

gesis


Leibniz-Institut
für Sozialwissenschaften



Computational Social Science Winter Symposium 2014

General chair: Prof. Dr. Markus Strohmaier

*Understanding social systems via computational
approaches and new kinds of data*

 #csswintersym



Dec 1st 2014, Cologne, Germany



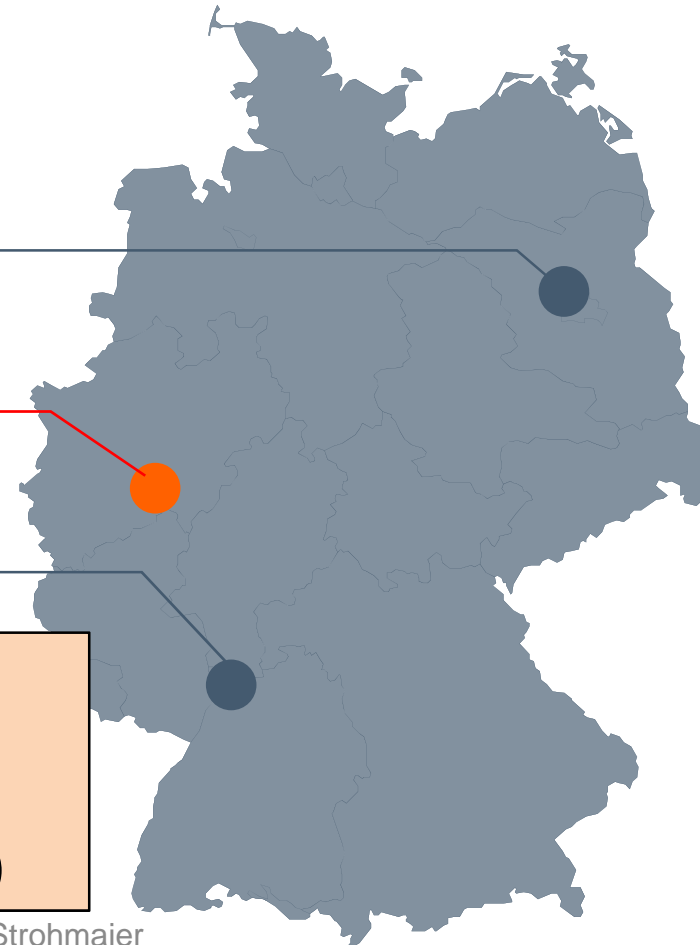
GESIS is located in ...

