



# The Question of Governance in Pretropolitan Regions

- nostly of the relation with Governmen, which is a formal administrative structure
- Governance is more than that it includes providentary sector. NGOS, brivate, or organizations, and integrovernmental land opplities and lineage at the sector.

DEMOTO OF

- two competing / different schemes (2.4 centralized) and incompative 82
  - German cities are predictly to have
  - US metropolitar areas
- It is an empirical question acto which system of exercities, better it is itself that there is no clear answer.
  - The formal null hypothet is oilth's paper is that alloyed of measures (representations of metropolitan governance)
     The formal null hypothesis is mostly rejected.

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# Design of the Comparative Case Study

- Plann since lify matters, we have chosen to focusion the gevernance of allsing ensure plann second station to issues raised by fimate change (1) (1) (1)
  - Hamburg metropoliten regiona "top down"
  - South Florida region "tottom up" example
  - Analyzing the two New Just with Social New York Ama
  - UCINET network analysis soft stratic used to exactle the contern of interaction, morg stakeholders
- The software returns many of the network and indicator of size connectivity, and indicator of size connectivity, and indicator.
  - → Each of these indicators cells us about different attributes of the governance structure.

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# Why those Metropolitan Regions?

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### Similarity: rough equiva

- Iocation (on major v
- function (ports trying to bec
- administrative and political complexity
- size (roughly equivale

### Difference :

how governance is organized

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# The Projekt KERTZUG

Source of the second se

This funding initiative supports to embed to awareness of an need to adaptitude to climate change in our society to

- The BMBF is supporting seven model, gio s, from 2009 in a
- The KLIMZURD-NOR# phoject is thread are seven if a teneration of photects that is
  - "Partners of KLIMKUp, fore an entry of the provided the conservation of the the winning of the second and the second of the the winning of the second of the

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# The Southeast Florida Christe Change Compace

### with the signing in January 2010 \_\_\_\_\_

It gives the countres, Broward Adrami Dare, coupe and another of a tramework and structure for working together by developing a coordinate conduct at a tramework and climate legislation policies. To dedicate staff-time are used to the together the countre Southeast Florida Regional climate charge at time are used to the inclusion of sector and adaptation strate is and the metanic of the annually on regional climate Summer course to progress and identify metang issues.

- The Draft Regional Climate Action Plan
- This plan is both a summer of strong to work done add an update on accomplish.

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Alexander Masser, Alan E. Alvarez, Prof Dr. David C. Prosperi, Dr. Diana Mitsova

t is still left to

# What is a Social Metwork Analysis?

- First a status tophar' has morphed interar "approach and is approach and is approach and its approach and it
- Social network analysis (SNA) is not new, the idea basisee of a single for every architer y.
- The key difference between SNA abortradmonal sector science analysis is the low measurement.
- In SNA, the key attribute to be reacting
  - In traditional social socie analysing nodes (income, race, generated)

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# Data Collection and Processing

to precapsulate and capture the relationship of the actors, a matrix was used to map the connections.

The matrix shows the felationship between the member of the project by use setting number 1 to represent a connection and the number 0 to a setting connection.

Stakeholder B has a connection to stakeholder A and C, and thus has a "" cell. Relationships between state themselves are excluded.

Example:	Stakeholder A	Stakeholder B	Stakeholder (
Stakeholder A		1	0
Stakeholder B	1		1
Stakeholder C	0	1	

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d the US: A Social Network Analysis



### ape Results / Analysis

- The Karrier HOPD network resembles a star This result is due to the indivence of both the coordinating stakeholder and the transferrence stakeholder that are concerted to every memory the network
- The shape of the Source state to the Ration Change Compact network is entropy and item stateholders the individuation counters. The four sub-groups in the state the three terms work groups and the Broast County Climate Change Task Force.
   The shape shows that each county climate contained entity.

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### onnectivity Results / Analysis

- Ropo Ropo And KN hetwork has 845 t
- Average distance of the KN network is 1 848 reads 1.713 for the SFRCCC network average number of steps between individual state is shorter in South Florida than in Handburg
- Longest distance between that is south Florida than in Hamburg, su
   South Florida network/tend to be network wide
   → visible in the visualization for the visualization for the notion that is contained.

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**Ch<sup>Sity</sup> Results / Analysis** 

- The contract seedficient measures how well" the network is connected.
- .622 for the SRFCCG hetwork 576 for the KN metwork → sub-groups in South Florida are more connected within
- The **density coefficient** mean retwork is.
- SFRCCC has a density Coefficient of 294 4% of to the KN network deriver the figurent of 156
- This measure reinforces the instance representation of the two planning

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### uster Results and Analysis

- UCINE Course both overall and weighter graph
- The **weighted overall graph** clustering councert shows a huge difference between the STRCCC network coefficient of 767 and KN open compo-.273.
- the overall graph, the KN clussing coefficient's .896 compared to .917 for SthCctt, these accured is identical
  - → this value shows us the precase of all the actors relating to the densities of their margnoor hoods

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### **Atrality** Results and Analysis

- re Bonacich Power coefficient measur the actor
- The idea is that stakeholders who have others may have a good poo Bonacich, a stakehold does this, is the amount of going position in its neighborhood
- If your neighbors are endent on you, that pu in a powerful position. 215.77 the amount of connections/isinol having the right connected

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# Conclusions & Discussion

- The shape and the institutionalization of a network is tased of the denois, the structure of state of the denois, the structure of state of the reasons with the structure was implemented.
- Both networks validate the assumption that German setter potent areas as the to to have a centralized governmental structure whereas the network areas are been decentralized structures.
- The KLIMZUG-NORD project care the trouble and government elements Southeast Florida Regional Contact: Change Contact shows in eximulation approach.
- The networks confirm the relia that municipal governments provide important piece in the governance of metropolition area. The most come technic powertul stakebothers are "government players".

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