

Currency

Spatial structure Time step

Oceanography

Trophic Groups

Age structure

Nitrogen cycling

Functional respo

Reproduction

Movement

Fishing

In summar

Atlantis Ecosim OSMOSE



	Nitrogen	Biomass	Individuals
9	Dedicated (polygons)	None	Grid
	12 hr	Monthly	Weekly
	Yes (e.g. links to ROMS model)	V5 No, V6 yes (model coupling)	Yes, forcing/coupling (e.g. ROMS)
	~60: vert., plankton, benthos, prim. producer	<100: vert., plankton, benthos, vert., prim. producer	~10, typically forage and demersal fish
	Vertebrates: 10 age classes	"Multistanza" age classes	Cohorts
I	Nitrogen cycling	None	None
onse	Holling Type I,II,III, others	"Foraging Arena": implicit refuges	Size-based predation and max ingestion rate
	Ricker, Beverton, fixed #/adult, others	Biomass growth rate w/ compensation in juveniles	Based on fecundity and SSB=f(predation efficiency)
	Foraging and seasonal	Seasonal	Foraging and seasonal
	Spatial: Fleets' catch, effort, or F	Fleets' catch, effort, or F	Non-spatial fishing mortality rates
ſУ	Flexible	Fast, stakeholder game playing	IBM, focused on forage+demersal fish
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