

Management in the FORMASAM FLMs

	LANDIS-II	TreeMig	LandClim	iLand
Key references (model, management)	Gustafson et al. (2000) Scheller et al. (2007), Creutzburg et al. (2016)	Lischke et al. (2006)	Schumacher et al. (2004), Temperli et al. (2012)	Seidl et al. (2012), Rammer and Seidl (2015)
Grain of mgmt intervention	Age cohort	Height cohort	Dbh cohort	Tree
Spatial variation in mgmt on the landscape?	Yes	[Yes]	Yes	Yes
Dynamic adaptation of mgmt to emerging conditions?	Yes	[Yes]	No	Yes

Silvicultural measures

	LANDIS-II	TreeMig	LandClim	iLand
Planting	Yes (single or multiple species)	[Yes]	Yes (single or multiple species)	Yes (single or multiple species)
Thinning	Yes (based on age cohorts)	[Yes]	Yes (based on tree size)	Yes (based on tree size and position)
Final felling	Yes (different spatial patterns between cells)	[Yes]	Yes (different spatial patterns between cells)	Yes (different spatial patterns within and between cells)
Coppice	Yes	No	No	Yes
Target diameter harvesting / continuous cover regimes	Yes	[Yes]	No	Yes

Societal demands

	LANDIS-II	TreeMig	LandClim	iLand
Can sustainability criteria be observed?	[Yes]	[Yes]	No	Yes
Can mgmt respond to changing societal demands?	Yes	[Yes]	No	Yes
Which ecosystem services can be directly derived from model output?	Carbon, timber, livestock, tourism, aboveground biomass, N cycle, NTFP, aesthetic value, recreation value	Timber production, biodiversity/habitat, protection against rockfall, landscape beauty	Timber production, biodiversity, habitat, rockfall and avalanche protection	Timber production, climate regulation, biodiversity, water regulation, regulation of soil loss