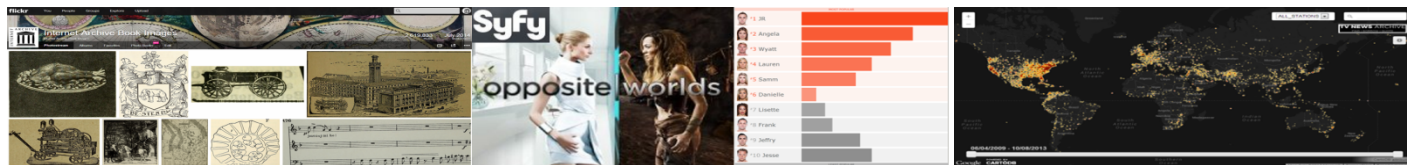
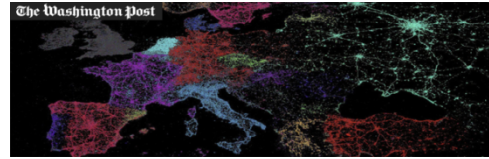
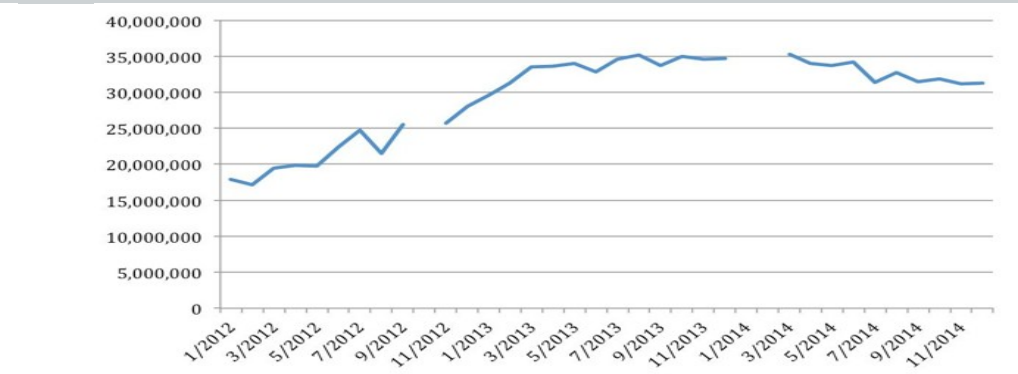
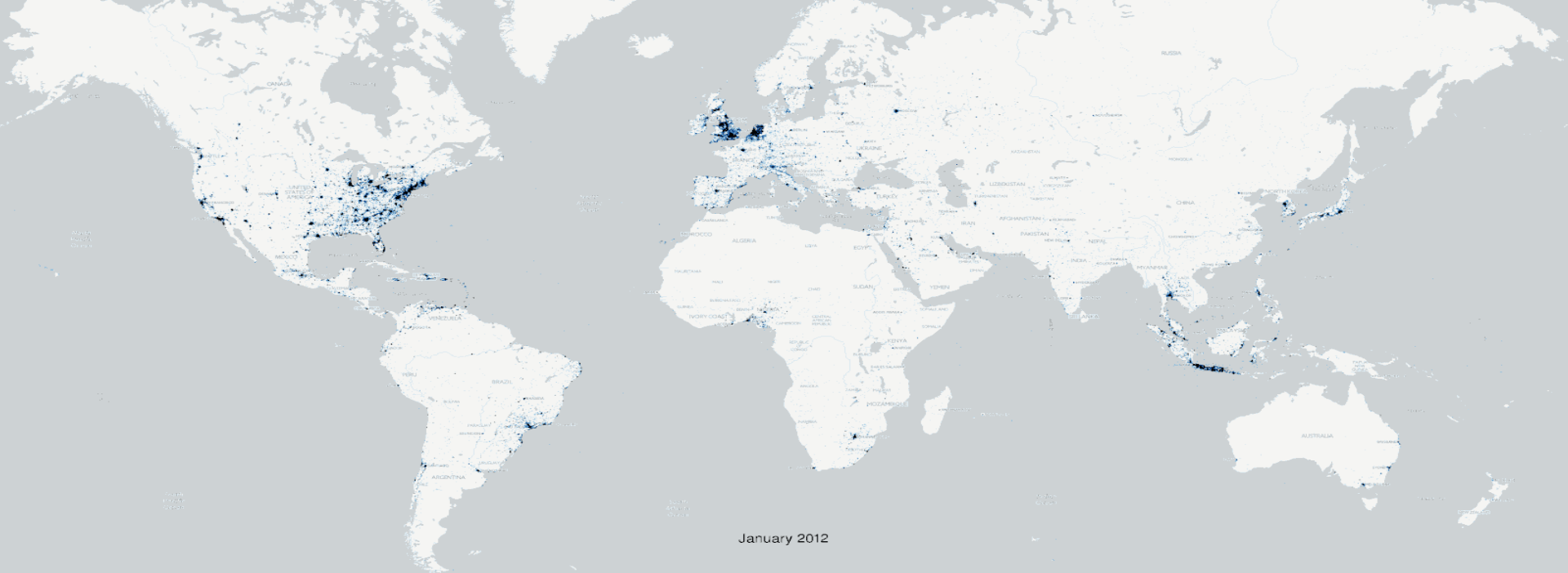


