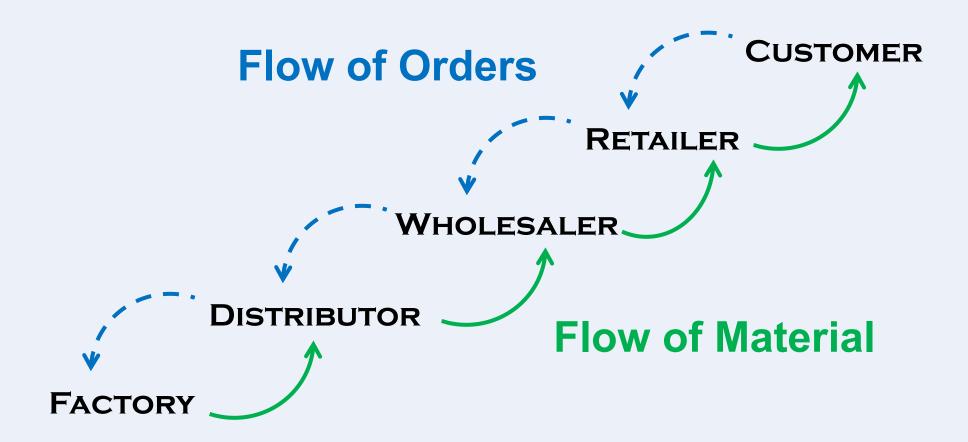


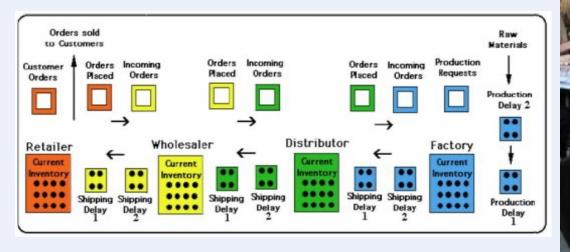
Where to get files and information:

File / Item	Link
BGOS website (all decks can be requested)	BeerGameOnSteroids.com scmblox.com/beer-game-on-steroids
BGOS LinkedIn page (has all decks for you to grab)	www.linkedin.com/company/beer-game-on-steroids
BGOS installation file (or email me and I'll provide it)	https://www.dropbox.com/scl/fi/slh72u322brxjqmpmz7uk/BGOSInstaller.msi?rlkey=ccwjhju63vcn1pmagoqs887u1&e=2&st=p14w4q59&dl=0
J. Chris White	jchriswhite@gmail.com www.linkedin.com/in/j-chris-white-4417b61/
scmBLQX	scmblox.com

The Basic Beer Game



In-Person Beer Game Example



Multiple online versions: search "online beer game"

The Beer Game



Students at MIT Sloan School of Management playing the beer game, a role-playing simulation designed to teach principles of management science

Photo Credit: Courtesy of MIT Sloan School of Management

Lessons from the Beer Game

- No matter who plays the game, the results are the same:
 - Most teams end up 10X to 20X the optimal results.
 - <u>Bullwhip effect</u>: small fluctuations at the Retailer grow to large fluctuations for the Factory.
 - Everyone attempting to optimize their own performance leads to failure.
 - Even with the best intentions, the result is failure.

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The structure of a supply chain determines its performance.

