

## 0. DATA AND GOALS

We investigate the electronic proceedings from the ISIPTA conferences 1999 - 2009.

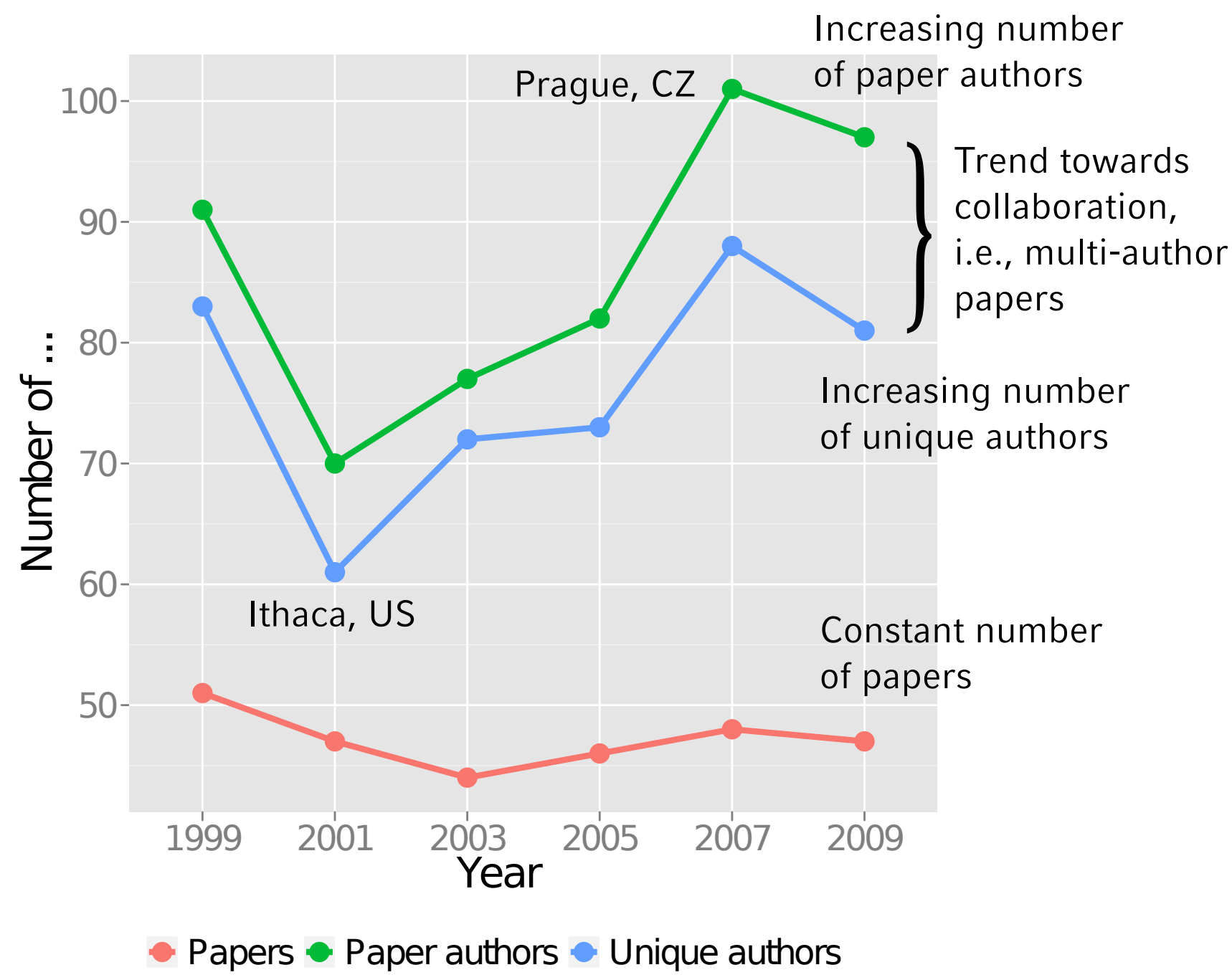
The data are read from the individual proceeding websites; location information are estimated by the authors' e-mail address domains. In a post-processing step we inspected and corrected the data by hand.

