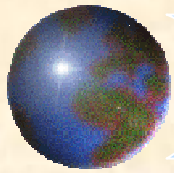


WATER RESOURCES OF THE TRANSBORDER RIVER ILE

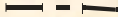



Dostai Zh.D. - professor

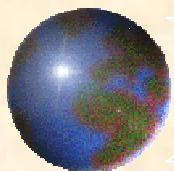


The basin of river Ile (Kasakhstan part)

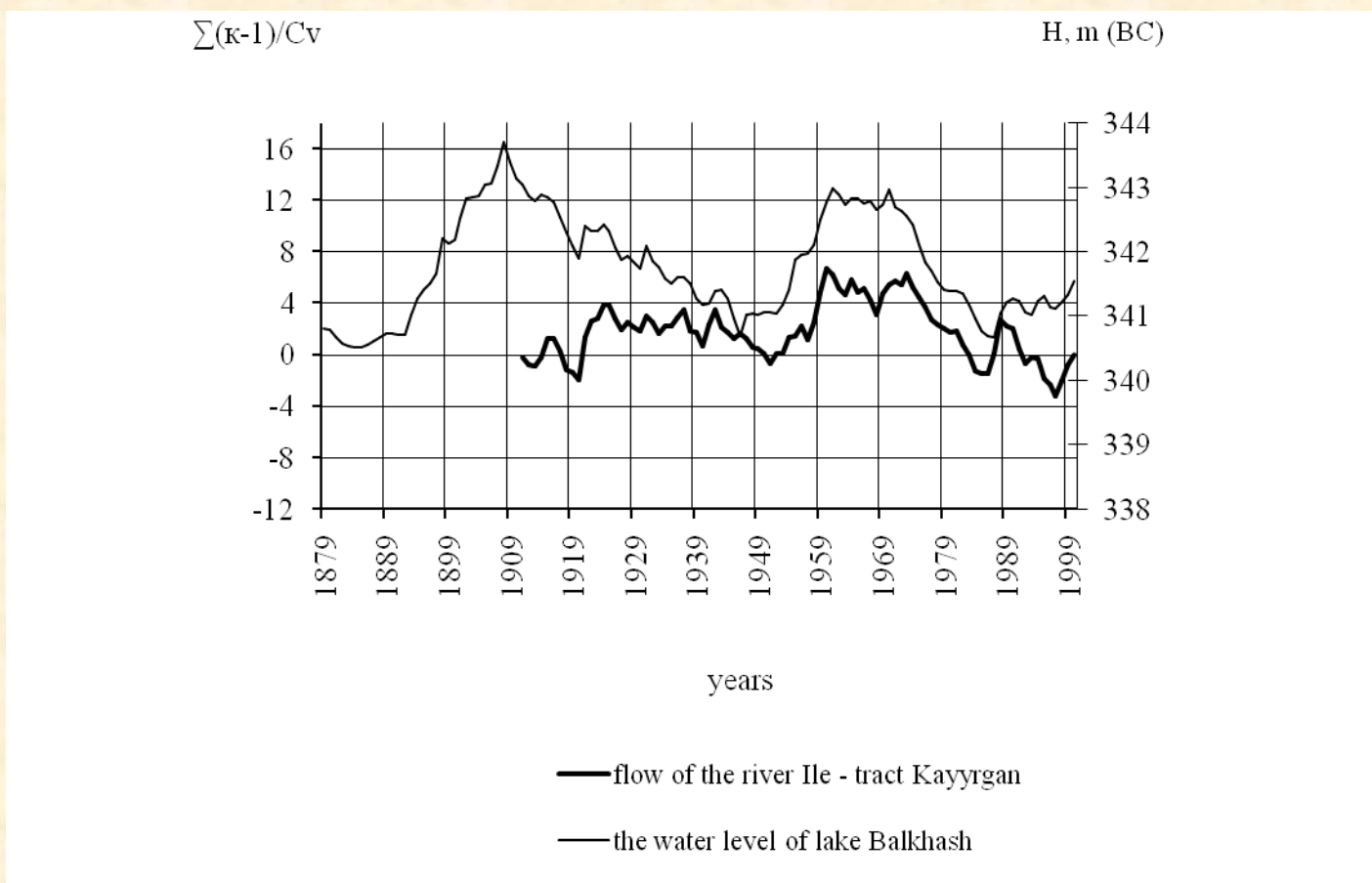


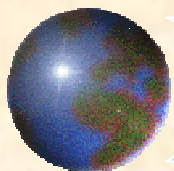
Symbols

-  The boundaries of the state
-  The boundaries of the basin outlet
-  Squares regular irrigation
-  Hydropower

