

Based on groundwater budgets

drought, might bring new insights to make the exploitation of groundwater resources more sustainable.

Part B - INTERPRETATION BASED ON GROUNDWATER BUDGETS

Caractérisation complémentaire des masses d'eau dont le bon état dépend d'interactions entre les eaux de surface et les eaux souterraines (ESO-ESU), https://hdl.handle.net/2268/195406





g in and out of acent aquifers	Indicator	Symbol	Formula	Description
in scenario 3	INTRINSIC	I_{gw}^1	I/EW	Infiltration index
to quantify the ed by prolonged se recharge		I_{SW}^1	R/EW	Run-off index
		I_{gw}^2	Q_{gw}/I	Subsurface drainage with neighboring aquifers
		I_{sw}^2	Q_b/I	Drainage through rivers
		BFI	Q_b/Q_T	Base flow index
	PRESSURE	<i>P</i> ₁	Q_c/EW	Groundwater abstraction index vs effective water
		<i>P</i> ₂	Q_c/I	Groundwater abstraction index vs infiltration
2035		<i>P</i> ₃	$Q_c/(Q_c+Q_T)$	Groundwater abstraction vs streamflow
				(Briers et al., 2016)

 \succ The flow budget perspective brings a better understanding of the expected evolution of groundwater fluxes between the aquifer and its rivers, its neighbours and its catchments caused by a change of infiltration.

> Results dependent on types of boundary conditions implemented to represent the different interfaces.

Possible tool for decision making in terms of sustainable exploitation as pressure indicators quantify the anthropic

QR CODE



