



Interdisciplinary Analysis of Voting

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LAMAS Seminar on INteraction Gdansk
23rd of September 2015



Benchmark for Study of Interaction

Voting/elections can be studied from the perspective of several different disciplines:

- **Sociology/political science**: what voting is for, objectives, social context, social properties of voting
- **Social choice theory**: abstract properties of voting, voting rules
- **Security**: voting protocols, security properties, security mechanisms
- **Multi-agent logic**: formal specification of properties, grasping the concepts in the right way
- **Verification**: formal verification
- **Game theory**: predicting behavior of agents and groups?
- ...modeling?

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- ...modeling? \rightsquigarrow **rewriting systems?** **process algebras?**
multi-agent systems? **social simulation?**



We need more interaction!



We need more interaction! \rightsquigarrow COST Action?



Thank you for your attention!