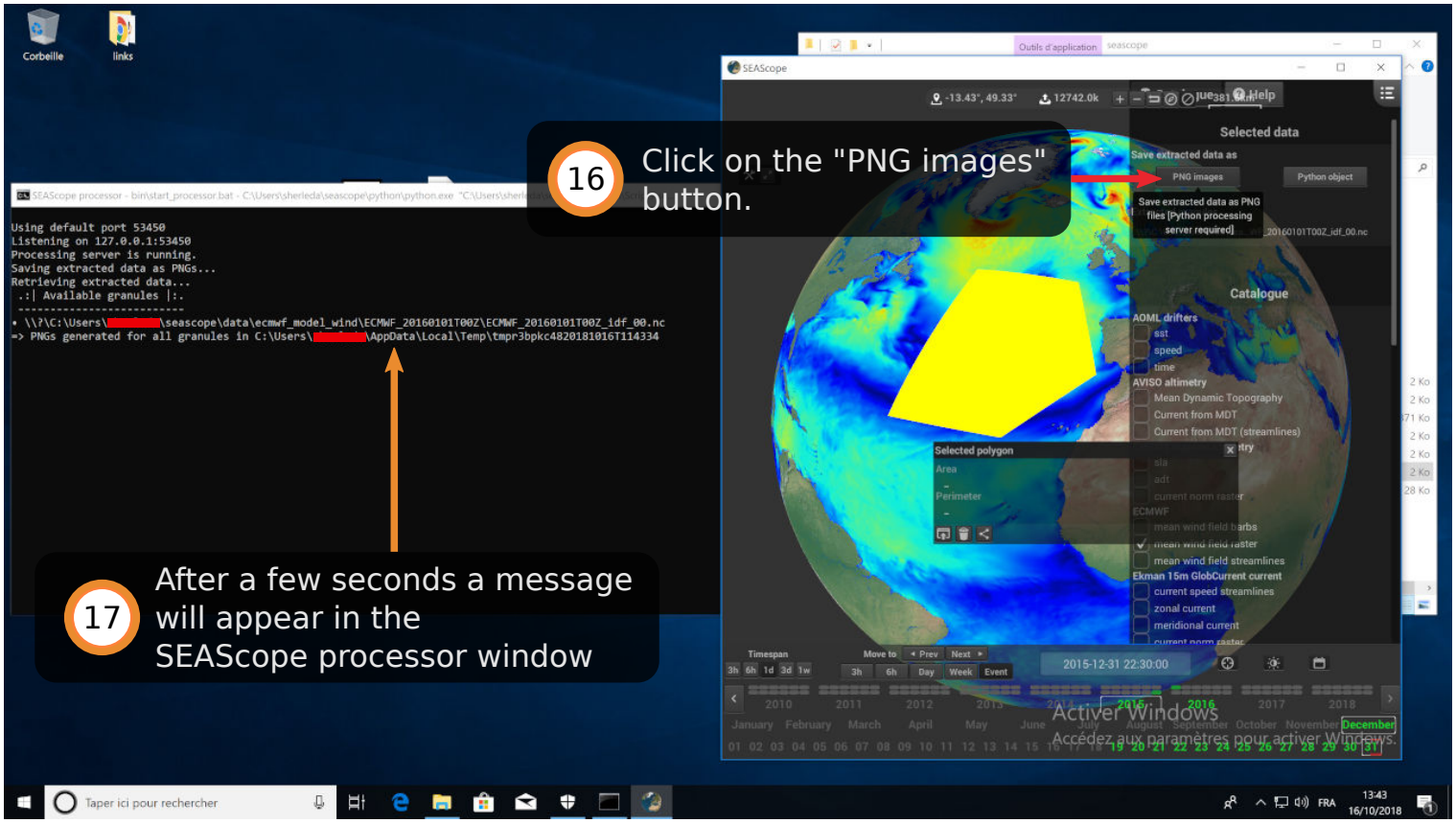

Corbeille
links
Using default port 53450
Listening on 127.0.0.1:53450
Processing server is running.
08
A console will open and the processor will start.
DO NOT CLOSE IT
Activer Windows
Accédez aux paramètres pour activer Windows.
Taper ici pour rechercher
FRA
13:38
16/10/2018

