

SEEK - Bug #1336

create ecology specific pipelines

02/09/2004 11:07 AM - Chad Berkley

Status:	New	Start date:	02/09/2004
Priority:	Normal	Due date:	
Assignee:	Mark Schildhauer	% Done:	0%
Category:	beam	Estimated time:	0.00 hour
Target version:	Postpone	Spent time:	0.00 hour
Bugzilla-Id:	1336		
Description we need to build more ecology specific pipelines for kepler. these should be the general text book type models like the lotka-volterra one that we build in SEV. Rich and Mark had a long list of ones that they wanted to implement...could you guys please add a list here in bugzilla?			

History

#1 - 02/11/2004 11:27 AM - Rich Williams

Drawing mainly from Roughgarden (1998) "Primer of Ecological Theory" and Gotelli (1998) "A Primer of Ecology", additional ecological models include:

- Population models:
- Logistic models
- Age-structured population growth
- Community Models:
- Lotka-Volterra competition models with 2 and 3 species
- Predator-prey models - Lotka-Volterra models with 2 and 3 species
- Pred-prey models with resource growth limitation and predator satiation.
- Nicholson-Bailey host-parasitoid model
- Host-pathogen models
- Metapopulation dynamics models (Levins 1970 and extensions)
- Ecosystem models:
- Niche spacing
- Succession
- Species-area and island biogeography
- Biogeochemical cycles

#2 - 01/20/2005 09:44 AM - Chad Berkley

reassigning to schildhauer because rich is no longer working with us. Dan can probably work on this too.

#3 - 03/27/2013 02:16 PM - Redmine Admin

Original Bugzilla ID was 1336