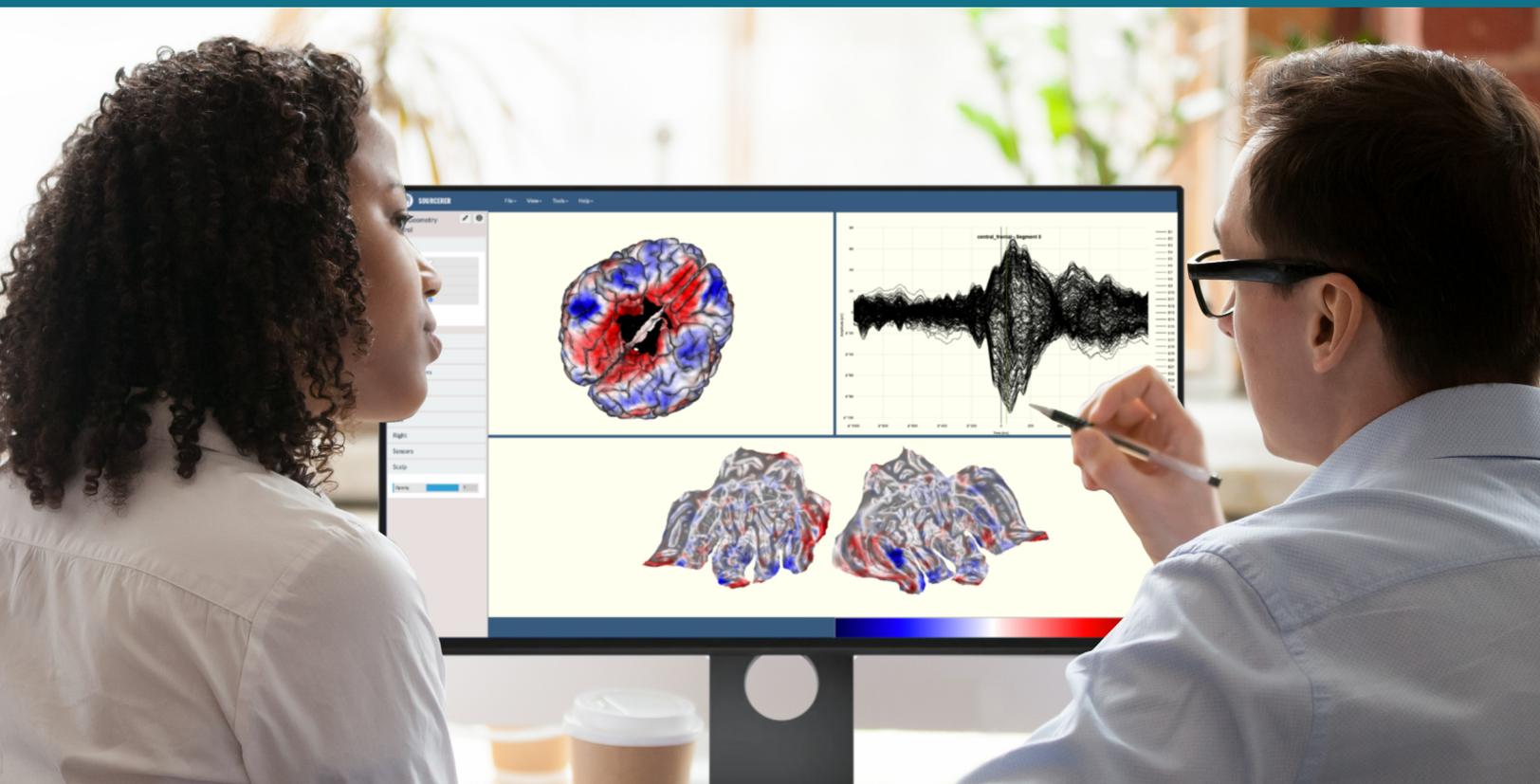




SOURCERER[®]
Source localization software

FLOW[®]
Forward Looking Operations Workflow



SOURCERER and FLOW work together to provide productivity, scientific rigor and reproducibility in your neuroscience laboratory

SOURCERER shows scalp EEG at its source in the brain, visualized in 3D, in a web browser

FLOW laboratory workflow and database management system allows for collaboration between labs with open source community tools for EEG, MEG and ERP analysis