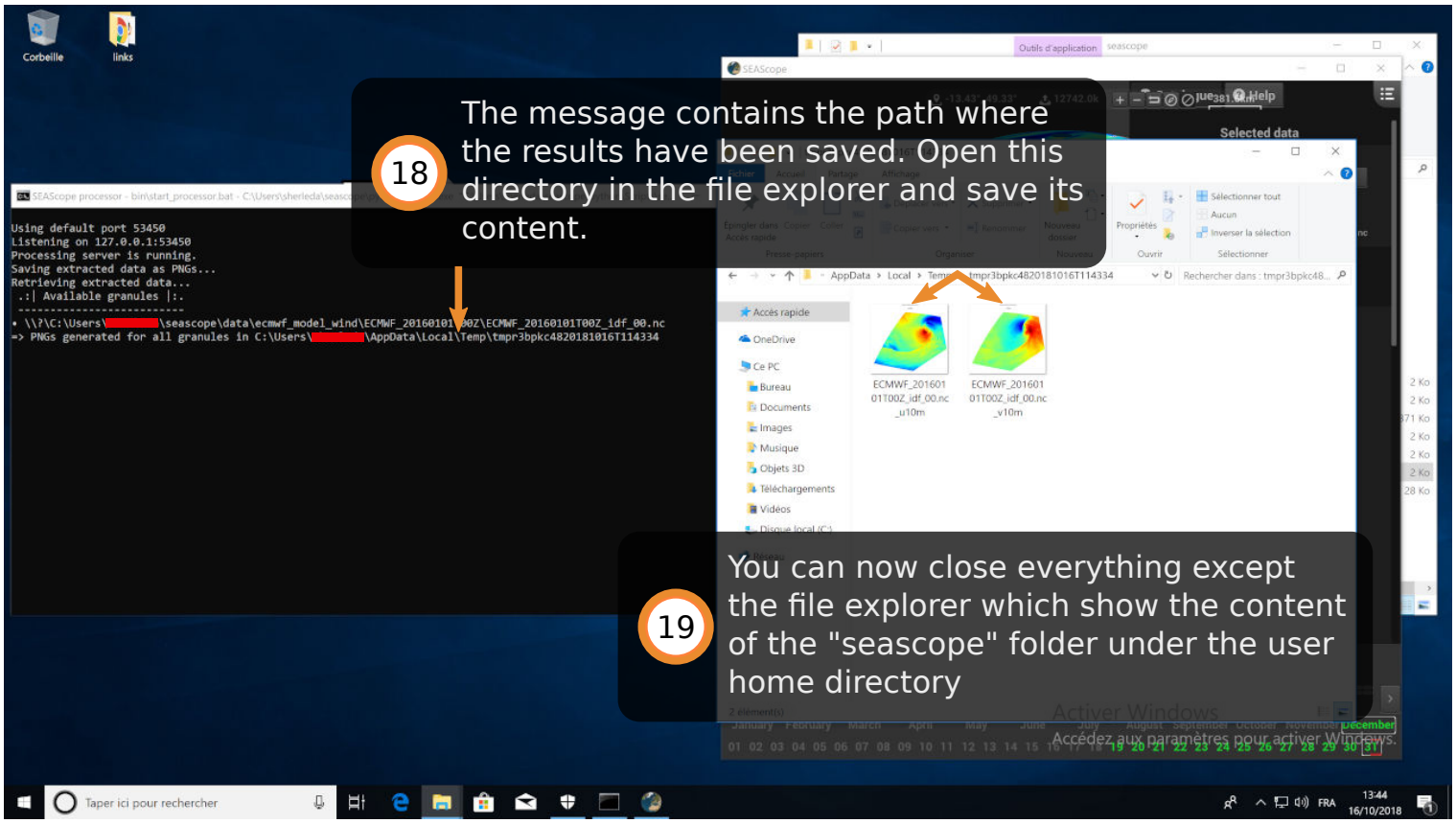

09
Double-click on the "SEAScope" shortcut
10
After some time (please be patient), the application will start

