

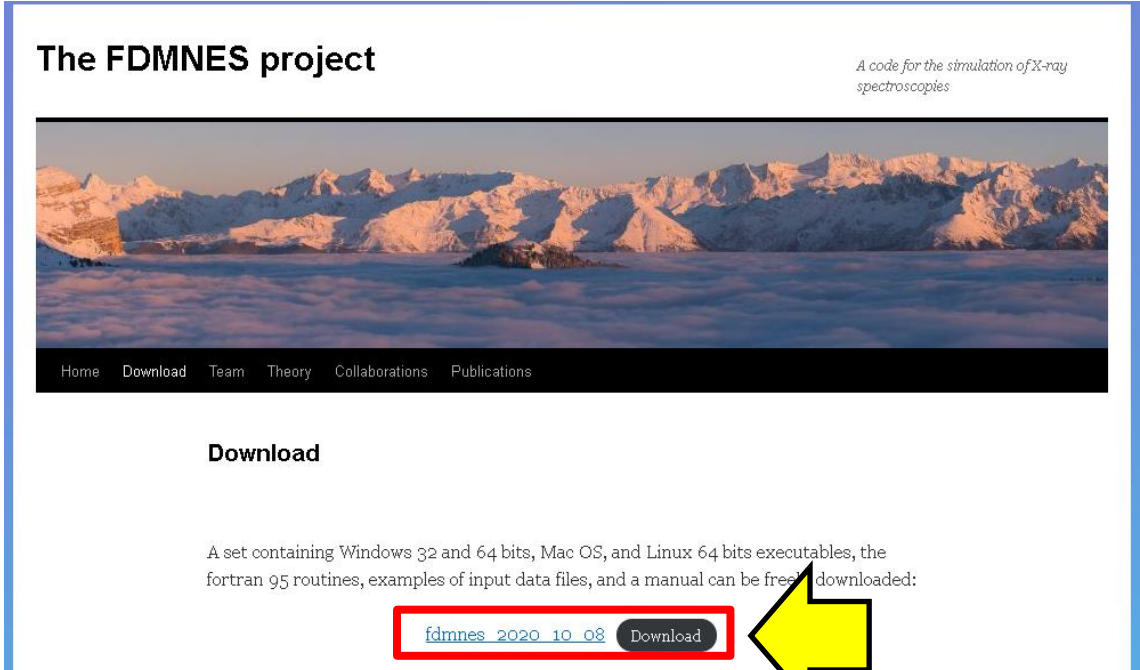
FDMNES for Windows Installation Manual

October 10, 2020

1. Installation of FDMNES

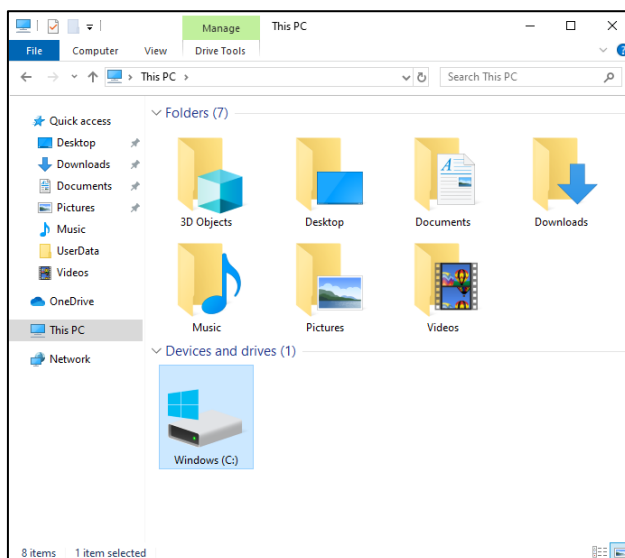
- i. Go to the following site and download the zip file of the FDMNES package.

