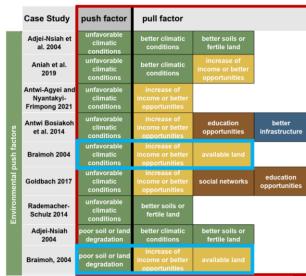
Appendix 4

Fig. A4.1 Methodical overview of generating Sankey diagrams.

a) allocation of pull factors mentioned in the combination with push factors. The light blue box shows how a multiple counting of the pull factors occurs. In this example, within the case study Adjei-Nsiah et al. 2004, 'better climatic conditions' and 'better soils or fertile land' as pull factors were named together with 'unfavorable climatic conditions' as well as with 'poor soil or land degradation'.b) Illustration of how the assignment of the pull factors results in the pivot table, which serves as basis for the Sankey diagram.

a) Allocation

Pull factors named in connection with the respective pus



b) Matrix

Pivot table as basis for Sankey diagram

pull factor											
		better climatic conditions	better soils or fertile land	increase of income or better opportunities	availab lan d	access to market	education opportunities	social networks	better infrastructure	food security	sum = number in Sankey diagram
	unfavorable climatic conditions	3	2	6	2		2	1	1		17
	poor soil or land degradation	3	1	3	2				1		10
		1		8	1	1	2	2	1		16
ctor		1		1	2						4
push factor		1		2	1			1			5
	land scarcity due to pop. pressure			1	1						2
	social conflicts			4			1	3			8
	political conflicts			2	2						4
	poor infrastructure	1		3			2		1		7
	food insecurity	1	1	1	1				1		5
	sum = number in Sankey diagram	11	4	31	12	1	7	7	5	0	