

Source: adapted from Ostrom (1997)

Figure 83 - Hierarchical approach defining landscape change in Machadinho d'Oeste and Vale do Anari.

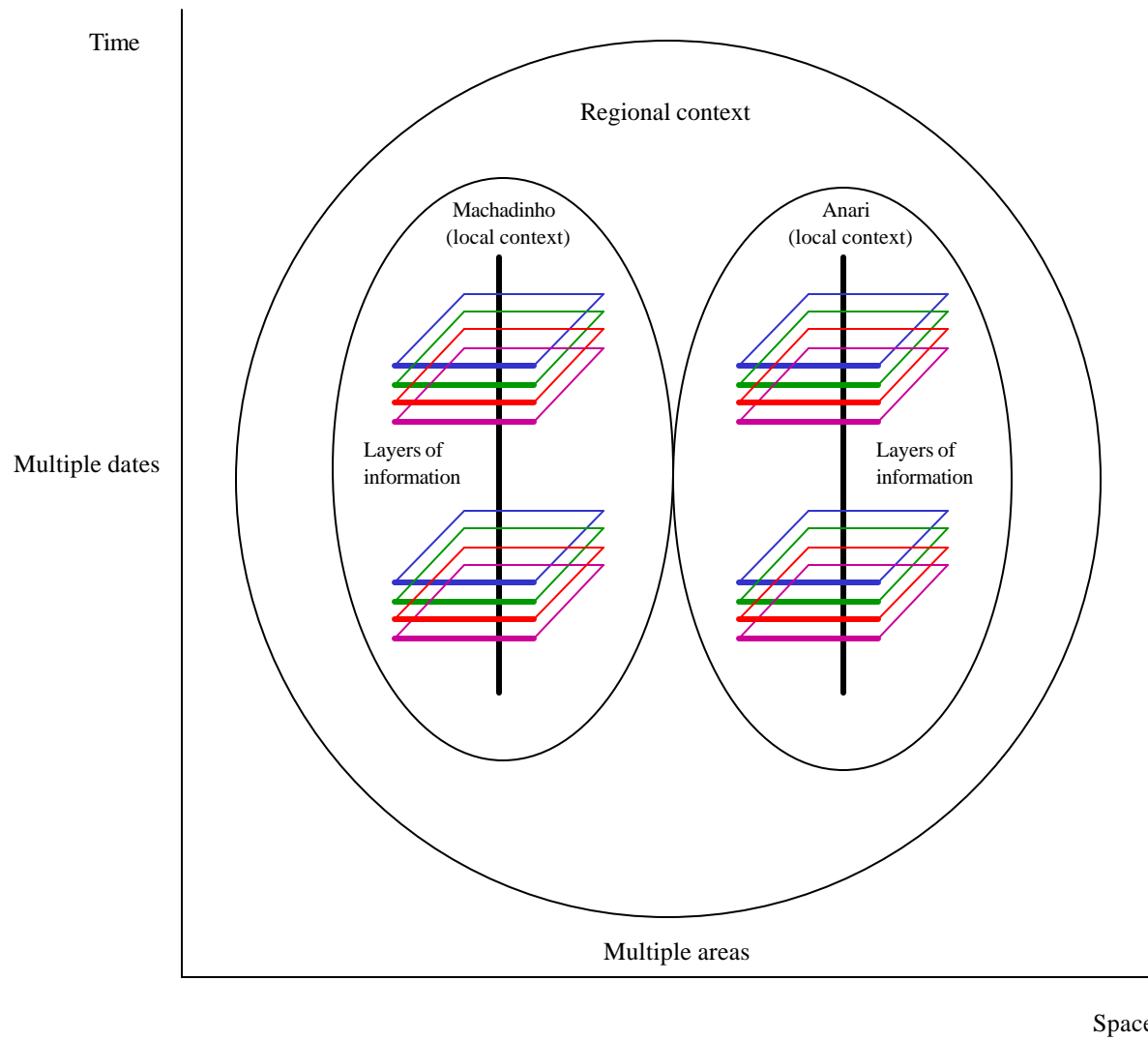
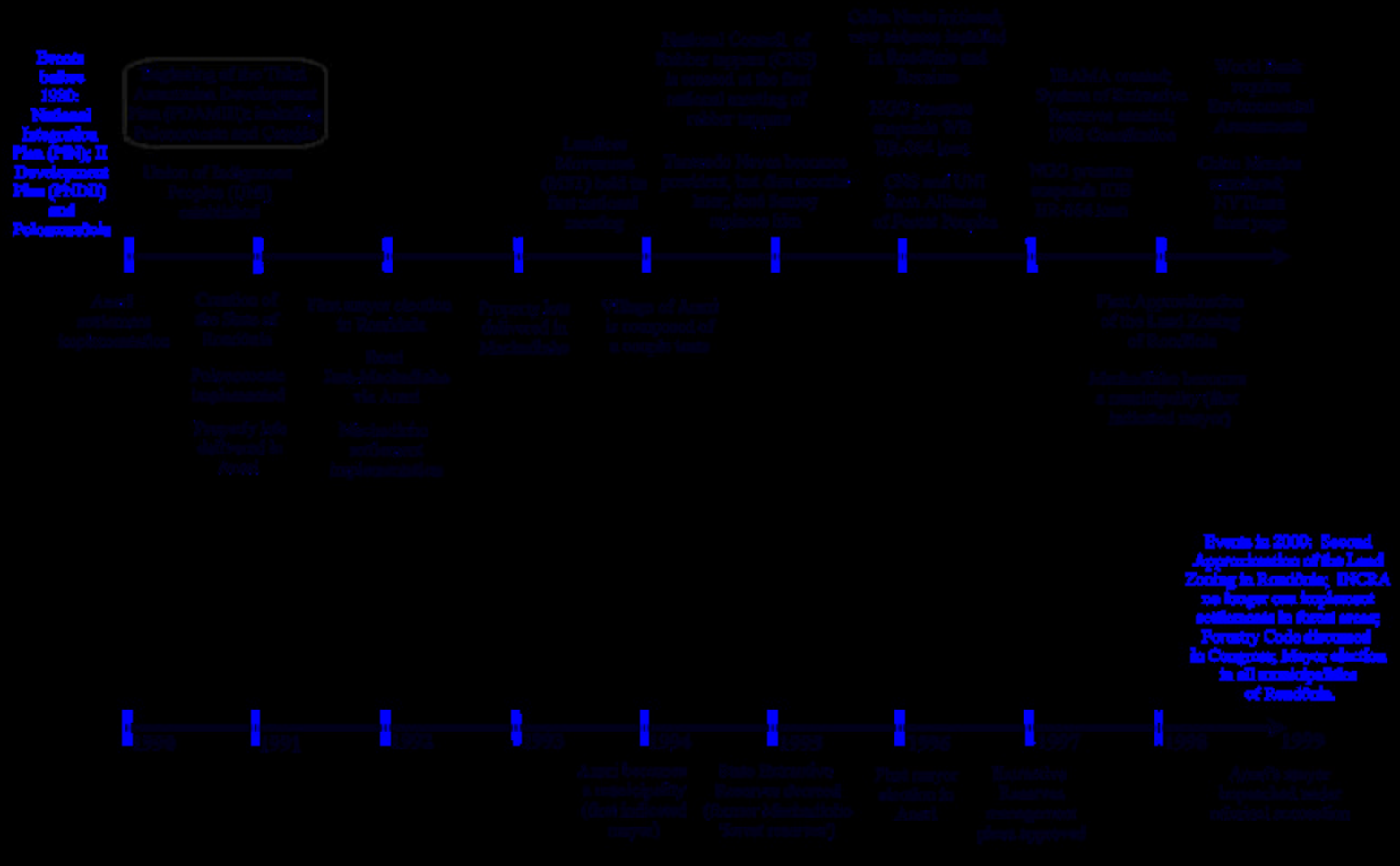
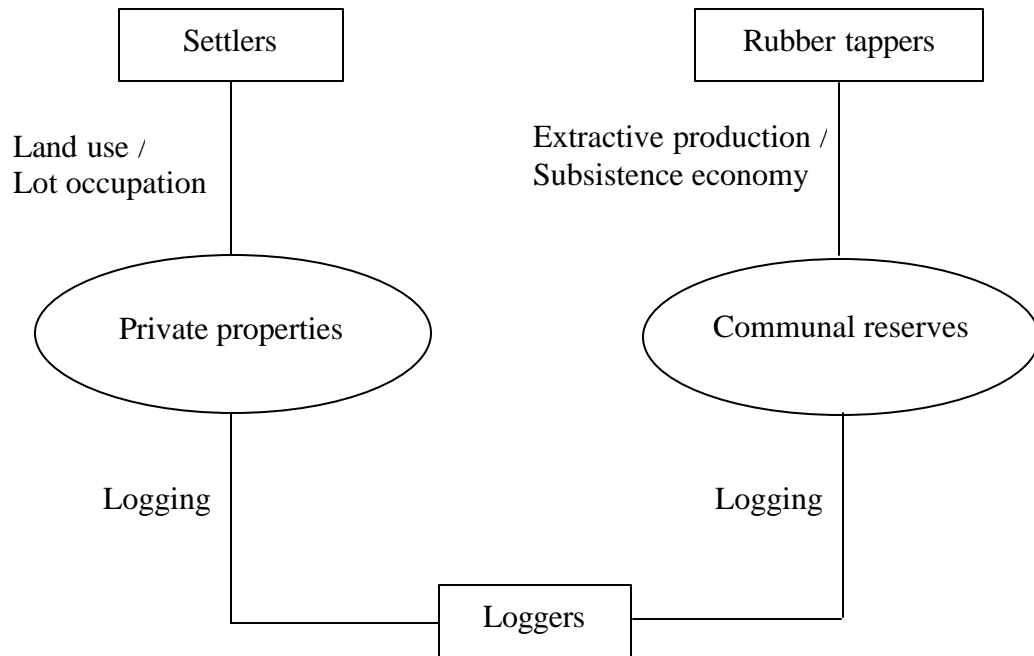