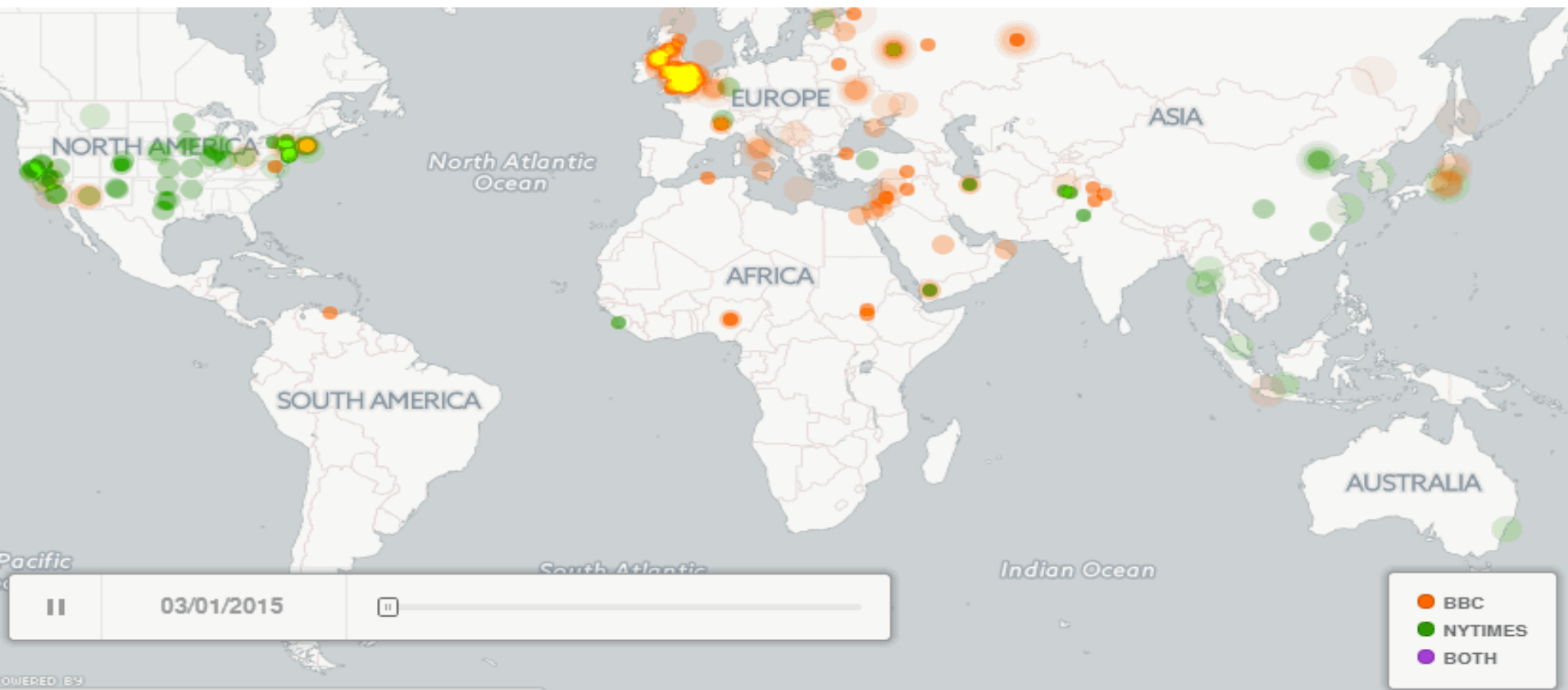


- Mapping complete English text of Wikipedia: 80M locations and 40M dates via fulltext geocoding
- First large-scale examination of the geography of social media: Global Twitter Heartbeat
- Tracing spread of ideas through space over millions of books
- Spatial visualization of millions of declassified State Dept cables
- Compiling the world's constitutions in digital form
- First large-scale study of how social media is used in conflict
- Mapping half a million hours of American television news (2.7 billion words of closed captioning)
- First live emotional “leaderboard” for television (NBC/Syfy)
- All the images of 600 million pages of books from 1,000 libraries and dating back 500 years