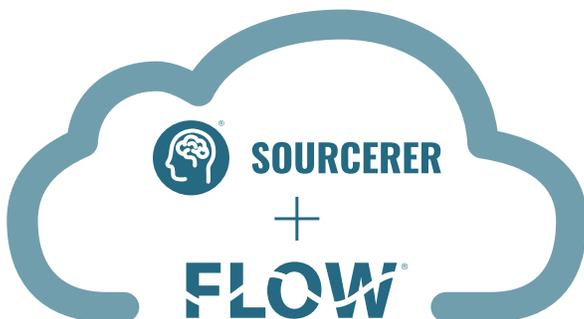
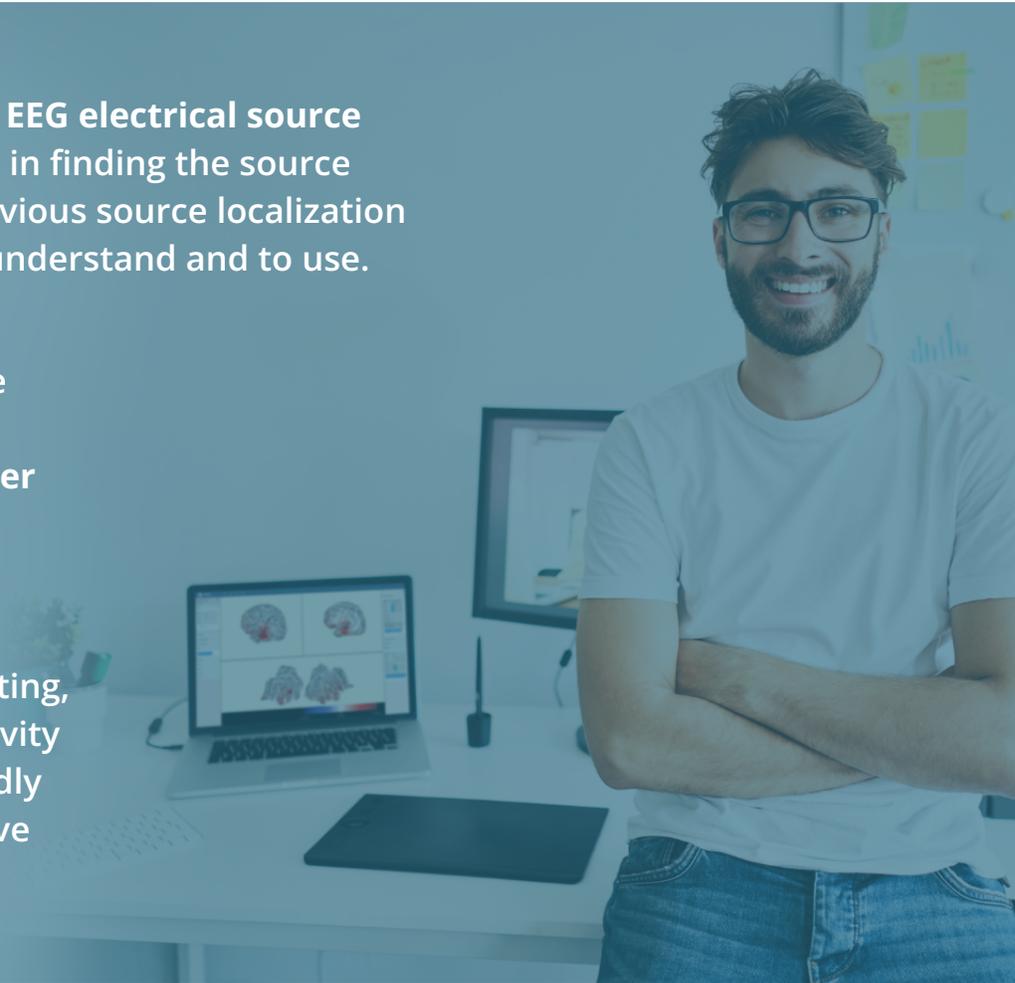
BEL scientists have spent several years developing new software and technology that utilizes **cloud computing** and **machine learning** to bring human neuroscience research to the next level.

SOURCERER is a revolutionary source estimation software built for researchers to visualize EEG activity in the brain.

The latest research shows that **EEG electrical source imaging** is as accurate as MEG in finding the source of activity within the brain. Previous source localization software has been difficult to understand and to use.