Overview and Purpose of BGOS

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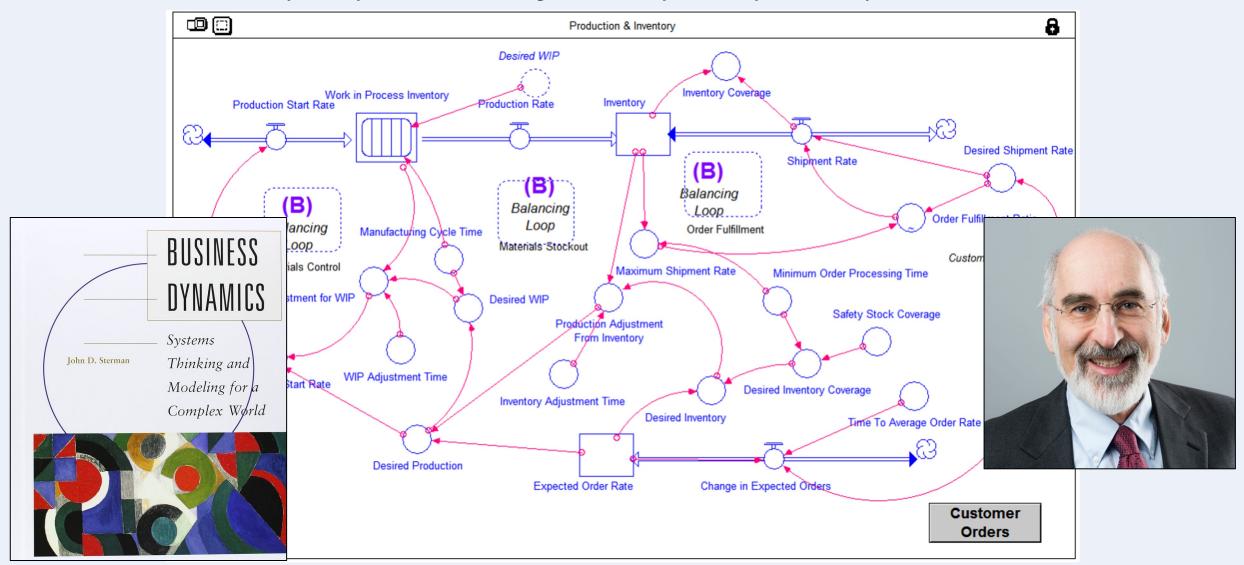
What is the purpose of BGOS?

- Create more complex supply chains.
- Explore how supply chains under a variety of conditions.
- Increase a student's intuition of supply chain "physics" due to structure.

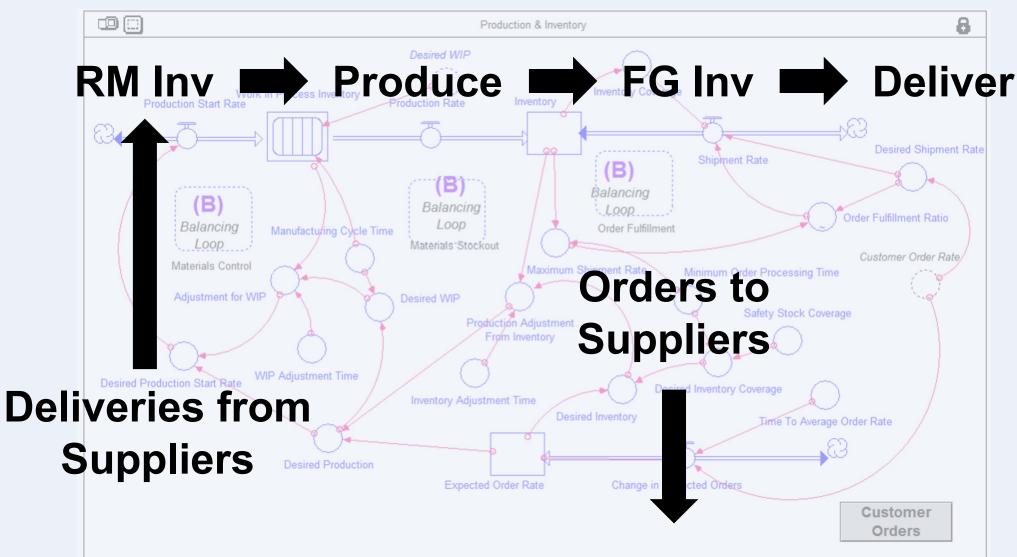
Typical Instruction Approach

- Student teams play the original Beer Game.
- Student teams build the original Beer Game in BGOS.
- Student teams run additional scenarios to observe more dynamics.
 - Ex: Impose additional demand patterns.
 - Ex: Modify the processing times of entities in the chain.
- Student teams expand on the original Beer Game to observe more dynamics.
 - Ex: Add an additional distribution center in the chain.
 - Ex: Add a second factory in the chain with its own distributors.
- Student teams report their findings and what they learned.