<http://fdmnes.neel.cnrs.fr/download/>



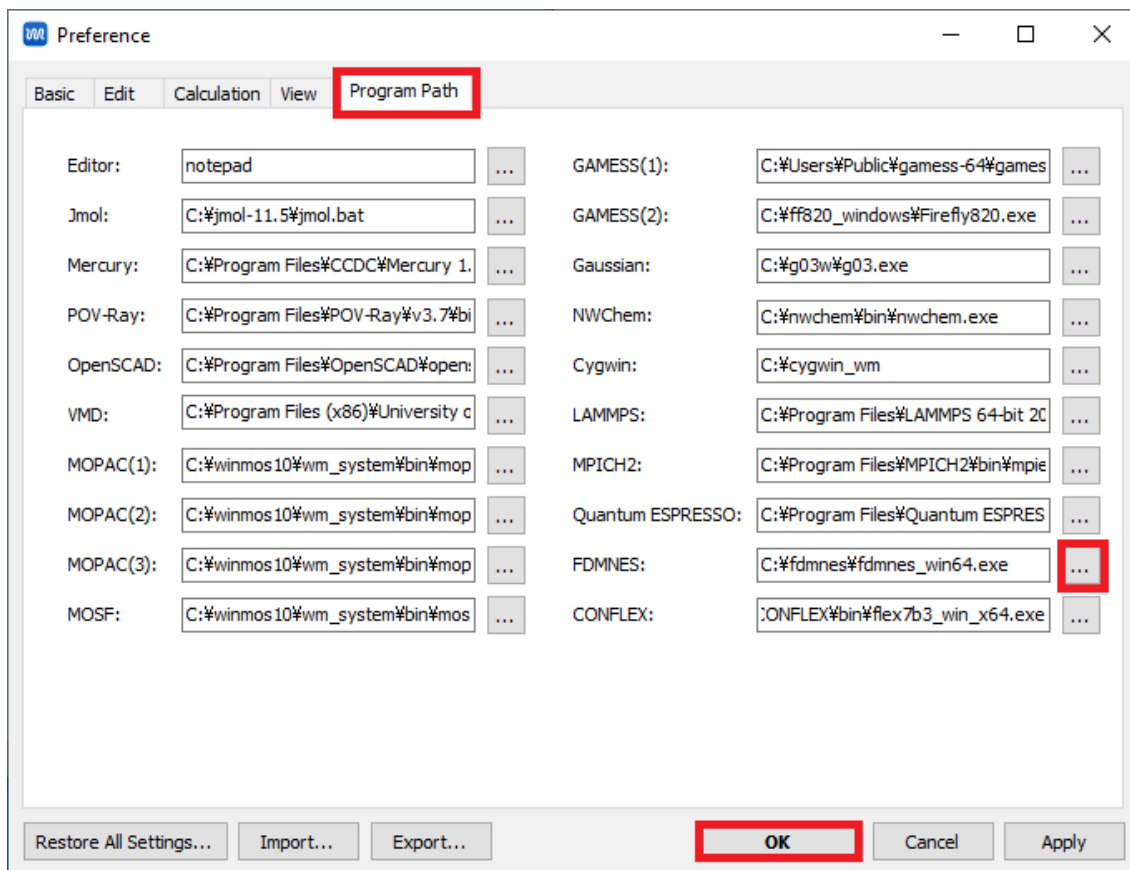
The screenshot shows the website for 'The FDMNES project'. The title is 'The FDMNES project' and the subtitle is 'A code for the simulation of X-ray spectroscopies'. Below the title is a navigation menu with links: Home, Download, Team, Theory, Collaborations, and Publications. A large image of a snowy mountain range is displayed. Below the image, the word 'Download' is written in bold. Underneath, a paragraph states: 'A set containing Windows 32 and 64 bits, Mac OS, and Linux 64 bits executables, the fortran 95 routines, examples of input data files, and a manual can be freely downloaded:'. Below this text, there is a link 'fdmnes_2020_10_08' and a 'Download' button. A red rectangle highlights the link, and a yellow arrow points to it from the right.

- ii. Unzip the downloaded zip file and move the generated "fdmnes" folder to an appropriate location. (In this example, we're going directly under the C:\.)



iii. To set the path for Winmostar to call FDMNES, click [Tools] → [Preferences] in the Winmostar menu to open the Preferences panel.

Open the Preferences Panel [Program Path] tab, and click the [...] button under [FDMNES] button of [FDMNES]. Register "fdmnes_win64.exe" in the fdmnes folder, and click [OK].



* By default, "C:\fdmnes\fdmnes_win64.exe" is displayed, but when using the 32-bit version, change it to "C:\fdmnes\fdmnes_win32.exe".

iv. In some environments, a system error message may be displayed when executing FDMNES and it may not be possible to execute.

In that case, Get the Microsoft Visual C++ 2010 SP1 Redistributable Package (x64) from <https://www.microsoft.com/en-US/download/details.aspx?id=13523>

For 32 bits, Get the Microsoft Visual C++ 2010 SP1 Redistributable Package (x86) from <https://www.microsoft.com/en-US/download/details.aspx?id=8328>

As of April 22, 2020, if you visit the above link, Select English and click "Download", vcredist_x86.exe will be downloaded.

Double-click vcredist_x64.exe and follow the instructions to install it.

2. Installation of cygwin_wm

Download the cygwin installer and set up according to the contents of the link below.

(Not necessary if cygwin_wm has already been set up.)

https://winmostar.com/en/gmx4wm_en.html