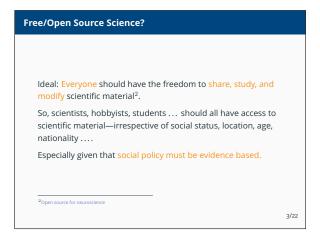
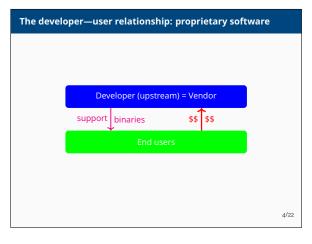


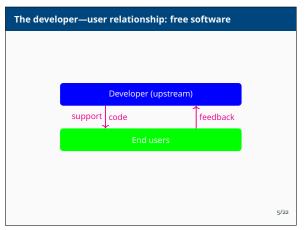


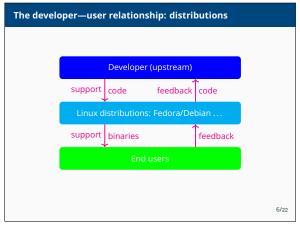
Ideal: users should have the freedom to share, study, and modify software¹. The user is free.







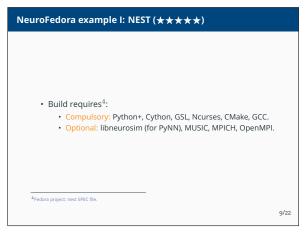




Build software: including all dependencies. Check for correctness (!). Keep up with upstream: updates, security fixes Connect upstream to users. Enable upstream to improve their software³.

NeuroFedora

Penable free science: researchers (end-users): ready to use tested tools. upstreams: feedback from users. software improvements. implement standards. Help make science "default to open".



\$ sudo dnf install python3-nest \$ sudo dnf install python3-nest-mpich \$ sudo dnf install python3-nest-openmpi

NeuroFedora example II: PyNN (★★★) • Build requires⁵: • Compulsory: Python+, Ncurses, CMake, GCC. • At least one of: NEST, Brian, NEURON.

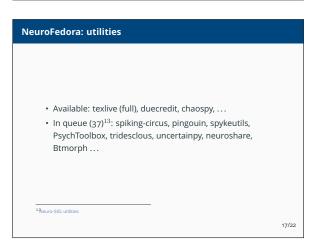
\$ sudo dnf install python3-PyNN Installs PyNN and NEST, Brian⁶, NineML (and NEURON⁷). \$ sudo dnf install python3-PyNN-nest Installs PyNN and NEST.

NeuroFedora: package metrics	
• 67 packages available in total ⁸ .	
• ~130 in queue ⁹ .	
8 src.fedoraproject.org: Neuro-SIG	
⁹ Pagure.io: Neuro-SIG: issues	13/22

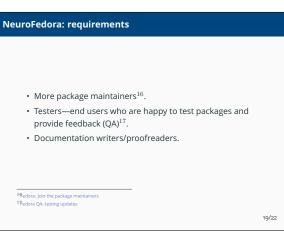
Peuro-Fedora: computational neuroscience Available: NEST, NineML, moose, Brian2, PyLEMS. In queue (26)¹⁰: NEURON, PyNN, Brian1, NetPyne, Genesis, NeuroMLlite, pyNeuroML, pype9, HNN, libSBML...

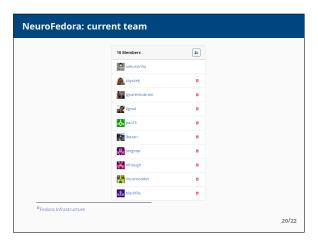
PeuroFedora: neuroimaging Available: biosig, dcm2niix, gifticlib, InsightToolKit, libminc, dipy, fsleyes, mne-bids, pydicom ... In queue (40)¹¹: Nistats, FEAT, TranctoR, FSL, SPM, connectomeviewer, nipype, itktools ...

PeuroFedora: data analysis Available: nilearn, scikit-learn, klusta, lazyarray, neo, nitime, patsy ... In queue (25)¹²: spyke-viewer, stimfit, pyelectro, pyspike, pymc3 ...



Pocher images 15! Announce to research community. RHEL/CentOS/Scientific Linux support (our cluster runs Scientific Linux). BoFs/Hack sessions at scientific conferences (workshop at CNS 2019?) Pagure io: Neuro-SiG: Documentation 19 ggistry, fedoraproject.org





euroFedora: get in touch	
Landing page (until a website/docs are set up) on Fedora wiki $^{\rm 18}.$	
 IRC channel: #fedora-neuro on Freenode.net¹⁹. 	
• Telegram channel: @NeuroFedora ²⁰ .	
Mailing list on lists.fedoraproject.org ²¹ .	
Software suggestion form ²² .	
33	
1ºedora wiki: NeuroFedora	
²⁰ / _{fedora-neuro on Freenode}	
² 1@NeuroFedora on Telegram	
² heuro-sig@lists.fedoraproject.org	
²³ NeuroFedora: suggest software for inclusion	
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