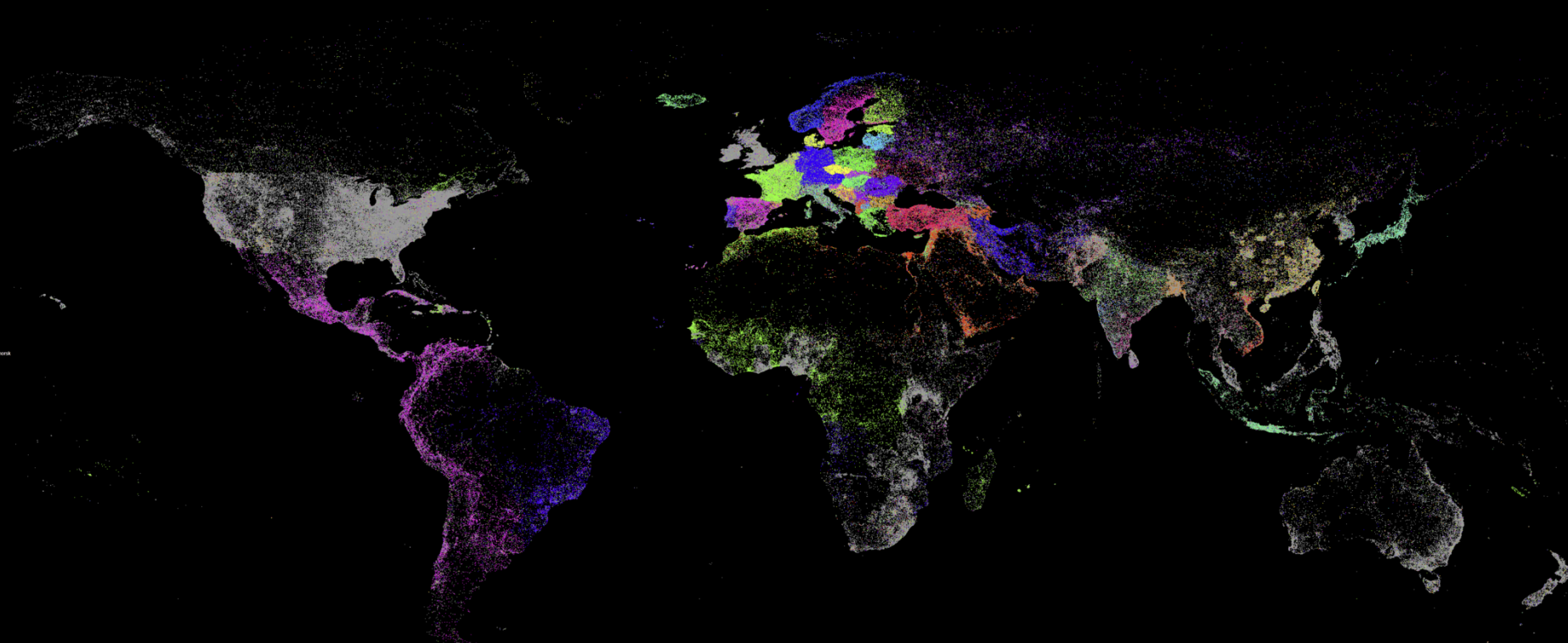




Datasets

- **NEWS**: Worldwide local news coverage in 100 languages (65 live translated) – online news preserved via Internet Archive
- **TELEVISION**: Collaboration with the Internet Archive to process more than 100 television stations across the US, updating daily
- **ACADEMIC LITERATURE**: 21 billion words covering 70 years (JSTOR/DTIC/CORE/CITeseer/IA)
- **BOOKS**: Collaboration with Internet Archive and HathiTrust to process 3.5 million books 1800-2015
- **HUMAN RIGHTS**: Half century of worldwide human rights reports
- **IMAGERY**: Large fraction of global news imagery processed via deep learning: objects/activities, OCR, logos, facial sentiment, geolocation

- English
- German
- French
- Afrikaans
- Albanian
- Arabic
- Armenian
- Azerbaijani
- Bengali
- Bosnian
- Bulgarian
- Catalan
- Chinese
- Croatian
- Czech
- Danish
- Dutch
- Estonian
- Finnish
- French
- Galician
- Georgian
- Greek
- Hebrew
- Hindi
- Indonesian
- Irish
- Hungarian
- Icelandic
- Indonesian
- Italian
- Japanese
- Kannada
- Kashmiri
- Korean
- Latvian
- Lithuanian
- Malay
- Malayalam
- Maltese
- Nepali
- Norwegian
- Norwegian/Bokmål
- Polish
- Portuguese
- Punjabi
- Romanian
- Russian
- Serbian
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- Swedish
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- Swedish
- Swedish
- Tamil
- Telugu
- Thai
- Turkish
- Ukrainian
- Urdu
- Vietnamese