This poster is the first step towards a comprehensive analysis of the IP community and its evolution. Here, we present selected interesting facts, from simple summary statistics to a summary graph of different social network analyses.

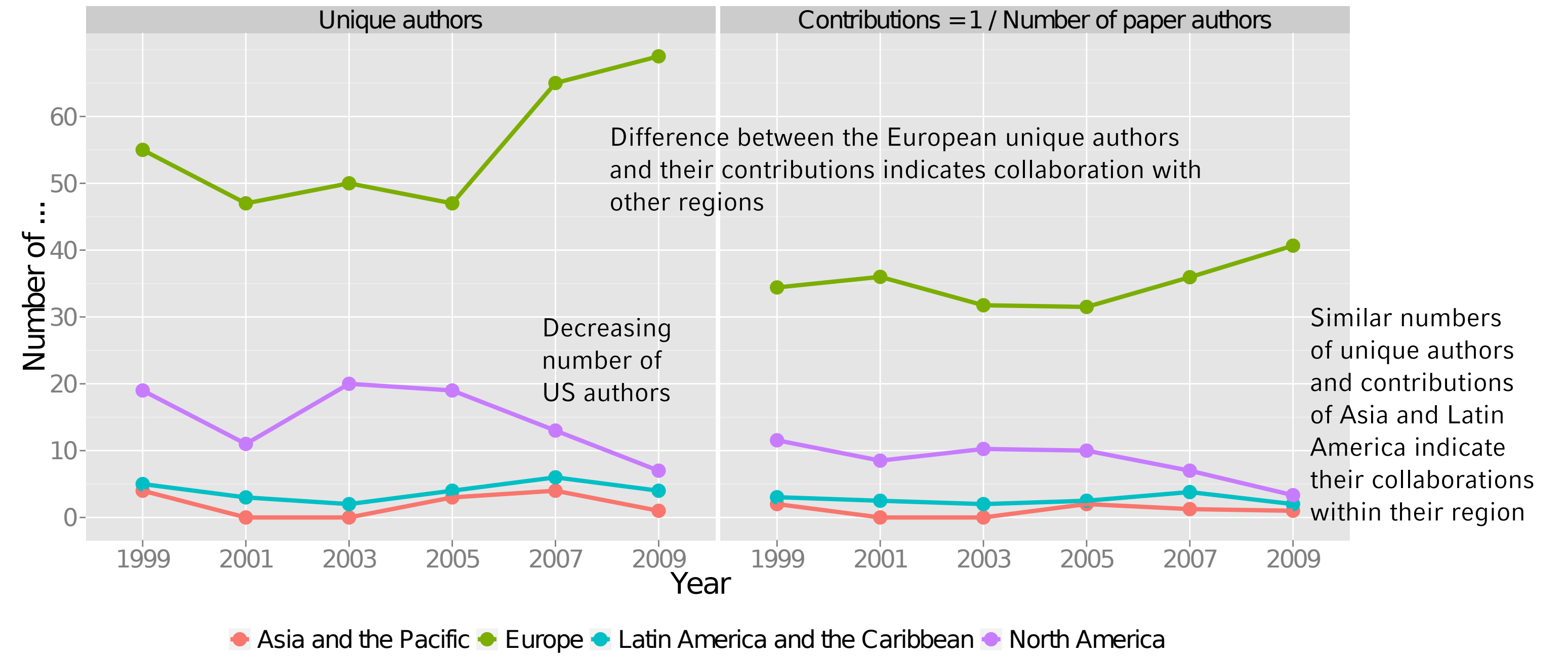
### 0.1. MARK AND COMMENT

Feel free to mark and comment on interesting aspects you find in the presented data!