- Berlin

- **Cologne**

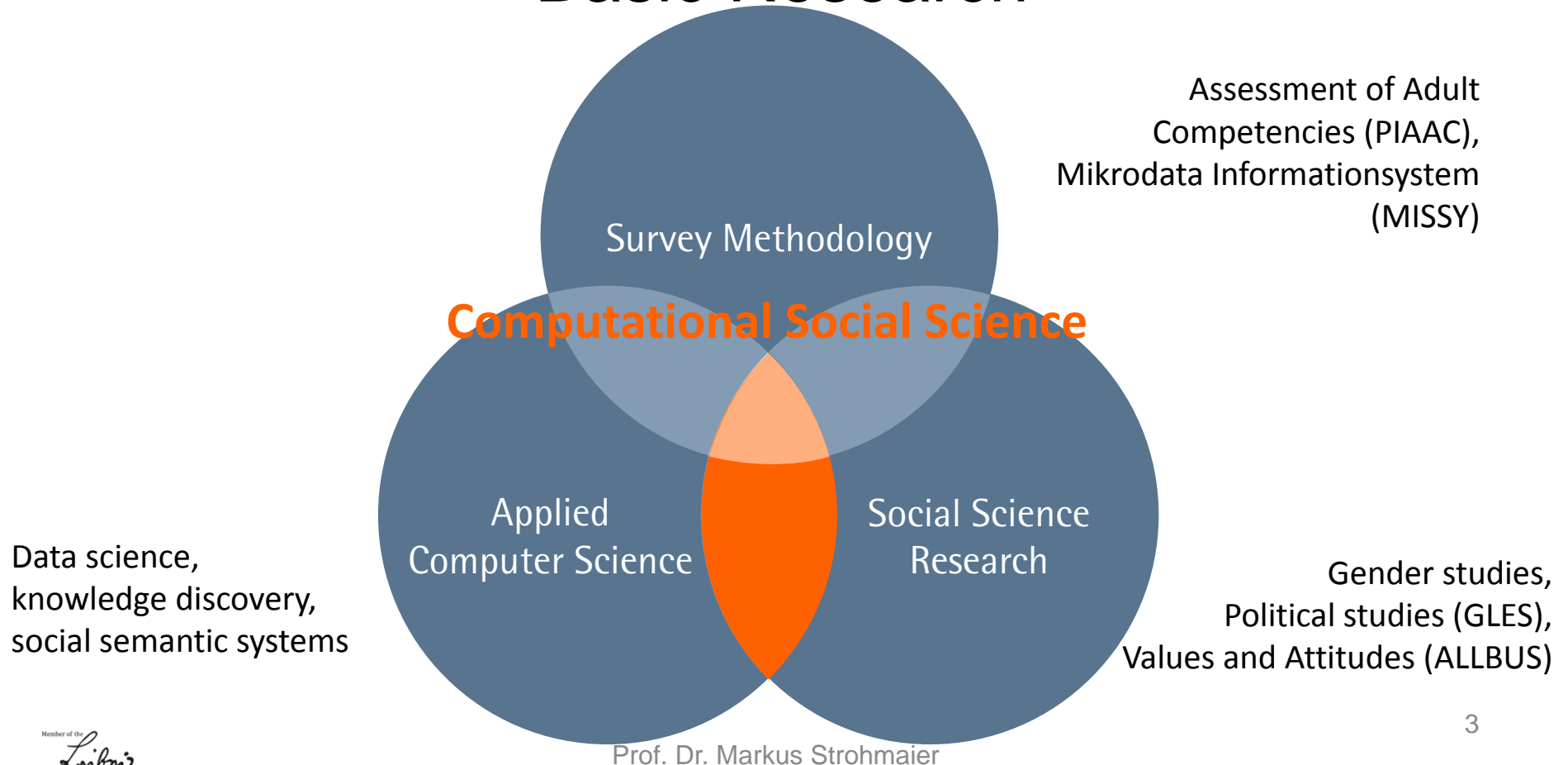
- Mannheim

- 5 scientific departments
- 250 employees
- 3 main partner universities
(Mannheim, Koblenz, Cologne)





GESIS: Research-based Services & Basic Research





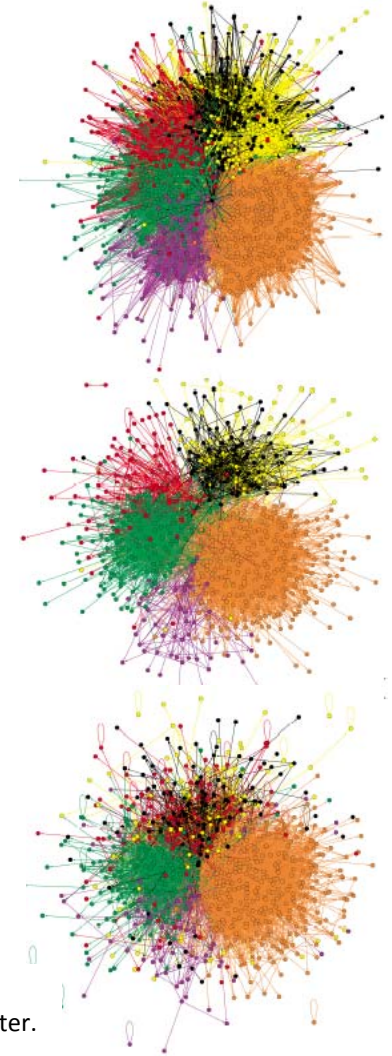
GESIS Department for Computational Social Science

established in Oct 2013 [[URL](#)]

A focus on:

- New kinds of social data
 - Acquisition, research, provision (e.g. social media)
- New methods & software
 - Based on modeling, simulation, network analysis
- New platforms & tools
 - Living laboratories, social media monitoring, APIs
- Consulting, Cooperation and Training
 - GESIS seminars, Cooperative research projects

Example: German Politicians on Twitter
[Lietz et al 2014]





Why a CSS Winter Symposium?

