

# Analyzing Shift in Narratives Regarding Migrants in Europe via Blogosphere

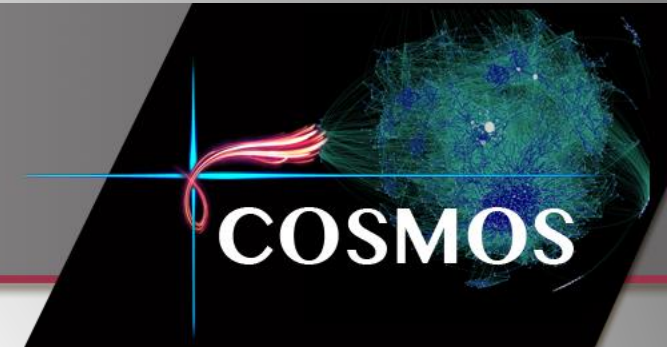
Muhammad Nihal Hussain, Kiran Bandeli, Samer Al-khateeb, Nitin Agarwal\*

\*Maulden-Entergy Endowed Chair and Distinguished Professor of Information Science

Collaboratorium for Social Media and Online Behavioral Studies (COSMOS)

[mnhussain@ualr.edu](mailto:mnhussain@ualr.edu)

University of Arkansas at Little Rock, USA.

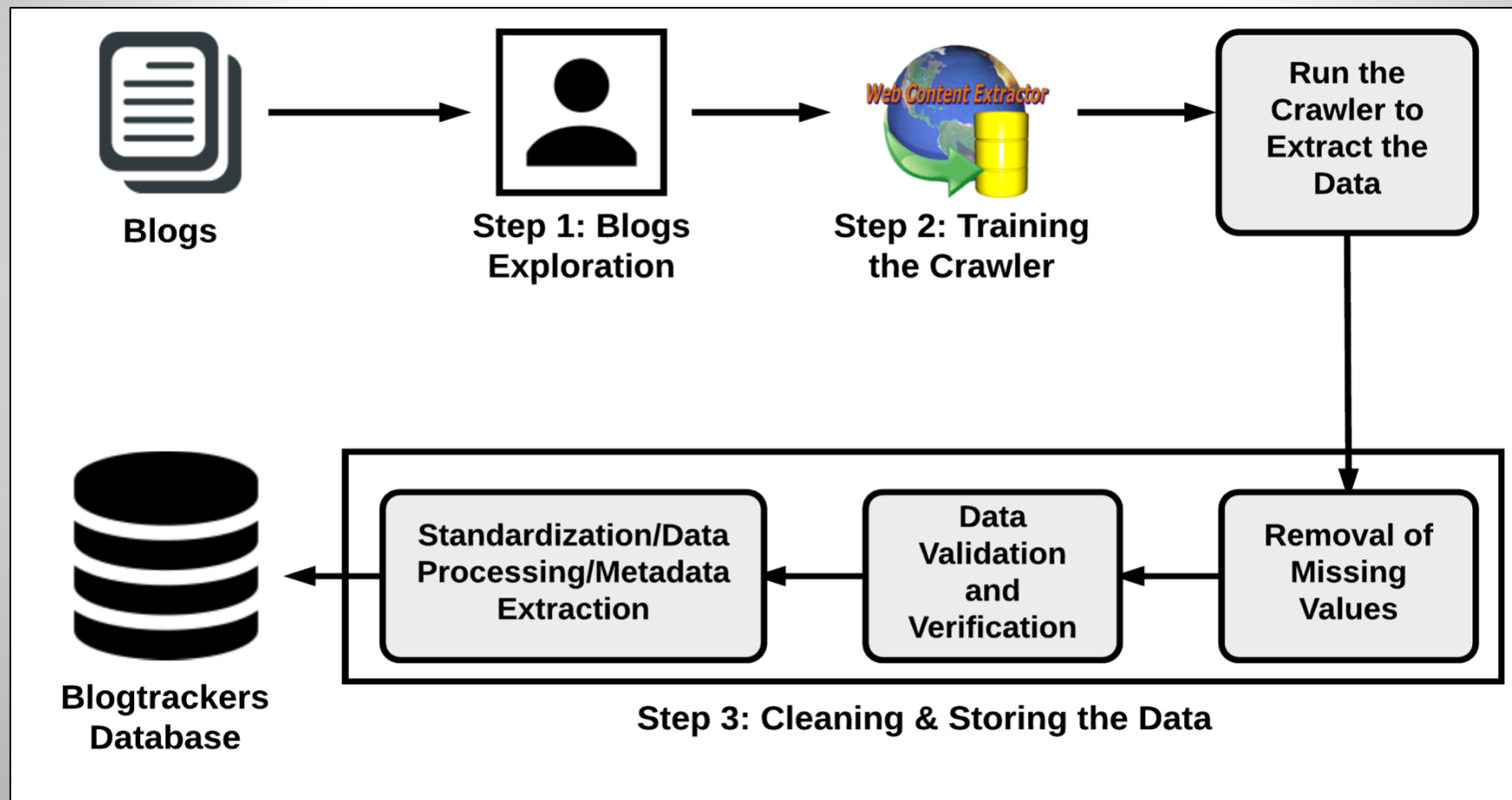


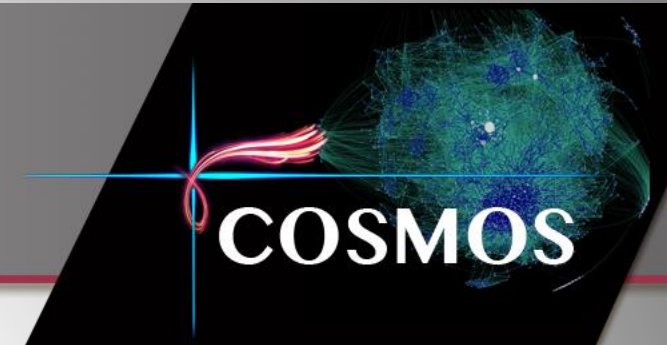
- Motivation/Goal
- Data Collection Methodology
- Data Description
- Blogtrackers Analysis
  - Posting Frequency
  - Keyword Trends
  - Influence
  - Sentiment Analysis
  - Targeted Sentiment
- Conclusion
- Future Work

- Does blogosphere provide useful information for event analysis?