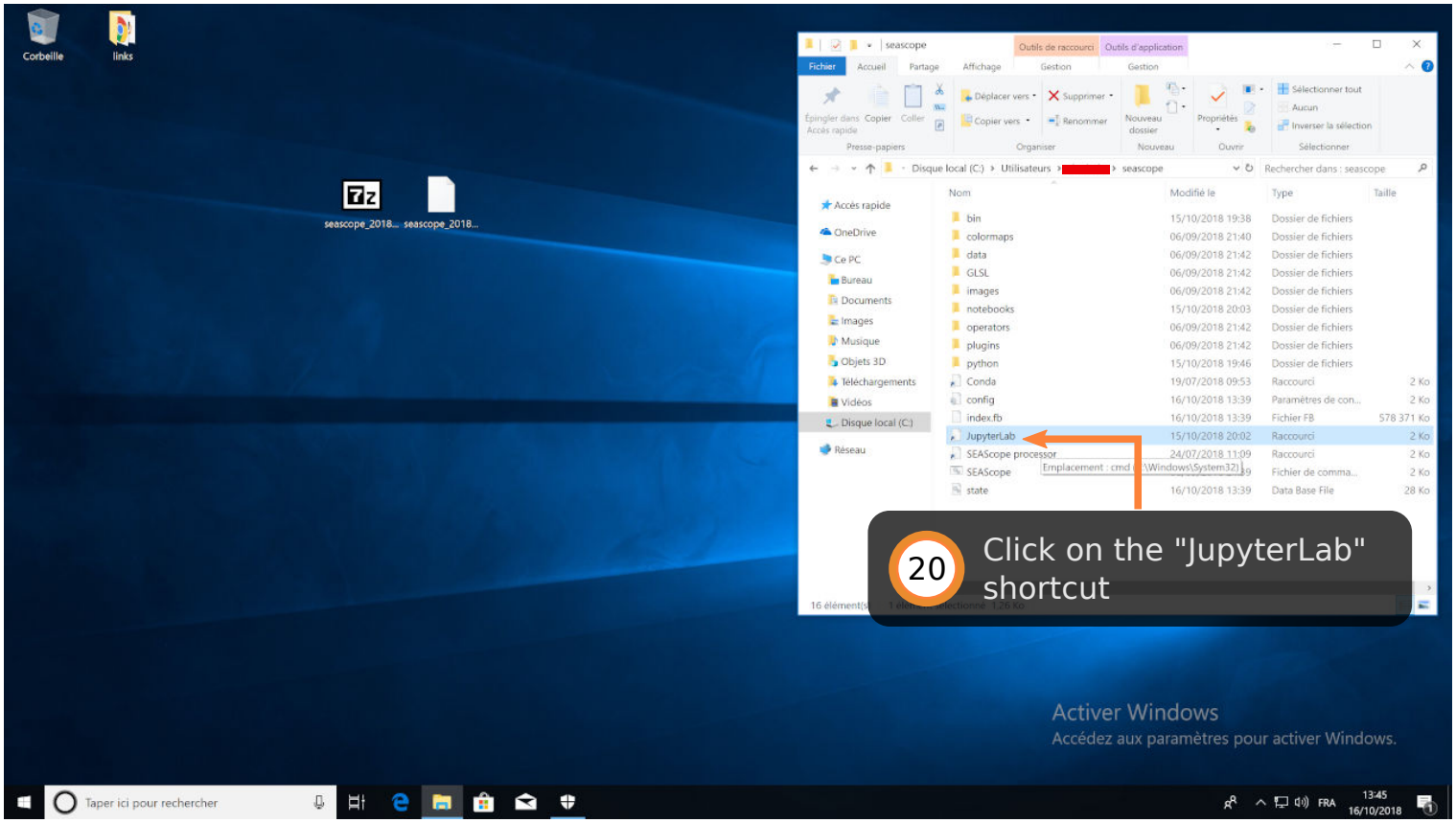

11
Shift+click on the "mean wind field streamlines" item in the "ECMWF" category in the menu
12
Take a screenshot and save it

