



NeuroFedora: a ready to use Free/Open Source platform for Neuroscientists

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NeuroFedora: a ready to use platform for Neuroscience.

- ▶ We present **NeuroFedora**, a ready to use, Free/Open Source Software (FOSS) platform for Neuroscientists.
- ▶ Modern Neuroscience already relies heavily on FOSS, and is gradually moving to an increased use of it [1].
- ▶ Our tools and pipelines, however, are generally complex and not trivial to deploy.
- ▶ **NeuroFedora** aims to provide a ready to install operating system that includes a plethora of Neuroscience software well integrated with other daily use productivity and development tools.
- ▶ **NeuroFedora** is completely community driven, being run solely by volunteers.



Using software included in NeuroFedora



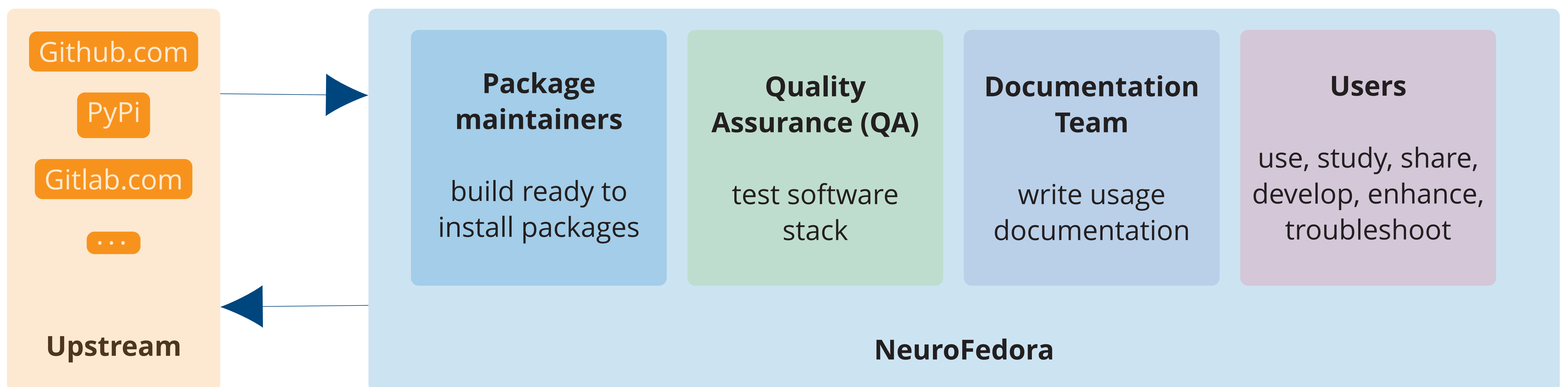
Step 1: Install the Fedora Workstation Edition.
get.fedoraproject.org.

Step 2: Install the software you want to use.
`$ sudo dnf install nest`

Step 3: Get to work!

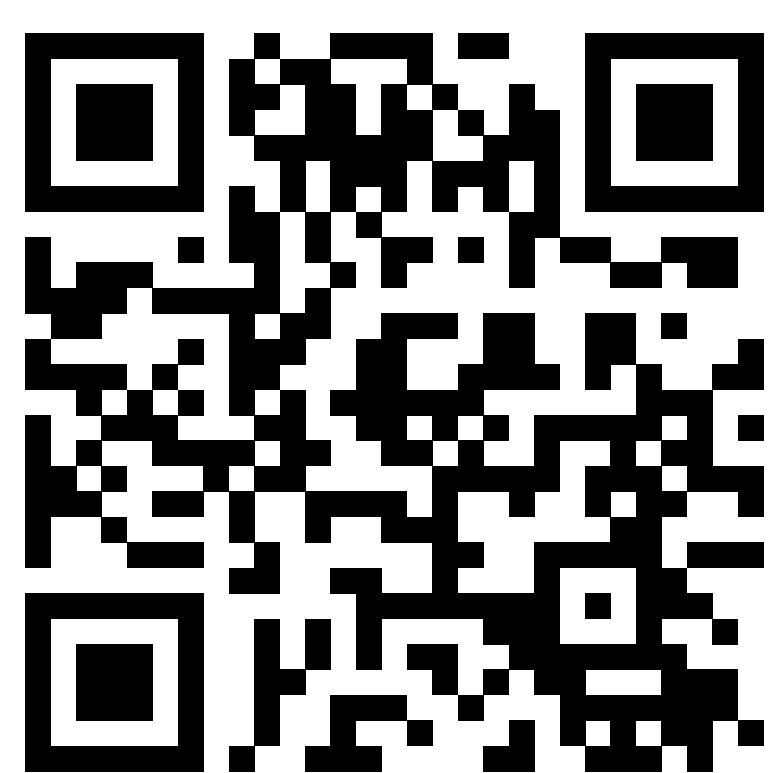
Currently provided software includes: Aurn, Bionetgen, Biosig4c++, COPASI, CTK, DCMTK, DiffusionKurtosisFit, GDCM, InsightToolkit, NEST, NEURON, NEURORD, OpenMEEG, Biopython, Brian (version 1 and 2), DIPY, Python-Elephant, FSLeaves, MNE, NEO, Neurosynth, NiBabel, Nilearn, NineML, Nistats, Nitime, NIXIO, PyLaTeX, PyLEMS, Smoldyn, T_EXLive, VXL, and many more.