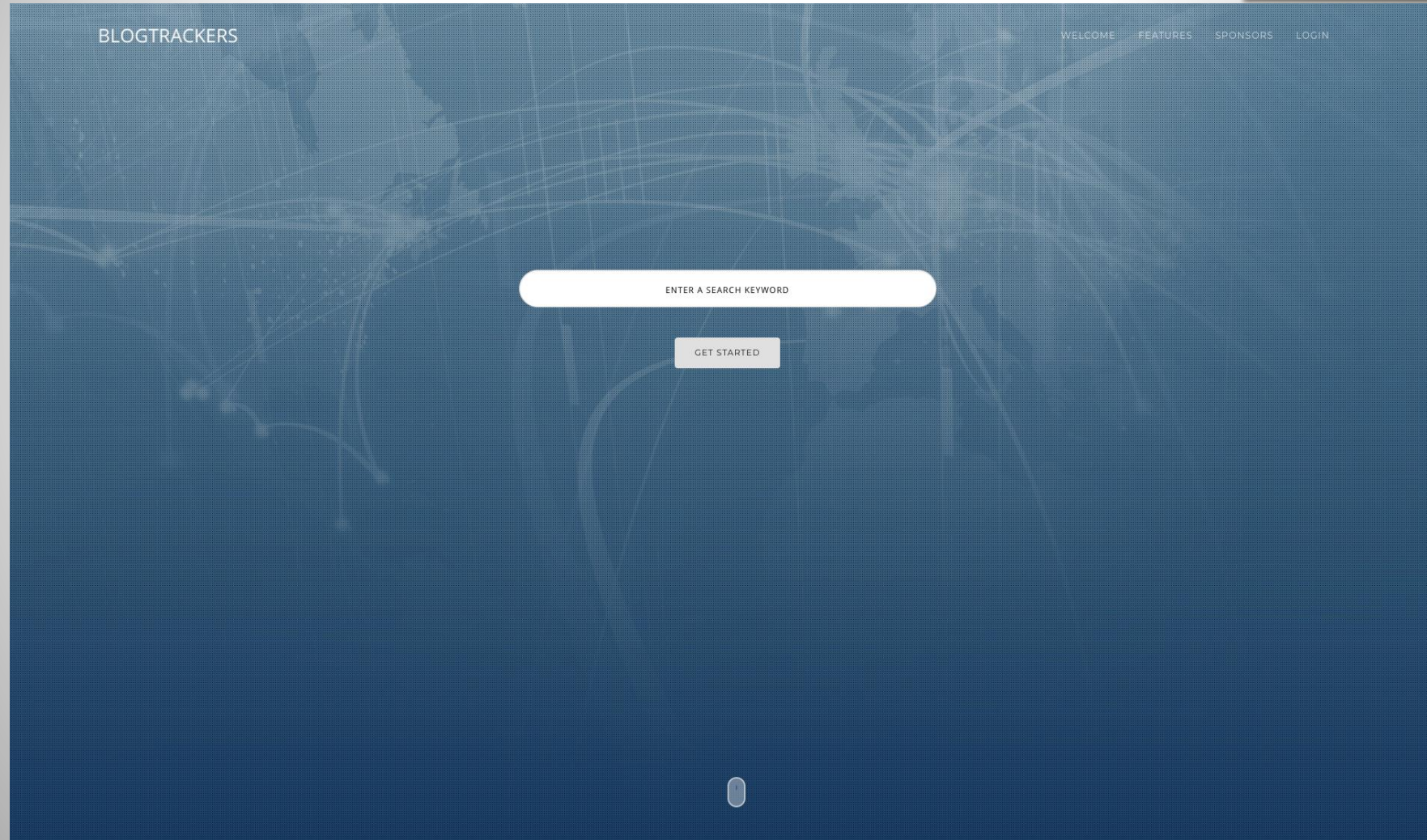
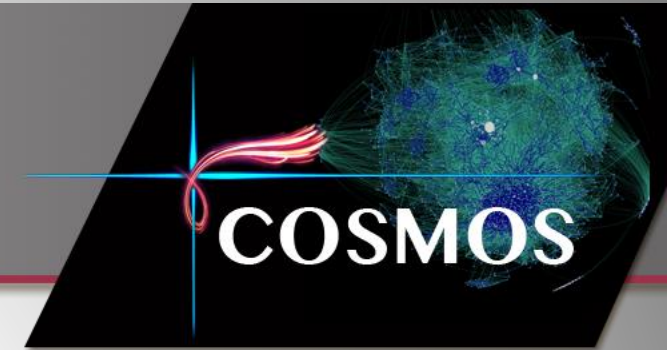


- 22 blogs
- 9183 blog posts
- More than 37608 links
- 169,846 entities
- Earliest post from December 2005
- Period of Analysis January 2015 to March 2016

Language	Blogs
English	22
German	3
Greek	2
Italian	1
Albanian	1
Croatian	1
Danish	1
Fulfulde Adamawa	1
Portuguese	1
Serbian	1
Czech	1
Finnish	1
Hawaiian	1
Polish	1
Turkish	1

# Blogtrackers

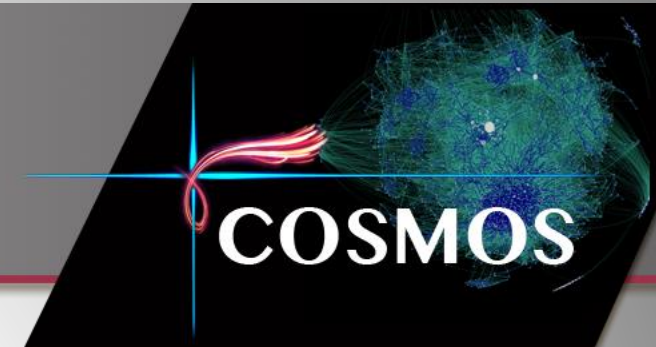
(<http://blogtrackers.host.ualr.edu/>)