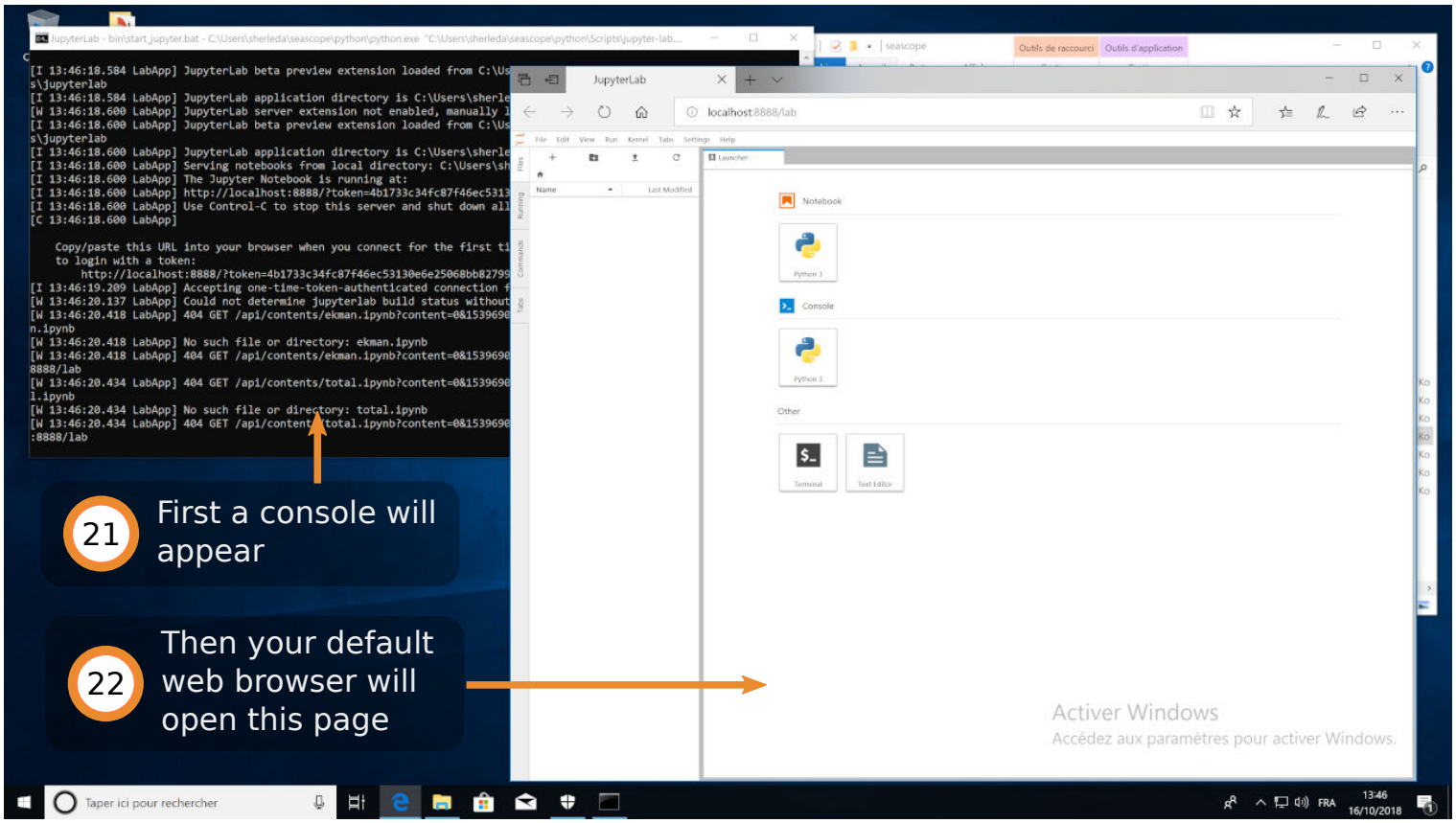

Shift+click on the "mean wind field raster" item in the "ECMWF" category in the menu
13
Catalogue
Display data
ECMWF: mean wind field raster
mean wind field raster
Activer Windows
Accédez aux paramètres pour activer Windows.

