Mobile Deployment Platform (MDP)

NEON Assignable Asset Request Instructions

Mobile Deployment Platforms (MDPs) are self-contained mobile sensor arrays designed for rapid deployment and can be set up to collect meteorological, soil and surface water data for short- to medium-term monitoring projects. Researchers may request the following or a combination of 1) a full MDP system, or 2) a subset of the MDP system. Our goal is to provide you all the services you need to complete your project from start to finish.

NEON does not own the property on which NEON infrastructure and observational plots are located. Site hosts and landowners grant access to researchers for sampling at NEON sites. Battelle can help coordinate permission in some cases; however, it is primarily the responsibility of the researcher to gain access permission and all required local, state, and federal permits.

Science activities at NEON sampling locations must not compromise NEON measurements or impair Battelle relationships with site hosts. We are committed to the long-term study of these sampling locations, thus sample site integrity and our working relationships with site hosts are imperative. We evaluate assignable asset requests based on the feasibility for NEON support and we carefully consider how non-destructive or destructive sampling activities impact site integrity and NEON data.

Completion of this request form will facilitate the evaluation and pricing estimate of this MDP NEON Assignable Asset Request and should be completed for projects seeking funding and those with funding already secured.

Before creating your request, thoroughly review the [NEON Assignable Asset User Guide](http://www.neonscience.org/assignable-assets-user-guide). Complete all parts of this Request Form. Additional information deemed relevant by the PI to the request may also be provided, as appropriate.

For projects seeking funding, submit this request form at least 4 weeks prior to any institution or funding agency deadlines. For funded projects, submit this request form at least 3 months prior to the start of data collection. For target of opportunity requests, submit as soon as possible and efforts will be made to conduct a quick evaluation and pricing of the request.

**Submit this request and any questions to** AssignableAssetRequests@BattelleEcology.org

# Section 1: Contact Information

* List all investigators, their roles, affiliations, emails and phone numbers.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Investigators | Role | Affiliation | Email | Phone |
|  | PI |  |  |  |
|  | Co-I |  |  |  |
|  | Co-I |  |  |  |
|  | Co-I |  |  |  |

* Who should be the Primary Contact for this request?

# Section 2: Project Overview

## 2.1 Type of Request

* Is this a Standard Request or Target of Opportunity Request?

|  |  |
| --- | --- |
| [ ]  Standard | [ ]  Target of Opportunity (expedited review) |

* What date do you need the budget, and/or Letter of Support/Collaboration from NEON?
	+ This date should be the date your institution needs this information (which may be sooner than the proposal deadline).

## 2.2 Funding

* Funding Status: Funding Secured or Seeking Funding

|  |  |
| --- | --- |
| [ ]  Funding Secured | [ ]  Seeking Funding |

## 2.3 Funding Agency and Program

|  |  |  |
| --- | --- | --- |
| Funding Agency | Program | Solicitation Website |
|  |  |  |

* What is the expected funding notification date? (mm/dd/yyyy)

## 2.4 Project Title

* For proposals seeking funding, this title should match the grant proposal title.
	+ The title will be used in the Letter of Collaboration/Support. Draft titles are acceptable; however, you need to provide notification of the final title prior to the Letter of Support/Collaboration being provided.

## 2.5 Project Summary

* Provide a quick overview of the proposed research project (one sentence to one paragraph).

## 2.6 Technical Objectives:

* Provide technical objectives for the project as related to the NEON Assignable Asset requests.

## 2.7 Proposed use/role of NEON:

* Describe the research activity and why access to NEON’s sites, services or infrastructure is required.
* If needed, please describe the activity NEON field personnel will perform.

## 2.8 Use of the mdp at a neon site

* If an MDP will be deployed at a NEON site, where in relation to NEON infrastructure will the proposed use of the MDP occur?
* Has permission been sought from the land owner/manager to work at the site and deploy an MDP?
* What is the proposed height of the tower?
* What sensor suite is being requested?