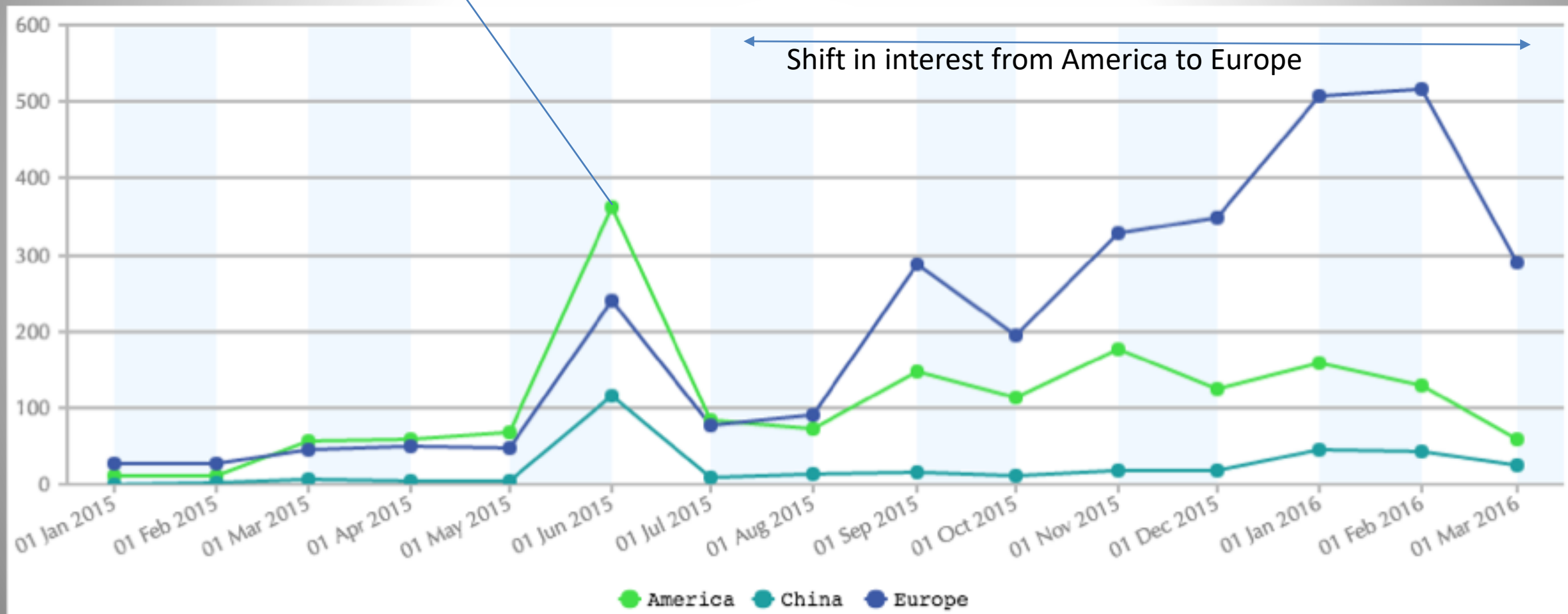




# Keyword Trends