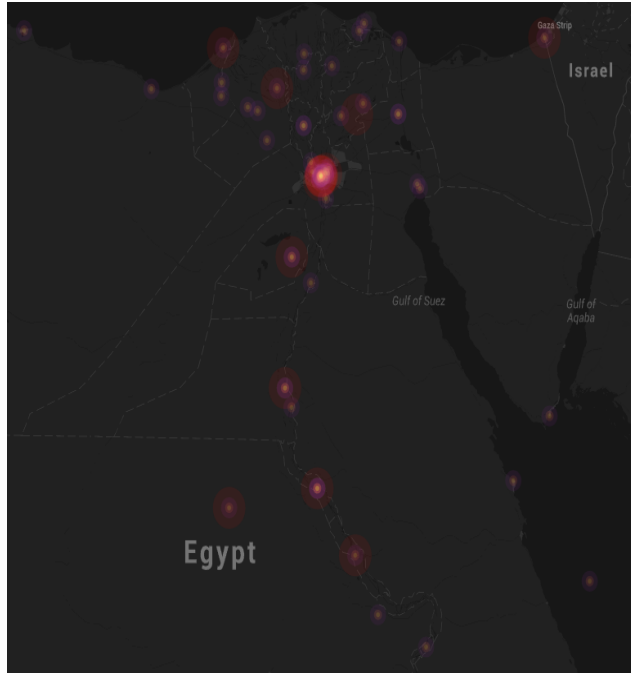


Global Event Database

BAGHDAD. Iraqi leaders criticized Turkey on Monday for bombing Kurdish militants in northern Iraq with airstrikes that they said had left at least one woman dead.

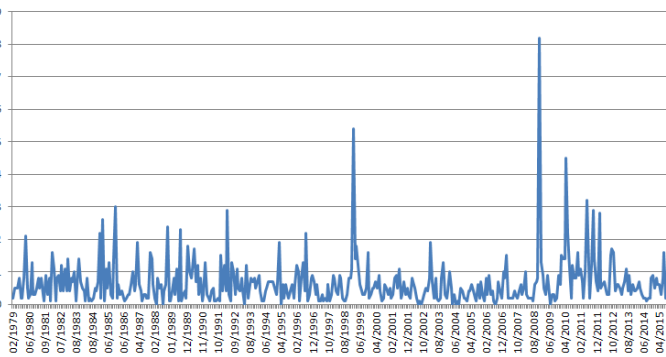
Event Code: 111
Source: IRQ GOV
Target: TUR

Event Code: 223
Source: TUR
Target: IRQKRD REB



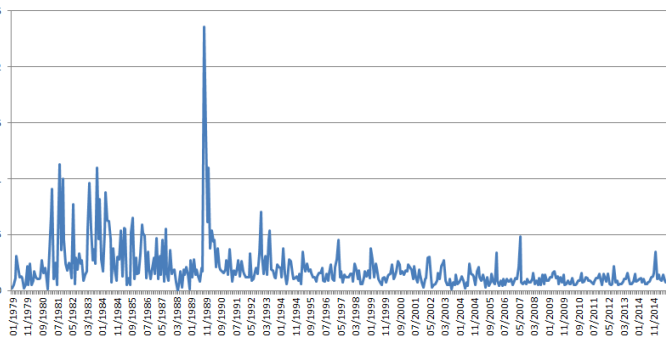
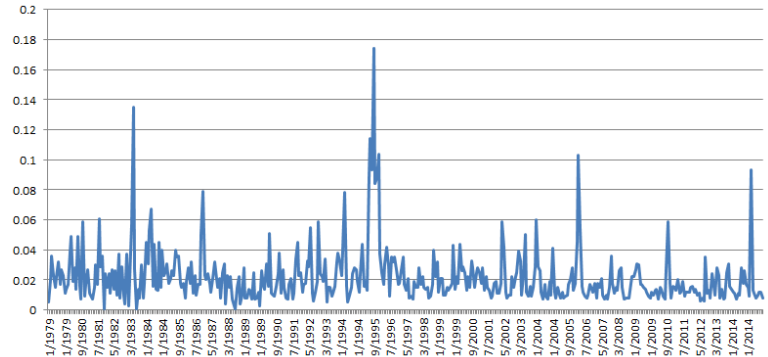
Global Knowledge Graph





