

Selection of relevant 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)
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			https://sites.google.com/site/watagame2/cooplaage-tools
					Social justice	Decision procedure	Field based data	Participatory processes	NA	CIRAD, DG/GREE, INRGREF, LISODE, Danone AQUA, CSIR...	UMR Gestion de l'Eau, Acteurs et usages (G-EAU) ; IRSTEA-CIRAD	
					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			https://www.sauvonsleau.fr/jcms/e_17247/quelle-strategie-participative-pour-la-gestion-locale-de-l-eau-avec-les-citoyens-#.XpSAR8gzbGh
					Social justice	Decision procedure	Field based data	Participatory processes	NA	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)	
					Adaptive management	Participatory methods	NA	NA	NA			
					NA	State of knowledge	NA	NA	NA			
3	Community Score Cards - CSC	[EN]	Easy to access	Globally used	Social justice	Assess the quality of public services	Stakeholder-based input	Skills in stakeholder's involvement	Quality of services valuation			< https://www.civicus.org/documents/toolkits/PGX_H_Community%20Score%20Cards.pdf >;
					Community engagement	Provide direct dialogue between service provider and community	Field based data	Participatory processes	Economic valuation	CARE, The World Bank, GIZ, Water Aid...	CIVICUS (World Alliance for Citizen Participation), Civil Society Academy	< https://www.civilsocietyacademy.org/single-post/community-score-cards-a-powerful-tool >
					NA	NA	NA	Skill in sociology	Informed decision making			
					NA	NA	NA	NA	Capacity building			
4	Citizen Report Cards - CRC	[EN]	Easy to access	Globally used	Community engagement	Assess the quality of public services	Stakeholder-based input	Skills in stakeholder's involvement	Quality of services valuation	The World Bank, Asian Development Bank, PAC, SASANet, Water & Sanitation Programme...		< https://www.civilsocietyacademy.org/single-post/citizen-report-card >;
					Social justice	Rise citizen awareness	Field based data	Participatory processes	Economic valuation		< https://www.civicus.org/documents/toolkits/PGX_H_Citizen%20Report%20Cards.pdf >	
					Capacity building	Bring reform in the public delivery system	NA	Skill in sociology	Citizen awareness			
					NA	Multiple stakeholder's discussion and engagement	NA	NA	NA			
5	Participatory Urban Decision Making	[EN]	Easy to access	Globally used	Participatory management	Improve urban governance	Stakeholder-based input	Skills in stakeholder's involvement	Economic valuation	UN-Habitat, UN Development Programme, UN Environment programme, The World Bank...		< https://unhabitat.org/sites/default/files/download-manager-files/Tools%20to%20Support%20Participatory%20Urban%20Decision%20Making.pdf >;
					Governance & Accountability	Wider dialogue, advocacy, and capacity -building efforts	Field based data	Participatory processes	Citizen awareness		< https://unhabitat.org/tools-to-support-participatory-urban-decision-making >	
	NA	NA	NA	NA	NA	NA	NA	Capacity building				

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6	Community-Driven Development (CDD) Toolkit	[EN]	Easy to access	Globally used	Governance & Accountability	Get resources and decision-making into the hands of communities	Stakeholder-based input	Skills in stakeholder's involvement	Economic valuation	The World Bank (multiple location & application worldwide)	The World Bank	https://www.worldbank.org/en/topic/communitydrivendevelopment/publication/community-driven-development-toolkit-governance-and-accountability-dimensions
					Community engagement	Strengthen social accountability	Field based data	Participatory processes	Implementation pathway			
					NA	NA	NA	NA	Citizen awareness			
					NA	NA	NA	NA	Capacity building			
7	The Equitable Access Score-card	[EN], [FR], [RU]	Easy to access	Globally used	Social justice	Achieve the human right to water and sanitation	Stakeholder-based input	Skills in stakeholder's involvement	Economic valuation	UNECE, UN-Habitat, EU...	United Nations Economic Commission for Europe (UNECE)	< http://www.unece.org/index.php?id=34032 >;
					Transboundary Water	Overcoming the barriers faced by vulnerable and marginalized groups	Field based data	Participatory processes	Progress evaluation			< http://www.unece.org/fileadmin/DAM/env/water/publications/PWH_equitable_access/1324456_ECE_MP_WP_8_Web_Interactive_ENG.pdf >
					NA	Address affordability concerns	NA	NA	Knowledge gap identification			
8	Turin-Index	[EN], [IT]	Easy to access	Locally used	Social justice	Address affordability concerns	Field based data	Skills in economy	Economic valuation	IREN MERCATO SpA, SMAT SpA, EGEA SpA	Turin School of Local Regulation	< https://turinschool.eu/node/100 >;
					Governance & Accountability	Identify factor of change and impact on vulnerable groups	Spatial data	Skills in stakeholder's involvement	NA			< https://turinschool.eu/files/turinschool/turin-index-exsum.pdf >
					NA	Provide a dynamic view on the history of payments	Existing data	Participatory processes	NA			
					NA	NA	NA	GIS	NA			
9	Toolkit for Pro-Poor Municipal PPPs	[EN]	Easy to access	Globally used	Institutional cooperation	Capacity development in local government, businesses, and communities	Stakeholder-based input	Skills in stakeholder's involvement	Economic valuation	UNDP, FAO, UN-Environment, UNICEF, UNIDO, World Health Organisation	United Nations Development Programme (UNDP)	< http://pppue.undp.2margraf.com/en/01.htm >;
					Capacity building	To reduce poverty by increasing the access of the urban poor to basic services	Field based data	Participatory processes	Capacity building			< https://ppp.worldbank.org/public-private-partnership/library/undp-toolkit-pro-poor-municipal-ppps >
					NA	NA	NA	NA	Citizen awareness			
					NA	NA	NA	NA	Poverty alleviation			
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			
11	Transboundary water cooperation	[EN], [FR], [RU]	Easy to access	Locally used	Institutional cooperation	Analyse the organization and activities of joint bodies and identify best practices for institutional cooperation	Stakeholder-based input	Skills in stakeholder's involvement	Cooperation development	UNECE, UNDP, OSCE,	UNECE	< http://www.unece.org/fileadmin/DAM/env/water/documents/CWC%20publication%20joint%20bodies.pdf >;
					Transboundary Water	Strengthen the capacity of transboundary water management	Field based data	Participatory processes	Capacity building			< http://www.unece.org/index.php?id=11628 >
					NA	NA	NA	NA	Decision procedure			Informed decision making
					NA	NA	NA	NA	Implementation pathway			