## 2.9 use of the mdp at a non-neon site

* If the site is a non-NEON site, what organization owns or manages the site at which the MDP will be deployed?
* Has permission been sought or granted to work and deploy an MDP at the site?
* Are any special permits required to work or deploy an MDP at the site, and have these been sought or granted?
* Are there any access or safety issues that could be encountered in deploying an MDP?
* What is the proposed tower height?
* Is local utility power available at the proposed site?
* Asdfsdfsdf
* Is network access available at the proposed site (e.g. wired, fiber, 4G LTE)?
* Is the proposed site accessible with a truck and trailer?
* A What sensor suite is being requested?
* What is the proposed tower height?

## 2.10 Duration of THE project:

* What are your planned start and end dates of your project’s interaction with Battelle & the NEON program? Start and end dates will be used to encompass the entirety of the collaboration with Battelle as needed for contracting purposes. If applicable, be sure to include sufficient time to receive final invoices for work completed prior to your funding ending.

|  |  |
| --- | --- |
| Start Date:  | End Date:  |

## 2.9 Duration of Field Work:

* How long will the field work last? (years, months or days)
* For the timeline above, will this research project be continuous or intermittent?

## 2.10 Proposed Field collection Start Date:

* What date are you proposing to start data collection? Is this timeframe flexible? (mm/dd/yyyy)

## 2.11 Proposed Field collection End Date:

* What date are you proposing to complete data collection? (mm/dd/yyyy).

## 2.13 Decommissioning/clean-up/restoration

* Describe your plan for decommissioning the research sites, including removing all markers, equipment, etc., and to the extent possible, restoring research sites to their original state.

## 2.12 NEON Sites ([Site list link](https://www.neonscience.org/field-sites/field-sites-map/list))

* At which NEON site(s) do you propose to conduct the research? Are you unsure or interested in advice for selecting sites? Please use the four-letter site code (see Table at end of document for a list of NEON sites and site ID codes).

# Section 3: DATA management

Requesters are required to abide by [NEON’s Data Policy](http://www.neonscience.org/assignable-assets).

* Describe how data and/or metadata will be collected and stored.
* Describe how and when will data or data derived from samples and specimens collected be made publically available.

# SECTION 4: SAFETY and training

* Describe your plans for training PI research personnel to ensure that they operate in a safe and environmentally compliant manner, and that they understand any guidelines and restrictions pertaining to conducting the research at NEON sites.
* Will research personnel be present whenever an MDP is deployed at a site?

# section 5: permitting

**NEON does not own the property on which NEON infrastructure and observational plots are located.**

The following, downloadable workbook (.xlsx) provides information about which field sites are open to additional non-NEON research activities. Check this document for contact information for obtaining appropriate permits and permissions.

[NEON Site Access Info](https://www.neonscience.org/field-site-access-external-research-activities)

<https://www.neonscience.org/field-site-access-external-research-activities>

Researchers are required to obtain access and use permits from the site host and local, state, and federal agencies. In some situations, NEON can assist with this. Also, in a small number of situations NEON permits will suffice if NEON staff are completing the activity.

Thank you for completing this application.

In addition to the above information we may be able to assist:

* Evaluating the potential impact of proposed activities on NEON measurements and observations.
* Selecting optimal locations for your research objectives ensuring efficient use of resources and high-quality data.
* Contacting site hosts to coordinate field sampling at NEON sites.
* Finding additional information about field sites, permitting or other questions.