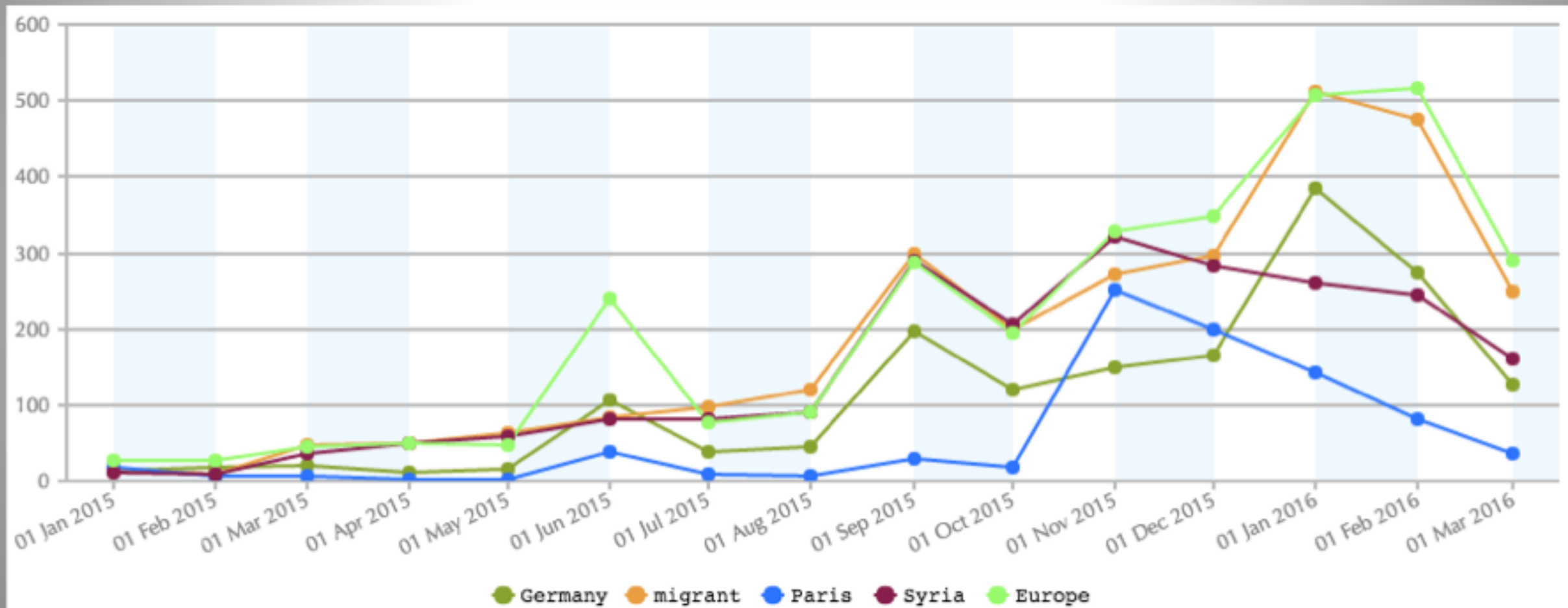
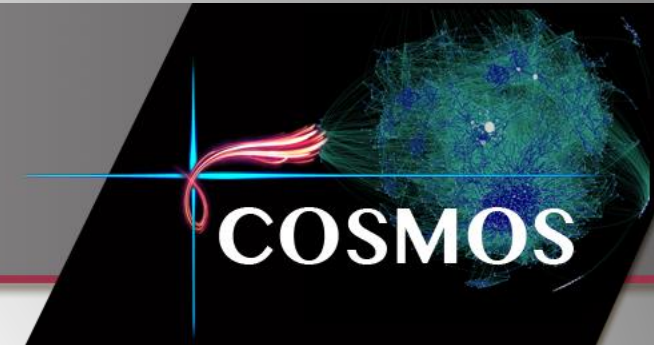