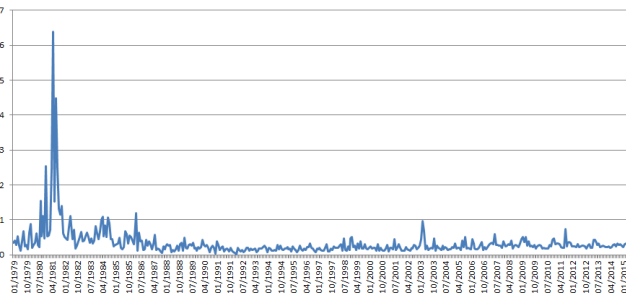
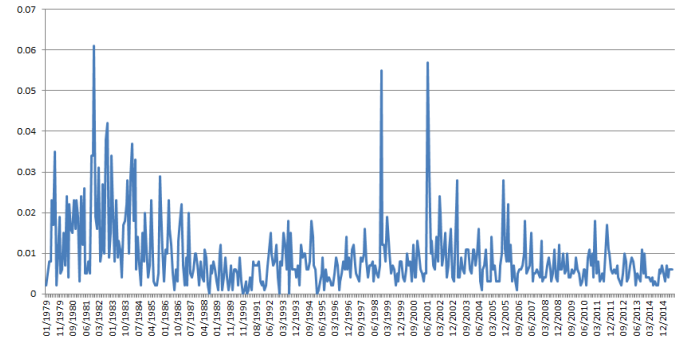
Greece