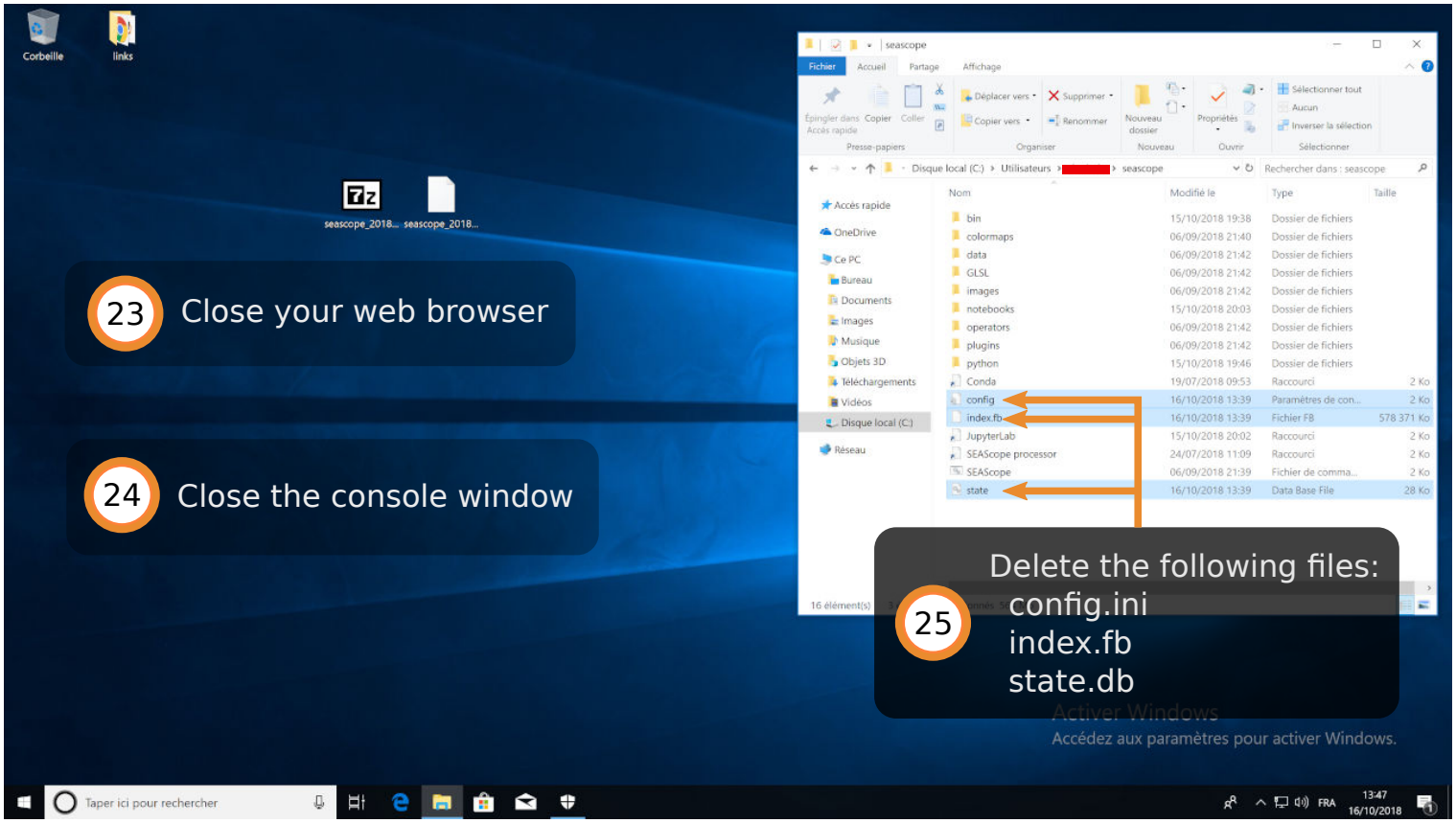

Use the mouse middle click to draw the vertices of a polygon on the globe.
Press Shift+Enter to finish (it will join the first and the last vertices automatically)
14
A contextual menu will appear.
Click on the small button in the bottom-left corner
15
Catalogue
Selected polygon
Extract granule data intersecting this polygon.
Activer Windows
Accédez aux paramètres pour activer Windows.


16
Click on the "PNG images" button.
17
After a few seconds a message will appear in the SEAScope processor window
Using default port 53450
Listening on 127.0.0.1:53450
Processing server is running.
Saving extracted data as PNGs...
Retrieving extracted data...
.:| Available granules |:.
=> PNGs generated for all granules in C:\Users\[redacted]\AppData\Local\Temp\tmpr3bpkc4820181016T114334
Selected data
Save extracted data as
PNG images
Python object
Catalogue
Activer Windows


18
The message contains the path where the results have been saved. Open this directory in the file explorer and save its content.
19
You can now close everything except the file explorer which show the content of the "seascope" folder under the user home directory
Using default port 53450
Listening on 127.0.0.1:53450
Processing server is running.
Saving extracted data as PNGs...
Retrieving extracted data...
.:| Available granules |:.
=> PNGs generated for all granules in C:\Users\[redacted]\AppData\Local\Temp\tmpr3bpkc4820181016T114334
Selected data
Activer Windows


seascope
JupyterLab
SEAScope processor
SEAScope
state
20
Click on the "JupyterLab" shortcut
Activer Windows
Accédez aux paramètres pour activer Windows.


JupyterLab - bin\start_jupyter.bat
[I 13:46:18.584 LabApp] JupyterLab beta preview extension loaded from C:\Us
