

# Tools for “Adaptive management” in the water sector



ID	Tool	Language used	Accessibility	Degree of usage	Focus	General use	Inputs	Skills	Outputs	Example of users	Source	WEB address (access period: April 2020)
1	CoOPLaAGE	[EN], [FR]	Easy to access	Locally used	Participatory management	Multiple stakeholder's discussion and engagement	Stakeholder-based input	Skills in stakeholder's involvement	Implementation pathway	CIRAD, DG/GREE, INRGREF, LISODE, Danone AQUA, CSIR...	UMR Gestion de l'Eau, Acteurs et usages (G-EAU) ; IRSTEA-CIRAD	<a href="https://sites.google.com/site/watagame2/cooplaage-tools">https://sites.google.com/site/watagame2/cooplaage-tools</a>
					Social justice	Decision procedure	Field based data	Participatory processes	NA			
					Adaptive management	NA	Role playing game	Modelling	NA			
					NA	NA	Existing data	Decision procedure	NA			
2	Stratégie participative pour la gestion de l'eau	[FR]	Easy to access	Locally used	Participatory management	Multiple stakeholder's discussion and engagement	Stakeholder-based input	Skills in stakeholder's involvement	Implementation pathway	SAGE, CLE, SLGRI, PAPI, PPRI, PGRE, ASA, OUGC, CCSPL...	Institut National de Recherche en Sciences et Technologies pour l'Environnement et l'Agriculture (IRSTEA) & Agence de l'Eau Rhône Méditerranée Corse (AERMC)	<a href="https://www.sauvonsleau.fr/jcms/e_17247/quel-est-vostra-ville-locale-de-l-eau-avec-les-citoyens-#XpSAR8gzbGh">https://www.sauvonsleau.fr/jcms/e_17247/quel-est-vostra-ville-locale-de-l-eau-avec-les-citoyens-#XpSAR8gzbGh</a>
					Social justice	Decision procedure	Field based data	Participatory processes	NA			
					Adaptive management	Participatory methods	NA	NA	NA			
					NA	State of knowledge	NA	NA	NA			
12	Water Integrity Network set of tested Tools	[EN]	Easy to access	Globally used	Participatory management	Engage stakeholders,	Stakeholder-based input	Skills in stakeholder's involvement	Implementation pathway	Worldwide	Water Integrity Network	<a href="https://www.waterintegritynetwork.net/integrity-tools/">https://www.waterintegritynetwork.net/integrity-tools/</a>
					Adaptive management	Assess their needs and issues,	Field based data	Participatory processes	Quality of services valuation			
					Community engagement	Create action plans	Existing data	Decision procedure	Economic valuation			
					Governance & Accountability	Facilitator / coach tips & Materials	NA	NA	Informed decision making			
					Capacity building	NA	NA	NA	Capacity building			
					Institutional cooperation	NA	NA	NA	Progress evaluation			
Social justice	NA	NA	NA	NA								
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	<a href="http://www.policysupport.org/waterworld">http://www.policysupport.org/waterworld</a>
					Governance & Accountability	Water security analysis	Field based data	Skills in ecology	Implementation pathway			
					Adaptive management	Hydrological ecosystem services accounting	Existing data	Modelling	NA			
15	Interdisciplinary Decision Support Dashboard (IDSD)	[EN]	Easy to access	Locally used	Participatory management	Ecosystem service monitoring system	Spatial data	GIS	Ecologic valuation	Conservation International, Missouri Botanical Garden, Smithsonian Institution, Wildlife Conservation Society	Tropical Ecology Assessment and Monitoring (TEAM) Network, Conservation International, Missouri Botanical Garden, Smithsonian Institution, Wildlife Conservation Society	<a href="https://www.researchgate.net/publication/260635934_Interdisciplinary_Decision_Support_Dashboard_A_New_Framework_for_a_Tanzanian_Agricultural_and_Ecosystem_Service_Monitoring_System_Pilot">https://www.researchgate.net/publication/260635934_Interdisciplinary_Decision_Support_Dashboard_A_New_Framework_for_a_Tanzanian_Agricultural_and_Ecosystem_Service_Monitoring_System_Pilot</a>
						Web based decision support tool	Field based data	Decision procedure	Economic valuation			
						Building decision support	Stakeholder-based input	Modelling	Informed decision making			
						NA	NA	Skills in stakeholder's involvement	NA			
						NA	NA	Participatory processes	NA			

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17	Toolkit for Ecosystem Service Site-based Assessment (TESSA)	[EN]	Easy to access	Globally used	Participatory management	Rapid assessment of ecosystem services	Stakeholder-based input	Skills in stakeholder's involvement	Quality of services valuation	Worldwide	Anglia Ruskin University, BirdLife International, University of Cambridge, Giving nature a home, Tropical biology association, UN-Environment - WCMC	< <a href="https://www.sciencedirect.com/science/article/abs/pii/S2212041613000417">https://www.sciencedirect.com/science/article/abs/pii/S2212041613000417</a> >; < <a href="http://tessa.tools/">http://tessa.tools/</a> >
					Adaptive management	NA	Existing data	Participatory processes	Economic valuation			
					Governance & Accountability	NA	Field based data	Decision procedure	Citizen awareness			
					Social justice	NA	NA	Modelling	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	<a href="https://games4sustainability.org/water-games/">https://games4sustainability.org/water-games/</a>
					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)	<a href="https://public.wmo.int/en/water/dynamic-water-resources-assessment-tool">https://public.wmo.int/en/water/dynamic-water-resources-assessment-tool</a>
					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	NA	Map				