

Integrated Water Resource Management tools



ID	Tool	Language used	Accessibility	Degree of usage	Focus	General use	Inputs	Skills	Outputs	Example of users	Source	WEB address (access period: April 2020)
10	Methods and Tools for a system Approach	[EN], [ES]	Paid services	Globally used	Integrated Water Resources Management (IWRM)	Describes the 'systems approach' and its application to contemporary water resources management,	Field based data	Modelling	Implementation pathway	UNESCO	UNESCO	http://publishing.unesco.org/details.aspx?Code_Livre=4658&change=E
					NA	Simulation, optimization and multi-objective analysis	NA	NA	Progress evaluation			
13	WaterWorld	[EN]	Easy to access	Globally used	IWRM	To understand the hydrological and water resources baseline and water risk factors associated with specific activities under current conditions and under scenarios for land use, land management and climate change	Spatial data	GIS	Economic valuation	UNEP-WCMC, Valuing the Arc project, Birdlife International, Conservation International, RSPB international...	King's College London, AmbioTEK	http://www.policysupport.org/waterworld
					Governance & Accountability	Water security analysis	Field based data	Skills in ecology	Implementation pathway			
					Adaptive management	Hydrological ecosystem services accounting	Existing data	Modelling	NA			
16	InVEST software platform	[EN], [ES], [CH]	Easy to access	Globally used	IWRM	Impact of climate extremes on hydrological ecosystem services	Spatial data	GIS	Economic valuation	Worldwide	Natural Capital Project	<https://naturalcapitalproject.stanford.edu/software/invest/> ; <https://naturalcapitalproject.stanford.edu/software/invest-models/water-purification/>
						Land-sea interaction modelling	NA	NA	Ecologic valuation			
						Assess the service of nutrient retention by natural vegetation	NA	NA	NA			
20	Water Games	[EN]	Easy to access	Globally used	Participatory management	Teaching, learning, and practicing sustainability through serious games	Role playing game	Training	Informed decision making	Worldwide	International Institute for Applied Systems Analysis (IIASA), Centre for Systems Solutions	https://games4sustainability.org/water-games/
					Social justice	NA	Stakeholder-based input	Skills in stakeholder's involvement	Citizen awareness			
					Adaptive management	NA	NA	Participatory processes	Economic valuation			
					Community engagement	NA	NA	NA	Progress evaluation			
					Governance & Accountability	NA	NA	NA	Ecologic valuation			
					Transboundary Water	NA	NA	NA	NA			
					IWRM	NA	NA	NA	NA			
Institutional cooperation	NA	NA	NA	NA								
24	Dynamic Water Resources Assessment Tool (DWAT)	[EN]	Easy to access	Globally used	Water Risk Assessment	Assessment of land-use changes overtime	Existing data	GIS	Economic valuation	World Meteorological Organization (WMO)	World Meteorological Organization (WMO)	https://public.wmo.int/en/water/dynamic-water-resources-assessment-tool
					Adaptive management	NA	Field based data	Modelling	Progress evaluation			
					Governance & Accountability	NA	Spatial data	NA	Ecologic valuation			
					IWRM	NA	Satellite based data	NA	Satellite based interpretation			
					NA	NA	NA	Map				