Method from non-European countries
(Hydrological regime alteration)

		HAI	HMA	IHA	RVA	HCA	HIT
1. METHOD CHARACTERISTICS							
A - SOURCE OF INFORMATION / DATA COLLECTION	Map/Remote sensing	✓			✓	✓	
	Existing hydrological data series	✓	✓	✓	✓	✓	✓
	Monitoring or measurement (field)						
	Modelling	✓	✓	✓		✓	✓
B - SPATIAL SCALE	River catchment	PA		PA	PA	✓	
	Water body	PA		PA	✓	✓	
	Reach	✓	✓	✓	✓		✓
	Cross section		✓	PA			
C - TEMPORAL SCALE	Monthly data	✓	✓			✓	
	Daily data	✓	✓	✓	✓		✓
	Hourly data						
	Other	PA					✓
D - RIVER TYPOLOGY APPLICATION	Not limited to specific river typologies	✓	PA	✓	✓	PA	✓
	Limited to specific river typologies						
E - TYPE OF ASSESSMENT	Single index	✓			✓		
	Multiple index	PA	PA	PA		✓	✓
	Modelling		✓		PA		PA
	Final expert judgment	✓			PA		
F - REFERENCE CONDITION	Known pre-impact natural condition	✓	✓	✓	✓	✓	
	Reconstructed pre-impact natural condition						PA
G - PREDICTIVE ABILITY	Models and scenarios for evaluation of pressure changes	PA	✓	PA	PA	PA	PA
	Models and scenarios for evaluation of restoration measures		✓	PA	PA		
	No predictive assessment						
H - STRENGTHS / GAPS OF THE METHOD	Easy to apply					✓	
	Applicability for different lengths of data series						PA
	Procedure for gauged/ungauged stations		✓				
	A priori evaluation of pressures		✓	✓	PA	✓	
I - CONNECTION TO ECOLOGY	Influence on ecological status	✓	✓	PA	✓		✓
2. RECORDED FEATURES							
A - HYDROLOGICAL CONDITIONS	Flow regime	✓	✓	✓	✓	✓	✓
	Discharge	✓	✓	✓	✓		✓
	Changes in flow depth			PA			
	Flow velocity						
	Shear stress						
	Other					✓	
B - METRICS OF FLOW REGIME	Magnitude		✓	✓	✓		✓
	Frequency		✓	✓	✓		✓
	Duration	✓	✓	✓	✓		✓
	Timing (seasonality)	✓	✓	✓	✓	✓	✓
	Rate of change (rapidity)		✓	✓	✓		✓
	Minimum flow	✓	✓	✓	✓	✓	✓
	Maximum flow	✓	✓	✓	✓	✓	✓
	Variability (annual)						✓
	Interannual variability (climate)		✓				✓
	Intermittent flows						PA
C - ASSESSED PRESSURES	Intakes, transfers and by-passes of water	✓	✓	✓	✓	✓	
	Groundwater interaction	✓	PA	✓	✓	✓	
	Hydro-peaking	PA				PA	
	Impoundment - change in hydrology	✓	✓	✓	✓	✓	
	Lateral/vertical adjustments – change in hydrology	PA					
	Large scale pressures (e.g. land use)	PA		✓		✓	