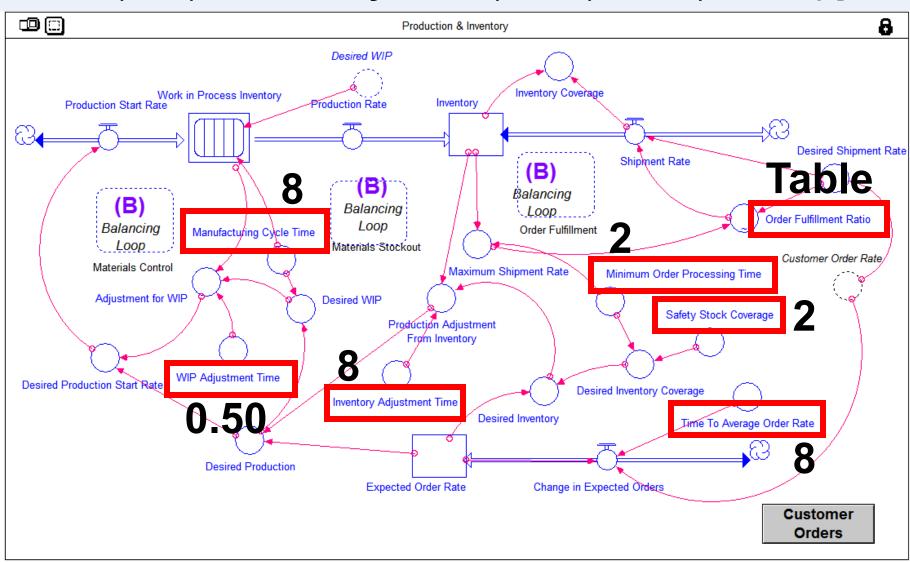
"Widget" Production Model



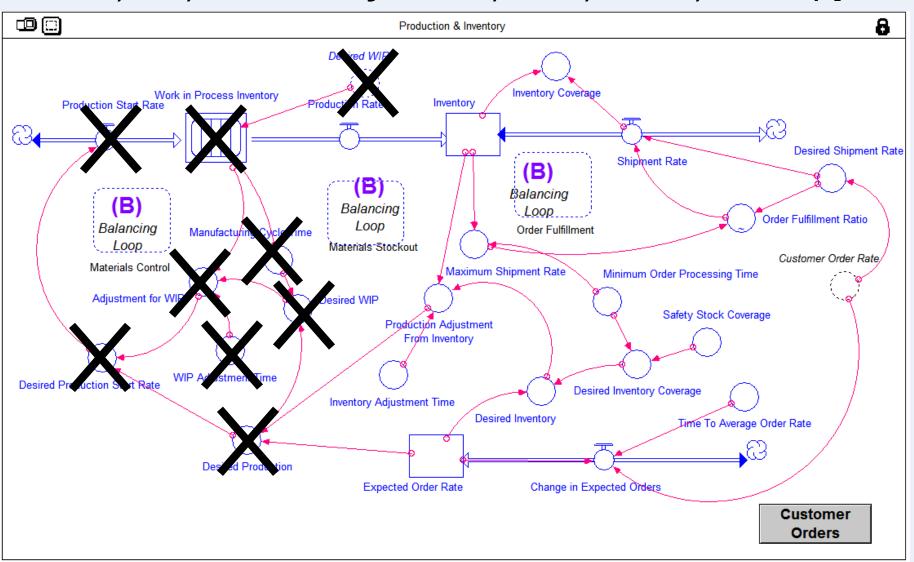
"Widget" Production Model



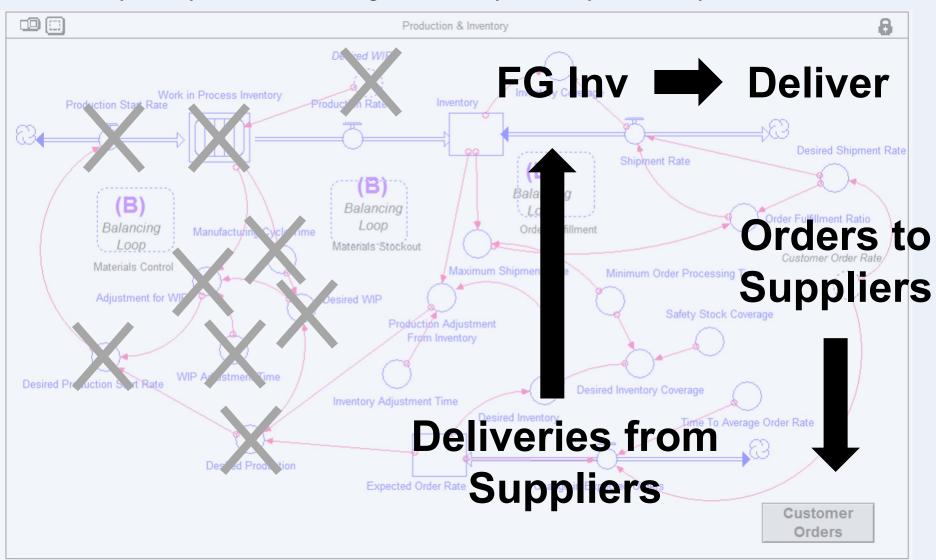
"Widget" Production Model - Default



