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Accessory Publication

Accessory Publication. Table A1. Catchment models together with details of the respective developers (in alphabetical order). Models were evaluated in terms of their ability to simulate the effects of climate change on fisheries/aquaculture

OS – Operation System; W – WINDOWS; U – UNIX; L – LINUX; M – MAC OS; F – FORTRAN; C; C#

Models	Domain	Developer	Language	OS	Processes represented	Open Source	Ability to simulate requirements	Website
Atlantis	Estuarine/ Marine	CSIRO Marine and Atmospheric Research	ANSI C	W, U	Physics, biogeochemistry, ecology	Yes	Able	http://www.csiro.au/science/Atlantis-ecosystem-model.html
AnnAGNPS	Catchment / Freshwater	United States Department of Agriculture	F	W	Land-use, hydrodynamics, transport, physics, biochemistry	Yes	Able	http://www.ars.usda.gov/Research/docs.htm?docid=5222
Basins	Catchment / Freshwater	United States Environmental Protection Agency	F	W	Land-use, hydrodynamics, transport, physics, biochemistry, biology	Yes	Able	http://water.epa.gov/scitech/datait/models/basins/index.cfm
Caedym	Catchment / Freshwater and Estuarine / Marine	Centre for Water Research, University of Western Australia	F	W, L, M	Physics, biochemistry, biology	Yes	Able	http://www.cwr.uwa.edu.au/software1/models/caedym/caedym.php

Delft3D-ECO	Receiving Waters	Deltares	F	W, L	Hydrodynamics, transport, physics, biogeochemistry	No	Not able	http://delftsoftware.wldelft.nl/index.php?option=com_content&task=blogcategory&id=13&Itemid=34
Elcom	Catchment / Freshwater and Estuarine / Marine	Centre for Water Research, University of Western Australia	F	W, L, M	Hydrodynamics, transport	Yes	Able	http://www.cwr.uwa.edu.au/~dallimor/Presentations/ELCOM/ELCOMIntro.html
EMS	Receiving Waters	CSIRO Marine and Atmospheric Research	C	U	Hydrodynamics, transport, Physics, Biogeochemistry	Yes	Able	http://www.emg.cmar.csiro.au/www/en/emg/software/EMS.html
InVitro	Catchment / Estuarine / Marine	CSIRO Marine and Atmospheric Research	C	L,M	Land-use, physics, biogeochemistry, ecology, human activities in riparian and marine areas	Yes	Able	http://www.cmar.csiro.au/research/mse/invitro.htm
Lascam	Catchment / Freshwater	Centre for Water Research, University of Western Australia	F	W, L, M	Land-use	Yes	Not able	http://www.cwr.uwa.edu.au/~contract/web_new/ttfadmin/model/lascam/lascam.html
Mike SHE - EcoLab	Catchment / Freshwater	Danish Hydraulic Institute (DHI)	C, C#, F	W	Land-use, hydrodynamics, transport, physics, biochemistry, biology, ecology	Yes**	Able	http://www.mikebydhi.com/Products/ECOLab.aspx
Mike 3-EcoLab	Estuarine / Marine	Danish Hydraulic Institute (DHI)	C, C#, F,	W	Hydrodynamics, transport, physics, biogeochemistry, ecology	Yes**	Able	http://www.mikebydhi.com/Products/CoastAndSea/MIKE3.aspx
Sednet / Annex	Catchment /	CSIRO Land and	C#	W	Land-use	Yes	Not able	http://www.csiro.au/science/ps2jc.html#2

	Freshwater	Water/Catchment Hydrology CRC						
Sobek	Catchment / Freshwater	Deltares	F	W, L	Land-use, hydrodynamics, transport	No	Not able	http://delftsoftware.wldelft.nl/index.php?option=com_content&task=blogcategory&id=15&Itemid=35
E2	Catchment / Freshwater	CSIRO Land and Water/eWater CRC	C#	W	Land-use	Yes	Able	http://www.toolkit.net.au/Tools/E2

*It was not specified in detail the language used in each DHI product.

** Source codes could be available through a development agreement with DHI.