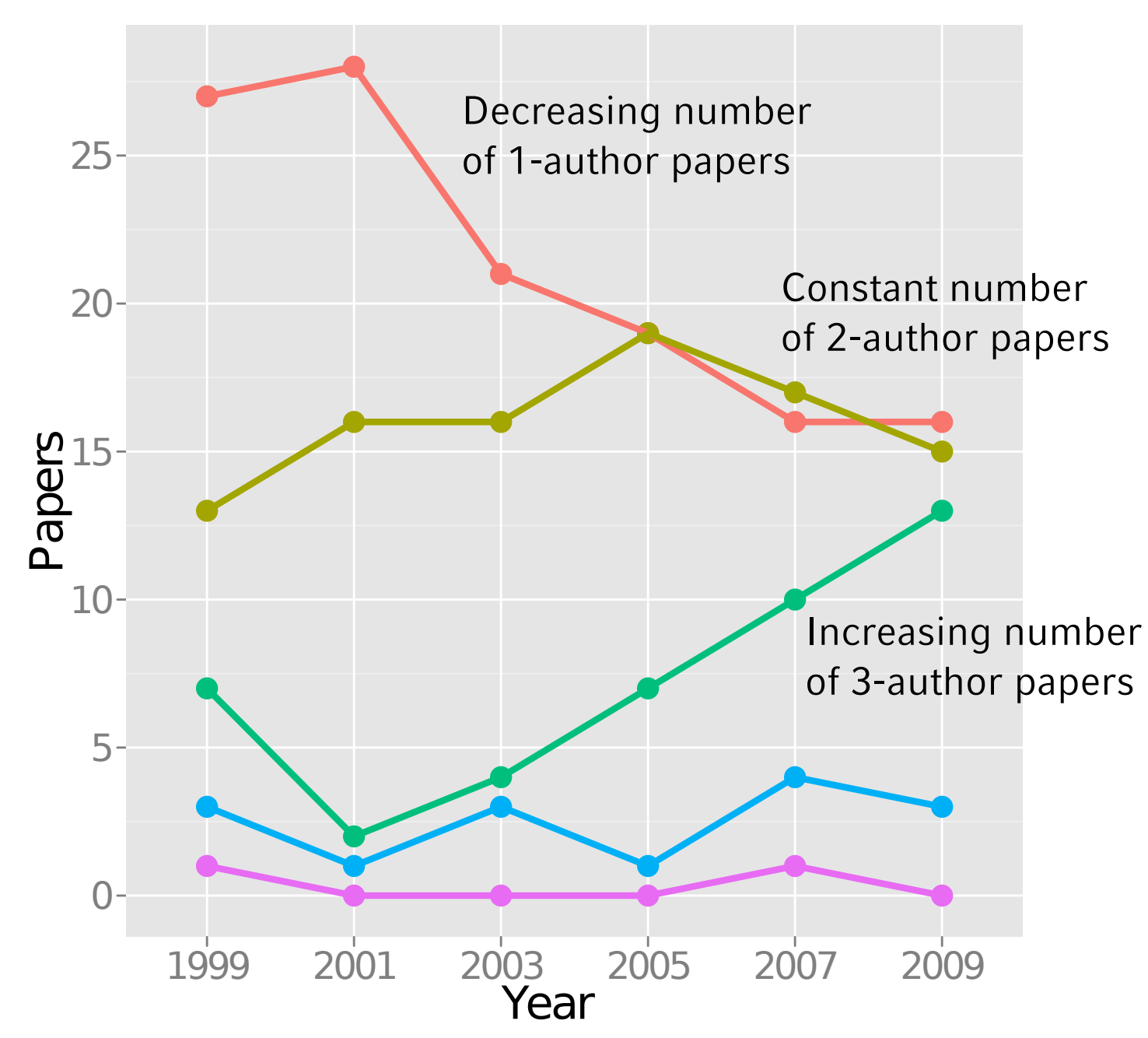