France



Germany

Italy



United Kingdom



Instability

Burundi - 12/13/2015

Tone

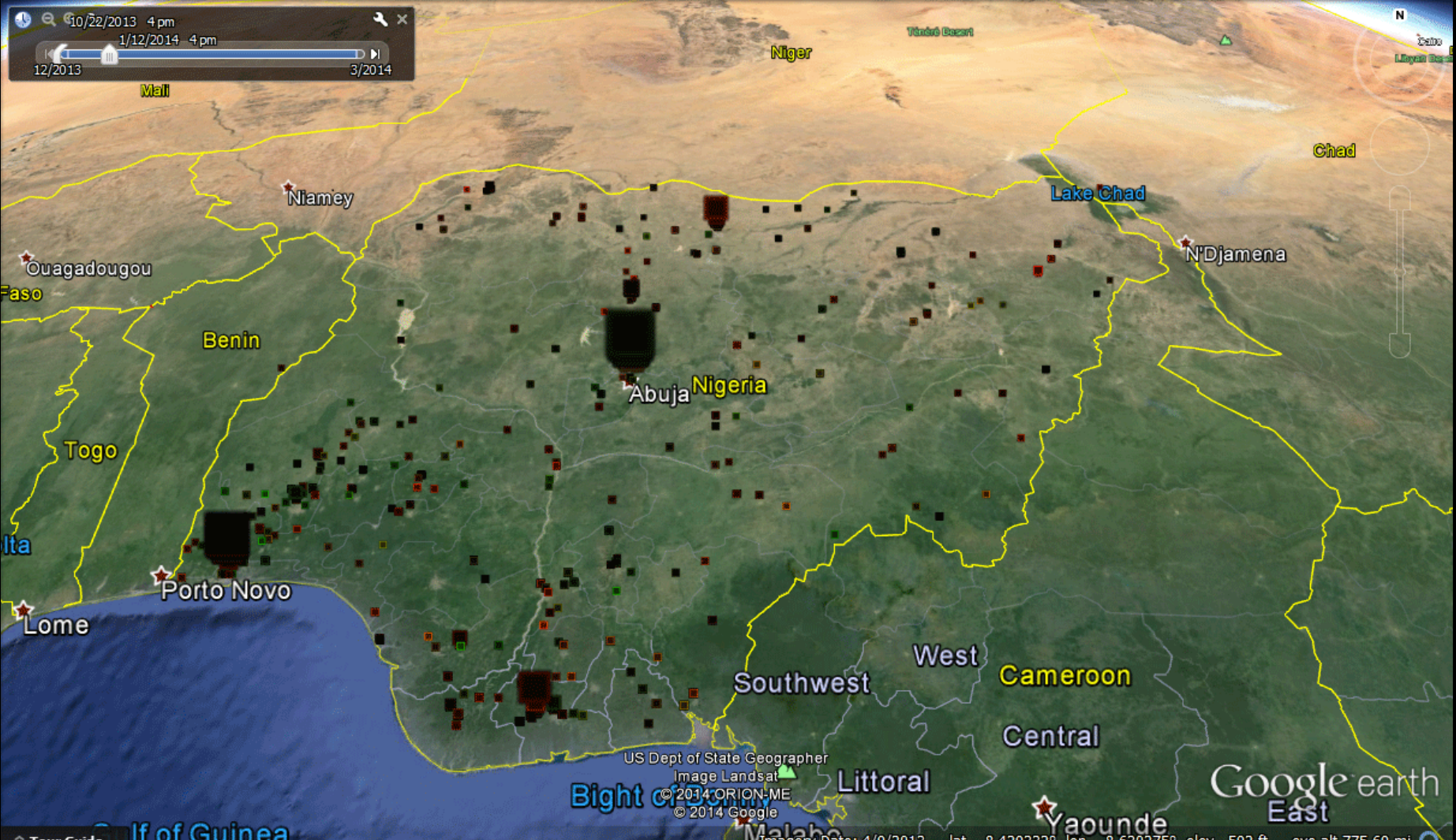


Topics

Media Attention

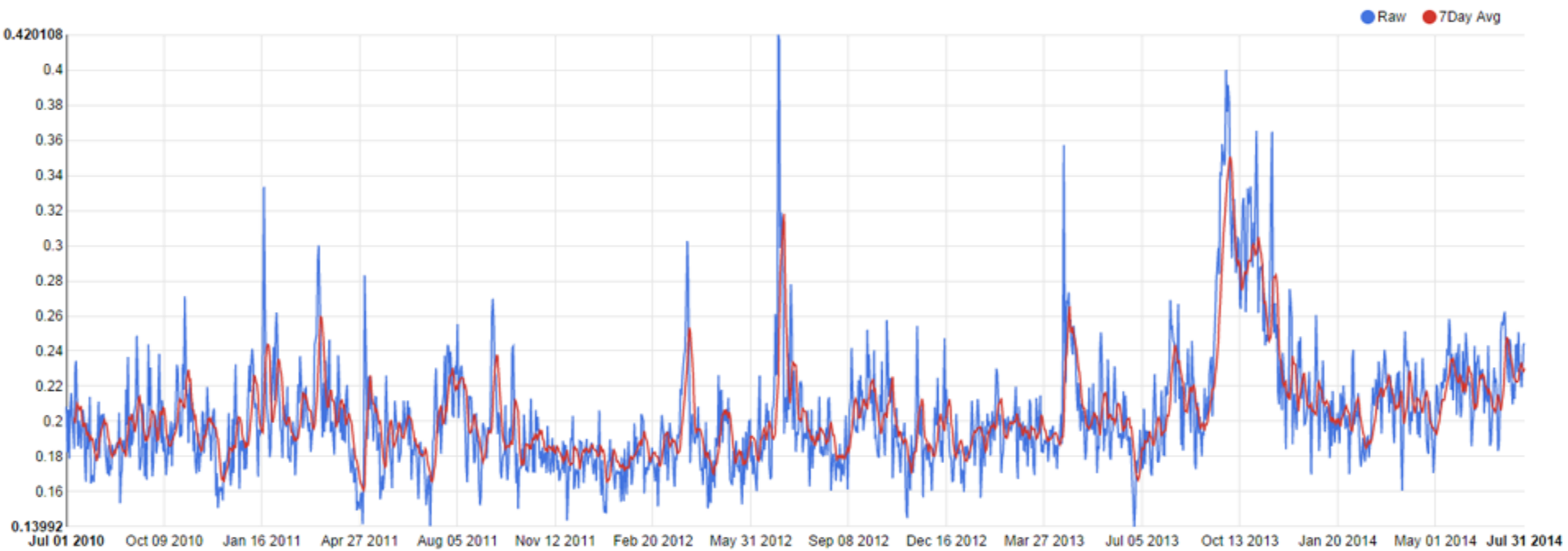


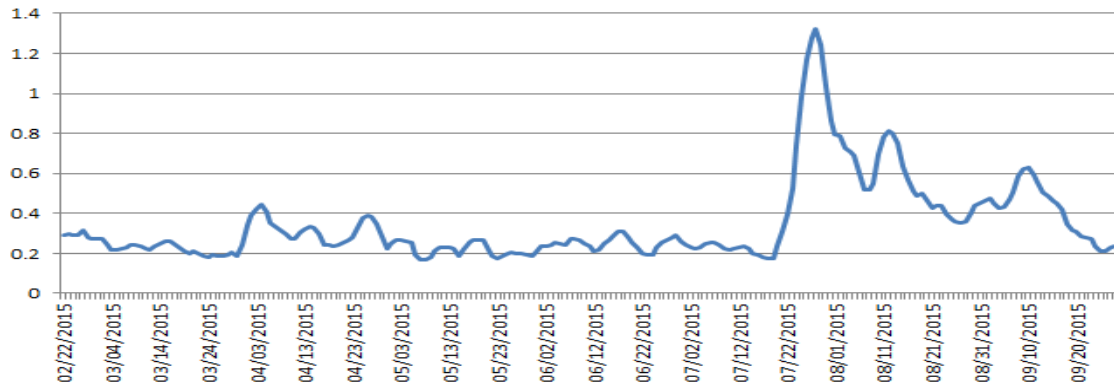
10/22/2013 4 pm
1/12/2014 4 pm
12/2013 3/2014
Mail