USA was involved in many sub-events in June 2015



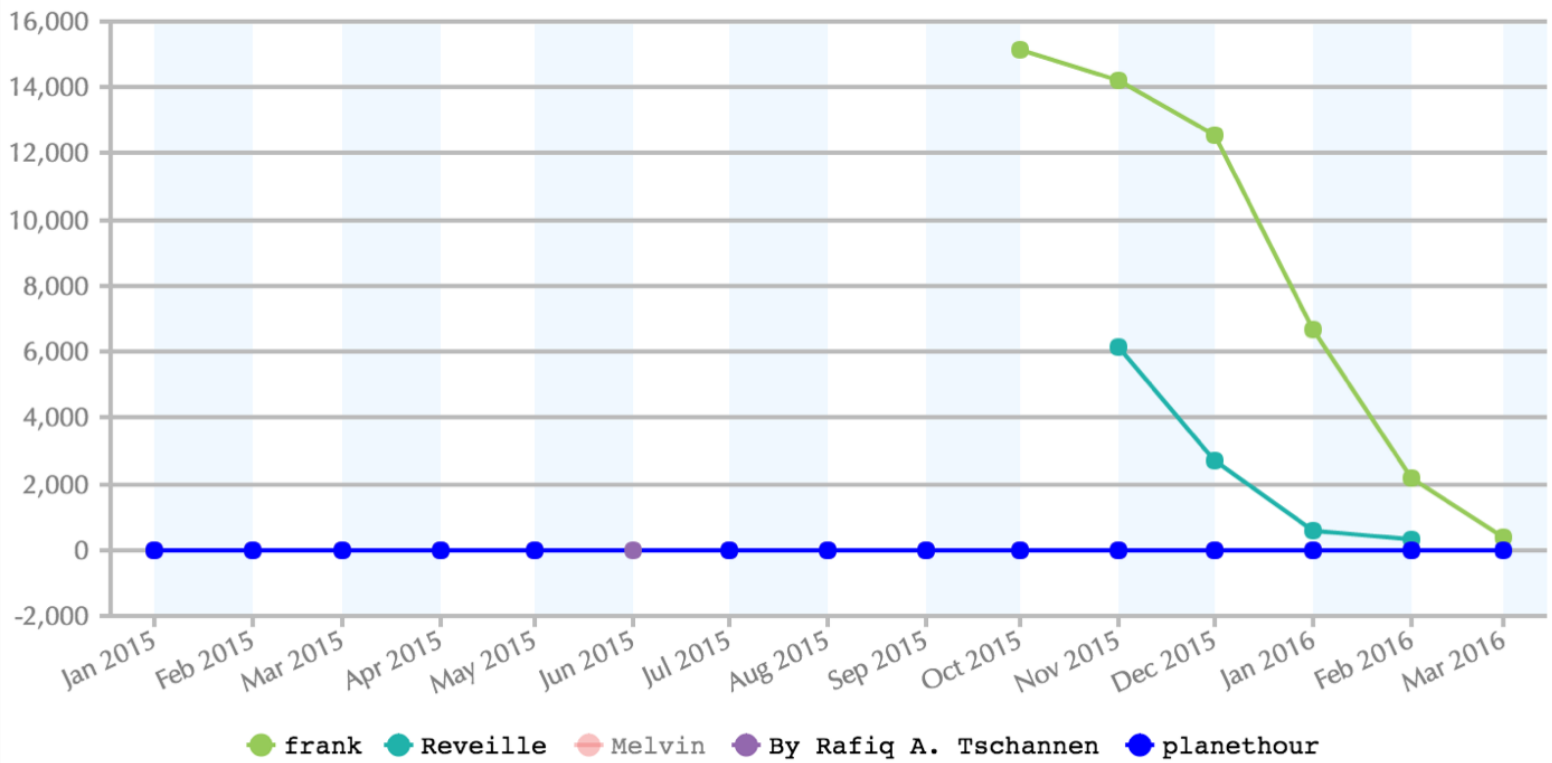


# Keyword Trends



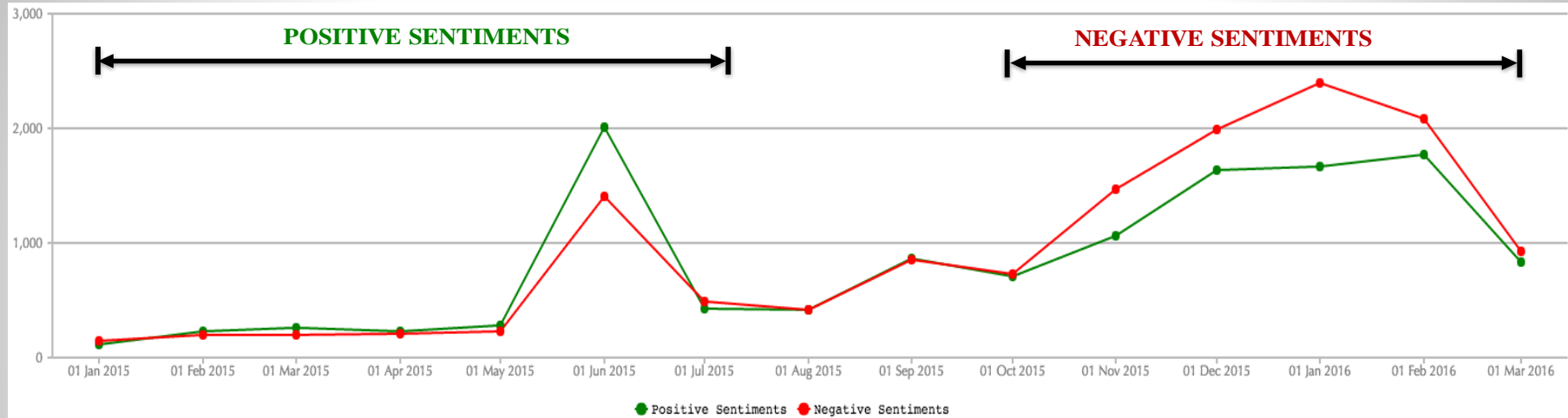
# Influence

- Blogosphere was rattled by Paris attacks - Posts about Paris attacks had highest influence



