

Analyzing a Fake News Authorship Network (370)

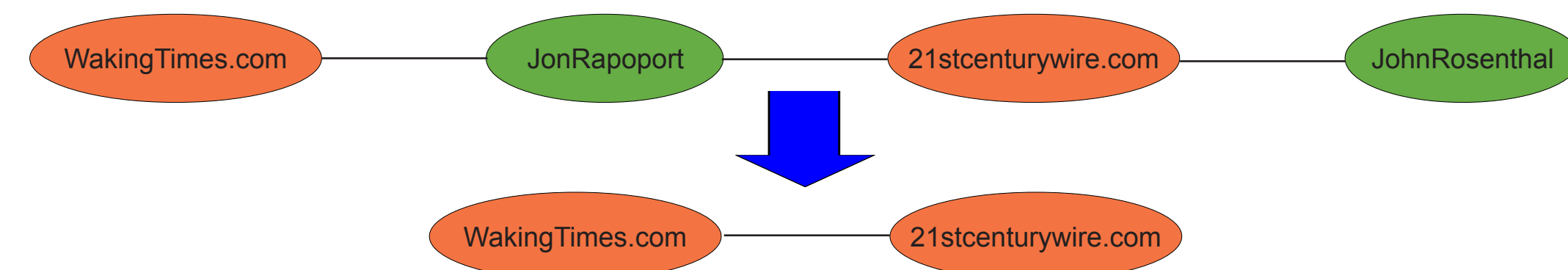
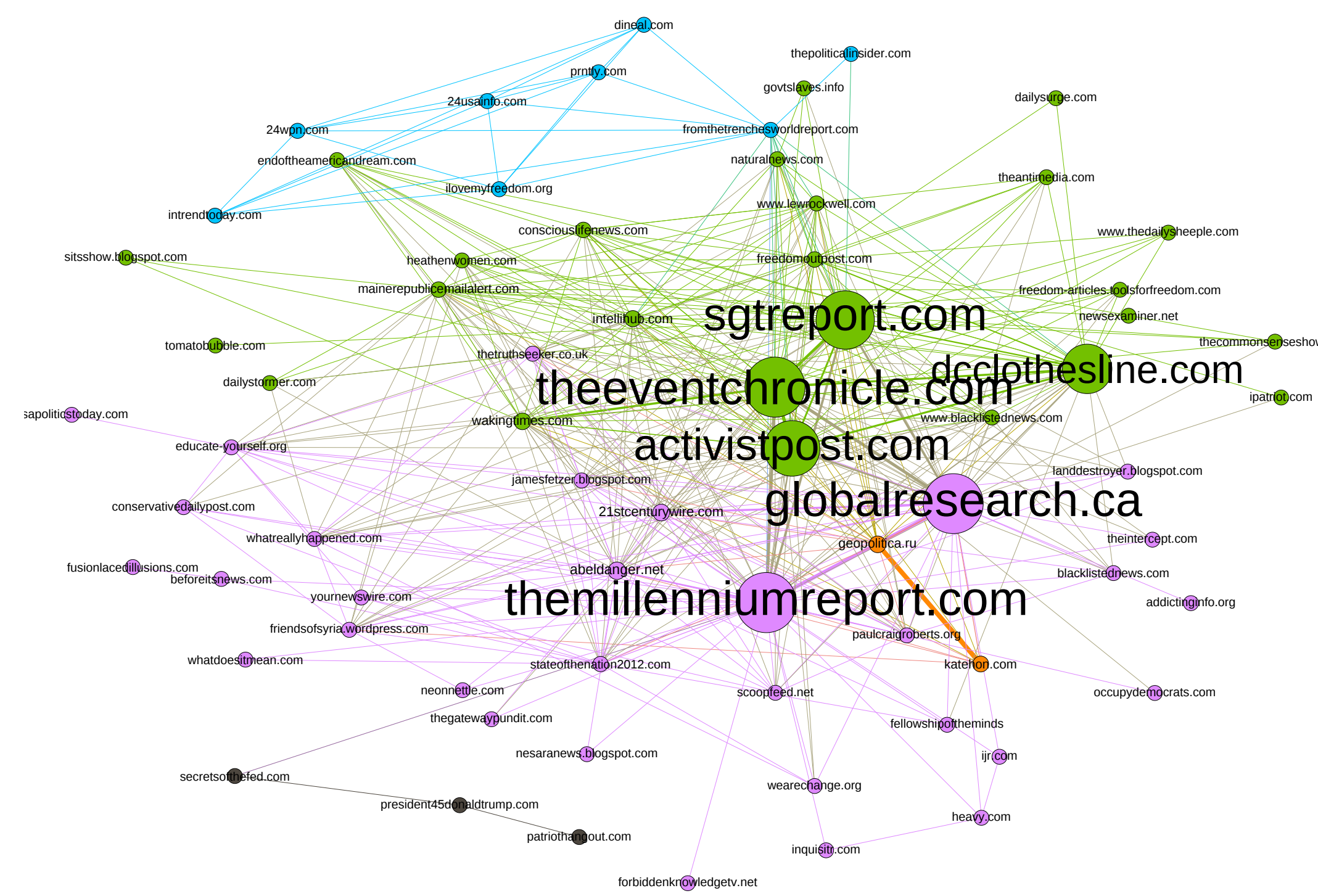
Cody Buntain (Poster Presenter) | cbuntain@nyu.edu | [@codybuntain](https://twitter.com/codybuntain) | SMaPP Lab | New York University