s\jupyterlab
[I 13:46:18.584 LabApp] JupyterLab application directory is C:\Users\sherle
[W 13:46:18.600 LabApp] JupyterLab server extension not enabled, manually l
[I 13:46:18.600 LabApp] JupyterLab beta preview extension loaded from C:\Us
s\jupyterlab
[I 13:46:18.600 LabApp] JupyterLab application directory is C:\Users\sherle
[I 13:46:18.600 LabApp] Serving notebooks from local directory: C:\Users\sh
[I 13:46:18.600 LabApp] The Jupyter Notebook is running at:
[I 13:46:18.600 LabApp] http://localhost:8888/?token=4b1733c34fc87f46ec5313
[I 13:46:18.600 LabApp] Use Control-C to stop this server and shut down all
[C 13:46:18.600 LabApp]
Copy/paste this URL into your browser when you connect for the first ti
to login with a token:
http://localhost:8888/?token=4b1733c34fc87f46ec53130e6e25068bb82799
[I 13:46:19.209 LabApp] Accepting one-time-token-authenticated connection f
[W 13:46:20.137 LabApp] Could not determine jupyterlab build status without
[W 13:46:20.418 LabApp] 404 GET /api/contents/ekman.ipynb?content=0&1539690
n.ipynb
[W 13:46:20.418 LabApp] No such file or directory: ekman.ipynb
[W 13:46:20.418 LabApp] 404 GET /api/contents/ekman.ipynb?content=0&1539690
8888/lab
[W 13:46:20.434 LabApp] 404 GET /api/contents/total.ipynb?content=0&1539690
l.ipynb
[W 13:46:20.434 LabApp] No such file or directory: total.ipynb
[W 13:46:20.434 LabApp] 404 GET /api/contents/total.ipynb?content=0&1539690
:8888/lab
JupyterLab
localhost:8888/lab
Notebook
Console
Other
21
First a console will appear
22
Then your default web browser will open this page
Activer Windows
Accédez aux paramètres pour activer Windows.



Please send us

- A confirmation that you managed to install the package
- The screenshot from step 12
- The files saved at step 18