a) Ecological variance Explained by Matrix **X**	c) Socio-cultural variance Explained by Matrix **X**	d) Unexplained variance Explained by Matrix **X**
a = (a+b+c) − (b+c)	c = (a+b+c) − (b+c)	d = 1 - (a+b+c)

Management intensity of edible plant species Matrix **Y**

b) Intersetion of the ecological and socio-cultural components

b = (a+b) − a