Jennifer Golbeck, Brooke Auxier, Biniyam Girum Assefa, Karen Boyd, Kristen M. Byers, Gursimran Chawla, Daniel Chen, Benjamin J. Cooper, Jake Cupani, Clay Daetwyler, Nicholas DeWitt, Suzanne Garcia, Christine Hafer, Misbah Khan, Elo Lewis, Marianna J. Martindale, Helen McNamara, Sean Alexander McWillie, Daniel Millay, Talal Munzar, Sean Mussenden, Nicholas Orji, Lisa Phung, Kristine M. Rogers, Christopher Anton Rytting, Tuba Shadan, Subhatra Sivam, Koralleen Stavish, Aditya Subramanian, Sai Tipirneni, Rrahul Topiwala, Melissa Wagner-Riston, Peratham Wiriyathammabhum, and Frazer Workneh | *University of Maryland, College Park*

Matthew Louis Mauriello | *Stanford University* and *Oregon State University*



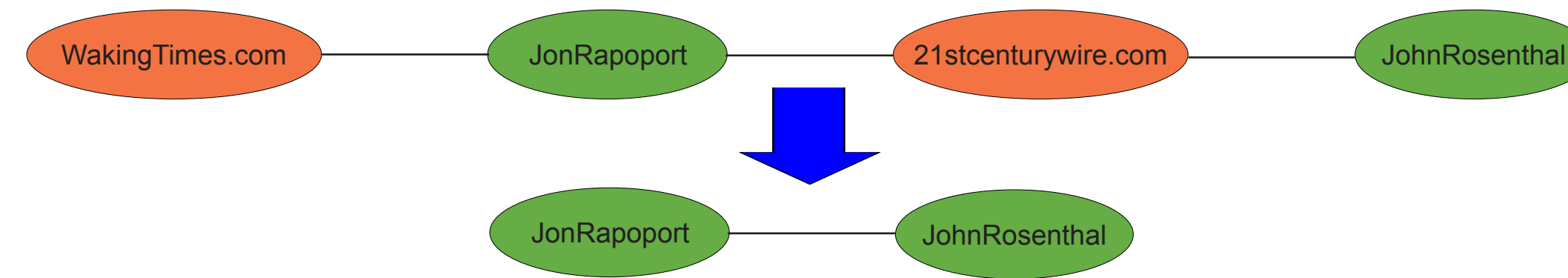
News Sites Network



- News site projection creates two top-level groups of domains:
- Group 1: Strong connections between Katehon.com and Geopolitica.ru
 - Group 2: Clustered around The Millenium Report
 - Dense connections with The Event Chronicle, GlobalResearch.ca, ActivistPost, and SgtReport.com

- We have five subgroups of domains:
- Group 1: Dense around the Event Chronicle, Activist Post, DC Clothes Line
 - Group 2: Clustered around The Millenium Report
 - Group 3: Clustered around Katehon.com and Geopolitica.ru
 - Group 4: Clustered around FromTheTrenchesWorldReport.com
 - Group 5: Clustered around President45DonaldTrump.com