New **scientific opportunities and challenges** emerging:

- The web as a *socioscope*
- New kinds of social data
- Big data algorithms and issues

Yet the **research landscape is fragmented**:

- A *disciplinary divide* and *methodological cornucopia* among computer scientists, social scientists, physicists, ... studying social phenomena *in parallel*



Objectives

The **CSS Winter symposium is interdisciplinary**, it provides:

1. *Inspiration*: an exciting program of invited talks
2. *Overview*: contributions from an open call for posters
3. *Networking*: an evening visit to the famous Cologne Christmas markets



Invited Speakers



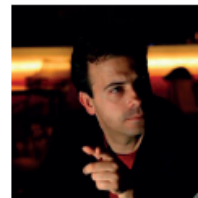
Prof. Dirk Brockmann (HU Berlin)
The hidden geometry of complex, network-driven contagion phenomena



Assistant Prof. Sophie Mützel (U. Luzern)
Text as data: uniting structure and content in computational social science



Prof. Frank Schweitzer (ETH Zürich)
Modeling emotional agents: Data, Interaction, Simulation



Dr. Ciro Cattuto (ISI Foundation)
High-resolution social networks from wearable devices



Prof. Andreas Diekmann (ETH Zürich)
The Functioning of Electronic Markets



Dr. Suzy Moat (U. of Warwick)
Quantifying human behaviour with Internet data

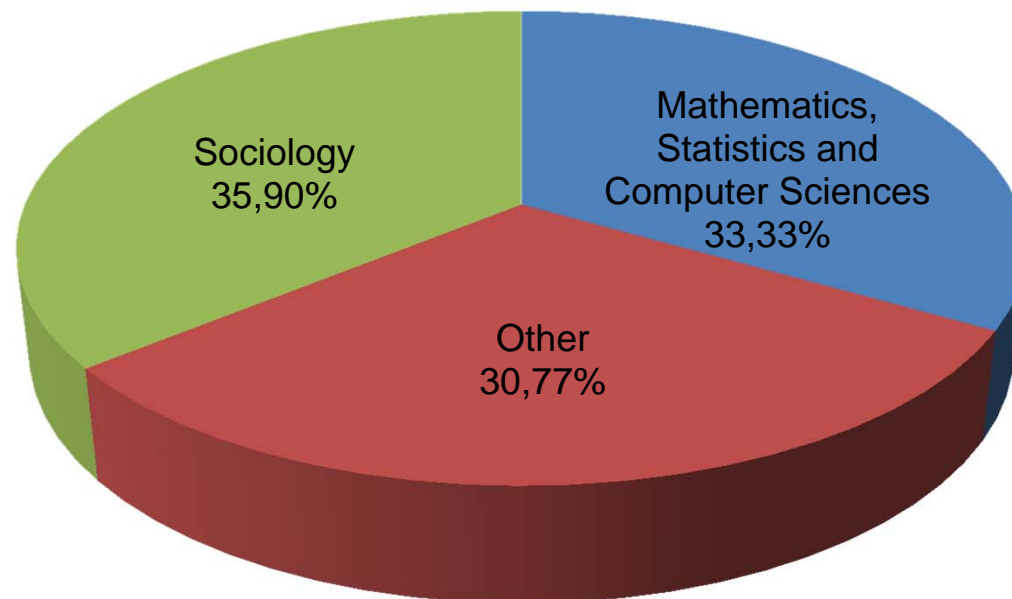


Prof. Harald Schoen (U. Mannheim)
Social media data and public opinion: some remarks on an uneasy relationship