Figure 84 - Conceptual approach for analyses of the human dimensions of landscape change.



* Items above the timelines refer to general events; items below the timelines refer to local events. Source: adapted from Demerutis (1996).

Machadinho d'Oeste



Vale do Anari

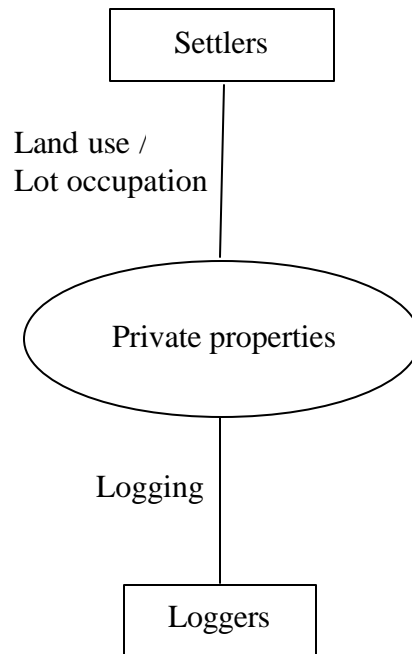


Figure 86 - Actors and actions in Machadinho d'Oeste and Vale do Anari.

Table 41 - Population in Machadinho d'Oeste and Vale do Anari.

MUNICIPALITIES	POPULATION						ANNUAL CHANGE RATE (%)
	8/1/1996	8/1/2000					
		Total	Male	Female	Urban	Rural	
Machadinho d'Oeste	23,095	22,717	12,235	10,482	10,962	11,755	-0.41
Vale do Anari	5,854	7,713	4,222	3,491	1,832	5,881	7.14

Source: IBGE (2000a)