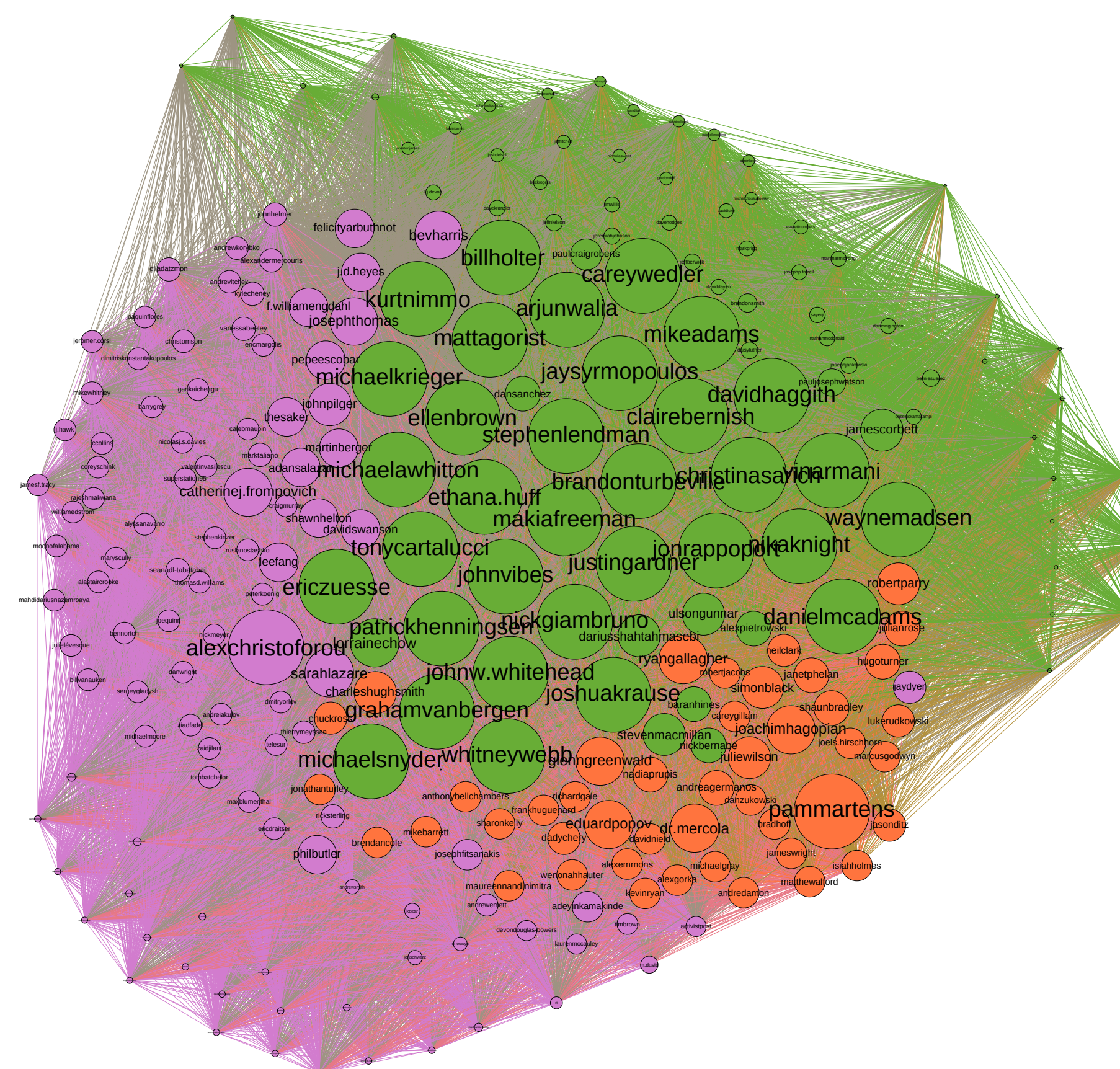
Authors Network



Author projection creates a dense network of three main communities of authors:

- Group 1: Authors around ActivistPost and the Event Chronicle
- Group 2: Authors around GlobalResearch.ca
- Group 3: Authors around Katehon.com and Geopolitica.ru