"Widget" Warehouse Model

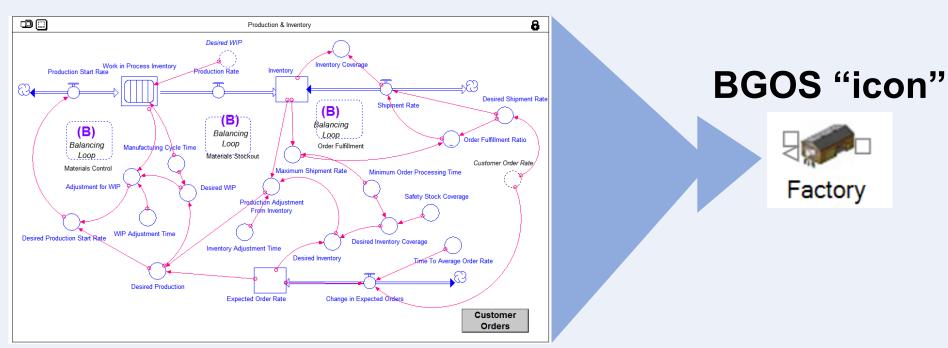


Widget Warehouse Model

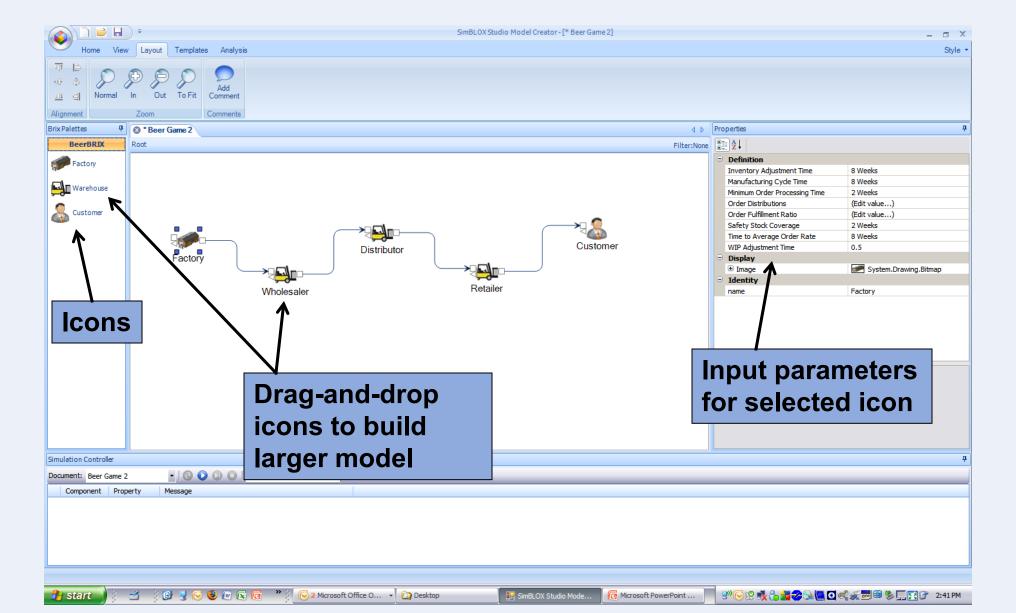




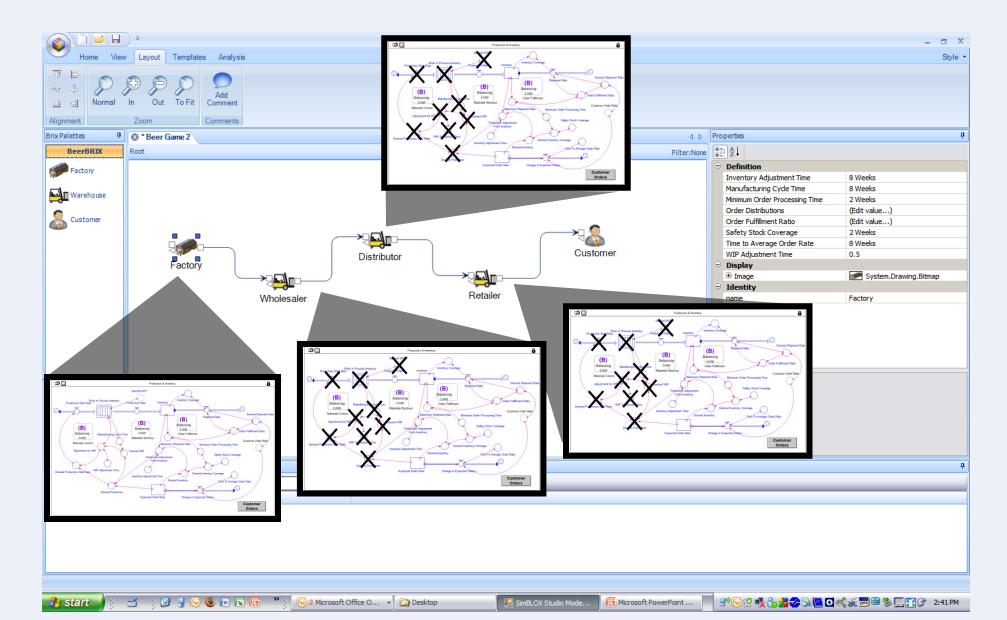
Simulation "agent" model