A community driven initiative that follows established best practices in software development

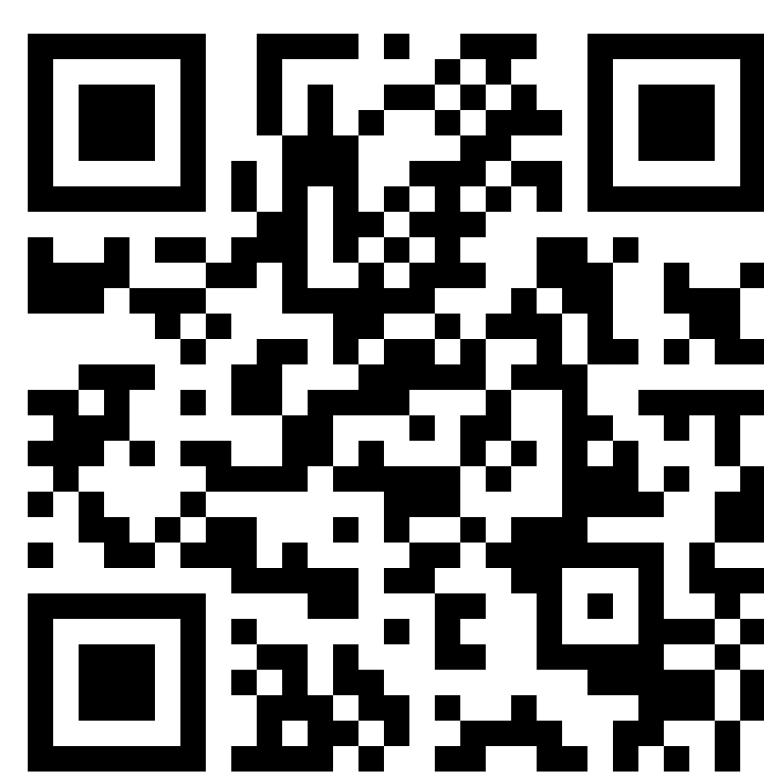


All software included in **NeuroFedora** is built and distributed in accordance with modern software development best practices implemented by the **Fedora community** [2]. **Contribution roles for volunteers include:** building software packages, testing packages, writing documentation and dissemination, artwork and graphics, and end-user troubleshooting.