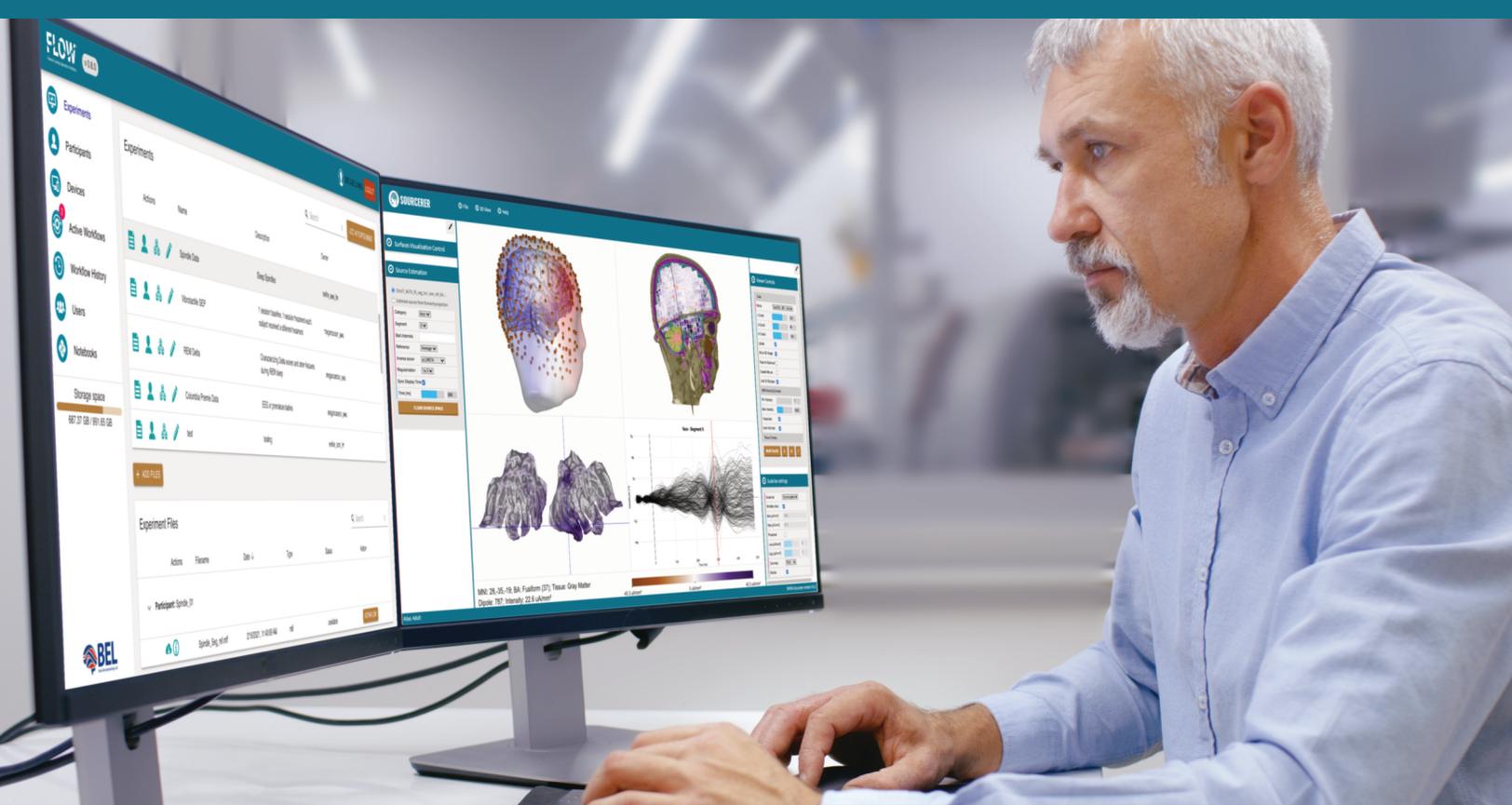
The **BEL** team worked to create a source estimation software that is **more intuitive**, has **faster computation times**, and **easy workflow management**.

SOURCERER uses cloud computing, advanced head tissue conductivity measurements, and user-friendly inverse methods to quickly solve for source activity.



SOURCERER brings cloud computing architecture to EEG source analysis with pre-computation efficiencies.

FLOW is the first database and informatics platform designed specifically for **EEG** and **ERP** workflows.



SOURCERER[®] + FLOW[®]

One platform, one copy of data, multiple workflows



Structured data science platform provides a secure database, user authentication, user permission levels, search, storage, status, and analytic workflows.



Scripting, linking technology, and Docker containers support analytic workflows with various data types to execute consistently and reliably for scientific rigor and reproducibility.



