People's perceptions, knowledge and practices in social-ecological systems

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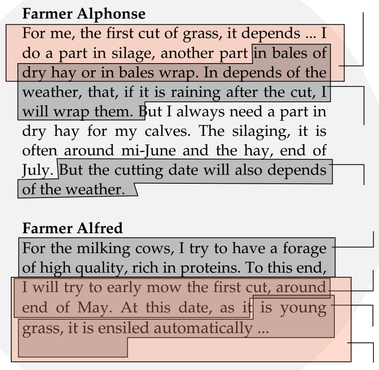
Methodological path

Survey

recorded

tran-scribed



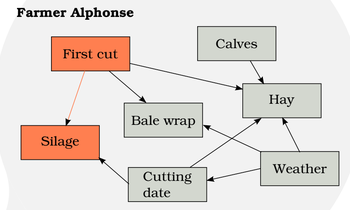
open-ended

Coding

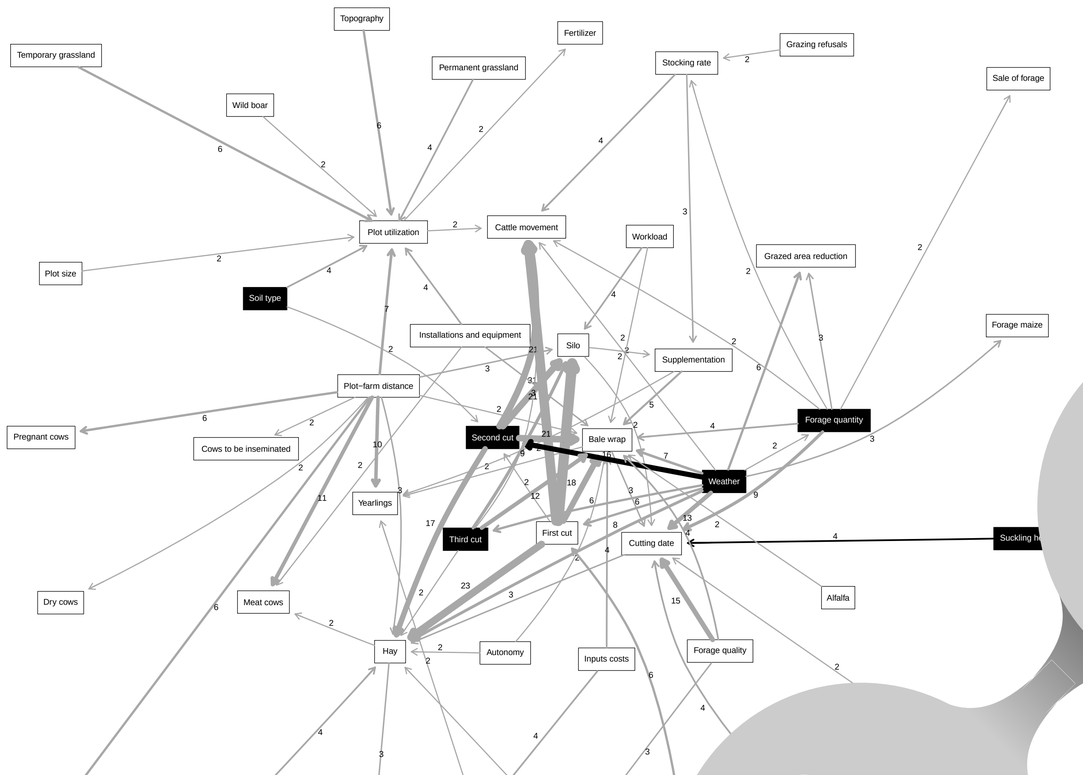
R Packages

RQDA
RSQLite
network
sna
RGraphviz
ggplot2

TEST



Social cognitive map

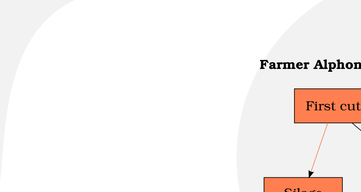


Com-parative study

Descriptive approach 1

Individual cognitive maps

$$\sum$$

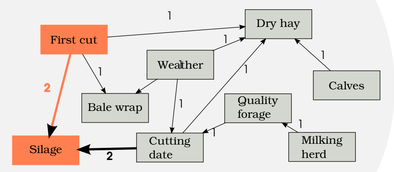


Relationship	Weight
A→E	...
A→F	...
E→B	...
C→A	...
...	...

