A Brief Introduction to the New Repast Simphony Toolkit

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Repast is a widely used free and open source agent-based modeling and simulation toolkit. Repast offers components for developing agents and creating agent environments as well for as initiating, executing, and tracking simulations. Several different Repast platforms are available including Repast for Java (Repast J), Repast for Python Scripting (Repast Py), and Repast for the Microsoft .NET framework (Repast .NET). Repast J, Repast Py, and Repast .NET can all be freely downloaded from the Repast web site (http://repast.sourceforge.net/). The latest toolkit, Repast Simphony (Repast S), will extend the Repast portfolio by offering a new approach to simulation development and execution. This presentation will briefly introduce Repast S and discuss how the free and open source Repast S toolkit fits within the larger Repast portfolio.