**Submit this request and any questions to** AssignableAssetRequests@BattelleEcology.org

# NEON Sites

|  |  |
| --- | --- |
| **Terrestrial** | **Aquatic** |
|

|  |  |  |
| --- | --- | --- |
| **Domain #** | **Site ID** | **Site Name** |
| D01 | BART | Bartlett Experimental Forest |
| D01 | HARV | Harvard Forest |
| D02 | BLAN | Blandy Experimental Farm |
| D02 | SERC | Smithsonian Environmental Research Center |
| D02 | SCBI | Smithsonian Conservation Biology Institute |
| D03 | OSBS | Ordway-Swisher Biological Station |
| D03 | DSNY | Disney Wilderness Preserve |
| D03 | JERC | Jones Ecological Research Center |
| D04 | LAJA | Lajas Experimental Station |
| D04 | GUAN | Guanica Forest |
| D05 | TREE | Treehaven |
| D05 | UNDE | UNDERC |
| D05 | STEI | Steigerwaldt Land Services |
| D06 | KONA | Konza Prairie Biological Station - Relocatable |
| D06 | KONZ | Konza Prairie Biological Station |
| D06 | UKFS | The University of Kansas Field Station |
| D07 | ORNL | Oak Ridge |
| D07 | MLBS | Mountain Lake Biological Station |
| D07 | GRSM | Great Smoky Mountains National Park, Twin Creeks |
| D08 | LENO | Lenoir Landing |
| D08 | TALL | Talladega National Forest |
| D08 | DELA | Dead Lake |
| D09 | WOOD | Woodworth |
| D09 | NOGP | Northern Great Plains Research Laboratory |
| D09 | DCFS | Dakota Coteau Field School |
| D10 | CPER | Central Plains Experimental Range |
| D10 | STER | North Sterling, CO |
| D10 | RMNP | Rocky Mountain National Park, CASTNET |
| D11 | CLBJ | LBJ National Grassland  |
| D11 | OAES | Klemme Range Research Station |
| D12 | YELL | Yellowstone Northern Range (Frog Rock) |
| D13 | NIWO | Niwot Ridge Mountain Research Station |
| D13 | MOAB | Moab |
| D14 | SRER | Santa Rita Experimental Range |
| D14 | JORN | Jornada LTER |
| D15 | ONAQ | Onaqui |
| D16 | WREF | Wind River Experimental Forest |
| D16 | ABBY | Abby Road |
| D17 | TEAK | Lower Teakettle |
| D17 | SOAP | Soaproot Saddle |
| D17 | SJER | San Joaquin Experimental Range |
| D18 | TOOL | Toolik |
| D18 | BARR | Barrow Environmental Observatory |
| D19 | BONA | Caribou-Poker Creeks Research Watershed |
| D19 | DEJU | Delta Junction |
| D19 | HEAL | Healy |
| D20 | PUUM | Pu'u Maka'ala Natural Area Reserve |

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|  |  |  |
| --- | --- | --- |
| **Domain #** | **Site ID** | **Site Name** |
| D01 | HOPB | Lower Hop Brook |
| D02 | LEWI | Lewis Run |
| D02 | POSE | Posey Creek |
| D03 | FLNT | Flint River |
| D03 | SUGG | Ordway-Swisher Biological Station - Suggs Lake |
| D03 | BARC | Ordway-Swisher Biological Station - Barco Lake |
| D04 | GUIL | Rio Guilarte |
| D04 | CUPE | Rio Cupeyes |
| D05 | LIRO | Little Rock Lake |
| D05 | CRAM | Crampton Lake |
| D06 | MCDI | McDiffett Creek |
| D06 | KING | Kings Creek |
| D07 | WALK | Walker Branch |
| D07 | LECO | LeConte Creek |
| D08 | MAYF | Mayfield Creek |
| D08 | TOMB | Lower Tombigbee River at Choctaw Refuge |
| D08 | BLWA | Black Warrior River near Dead Lake |
| D09 | PRPO | Prairie Pothole  |
| D09 | PRLA | Prairie Lake at Dakota Coteau Field School |
| D10 | ARIK | Arikaree River |
| D11 | BLUE | Blue River |
| D11 | PRIN | Pringle Creek |
| D12 | BLDE | Blacktail Deer Creek |
| D13 | WLOU | West St Louis Creek |
| D13 | COMO | Como Creek |
| D14 | SYCA | Sycamore Creek |
| D15 | REDB | Red Butte Creek |
| D16 | MART | Martha Creek |
| D16 | MCRA | McRae Creek |
| D17 | TECR | Teakettle 2 Creek |
| D17 | BIGC | Upper Big Creek |
| D18 | TOOK | Toolik Lake |
| D18 | OKSR | Oksrukuyik Creek |
| D19 | CARI | Caribou Creek, Caribou-Poker Creeks ResearchWatershed |

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