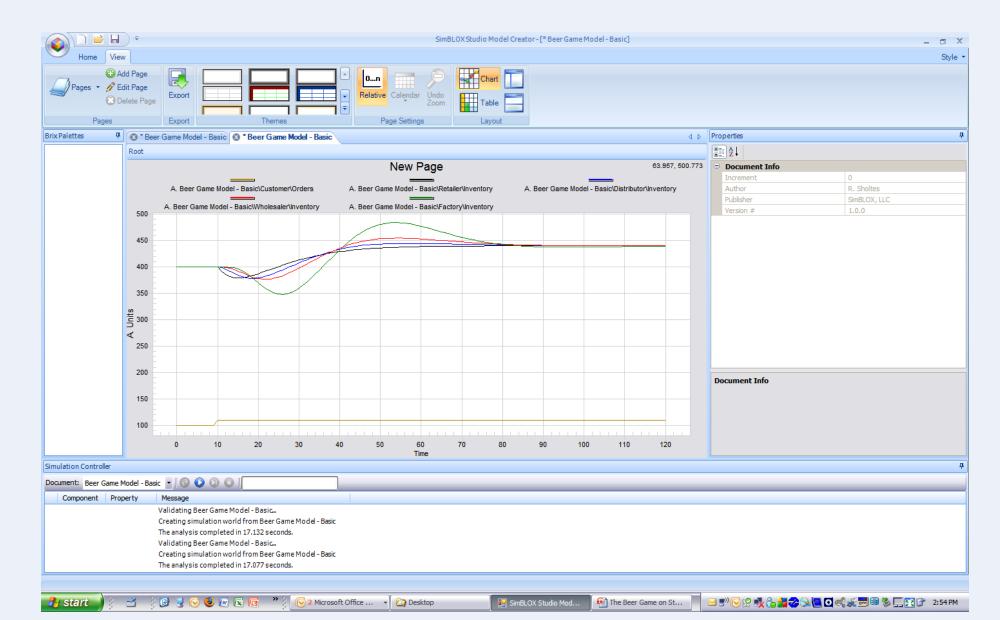
BGOS Interface



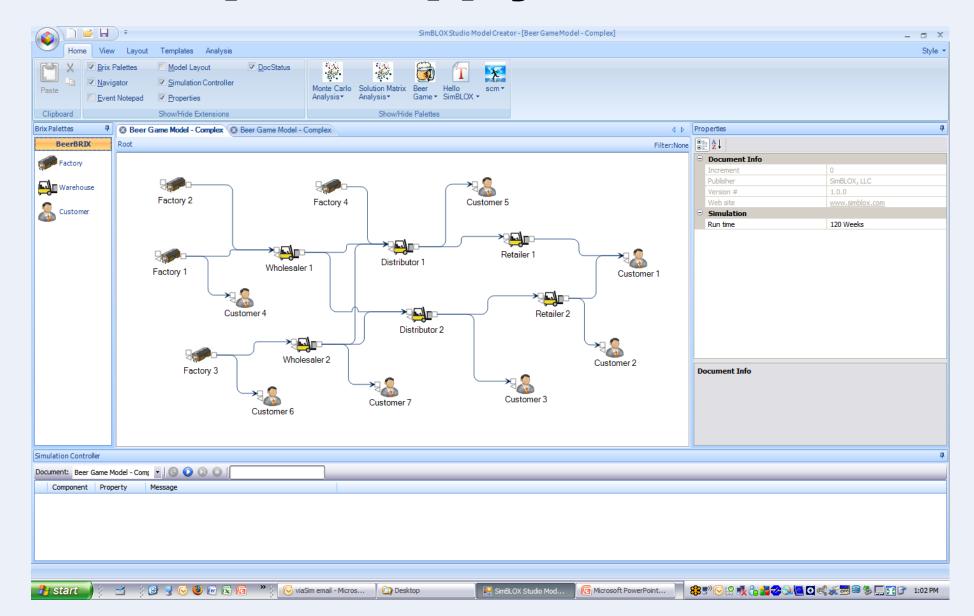
BGOS Interface



Basic Beer Game Simulation Results



More Complex Supply Chain



More Complex Supply Chain Results



Demo of the Beer Game

Thank you!!! Questions?

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J. Chris White	jchriswhite@gmail.com www.linkedin.com/in/j-chris-white-4417b61/
scmBLQX	scmblox.com