

Action Area 1.1: Surface and groundwater assessments

Strategic Action	Specific Action	Activity	TB	B	L	N	SA	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Responsibility	
																		Lead	ORASECOM
1.1.1: Update hydrology for catchments as required	Implement priorities identified in previous studies (eg IWRM Plan Phase 2, WP2)	Updating of hydrologies where surface/groundwater interaction is significan using new Pitman model (where applicable)																Countries	Facilitate
		Updating of Eastern Cape (SA) Hydrology																Safrica	Review
		Update/improve Molopo/Nossob hydrology																Botswana/ SAfrica	Support
		Update/improve Fish River hydrology																Namibia	Support
	Updating of other sub-catchment hydrologies	Updating of hydrolgies for potential new dam developments in Lesotho																Lesotho	Support
		Updating of hydrologies for priority new dam developments in South Africa																Safrica	Support
		Updating/improving of other hydrologies																Countries	Support
1.1.2: Improve assessments of aquifers (storage capacities, recharge rates, sustainable yields and other characteristics)	Update assessment of Mabule Transvaal dolomites transboundary aquifer	Detail required hydro-geological studies																Countries	Facilitate
		Implement studies																Countries	
	Detailed assessment of Stampriet/Matsheng transboundary Aquifer (ISARM)	Review existing and ongoing studies (i.e. Unesco study, ISARM)																Countries	Facilitate
		Take forward recommendations from study																Countries	Support
	Enhance understanding of groundwater resources in the basin (SAP-PCN2-OUT1)	Detailed hydrogeological studies and evaluation of recharge potential within various rainfall regimes/aquifer types																ORASECOM	Manage
		Detailed assessments of groundwater storage in each aquifer unit																All	Facilitate
		Assessment of hydrogeological interaction																All	Facilitate
	Assessments of national aquifers; Botswana	Botswana-Prioritise and plan studies for national aquifers (Kang - Phuduhudu aquifer, Molopo, Tsabong Aquifer, Kanye etc)																Botswana	Support
		Implement studies																Botswana	Support
	Assessments of national aquifers; Lesotho	Lesotho-Prioritise and plan studies for national aquifers																Lesotho	Support
		Implement studies																Lesotho	Support
	Assessments of national aquifers; Namibia	Namibia- Prioritise and plan studies for national aquifers																Namibia	Support
		Implement studies																Namibia	Support
	Assessments of national aquifers; South Africa	South Africa-Prioritise and plan studies for national aquifers																South Africa	Support
		Implement studies																South Africa	Support