**SciNote Electronic Laboratory and Field Notebook**

SciNote is an open-source Electronic Lab & Field Notebook (ELFN) application for use in managing laboratory work and storing experimental data securely on an EPA private server. SciNote is available for all ORD researchers’ use (user registration is required) via <https://intranet.ord.epa.gov/nrmrl/electronic-research-notebook>.

# Uses

SciNote was developed and deployed to support both research and EPA requirements for electronic record keeping, as well as improve current record keeping requirements through tools that are 21 CFR Part 11 – electronic signatures and audit trails compliant. This tool is also helping to reduce paper waste within ORD.

ORD guidance for implementing research notebooks is provided in Section 13.2 and Section 13.6 of the ORD Policies and Procedures Manual.

# Features

# SciNote keeps your lab data organized by project, including experiments and tasks. Users can add notes and files, create protocols, connect tasks to workflow, export data, and create detailed project reports. SciNote also allows users to create personalized inventories of lab resources and assign user roles and permissions to collaborators. The software is constantly updated with new modules added on a regular basis and shared with the research community. ORD updates the EPA version on a regular basis.

# Training

# Free online webinars are available to users through the developer. Register for future webinars at: <https://scinote.net/webinars/>

# Platform and Code Style

# SciNote is securely maintained on an EPA private Intranet Red Hat Enterprise Linux server. SciNote is developed in Ruby on Rails. It makes use of Docker technology, which is platform independent and runs inside Docker containers on an RTP RHEL server assigned by OSIM. These Docker containers contain an OS and all software modules and services required to run an application and is portable. SciNote's codebase follows code styling conventions. All contributions should follow the below code styling rules provided by various linter configuration files:

# Ruby - RuboCop -.rubocop.yml.

# JavaScript - ESLint -. eslintrc.json, .jsbeautifyrc.

# Sass - scss-lint -.scss-lint.yml.

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# Access

ORD’s SciNote Electronic Research Notebook: <https://ordscinote.epa.gov/>