US Dept of State Geographer
Image Landsat
© 2014 ORION-ME
© 2014 Google

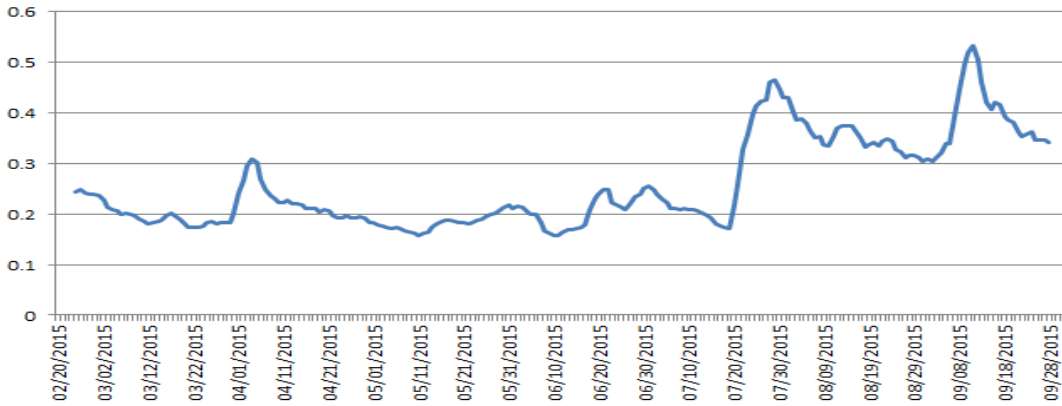
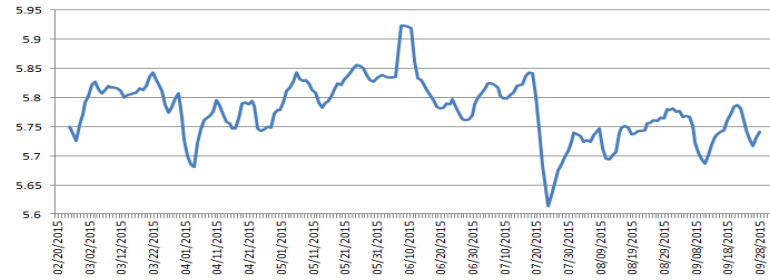
Google earth
East



