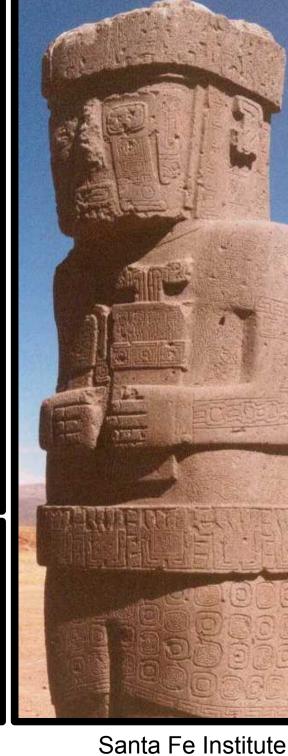
Towards an Economic Geography of State Emergence

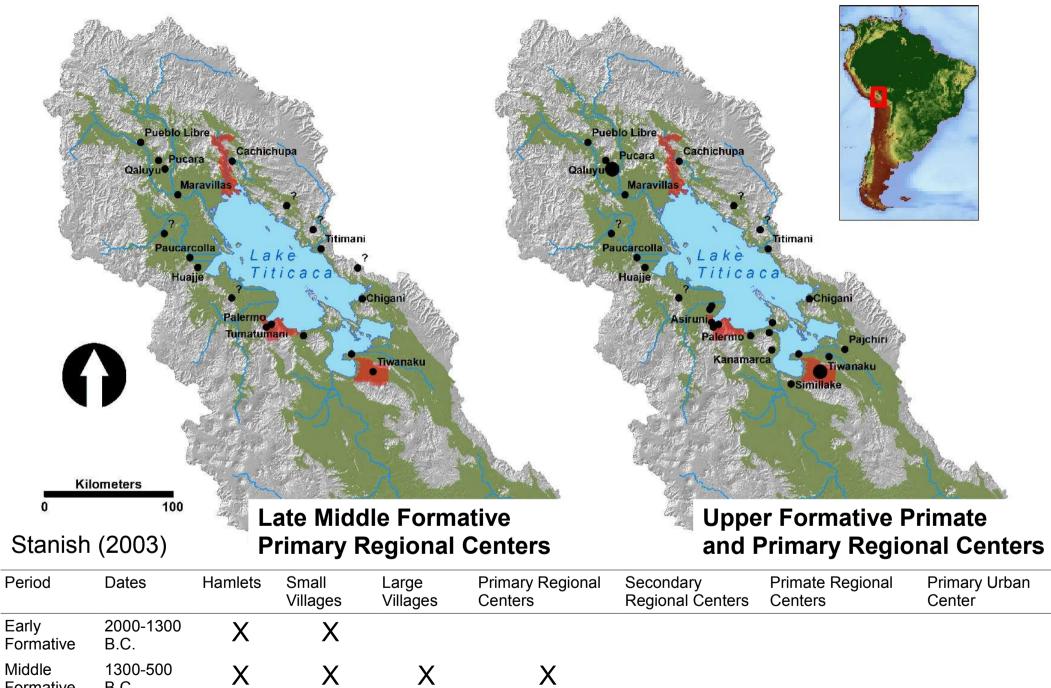






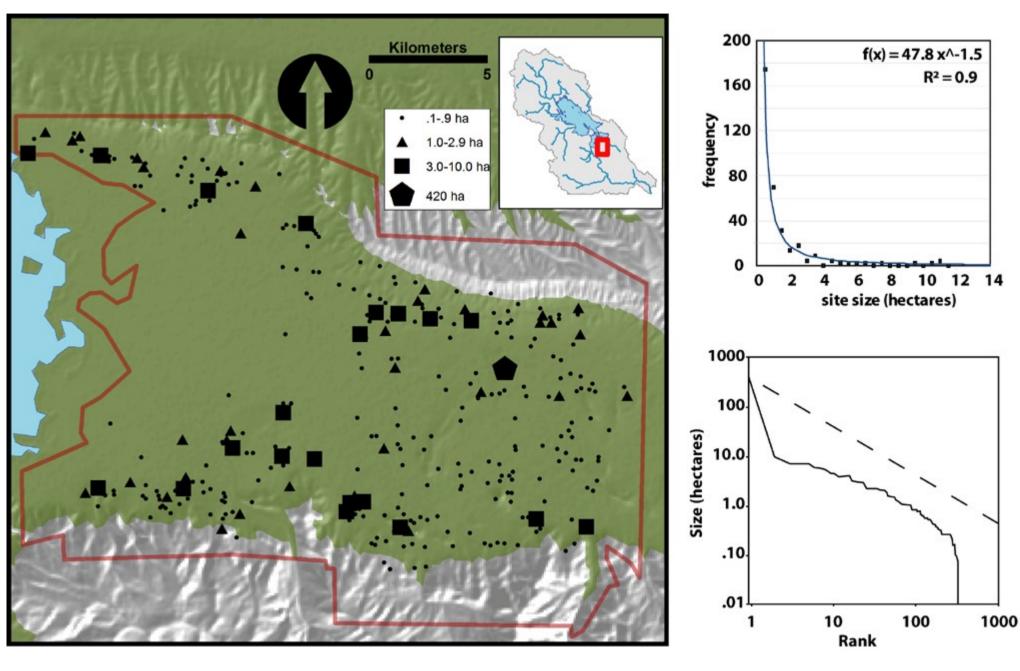
Jeremy Barofsky, Randy Haas, and Jacopo Tagliabue Complex Systems Summer School

