

*General Objective: To provide a broad ecosystem context for interpretation of the population dynamics of Georges Bank GLOBEC target species.*

*Specific objectives:*

- *Examine alternate model outcomes of GLOBEC and GLOBEC-related studies*
- *Examine the mechanisms forcing changing patterns of energy flow on Georges Bank*

*With explicit consideration of factors not addressed in earlier models of the system:*

- *Sources and fates of new production on Georges Bank*
- *The role of the microbial food web in Georges Bank production processes*
- *Secondary production processes, including the apparent secondary production deficit*
- *Changes in invertebrate and vertebrate predator biomass and shifts in predator species composition in the context of population dynamics of GLOBEC target organisms*
- *Effects of environmental forcing on production processes during contrasting (~ decadal) time periods*