

Upcoming Opportunity: Participate in Agent-based Modeling Course Developed for Restoration Planning

Dr. Todd Swannack and Ms. Carra Carrillo will be offering a weeklong training course on agent-based modeling and applications for ecosystem restoration. Please contact Dr. Swannack if you would like to participate. Tentatively course will be in Galveston, TX, dates to be determined.

Agent-based modeling is a powerful tool that can be used for quantifying ecological response across multiple temporal and spatial scales. However, it is rarely used in USACE restoration projects due to a lack of available training. This curriculum provides a strong foundation for agent-based ecological modeling and will be offered to USACE districts to improve their ecological modeling practices.

This upcoming training is building off the graduate course *Agent-based Modeling and Ecology* taught by Dr. Swannack and Ms. Carrillo at Oregon State University last FY. This class covered the concepts and theories of bottom-up, individual-based modeling for applications in ecosystem management and restoration research. Students received 3 hours credit and were exposed to a variety of techniques using this modeling approach. Each student took an original idea from conceptualization through implementation into software into a working model by the end of the week.

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