

Adapting to the uncertain

Local administrations adapting to climate change through integrative and segregative institutions

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Theory



Starting point

- •Governance forms follow the attributes of the transaction:
 - Complex System -> Integrative Institutions
 - Simple System -> Segregative Institutions

(Hagedorn 2008, see also: Williamson 1985, Baldwin 2007, Thiel et al. 2012, Roggero 2015)

Research question

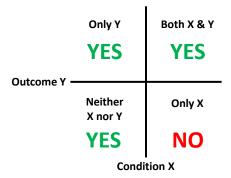
- •Complex System + CC -> ???
- •Simple System + CC -> ???

Slide 1

(Set) Methods



Sufficient conditions



Slide 2

(Set) Methods



Necessary conditions

Outcome Y =	Only Y	Both X & Y		
	Neither X nor Y	Only X		
	YES	YES		
	Condition X			

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Empirics



- 19 case studies of local administrations in Germany
- 6 (of 22) descriptors
 - Formal/informal coordination structures
 - Actual vulnerability
 - Need to adapt
 - 2 types of adaptation process

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Results 1/2



		"Integrative Institutions * Need2Adapt_Projected"			
		No			Yes
"Fine_Tuning"	Yes	LocAdm_06 LocAdm_10 LocAdm_11 LocAdm_15	YES	YES	LocAdm_03 LocAdm_04 LocAdm_05 LocAdm_19 LocAdm_18 LocAdm_19
	No	LocAdm_01 LocAdm_02 LocAdm_08 LocAdm_12 LocAdm_13 LocAdm_17	YES	NO	LocAdm_07 LocAdm_16 Slide 5

Results 2/2



	"Vulnerability_ACTUAL * Need2Adapt_Projected"			
		No	Yes	
"Ongoing_Process" ¯	Yes	YES	LocAdm_02 LocAdm_11 VES	
	No	LocAdm_06 LocAdm_08 LocAdm_10 LocAdm_13	NO LocAdm_17	

Table 6: "Vulnerability_ACTUAL * Need2Adapt_Projected" vs. "Ongoing_Process". Since this analysis addresses segregative institutions only, the two-by-two matrix features only those eight local administrations characterized by segregative institutions.

Slide 6

Conclusions



Academia

- •Institutions "adapt" and become integrative in a reactive way.
- •Local administrations vary -> discussions on the "appropriate" level of adaptation maybe misleading.

Practitioners

• "Preaching the converted" problem.

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Thank you!



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