

The assignment of responsibility and manifestations of climate change policy

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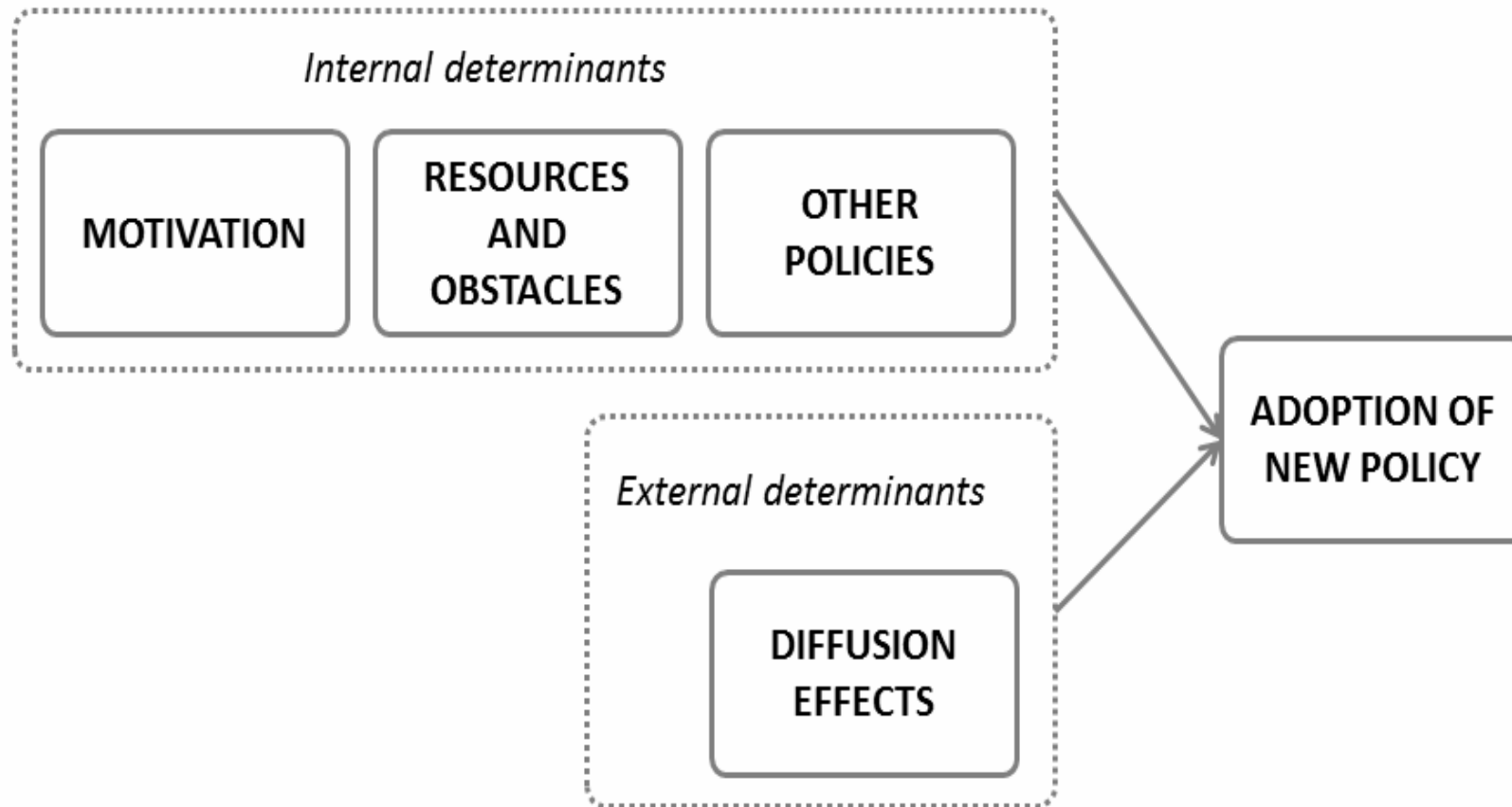
Introduction

- The aim: What are the drivers driving policy innovations transfers?
- The example: Climate change policy in the cities
- The subject: Propensity to climate adaptation

Method

- Questionnaire study
 - response rate: 52,9% (Poland) and 50,9% (Norway)
- Statistical analysis
 - national statistical data
 - financial data
 - Norwegian Pool of Natural Perils

Unified Model of Government Innovation (Berry and Berry 2014)



Diffusion of climate change adaptation policy

- **Dependent variable:** Climate change adaptation propensity index (CCAP index)
- **Source:** Survey questions indicating how far the municipalities have come in terms of adaptation policy

Independent variables - Poland

Variable	Values	Mean value	Std. dev.
Hazards	PLN per capita	187,31	554,24
Size	number of inhabitants	15823	40802
Affluence	zł. per capita	2596,44	631,08
Intrest	<0,5>	1,4	1,3
Polact	<0,12>	7,2	1,8
Finact	PLN per capita	1030,63	1054,72
CCAP index	<0,4>	1,06	0,99

Independent variables - Norway

Variable	Values	Mean value	Std. dev.
Hazards	NOK pro cap.	590,07	891,80
Size	Nominal inhabitants (LN trans.)	8,51	1,17
Coordinator	<0,1>	0,06	0,25
Cooperation	<0,1>	0,16	0,85
Interest	<0,3>	1,15	0,85
Envpol	Amount NOK pro cap.	0,23	0,35
CCAP	<0,10>	5,53	2,29

Model: Poland

Variable in model	Variable in analysis	b (Std. error)
MOTIVATION	Hazards	9,51 (0,00)
	Size	5,54** (0,00)
RESOURCES AND OBSTACLES	Affluence	9,74 (0,00)
	Interest	0,15** (0,24)
	Polact	0,08** (0,02)
OTHER POLICIES	Finact	-1,29 (0,00)
	α	
EXTERNAL	Constant	-0,08 (0,19)
	Adj. R2	0,11

Significance: ** = 0,05, * = 0,01. α : Omitted in present analysis

Model: Norway

Variable in model	Variable in analysis	b (Std. error)
MOTIVATION	Hazards	0,00 (0,00)
	Size	0,41** (0,14)
RESOURCES AND OBSTACLES	Coordinator	1,11** (0,43)
	Cooperation	0,64* (0,34)
	Interest	0,59** (0,23)
OTHER POLICIES	Envpol	1,70 (0,45)
EXTERNAL	α	
	Constant	0,90 (1,3)
	Adj. R2	0,23

Significance: ** = 0,05, * = 0,01. α : Omitted in present analysis

Conclusion

- The preliminary analysis only partially supports the assumptions based on Berry and Berry's Unified Model of Government Innovation(Berry and Berry 2014, 326);
- Responsibility???