QUBuntu **4.4** includes a GNU/Linux operating system distribution based on Ubuntu 14.04, and several useful applications for students and professionals in the field of chemistry: office suite (text editor, spreadsheet, presentations, etc.), mathematical and/or chemical formulae editor, molecular representations, process flow diagrams, scientific calculators, numeric and symbolic mathematical packages, compilers or interpreters for Python, Fortran, C, etc., program editors, quantum chemical packages, graphical interfaces for computational chemistry, molecular dynamics, etc. This software is stored on a bootable pen drive (live USB) or DVD (live DVD), so that nothing has to be installed in the hard disc of the computer. Instructions can be downloaded for installing QUBuntu in a partitioned or a non-partitioned pen drive.

QUBuntu has been developed by Fernando Mota, Albert Solé, Juan Carlos Paniagua and Eudald Vilaseca, all of them members of the Physical Chemistry Department of the University of Barcelona. Suggestions and bug reports are welcome. Address them to f.mota@ub.edu

QUBuntu in a PC
To boot a PC from a QUBuntu pen drive plug it in, turn on the PC while holding the boot menu key, select the USB device from the list of available operating systems and press the Enter key. In some PCs this menu is disabled, and you should enter the BIOS to enable it. A text indicating the keys for accessing the boot menu and the BIOS usually appears at boot start-up (F11, F12, F9, Esc, etc., depending on the PC model). Alternatively the QUBuntu.iso file containing the live DVD image can be copied to the hard disk so as to run QUBuntu in a virtualizer, such as VirtualBox.

QUBuntu in a Mac
Booting a Mac from a pen drive is not easy, but you can copy the QUBuntu.iso file containing the live DVD image onto the hard disk so as to run QUBuntu in a virtualizer, such as VirtualBox. You can also boot your Mac from a live DVD: put the DVD into the driver and restart de mac while holding the alt key. Then select the DVD icon from the boot device list.

Password
If you are asked for the root password you should type *quimica.*

Disks
The files saved during your work with QUBuntu are not stored in the hard disk nor in the pen drive, but in a virtual RAM-disk. Therefore they are lost if you shut down the computer without having copied them elsewhere (to another pen drive, another partition of the QUBuntu pen drive, another computer connected through the cloud, etc.). Note that before unplugging an external device you have to unmount it by clicking on its icon with the right button of the mouse and selecting Eject or Savely remove drive.

Internet connection
If you connect to a router with enabled DHCP by using an ethernet wire no configuration is needed. However, to connect to a wireless network you must click on the icon with two small screens (on the right of the top bar), select the name of the wireless network, and enter the keyword.
If no wireless network appears in the list the system may not have the appropriate wifi driver. Then you should connect with an ethernet wire, or search internet for the required driver (Applications -> System Tools-> Preferences -> Additional Drivers) and install it.

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