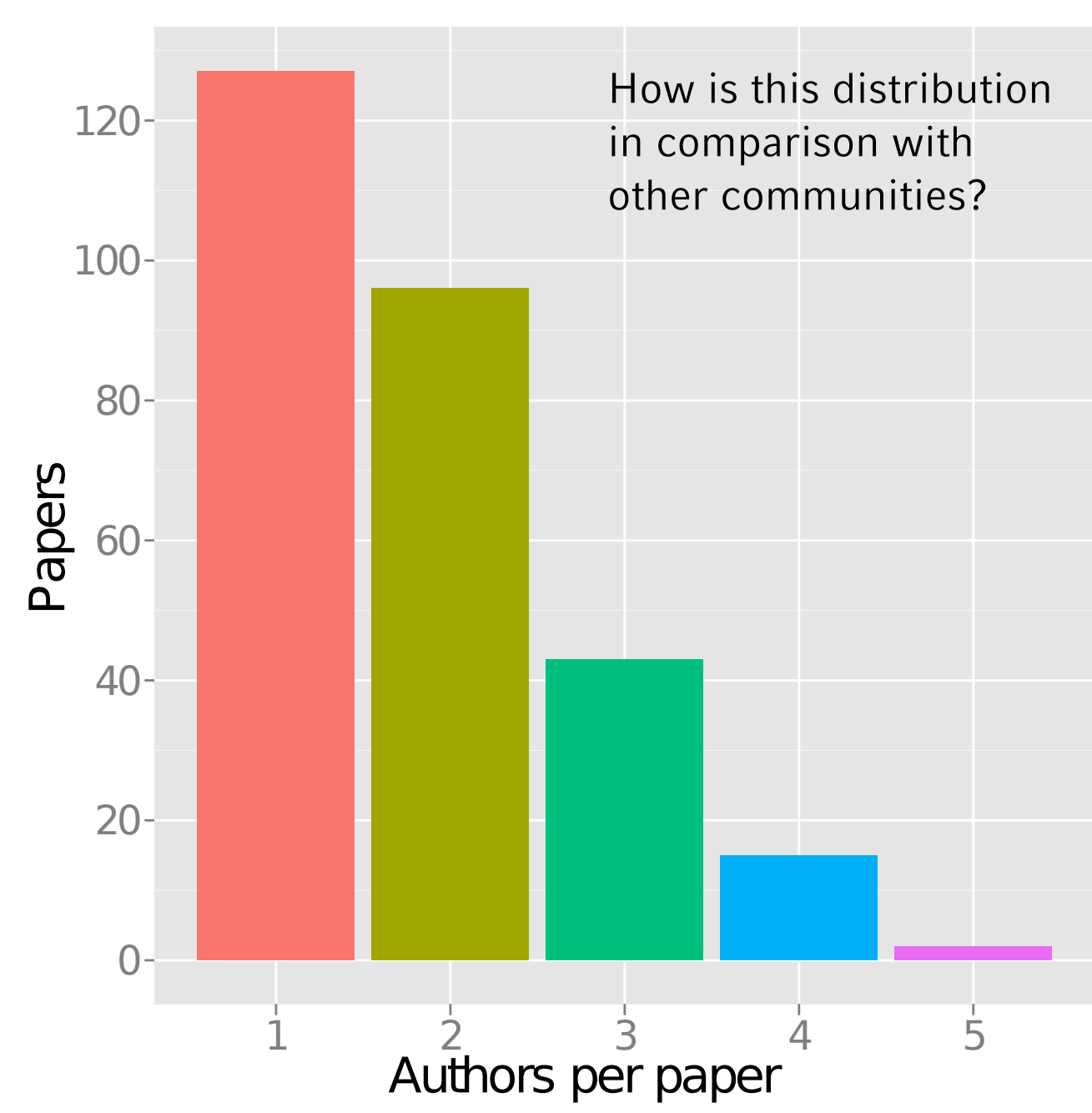
## 1. SIMPLE SUMMARY STATISTICS



