**Agenda**

**2023 Core Methodology Training**

**Day 1**

**February 7, 2023**

**1:00-5:30 pm Eastern**

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| **Session Name** | **Session Purpose** | **Length (min)** | **Presenter(s)** |
| Welcome and Intros  1:00-2:00 pm | Overview of Agenda  Introductions | 20 | Allison Gratz |
| Ice Breaker | Opportunity to get to know your fellow trainees and trainers. | 10 | All |
| About CMT | Purpose and context for CMT | 20 | Allison Gratz |
| CEO Welcome | Welcome from NatureServe President & CEO | 10 | Sean O’Brien |
| Introduction to NS & the Network  2:00-2:30 pm | Provide overview of NatureServe Network mission, goals, how we work together as a network, and strategic direction to contextualize the rest of the training. | 30 | Misty Nelson |
| Break |  | 5 |  |
| Data to Decisions Life Cycle  2:35-3:35 pm | Application of Network Data to Conservation Decision-Making: Data to Decisions Life-Cycle, NS Explorer/Explorer Pro (and link to ERTs), and other  Science Applications and Analysis | 60 | Regan Smyth |
| Break |  | 5 |  |
| Introduction to Methodological Concepts  3:40-5:10 pm | Orient trainers to NatureServe methodology concepts including: prioritizing elements of biodiversity, spatial data, species and ecosystem assessment (EORANK), mapping, and status assessments (G-rank, S-rank) | 90 | Don Faber-Langendoen & Chris Tracey |
| Day Wrap Up | Review Upcoming Sessions  Feedback From attendees | 20 | Allison Gratz |

**Day 2**

**February 8, 2023**

**1:00-5:30 pm Eastern**

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| **Session Name** | **Session Purpose** | **Length (min)** | **Presenter(s)** |
| Methodology for Developing Spatial Features for Documented Occurrences  1:00-2:30 pm | Overview of the processes to develop source features, EOs and other data attributes. Covers required concepts for data collection and Biotics portions of CMT | 90 | Whitney Weber |
| Break |  | 10 |  |
| Taxonomic Concepts and Classifications  2:40-3:40 pm | Provide overview of NS taxonomic work & priorities, and the framework for how central and local collaborate to keep taxonomy reconciled | 60 | Don Faber-Langendoen & Bruce Young |
| Break |  | 10 |  |
| Introduction to the Observation Life Cycle  3:50-5:20 pm |  | 90 | Whitney Weber |
| Daily Wrap Up | Review Upcoming Sessions  Feedback from Attendees | 10 | Allison Gratz |

**Days 3&4**

**Feb 9 & 14, 2023**

**Ranking Session**

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| **Session Name** | **Session Purpose** | **Length (min)** | **Presenter(s)** |
| Overview of Element Ranking  1:00-2:00 pm | To understand the fundamental concepts, procedures, and tools needed to assign a conservation status rank (global & subnational) | 60 | Don Faber-Langendoen & Bruce Young |
| Break |  | 5 |  |
| Element Ranking Exercises, Breakouts & Results  2:05-3:35 pm | Present ranking exercises, breakouts, Review polls and discuss differences in ranks | 90 | Don Faber-Langendoen & Bruce Young |
| Break |  | 5 |  |
| Element Occurrence Ranking Exercises, Breakouts & Results  3:40-5:30 | To understand the fundamental concepts & challenges around the assessment of an EO, and to gain hands-on EO ranking experience through ranking exercises | 110 | Don Faber-Langendoen |
| Attendee Feedback |  |  | Misty/Allison |

**Biotics Session**

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| **Session Name** | **Session Purpose** | **Length (min)** | **Presenter(s)** |
| Intro to Biotics Map: Map Resources, Map Tools, and Map Navigation  1:00-2:30 pm | To learn, via demonstrations and hands-on mapping exercises, components of the Biotics Map, including the use of Resources, Tools, and Navigation. These are all skills which will be applied to Create Source Features and EOs in the following session.  Optional Advanced User Room | 90 | Whitney Weber |
| Break |  | 10 |  |
| Creating Source Features & EOs in Biotics  2:40-4:10 pm | To understand the fundamental concepts, procedures, and tools used in the Biotics Map and needed to create/edit a Source Feature and EO. Gain hands-on mapping experience through mapping exercises, preceded by demonstrations.  Optional Advanced User Room | 90 | Whitney Weber |
| Break |  | 10 |  |
| Biotics Working Session  4:20-5:20 pm | Wildcard searches: '%Glypt%'\*\* | 60 | Whitney Weber |
| Attendee Feedback |  | 10 | Misty/Allison |

**Day 5**

**February 15, 2023**

**1:00-5:30 Eastern**

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| **Session Name** | **Session Purpose** | **Length (min)** | **Presenter(s)** |
| Biotics Office Hours/Working Session  1:00-2:15 pm | Optional session to ask questions, review homework/exercises | 75 | Whitney Weber |
| Break |  | 5 |  |
| Ranking office Hours/Working Session  2:20-3:35 pm | Optional session to ask questions, review homework/exercises | 75 | Don Faber-Langendoen & Bruce Young |
| Break |  | 10 |  |
| Species Habitat Modeling Breakout  3:45-5:15 | SHM Program. Overview, Introduce Standard, Hands On Demo for Network involvement (MIRT and MORT hands on exercise) Demo | 90 | Gio Rapacciuolo |
| Daily Wrap Up | Attendee Feedback | 15 | Allison Gratz |

**Day 6**

**February 16, 2023**

**1:00-4:30 Eastern**

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| **Session Name** | **Session Purpose** | **Length (min)** | **Presenter(s)** |
| Ecology Discussion | Overview of Ecology program and communication with Network.  Discuss classifications and crosswalks, element ranking, EO aggregation, Ecological Integrity Assessment (EIA) methodology, observations (including plot data and polygons), and maps. As desired, introduce assessment methodologies, such as Habitat Climate Change Vulnerability Assessments, Habitat models, and ecological site models. | 180 | Don Faber- Langendoen |
| Species Science Discussion | Discuss communication avenues available to network botanists and zoologists, go over in-depth issues with EO delineation and ranking, explore use of the threats grid for element ranking, review common element ranking errors, and then discuss trainees’ questions about ranking, taxonomy, observations, field surveys, EOs, and models. | 180 | Bruce Young & Tara Littlefield |
| In-depth Biotics Training | Demonstrate using the data collected via the Observation survey to create EOs. Use the Toolboxes to prepare the data and subsequently Bulk Create SFs and EOs in Biotics. | 225 | Whitney Weber |