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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			https://www.waterintegritynetwork.net/integrity-tools/
					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	Worldwide	Water Integrity Network	
					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	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			
14	GI-Val toolkit	[EN]	Easy to access	Locally used	Conformity assessment	Calculates monetary values for the social, economic and environmental benefits that green infrastructure provides	Field based data	Modelling	Economic valuation	The Cass Foundation, Wirral Waters, Stanley Bank, Noisiel Park, Northwich Business, Stockport Town Centre	The Mersey FOREST	https://www.merseyforest.org.uk/services/gi-val/
					NA	NA	Existing data	NA	Ecologic valuation			
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	https://www.researchgate.net/publication/260635934_Interdisciplinary_Decision_Support_Dashboard_A_New_Framework_for_a_Tanzanian_Agricultural_and_Ecosystem_Service_Monitoring_System_Pilot
					Building decision support	Web based decision support tool	Field based data	Decision procedure	Economic valuation			
					NA	NA	Stakeholder-based input	Modelling	Informed decision making			
					NA	NA	Skills in stakeholder's involvement	NA				
					NA	NA	Participatory processes	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			https://naturalcapitalproject.stanford.edu/software/invest ;
						Land-sea interaction modelling	NA	NA	Ecologic valuation	Worldwide	Natural Capital Project	https://naturalcapitalproject.stanford.edu/software/invest-models/water-purification
					Assess the service of nutrient retention by natural vegetation	NA	NA	NA			www.waternexusbelgium.org	

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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	< https://www.sciencedirect.com/science/article/abs/pii/S2212041613000417 >; < http://tessa.tools/ >
					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			
18	Drought Toolbox	[EN], [ES], [FR]	Easy to access	Globally used	Drought preparedness	Drought monitoring and early warning	Existing data	Skills in stakeholder's involvement	Implementation pathway	UNCCD	United Nations Convention to Combat Desertification (UNCCD)	https://knowledge.unccd.int/drought-toolbox
					NA	Drought vulnerability and risk assessment	Stakeholder-based input	Participatory processes	Informed decision making			
					NA	Drought risk mitigation measures	Field based data	Decision procedure	Capacity building			
					NA	NA	Spatial data	GIS	Citizen awareness			
					NA	NA	NA	Training	Progress evaluation			
					NA	NA	NA	Skill in sociology	Knowledge gap identification			
19	Deltares' softwares	[EN], [NL]	Easy to access	Globally used	Flood risk assessment	Software that facilitate the use of global data sets to flood risk assessments	Existing data	Information Technology	Knowledge gap identification	World Bank, NGOs, Consultants, insurance companies, research institutes, UN organizations	Deltares	https://www.deltares.nl/en/issues/global-data-tools-flood-risk-assessment/
					NA	NA	Role playing game	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	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				

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21	AquaCrop-OS	[EN]	Easy to access	Globally used	Agricultural water management	Agricultural water management modelling	Field based data	Modelling	NA	FAO	Food and Agriculture Organization (FAO)	https://www.aquacropos.com/
					NA	NA	Spatial data	GIS	NA			
22	Water Risk Filter	[EN]	Easy to access	Globally used	Water Risk Assessment	Enable to explore, assess, value and respond to water risks	Existing data	GIS	Implementation pathway	Worldwide	WWF Germany	https://waterriskfilter.panda.org/
					NA	NA	Satellite based data	Information Technology	Knowledge gap identification			
					NA	NA	Field based data	NA	Informed decision making			
					NA	NA	NA	NA	Economic valuation			
23	Aqueduct™ Tools	[EN]	Easy to access	Globally used	Water Risk Assessment	Map water risks	Spatial data	GIS	Map	Worldwide	World Resources Institute	https://www.wri.org/aqueduct#aqueduct-tools
					NA	NA	NA	Information Technology	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			
25	FREEWAT	[EN]	Easy to access	Locally used	Water Risk Assessment	Simulation of water quantity and quality in surface water and ground water	Spatial data	GIS	Satellite based interpretation	European Union	EU HORIZON 2020 Project	http://www.freewat.eu/project
					NA	NA	Satellite based data	Modelling	Map			
					NA	NA	NA	Information Technology	NA			