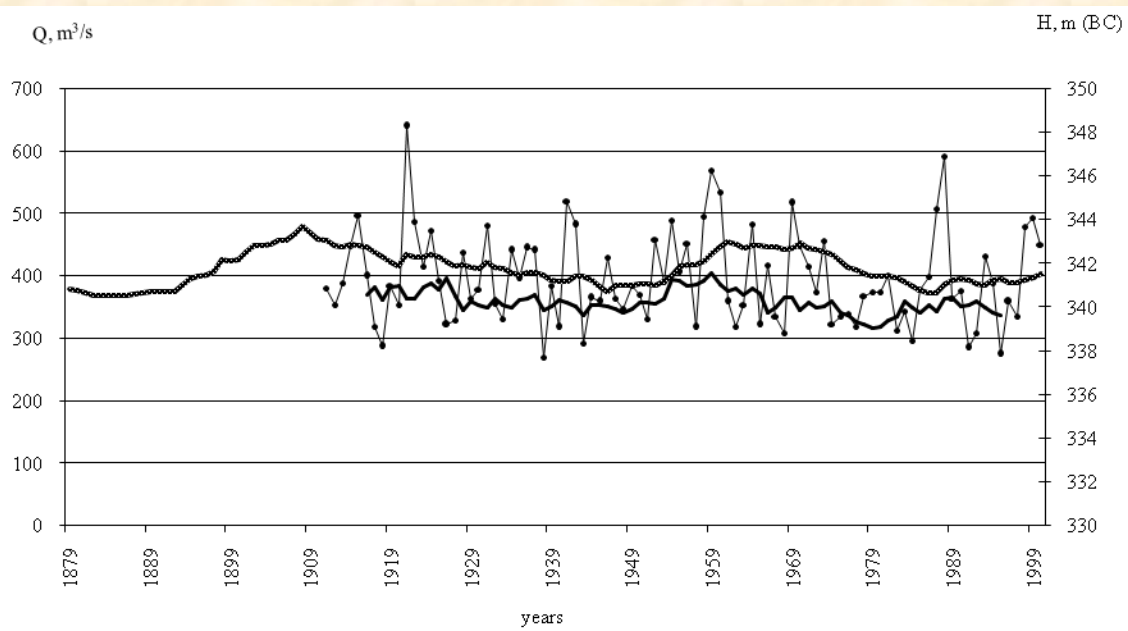


THE DIFFERENCE INTEGRAL CURVE OF THE WATER FLOW THE RIVER ILE AND THE VARIATION OF WATER LEVEL OF OF LAKE BALKASH

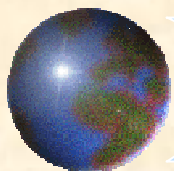




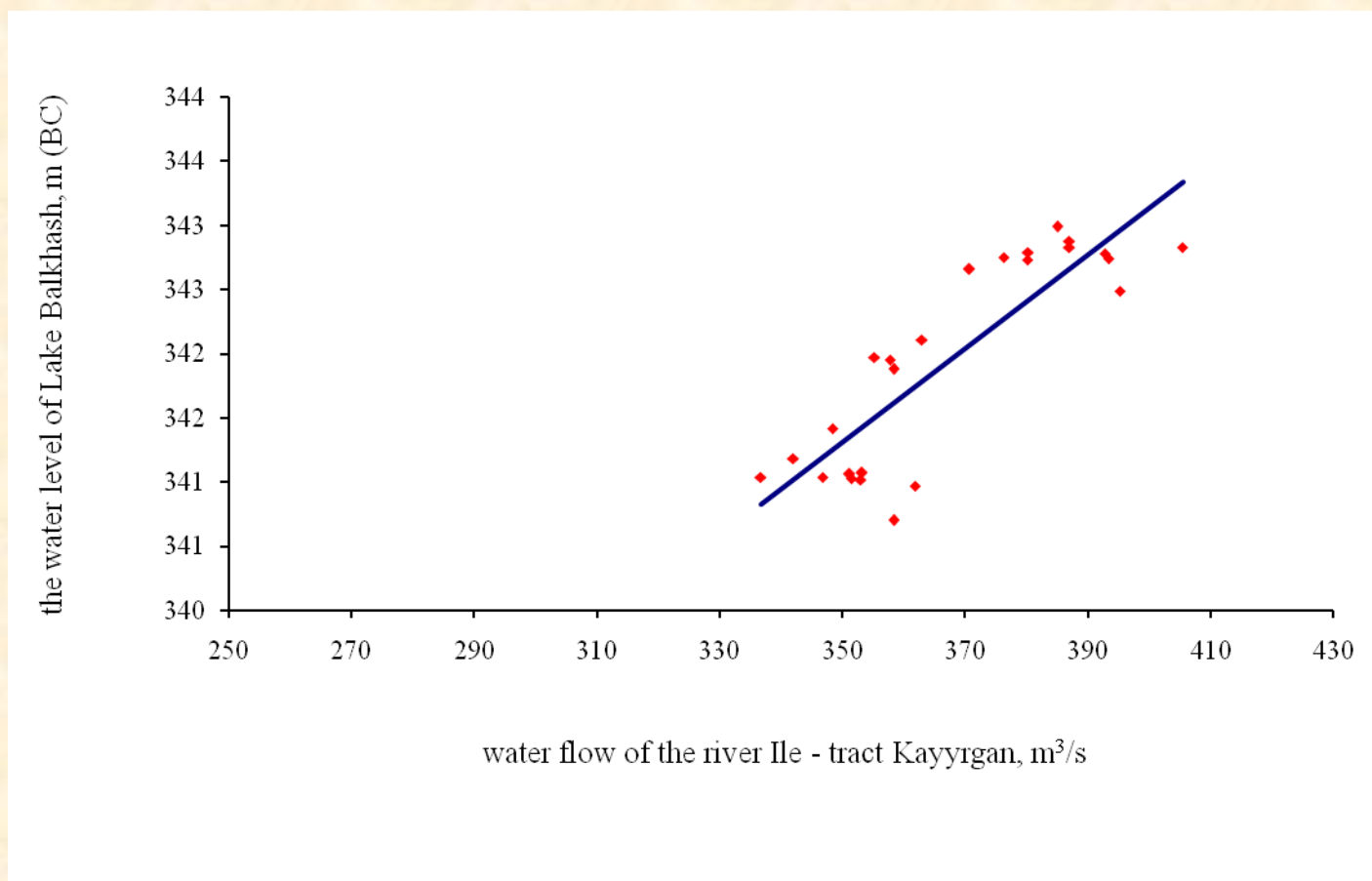
DYNAMICS OF LONG-TERM FLUCTUATIONS IN WATER FLOW OF THE RIVER ILE AND THE WATER LEVEL OF LAKE BALKASH

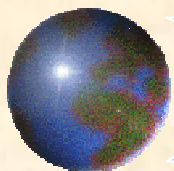


- water flow of the river Ile-tract Kayyrgan
- 11-year rolling curves of the river water flow Ile-tract Kayyrgan
- - - the water level of lake Balkhash



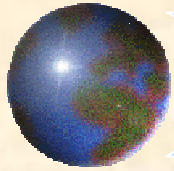
GRAPH THE RELATIONSHIP BETWEEN AVERAGED OVER 11-YEARS OF RUNOFF WATERS OF THE ILE-TRACT KAYYRGAN AND THE WATER LEVEL OF LAKE BALKASH





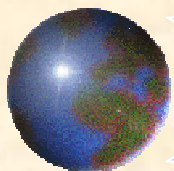
COEFFICIENTS OF CORRELATION BETWEEN THE FLOW OF THE RIVER ILE (AVERAGED) AND THE LEVEL OF THE LAKE BALKASH FOR VARIOUS SETTLEMENT PERIODS

Billing period, years	Period shift, years			
	3	4	5	6
1916-2000	0,59	0,63	0,70	0,72
1916-1969	0,65	0,74	0,80	0,84
1943-1986	0,65	0,72	0,80	0,84
1940-1969	0,75	0,84	0,86	0,83



Surface water resources in the river Ile (CNR), km³

Catchment area	[5]	[6]
r.Tekes	8,26*	8,48*
r.Kash	4,04	4,47
r.Kunes	2,20	2,27
southern slope of J.Alatau	2,457**	1,55
northern slope of the ridge Uzynkara		0,27
Only	16,957	17,04



River runoff Ile to the calculated cross-sections

River-item	Distance from the mouth, km	Volume of run-off (W), km ³			
		1911-2000 years	1956-1976 years	1956-1992 years	1990-2000 years
Ile-Yamato	1020	11,7	11,7	11,2	10,7
Ile-Kayyrgan	811	12,5	12,5	12,3	12,0