**MONet Soil Function Request Form Large Scope**

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| **Summary Research Description**  *Information about your scientific goals helps us to evaluate your responses to the 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 words]. |

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| 1. **PI and Funding Characteristics** |
| 1. What year did you earn your last degree? (optional)  |  | | --- | |  | |
| 1. Link to the executive summary of the external project.  |  | | --- | |  | |
| 1. Link to evidence of funding (if not included in the executive summary).  |  | | --- | |  | |
| 1. Duration of the external project.\*  |  | | --- | |  |   \*Must extend through the duration of the MONet project (12 months). |
| 1. Letter of support (if the proposal PI or co-PI is not the lead on the external project).  |  | | --- | |  | |
| 1. Written statement that the external project has the personnel and funds to collect samples and publish results.  |  | | --- | |  | |

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| 1. **Collection Event Characteristics** |
| 1. How many sample sets\* are you requesting? (max. of 24)  |  | | --- | |  |   \*One sample set consists of two 30 cm deep cores for biogeochemical and physical measurements as well as four 10 cm deep cores to capture surface soil heterogeneity. |
| 1. Are your sites water saturated to a depth of 30 cm?   *Soils with overlying water will not be processed.*   |  | | --- | |  | |
| 1. What environments/conditions are you comparing?  |  | | --- | |  | |
| 1. When are you able to sample? Please indicate the full range of weeks/months possible. **Keep in mind that sampling will need to happen between Sunday and Wednesday**.  |  | | --- | |  | |  | |  | |
| 1. Are you planning to sample at multiple sites? Choose an item.   If **Yes**, please indicate the approximate distance between sampling sites.   |  | | --- | |  |   If the 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 sampling dates.   |  | | --- | |  | |

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| 1. **Field Site Characteristics**   **Important:**   * + **Field site characteristics must be filled out for each sample set.**   **Your proposal will be rejected if the latitude, longitude of all sample sets is exactly the same. The exception is if a justification is given in the Summary Research Description.** |

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| **Sample Set #** | **Latitude, Longitude**  **(decimal degree notation to 4 decimal places)** | **General Location (county, nearest town & state)** | **Landowner or Manager (e.g., BLM, USDA, Washington State University)** | **Soil Taxonomy** | **Ecoregion**  [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) | **Land Use/Cover Type** | **Land Management**  **(treatments, amendments,**  **plant species, manipulations, etc.)** | **Complementary Data (description and linked URL)** |
| **Example:**  **1** | 46.3486,  -119.2777 | Richland, WA | Pacific Northwest National Lab | Aridisol | Pacific Northwest | Urban, Developed | Elevated temperature and CO2 (40 °C and 500 ppm CO2) | Soil microstructural and ion data ([link here](https://zenodo.org/communities/emsl-monet?q=&l=list&p=1&s=10&sort=newest)) |
| **1** |  |  |  | Choose an item. | Choose an item. | Choose an item. |  |  |
| **2** |  |  |  | Choose an item. | Choose an item. | Choose an item. |  |  |
| **3** |  |  |  | Choose an item. | Choose an item. | Choose an item. |  |  |
| **4** |  |  |  | Choose an item. | Choose an item. | Choose an item. |  |  |
| **5** |  |  |  | Choose an item. | Choose an item. | Choose an item. |  |  |
| **6** |  |  |  | Choose an item. | Choose an item. | Choose an item. |  |  |
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| **8** |  |  |  | Choose an item. | Choose an item. | Choose an item. |  |  |
| **9** |  |  |  | Choose an item. | Choose an item. | Choose an item. |  |  |
| **10** |  |  |  | Choose an item. | Choose an item. | Choose an item. |  |  |
| **11** |  |  |  | Choose an item. | Choose an item. | Choose an item. |  |  |
| **12** |  |  |  | Choose an item. | Choose an item. | Choose an item. |  |  |
| **13** |  |  |  | Choose an item. | Choose an item. | Choose an item. |  |  |
| **14** |  |  |  | Choose an item. | Choose an item. | Choose an item. |  |  |
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| **17** |  |  |  | Choose an item. | Choose an item. | Choose an item. |  |  |
| **18** |  |  |  | Choose an item. | Choose an item. | Choose an item. |  |  |
| **19** |  |  |  | Choose an item. | Choose an item. | Choose an item. |  |  |
| **20** |  |  |  | Choose an item. | Choose an item. | Choose an item. |  |  |
| **21** |  |  |  | Choose an item. | Choose an item. | Choose an item. |  |  |
| **22** |  |  |  | Choose an item. | Choose an item. | Choose an item. |  |  |
| **23** |  |  |  | Choose an item. | Choose an item. | Choose an item. |  |  |
| **24** |  |  |  | Choose an item. | Choose an item. | Choose an item. |  |  |

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| 1. **Compliance Requirements**    * **For each landowner or manager, paste a copy of your access agreements.**    * **An access agreement needs to be either a copy of a permit or a formal letter from the landowner explicitly authorizing collection of cores for MONet. Your proposal will be rejected if access agreements are not pasted below.** |