

# Neuroscience Gateway (NSG)

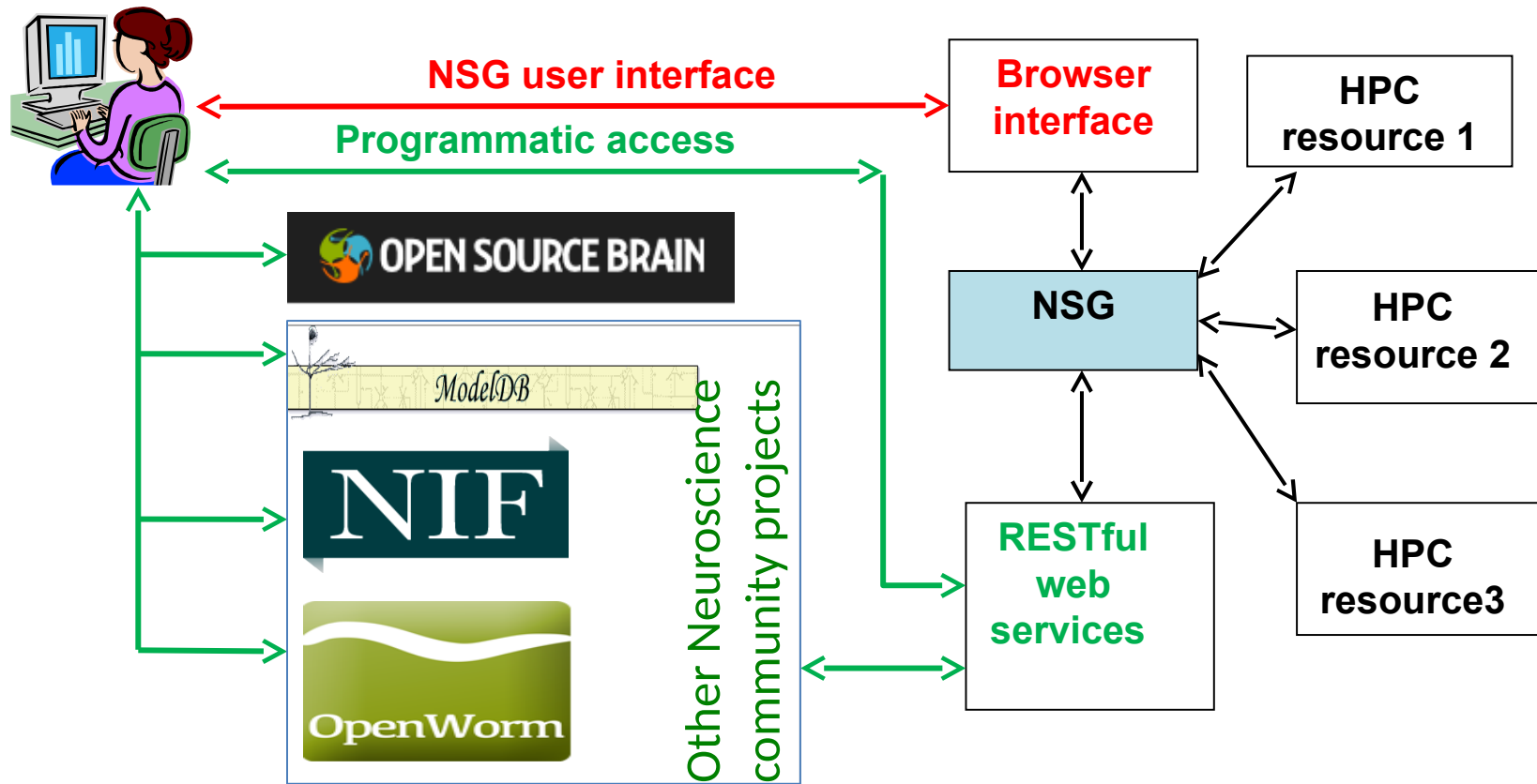
<http://www.nsgportal.org>

NSG facilitates access and use of High Performance Computing resources freely and openly for the neuroscience community via web-based and programmatic (RESTful API) access. Various computational neuroscience tools, libraries, pipelines and data processing software are made available on HPC resources.

# NSG - Portal and Programmatic Access

NSG Portal: Simple and easy to use web interface

NSG-R: Programmatic access through RESTful services



# Currently available tools/software/pipelines

New tools are added continuously based on request from users, researchers, and developers

Current ( July, 2017) tools, libraries, software, pipelines	
BluePyOpt, Michele Migliore et al, National Research Council, Italy	PyMoose
BRIAN	NEST
CARLsim, Jeffrey Krichmar, UC Irvine	NEURON
The Virtual Brain Personalized Medicine Pipeline, Petre Ritter, Humboldt University	Parameter Search Dieter Jaeger, Emory University
FreeSurfer	PyNN
Large Scale Neural Simulator Antonio Ulloa, Neural Bytes	Python
Matlab	R
TensorFlow	Octave
GENESIS	

# NSG usage growing – since 2013