Top 5 authors all write for:



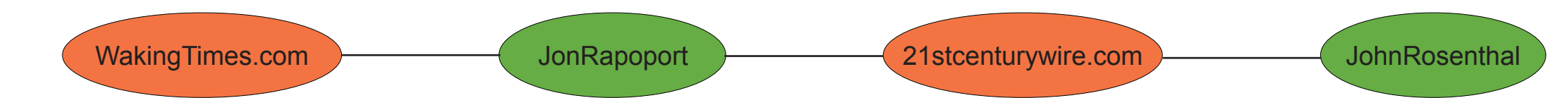
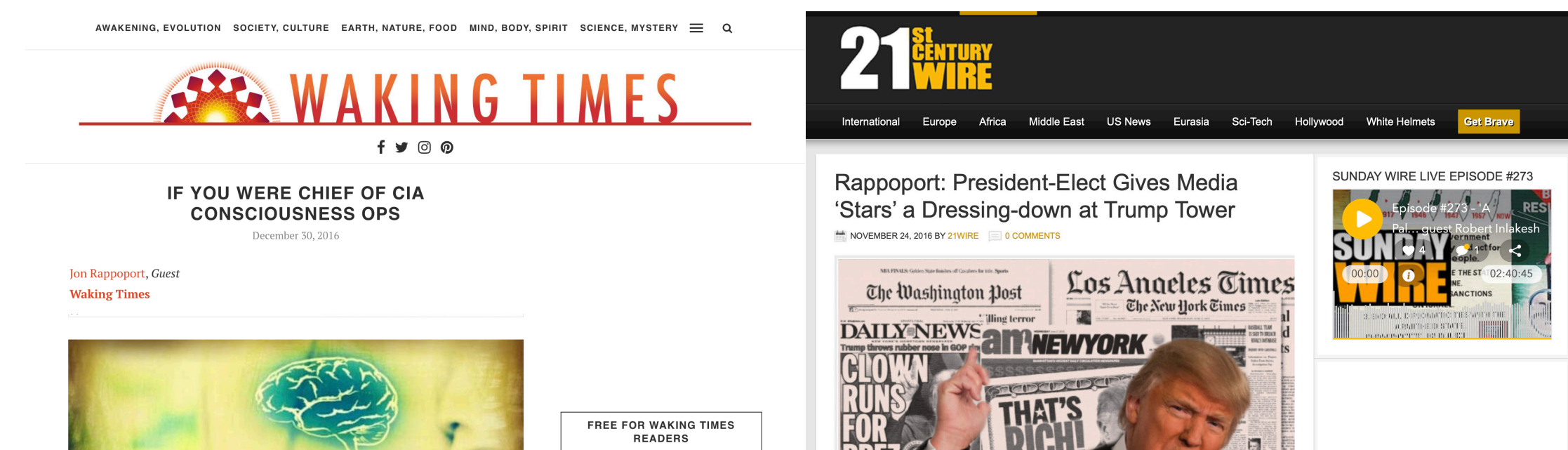
Data available at: <https://github.com/cbuntain/FakeNewsIConf2019>

Unifying Fake News Networks

Many datasets of “fake news” sites have been created in recent years. Surprisingly, these datasets do not have significant overlap. We merge datasets from three papers about fake news to create a dataset of 246 fake news web sites that were active in 2016.

Dataset Source	Domains
Golbeck, J., Mauriello, M., Auxier, B., Bhanushali, K. H., Bonk, C., Bouzaghane, M. A., ... Visnansky, G. (2018). Fake news vs satire: A dataset and analysis. WebSci 2018 - Proceedings of the 10th ACM Conference on Web Science, 17-21.	96
Guess, A., Nyhan, B., & Reifler, J. (2018). Selective exposure to misinformation: evidence from the consumption of fake news during the 2016 U. S. presidential campaign.	92
Starbird, K. (2017). Examining the Alternative Media Ecosystem through the Production of Alternative Narratives of Mass Shooting Events on Twitter. International AAAI Conference on Web and Social Media (ICWSM).	79
Unique Fake News Domains	246

Building Bipartite Author Networks



- Collection Statistics:
- Analyzed 152 sites
 - Identified 4,966 authors
 - Found 6,387 author-domain pairs



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