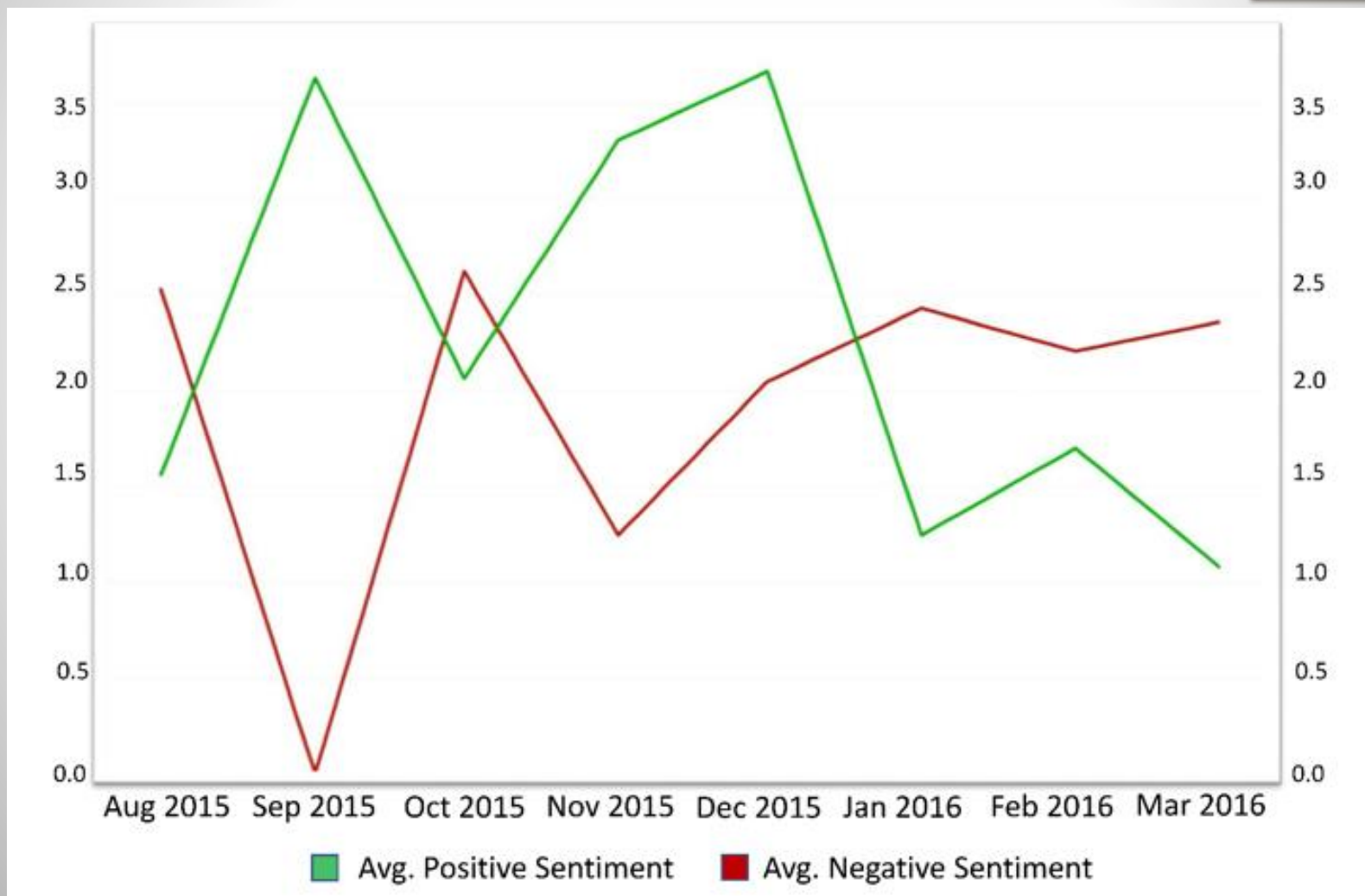
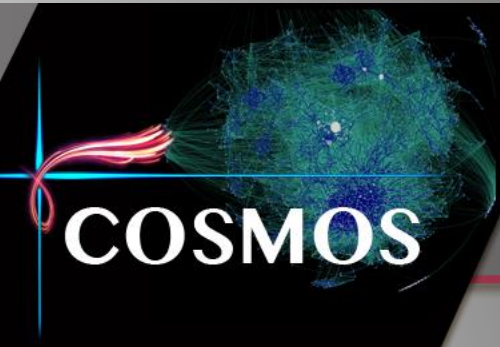
Blog post title	Blogger
Nonstop investigation: Third body found in Paris attacks flat	Frank
Paris attacks result from France's aiding of rebels: Syria's President Assad	Reveille
Porche Carrera: Paul Walker was responsible for his own death	Reveille
Canadian Prime Minister Justin Trudeau: Canada to end airstrikes in Syria and Iraq	Frank
Syria: Obama send special operations	Frank
Australian racing mourns young jockey Tim Bell's accidental death in Singapore	Frank
Bombs wont beat ISIS, Canada's new PM is right	Frank