## 2. AUTHORS AND CONTRIBUTIONS BY REGION



## 3. AUTHORS PER PAPER



## 4. PAPERS PER AUTHOR

Papers	1	2	3	4	5	6	7	8	10	11	12
Frequencies	154	46	19	14	7	7	1	1	2	1	3

Since 1999 most authors contributed one paper; the distribution has a long tail

Barbara Vantaggi (21):	7
Frank Coolen (70):	8
Serafin Moral (218):	10
Lev Utkin (139):	10
Fabio Cozman (61):	11
Thomas Augustin (237):	12
Gert de Cooman (82):	12
Marco Zaffalon (149):	12

## 5. REGULAR CONTRIBUTORS

Conferences	1	2	3	4	5	6
Frequencies	158	47	21	13	5	11

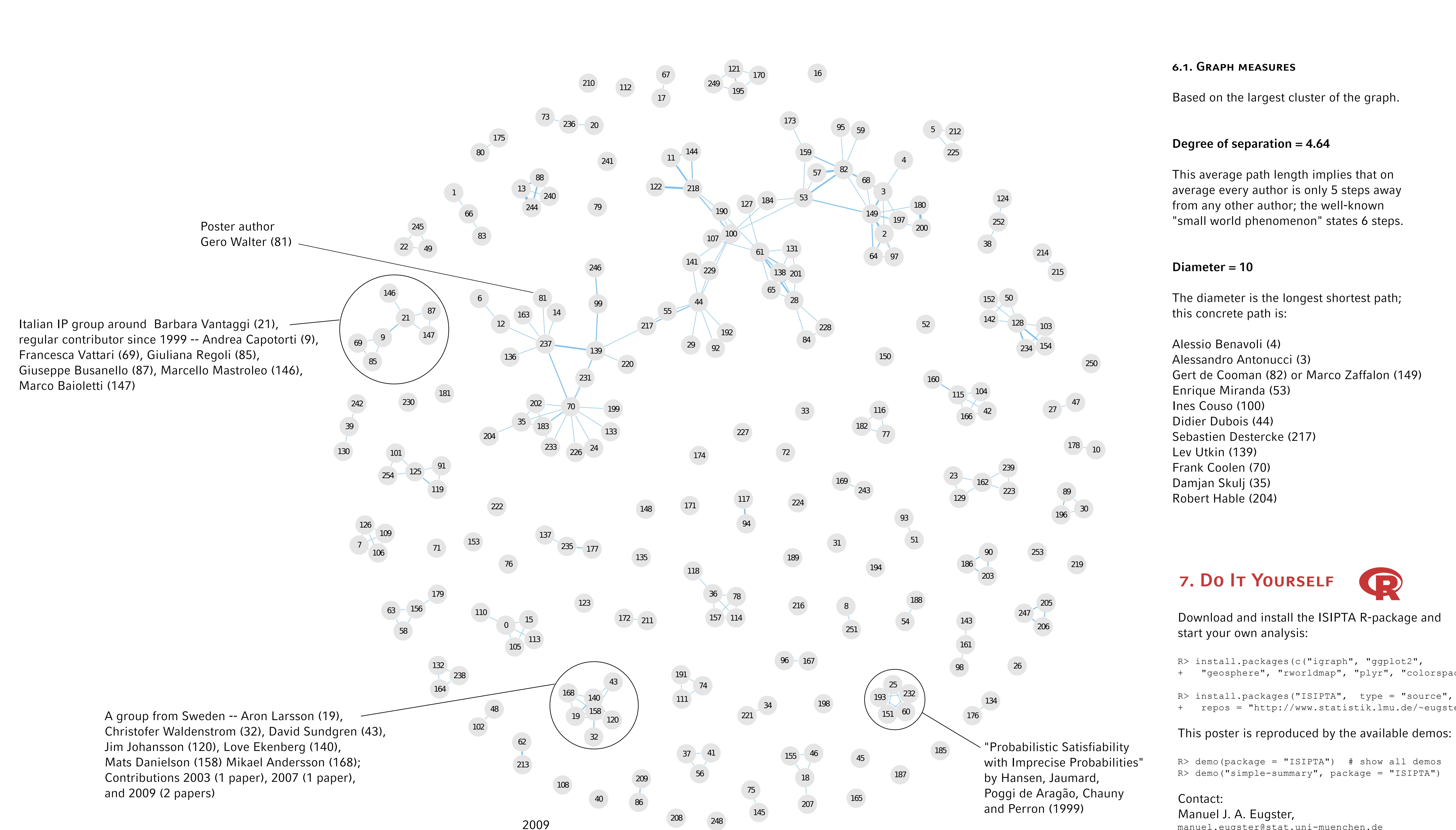
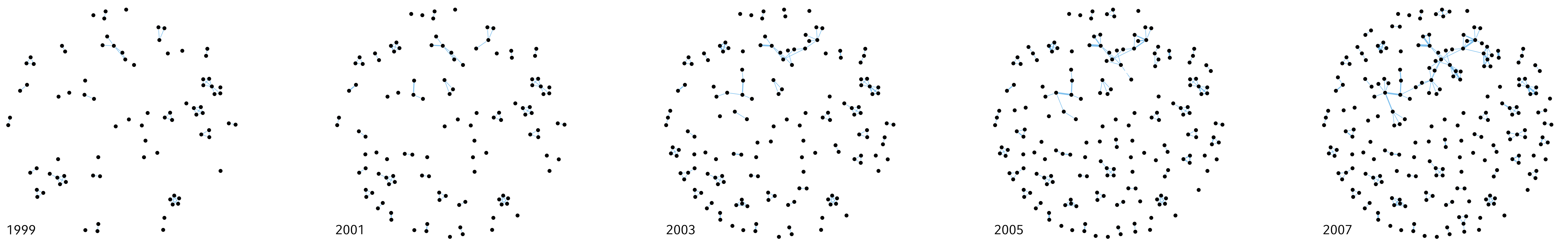
Angelo Gilio (13)	Paolo Vicig (180)
Barbara Vantaggi (21)	Robert Nau (205)
Fabio Cozman (61)	Serafin Moral (218)
Gert de Cooman (82)	Thomas Augustin (237)
Jirina Vejnarova (121)	Veronica Biazzo (244)
Lev Utkin (139)	