Links: contact us



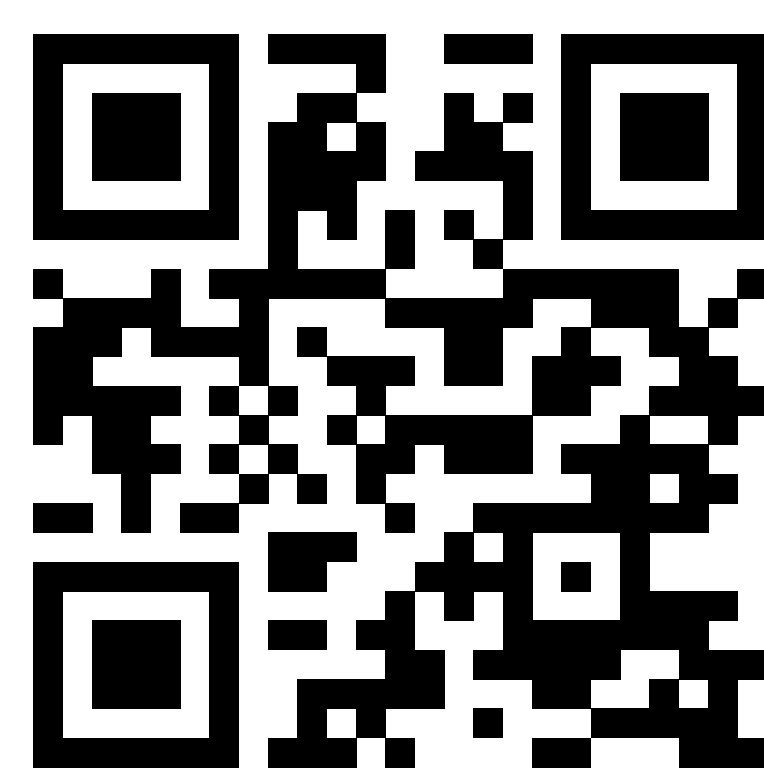
Get Fedora:
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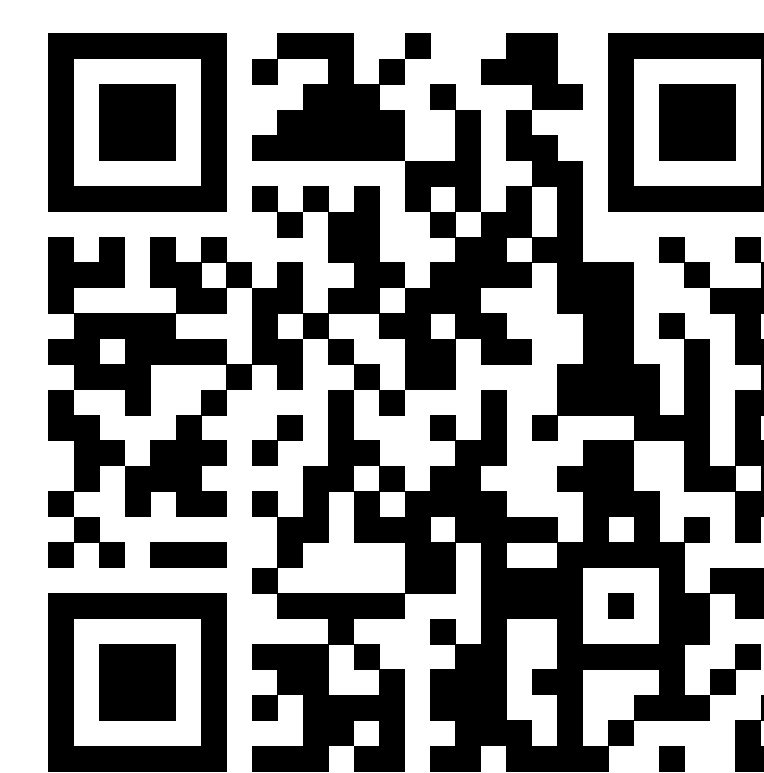
Documentation:
neuro.fedoraproject.org



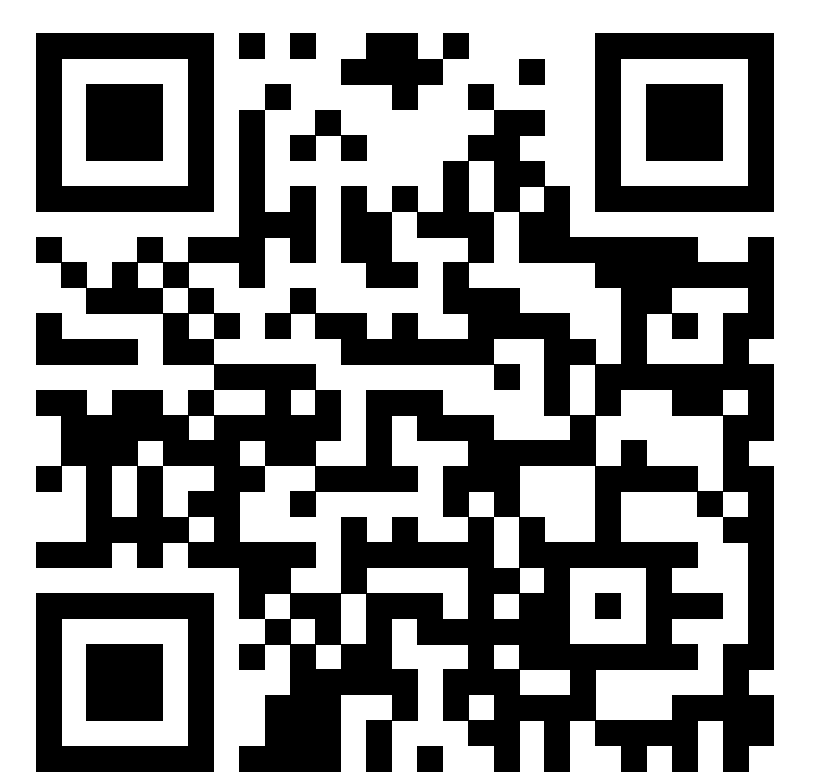
Mailing list: neuro-sig@lists.fedoraproject.org



Telegram channel:
t.me/NeuroFedora



Forum:
ask.fedoraproject.org



Blog:
neurofedora.github.io

References

- Gleeson, P., Davison, A. P., Silver, R. A. & Ascoli, G. A. A Commitment to Open Source in Neuroscience. *Neuron* 96, 964–965 (2017).
- RedHat. *Fedora Project*. 2008.