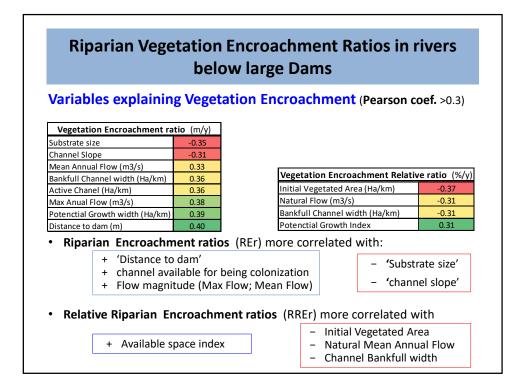


			Vegetation	Veg. Encr.	in rivers below large Dams
	per		Encr. Rat	Rel. rat.	18
Reach	year1	year 2	m/y	%	
Jarama 1a	1956	1975	0.27	0.61	16
Jarama 1b	1975	2014	0.80	1.63	14
Jarama 2a	1956	1975	2.54	2.17	► 12
Jarama 2b	1975	2014	0.41	0.25	ି କରି କରି କରି କରି କରି କରି କରି କରି କରି କର
Jarama 3a	1956	1975	-0.92	-2.09	5 10
Jarama 3b	1975	2014	0.46	1.75	5 8
Jarama 4a	1956	1975	2.05	2.45	<u>لة 6</u>
Jarama 4b	1975	2015	0.44	0.36	4
Manzanares 1a	1956	1975	0.17	0.66	
Manzanares 1b	1975	2014	0.67	2.36	2
Manzanares 2a	1956	1975	1.14	11.93	
Manzanares 2b	1975	2014	1.30	4.17	< 0 0-0.5 0.5-1.0 1.0-1.5 1.5-2.0 > 2
Guadalix 1a	1956	1975	0.08	0.33	
Guadalix 1b	1975	1991	0.07	4.47	Vegetation Encroachment ratio (m/y)
Guadalix 1c	1991	2009	0.90	29.22	
Guadalix 1d	2009	2014	0.30	1.47	
Guadalix 2a	1956	1975	0.43	6.96	14
Guadalix 2b	1975	1991	0.03	0.13	
Guadalix 2c	1991	2009	0.52	1.98	12
Guadalix 2d	2009	2014	0.07	0.22	
Guadalix 3a	1956	1975	0.12	0.25	> 10
Guadalix 3b	1975	1991	0.16	6.17	8 8 8
Guadalix 3c	1991	2009	1.48	27.77	
Guadalix 3d	2009	2014	0.05	0.15	6
Alberche 1a	1956	1973	-0.06	-0.04	
Alberche 1b	1973	2014	0.32	0.21	*
Alberche 2a	1956	1973	1.47	3.01	2
Alberche 2b	1973	2014	0.97	0.89	
Alberche 3a	1956	1973	2.00	2.29	
Alberche 3b	1973	2014	1.23	0.73	< 0 0-1 1-5 5-10 10-20 > 20
Alberche 4a	1956	1973	1.90	3.38	Vegetation Encroachment Relative ratio (%/v
Alberche 4b	1973	2014	0.20	0.15	vegetation Encroactiment Kelative fatio (%)





Effects of large Dams

- Flood reduction on magnitude and frequency
- Large Dams often used for **irrigation**. They reinforce RVE by releasing increased **summer flows**, which otherwise would limit vegetation growth.
- Once installed and developed, riparian vegetation increases riverbanks strength and inhibits their dynamics, promoting singlechannel forms
- Vegetation Encroachment reduces bare areas preventing pioneer species recruitment, which leads to <u>aged vegetation successional</u> stages

