**MONet Soil Function Request Form**

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| **Summary Research Description**  *Information on scientific goals helps us to evaluate responses to technical questions below and to understand how MONet helps advance your science.* |
| Describe your scientific objectives or research questions that will be answered by the selection of field locations. Describe how participating in the MONet soil program will support your goals and will contribute to the understanding of ecosystem processes or services [250-500 words]. |

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| 1. **Participant Characteristics** |
| 1. Are you a member of a large multidisciplinary program (e.g., Critical Zone Network, DOE-Science Focus Area, AmeriFlux, multi-institution project, etc.)? Choose an item.   If **Yes**, type in affiliation. There is a limit of 21 soil sampling events in 2023.   |  | | --- | |  |   If **No**, there is a limit of 6 soil sampling events in 2023.  **\* IMPORTANT: one sampling event consists of paired 30 cm deep cores for biotic and abiotic measurements as well as four 10 cm deep cores to capture surface soil heterogeneity.** |

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| 1. **Collection Event Characteristics** |
| 1. Are you planning to sample at multiple sites? Choose an item.   If **Yes**, please indicate the approximate distance between sampling sites.   |  | | --- | |  |   If collection sites are closer than 10 m (e.g., toposequence, land use/cover transition) to one-another, then please provide a justification in the **Summary Research Description.** |
| 1. Are you planning to sample the same site over time? Choose an item.   If **Yes**, please describe the planned sampling frequency and 2023 sampling dates.   |  | | --- | |  | |

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| 1. **Environmental and Regulatory Compliance**   *PNNL is responsible to obtain required state and federal permits to support the sampling process. Your answers to these questions will help us to do this expeditiously.* |
| 1. Is your field site on federal property? Choose an item. |
| 1. Is the site privately owned but supported by federal research grants (e.g., LTER sites)? Choose an item. |
| 1. Are there existing access agreements or an established permitting process?   Choose an item.  Please describe.   |  | | --- | |  | |

Fill out a Field Site Characteristics box for each proposed sampling site.

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| 1. **Field Site Characteristics: Site 1** |
| 1. Latitude, Longitude (decimal degrees):  |  | | --- | |  | |
| 1. Soil Taxonomy: Choose an item. |
| 1. Ecoregion: Choose an item.  |  | | --- | | [Ecoregion map](https://www.neonscience.org/sites/default/files/styles/max_1300x1300/public/2021-04/2021_04_Graphic_Domain_Map%20Field%20sites_w_rivers_png.png?itok=0_oMxQB8) (Source: NEON/Battelle) | |
| 1. Land Use/Cover Type: Choose an item.   Additional details about land management, vegetation, transition land covers.   |  | | --- | |  | |
| 1. Does the field site have monitoring or other existing data for above- or below-ground biogeochemical or atmospheric parameters (e.g., ground- or surface water chemistry, gas fluxes)? Choose an item.   If **Yes**, describe the distance between collection and monitoring sites and the type of data that are being collected, e.g., for surface water chemistry (DOC, base cations); for gas fluxes (CO2, CH4); pore water   |  | | --- | |  |   If **Yes**, are these data publicly available through an open web portal? Provide URL:   |  | | --- | |  | |
| 1. Is the field collection location within an existing long-term (> 5 yrs.) field research site? Choose an item. |

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| 1. **Field Site Characteristics: Site 2 (if applicable)** |
| 1. Latitude, Longitude (decimal degrees):  |  | | --- | |  | |
| 1. Soil Taxonomy: Choose an item. |
| 1. Ecoregion: Choose an item.  |  | | --- | | [Ecoregion map](https://www.neonscience.org/sites/default/files/styles/max_1300x1300/public/2021-04/2021_04_Graphic_Domain_Map%20Field%20sites_w_rivers_png.png?itok=0_oMxQB8) (Source: NEON/Battelle) | |
| 1. Land Use/Cover Type: Choose an item.   Additional details about land management, vegetation, transition land covers.   |  | | --- | |  | |
| 1. Does the field site have monitoring or other existing data for above- or below-ground biogeochemical or atmospheric parameters (e.g., ground- or surface water chemistry, gas fluxes)? Choose an item.   If **Yes**, describe the distance between collection and monitoring sites and the type of data that are being collected, e.g., for surface water chemistry (DOC, base cations); for gas fluxes (CO2, CH4); pore water   |  | | --- | |  |   If **Yes**, are these data publicly available through an open web portal? Provide URL:   |  | | --- | |  | |
| 1. Is the field collection location within an existing long-term (> 5 yrs.) field research site? Choose an item. |

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| 1. **Field Site Characteristics: Site 3 (if applicable)** |
| 1. Latitude, Longitude (decimal degrees):  |  | | --- | |  | |
| 1. Soil Taxonomy: Choose an item. |
| 1. Ecoregion: Choose an item.  |  | | --- | | [Ecoregion map](https://www.neonscience.org/sites/default/files/styles/max_1300x1300/public/2021-04/2021_04_Graphic_Domain_Map%20Field%20sites_w_rivers_png.png?itok=0_oMxQB8) (Source: NEON/Battelle) | |
| 1. Land Use/Cover Type: Choose an item.   Additional details about land management, vegetation, transition land covers.   |  | | --- | |  | |
| 1. Does the field site have monitoring or other existing data for above- or below-ground biogeochemical or atmospheric parameters (e.g., ground- or surface water chemistry, gas fluxes)? Choose an item.   If **Yes**, describe the distance between collection and monitoring sites and the type of data that are being collected, e.g., for surface water chemistry (DOC, base cations); for gas fluxes (CO2, CH4); pore water   |  | | --- | |  |   If **Yes**, are these data publicly available through an open web portal? Provide URL:   |  | | --- | |  | |
| 1. Is the field collection location within an existing long-term (> 5 yrs.) field research site? Choose an item. |

Please copy/paste more Field Site Characteristics boxes if necessary.