

ESIF Laboratory Request Form

Project Description

Describe your research plan for using ESIF laboratories, capabilities, and resources.

- **Title.** The project title must be brief, scientifically or technically valid and intelligible to a scientifically or technically literate reader.
- **Abstract & Specific Goals.** State the specific goals and objectives of the research proposed (e.g., to test a stated hypothesis, create a novel design, solve a specific problem, challenge an existing paradigm or practice, address a critical barrier to progress in the field, or develop new technology), providing concise and unambiguous details.

Key Deliverable(s): List the key deliverable(s) you expect to accomplish. Clearly state the scientific and technical impact of this project based upon the listed deliverables. Include publications or journal submissions expected.

- **Mission Relevance:** Clearly describe in detail how your research addresses specific mission areas and advances the science pertinent to DOE's Office of Critical Minerals and Energy Innovation (CMEI), as well as ESIF's endeavors to forge partnerships and advance capabilities to deliver the integrated energy solutions of tomorrow. Also, describe the value/impact of its economic or societal importance.
- **Background/Introduction:** A concise background discussion of previous work should make it clear what the research problem is, why you want to do this particular research project, exactly what has been accomplished, and demonstrate why the research and/or validation needs to be continued.
- **Approach or Work Plan:** Describe the work to be conducted at ESIF, along with any preliminary, background measurements, or tests completed that validate the approach (include references where relevant and attach the full citations as an addendum). Be sure to state which team member(s) will be doing which portion of the work plan and demonstrate why your project requires ESIF resources.

Schedule: List the start and end date for your work at ESIF. Estimate the amount of time (hours) needed for your team to be physically onsite at the ESIF. Include the amount of time for NREL researchers to work on your project, if applicable.

Research Team: In a table, list the names, institution, email address, and roles of each person who will participate in the proposed activities (including any students). This section could also briefly mention directly relevant work done previously by the team members. If desired, include "NLR researcher" either generically or by name if you intend to work with an NLR researcher.

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ESIF Resources: Include a list of ESIF laboratories, resources, and equipment that would be requested / required to complete your project. See a list of [ESIF capabilities and equipment](#).

Additional Information:

Has funding been secured for this project? If yes, please list the funding entity and total project budget.

- ☐ Yes
☐ No

Is proprietary work included in this project?

- ☐ Yes
☐ No

CVs: Attach abbreviated CVs (**2-page maximum each**) for the PI and each of the key project team members that would support the review of the team's qualifications for the research proposed.

Review and Selection: All eligible requests will be evaluated by NLR and DOE management. To be considered, an applicant must include an application package comprising all required materials. The proposal materials must be sent to userprogram.esif@nlr.gov and will provide the sole basis for the review. Requests will be reviewed on a quarterly basis throughout the calendar year.