Variable	Centrality
E	$\sum$ *Weight*
A	...
B	...
F	...
...	...

Tools

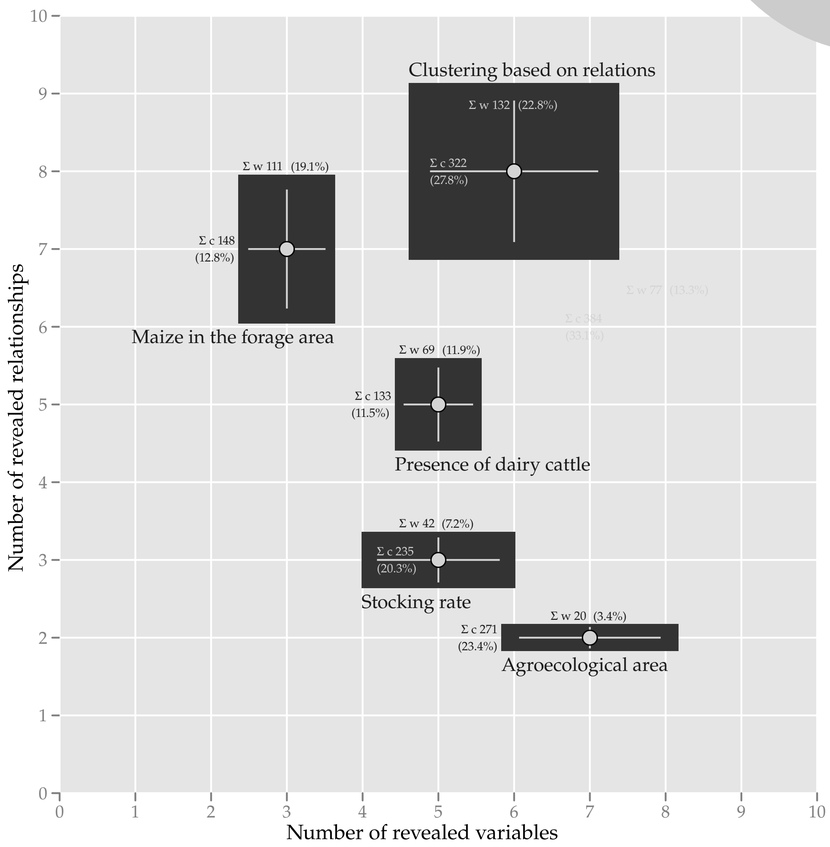
Analytical approach 2

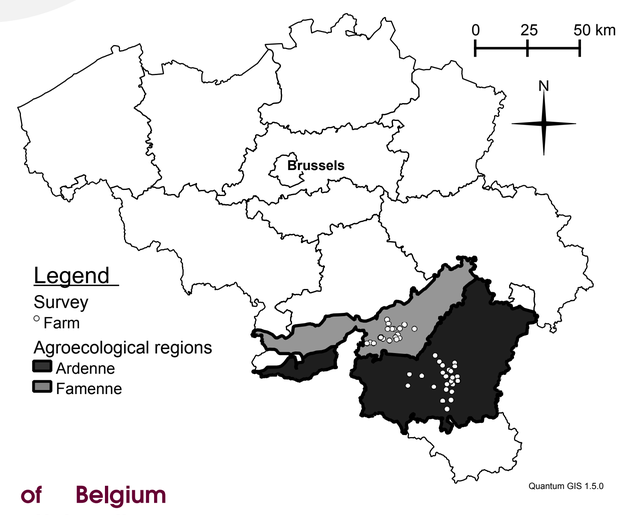


Relationship	Quote(s)			
A→E	Farmer X :	"..."; "..."		
	Farmer Y :	"..."		
...	...			

Clustering & Typology

Significant differences





Case studies

Grassland management in livestock famring systems of Belgium
+ Beekeeping practices (Chartreuse, F) @Wageningen University
+ Viticulture farmers (Trentin, I) @Wageningen University

References

1 – Vanwindekens F.M., Stilmant D., Baret P.V., 2013. Ecol. Model., 250, 352-362
2 – Vanwindekens F.M., Baret P.V., Stilmant D., 2014. Ecol. Model., 274, 1-11