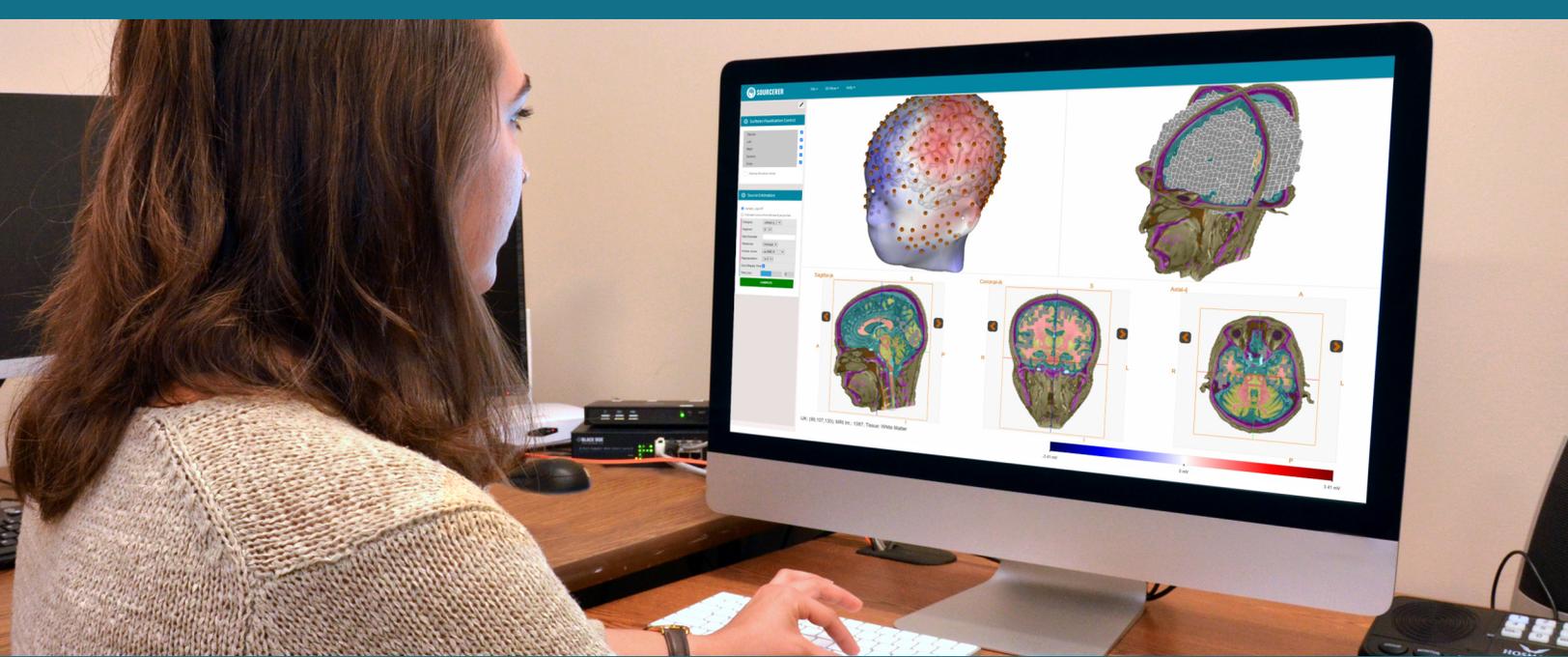
High performance computing includes machine learning, with a first functional application for sleep staging.



Integrating user scripts and workflows from the open source community (MNE, EEGLAB) into structured containers allows improved reproducibility for cross-laboratory sharing and dissemination. Now including a seamless link to Jupyter Notebooks.



Remote data access shared with your collaborators without ever having to copy any of the data.



SOURCERER is a faster and easier EEG source analysis software toolset that enables every EEG researcher to quickly localize EEG activity at its source, in the brain.

Web browser based software architecture
speeds computation
and enables **access from**
any computer

FLOW database and workflow informatics
platform included, supporting
scientific rigor
and **reproducibility**

Updated atlas head models
to accommodate
better choices
for your data



joint time-frequency
localization
of EEG oscillations in the brain

Choice of inverse methods
including new Bayesian
multiple sparse priors for a
more focal solution

3D visualization to see and
interpret analytic results and
use as a **teaching tool**

Advanced head tissue conductivity
measurements for **7 tissue types**

Montreal Neurological Institute (MNI)
coordinates for
seamless navigation



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All of the BEL products are developed under BEL's quality system to meet regulatory standards.
BEL products are not yet cleared as medical devices.