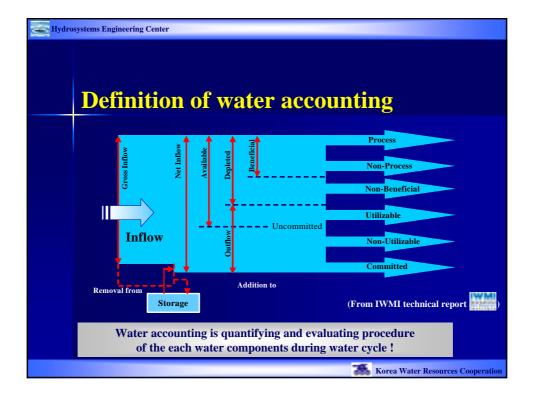


at different phases of	river basin developm
Utilization	Allocation
Improving O & M service	Shifting to higher value
Investing in O & M	Managing demand
Increasing value of water	High value of water
Modernization / rehabitation	Measurement, regulating
Conjunctive management	Regulating groundwater
	Utilization Improving O & M service Investing in O & M Increasing value of water Modernization / rehabitation

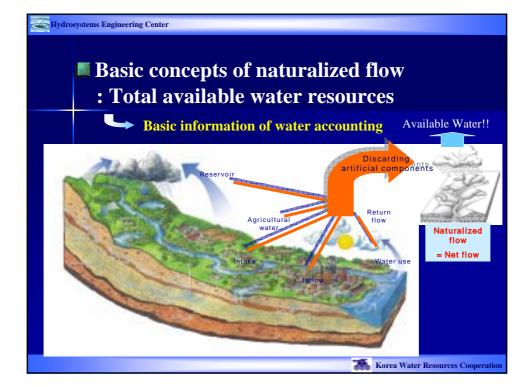
stems Engineering Center		
Development	Utilization	Allocation
Diluting pollution	Emerging pollution / salinity	Cleaning up pollution
Fewer water conflicts	Within-systems conflicts	Between-system conflicts
Economic water scarcity	Localized water scarcity	Physical water scarcity
Water data-not so important	System water delivery data important	Basin water accounting data important
Including / excluding poor in development of facilities	Including poor in O & M decision making	Cutting off water to poor

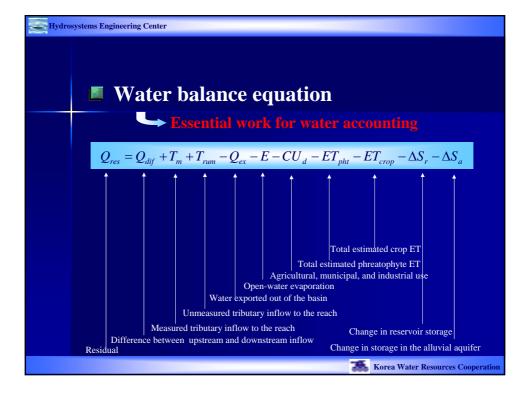


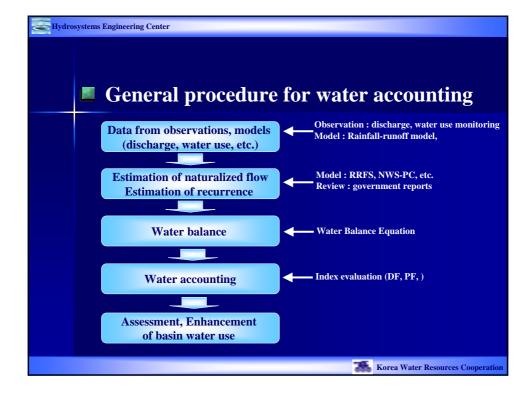
glossaries in water accounting fie
Definition
The total amount of inflow crossing the boundaries of domain
The gross inflows less the change in storage over the t period of interest within the domain. Net inflow is larg than gross inflow when water is removed from storage
The part of outflow that is reserved for other uses
A water basin that has been developed to the extent the all water has been allocated or, in other words, all outflows are committed
The fraction of inflow or available water that is deplete by process and non-process use. Depleted fraction can related to gross inflow