**> 120 registered attendees,
36 accepted posters**

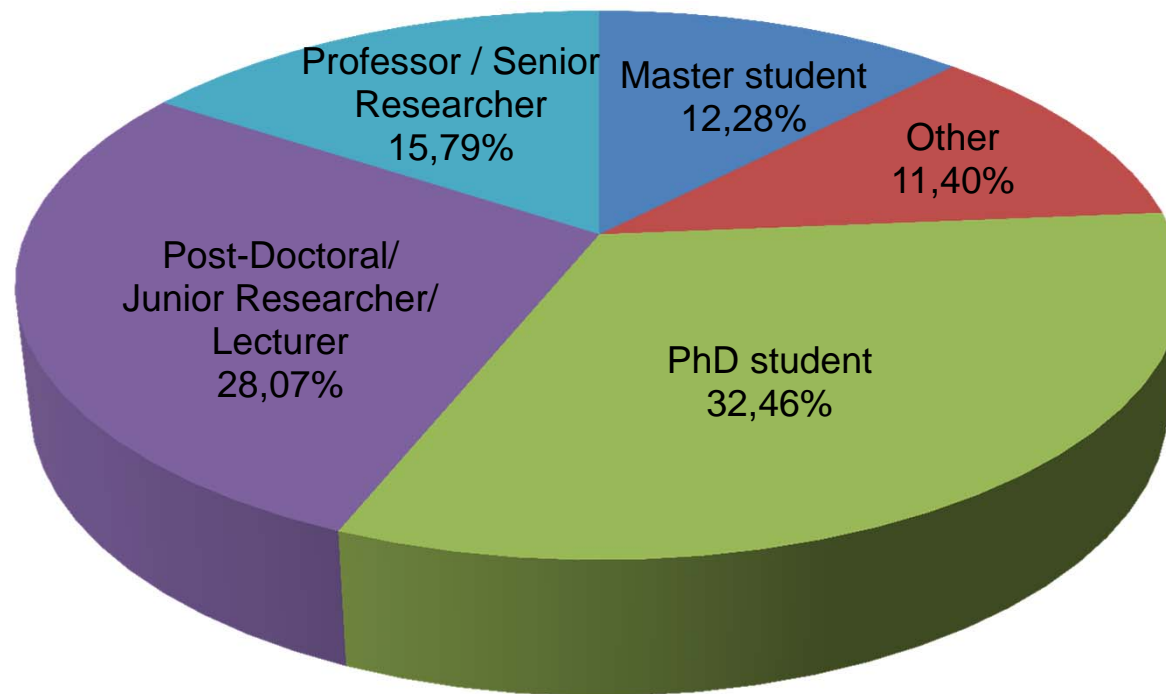


Attendees by discipline





Attendees by current status





Orientation and Logistics

- Lunch & Coffee Breaks
 - On the lower level (downstairs)
- Poster exhibition
 - Two other rooms on this floor (in the afternoon, across the lobby)
- WLAN / Internet
 - Access available (see your symposium folder)
- Social Media
 - tweet, facebook, instagram, etc!



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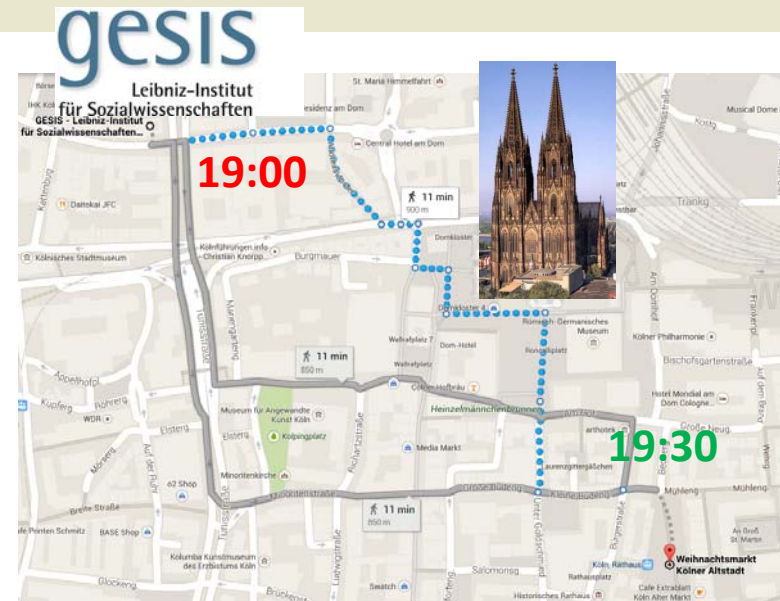


Christmas Market

- **Guided tour** via Roncalliplatz to „Alter Markt“ from GESIS lobby **at 19:00**

- **Meeting point** on Christmas Market „Alter Markt“ **at 19:30**

(Kölner Altstadt)



Any questions during or after the event?

Markus Strohmaier



GESIS
*Scientific
Director*

Diana Pacheco



GESIS
*Administrative
Assistant*

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Leibniz Institute for the Social Sciences

THANK YOU