

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