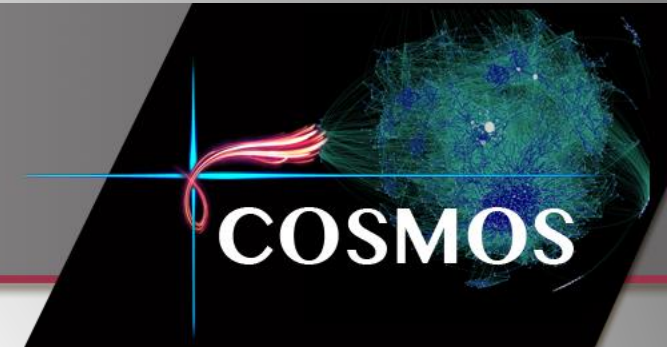
# Sentiment Analysis



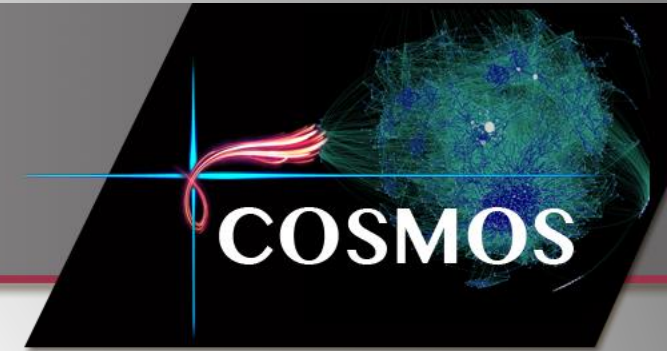


# Targeted Sentiment Analysis



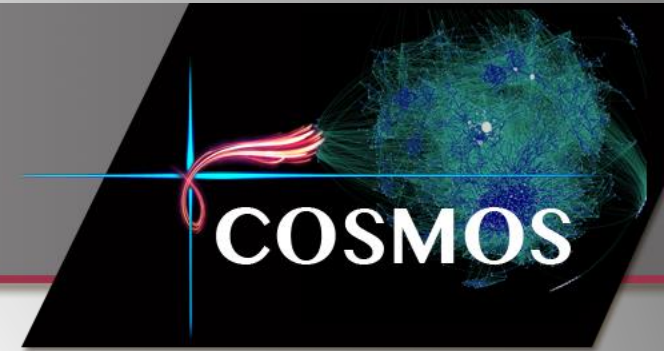


- Complete flip in sentiments in blogosphere from positive to negative towards the refugees after the Paris attacks. Blogosphere was rattled by the Paris attacks and post related to the attacks had high influence.
- But assaults in Germany around new year had changed narrative toward migrants
- Blogs provide a many-to-many broadcast medium, everything digital migrates to blogs, framing and agenda-setting
- Blogosphere is a relevant information environment to study events, related discourse, and leading narratives.



- Discourse analysis to study how narratives evolve over the course of an event(s).
- Cross-media analysis to understand how conversation travels from one channel to another.





This research is funded in part by the

- U.S. National Science Foundation,
- U.S. Office of Naval Research,
- U.S. Air Force Research Lab,
- U.S. Army Research Office,
- U.S. Defense Advanced Research Projects Agency, and
- Jerry L. Maulden/Entergy Fund at the UA-Little Rock.

Thank you!

[mnhussain@ualr.edu](mailto:mnhussain@ualr.edu)

<http://blogtrackers.host.ualr.edu/>