### 5.1. CONTRIBUTORS FLOW

Conferences	1999-2001	2001-2003	2003-2005	2005-2007	2
Absolut flow:	29	25	33	35	
Relative flow:	0.48	0.41	0.46	0.48	

Constant number of authors contributing again at the following conference; standardization by the maximal loss, i.e., the minimum of unique authors of two following conferences

## 6. COAUTHOR NETWORK



### 6.1. GRAPH MEASURES

Based on the largest cluster of the graph.

Degree of separation = 4.64

This average path length implies that on average every author is only 5 steps away from any other author; the well-known "small world phenomenon" states 6 steps.

Diameter = 10

The diameter is the longest shortest path; this concrete path is:

- Alessio Benavoli (4)
- Alessandro Antonucci (3)
- Gert de Cooman (82) or Marco Zaffalon (149)
- Enrique Miranda (53)
- Ines Couso (100)
- Didier Dubois (44)
- Sebastien Destercke (217)
- Lev Utkin (139)
- Frank Coolen (70)
- Damjan Skulj (35)
- Robert Hable (204)

## 7. DO IT YOURSELF

Download and install the ISIPTA R-package and start your own analysis:

```
R> install.packages(c("igraph", "ggplot2",
+ "geosphere", "rworldmap", "plyr", "colorspace"))
R> install.packages("ISIPTA", type = "source",
+ repos = "http://www.statistik.lmu.de/~eugster/")
```

This poster is reproduced by the available demos:

```
R> demo(package = "ISIPTA") # show all demos
R> demo("simple-summary", package = "ISIPTA")
```

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