Santa Fe Institute 3 July 2009



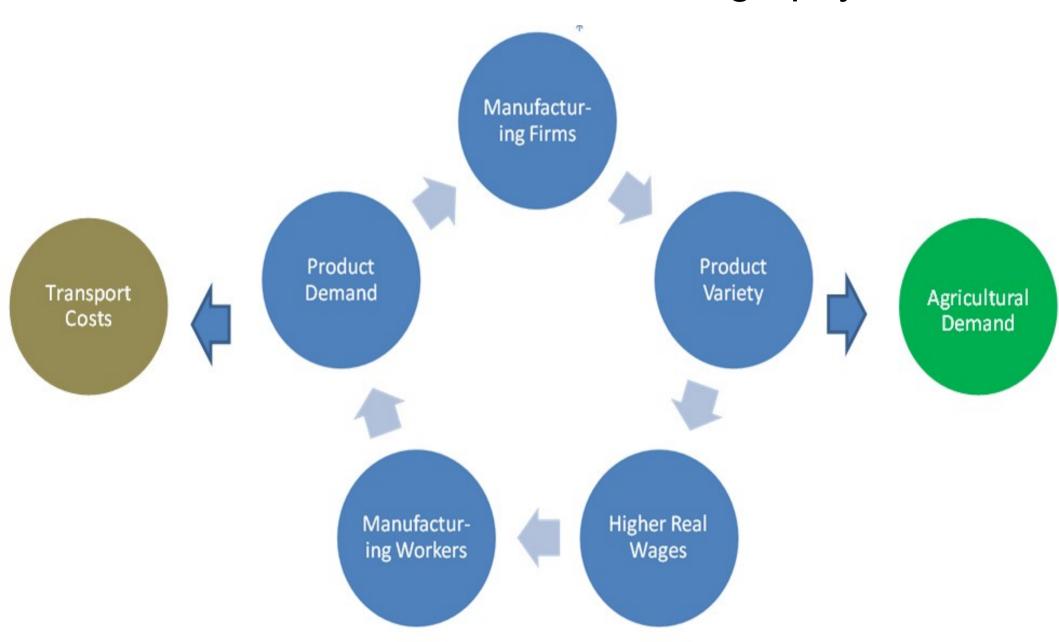
Fenou	Dates	Hamilets	Villages	Villages	Centers	Regional Centers	Centers	Center
Early Formative	2000-1300 B.C.	X	X					
Middle Formative	1300-500 B.C.	X	X	X	X			
Upper Formative	500 B.C A.D. 400	X	X	X	X	X	X	
Tiwanaku	A.D. 400- 1000	X	X	X	X	X	X	X