Definitions of glossaries in water accounting field

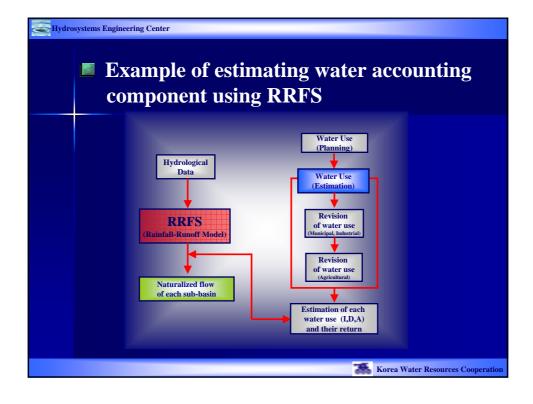
Glossary	Definition
Closed basin	A basin where utilizable outflows are fully committed
Open basin	A basin where uncommitted utilizable outflows exist
Process depletion	That amount of water diverted and depleted to produce an intended good
Process fraction	The ratio of process depletion total to depletion (Process fraction of depleted water) or available water (process fraction of available water)
Uncommitted outflow	Outflow from the domain that is in excess of requirements for downstream uses
Water depletion	A use or removal of water from a water basin that renders it unavailable for further use

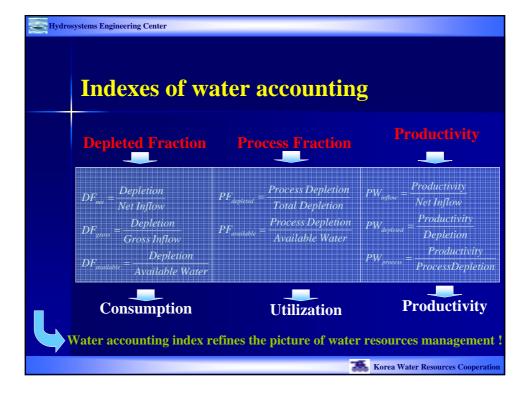


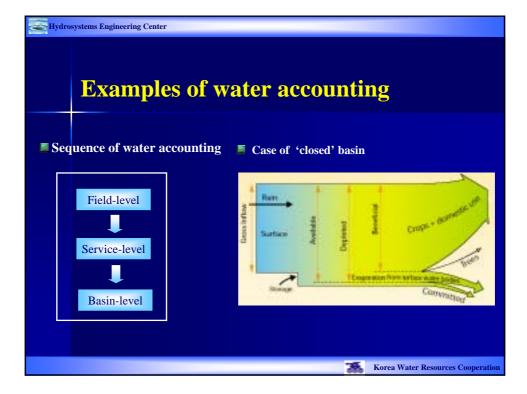


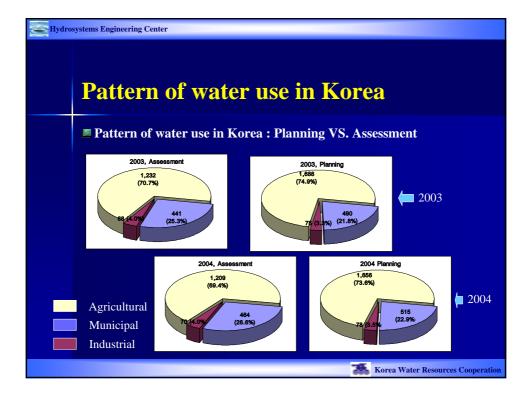


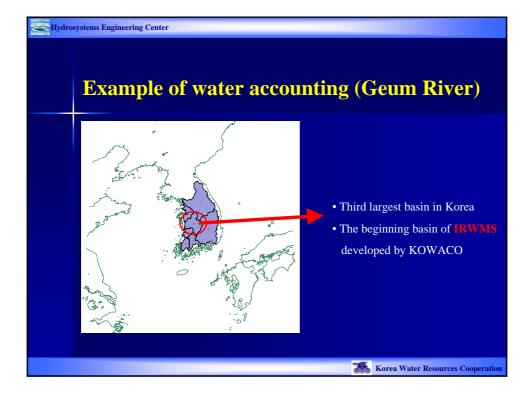












Example of water accounting : Basin-scale

Case study of Geum River, Korea

	(cms)	Percentage
Utilizable	67.65	100%
1) River water	55.21	
2) Groundwater	4.99	
3) Reservoir outflows outside basin	7.45	
Outflow	37.21	55%
Reported Depletion	20.36	30%
1) From agricultural use	13.93	
2) From industrial use	2.17	
3) From domestic use	4.25	
Uncounted Depletion	10.08	15%
		Ke

sources Cooperation