Tiwanaku Period Settlement Distribution Sample



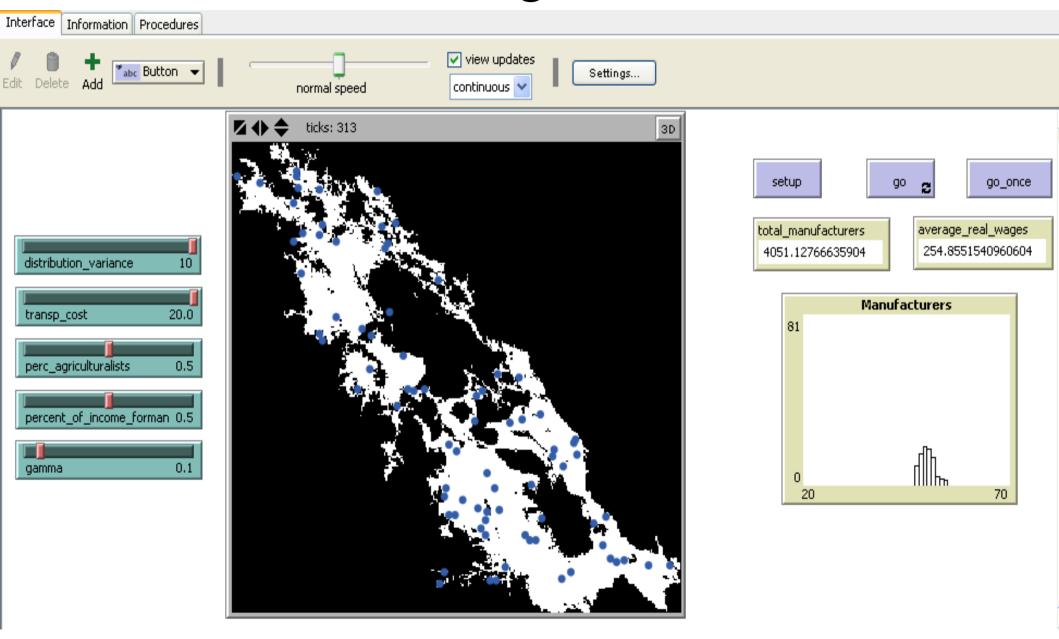
McAndrews et al. (1997)

Framework for an Economic Geography ABM

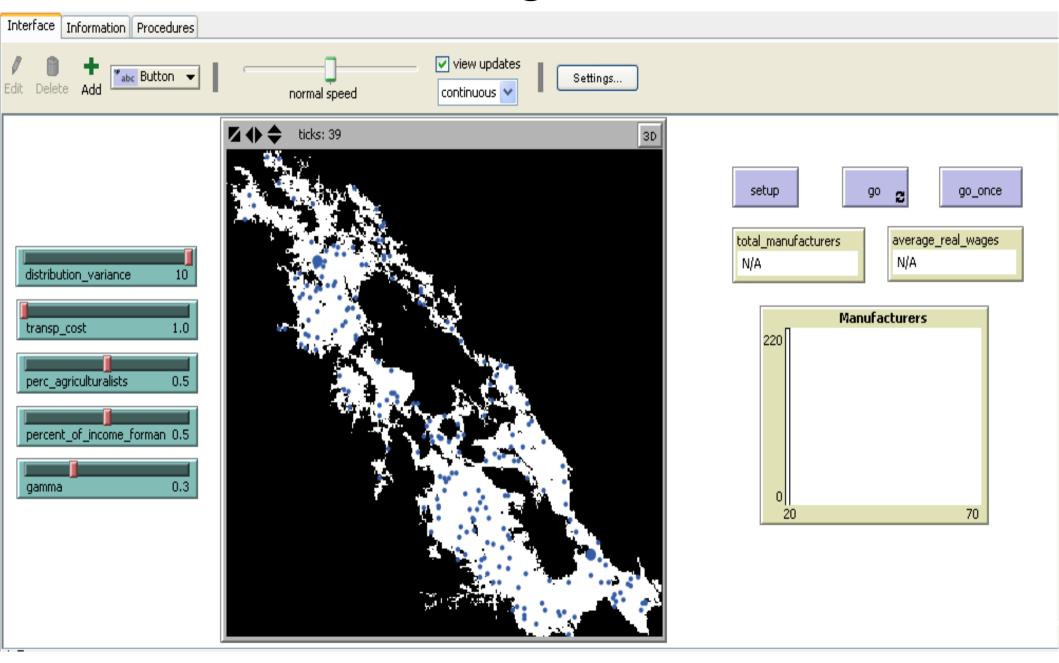


Krugman (1991), Fujita et al. (1999)

Working Model



Working Model



References Cited

Fujita, M., Krugman, P. and Venables, AJ.

1999. The Spatial Economy. MIT Press.

Krugman, Paul

1991 Increasing Returns and Economic Geography. Journal of Political Economy 99(3):483-499.

McAndrews, Tomothy, Juan Albarracin-Jordan, and Marc Bermann 1997 Regional Settlement Patterns in the Tiwanaku Valley of Bolivia. Journal of Field Archaeology 24:68-83.

Stanish, Charles

2003 Ancient Titicaca: The Evolution of Complex Society in Southern Peru and Northern Bolivia. University of California Press, Berkeley.

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