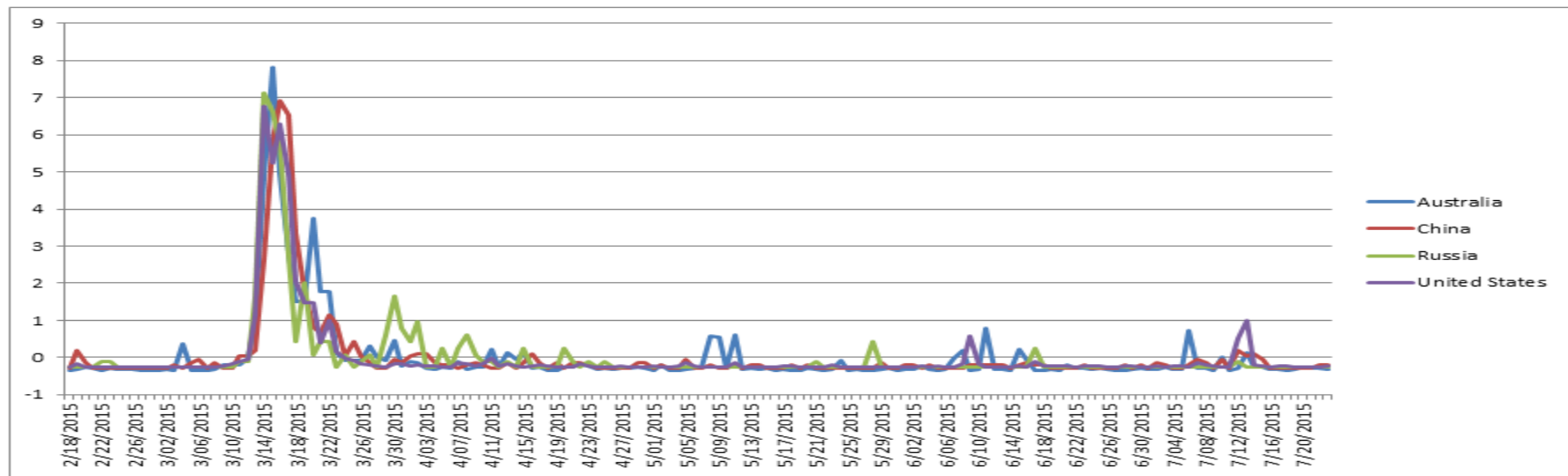
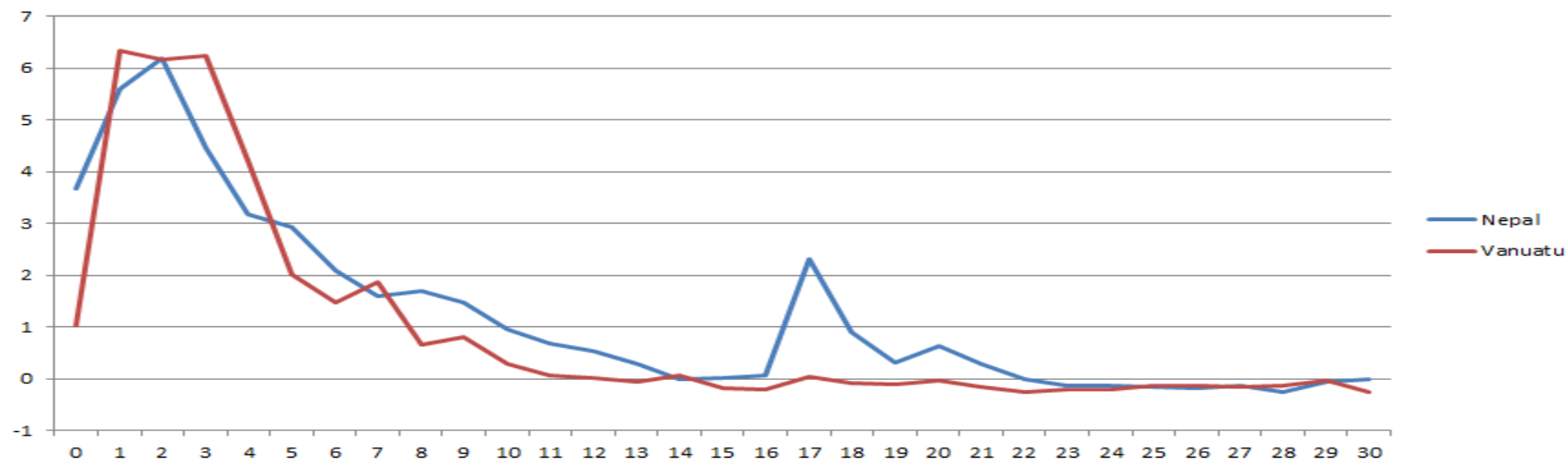


Physical Unrest

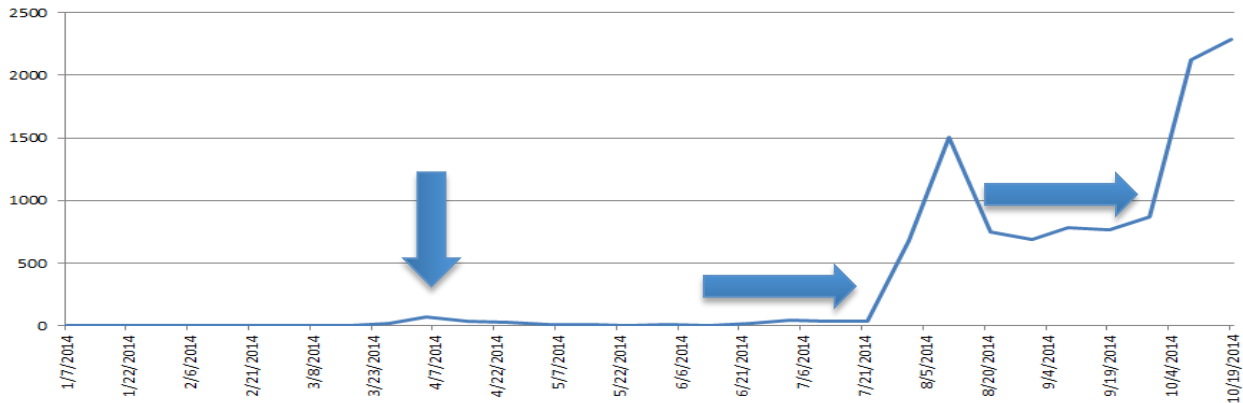
Positive/Negative: “Cautiously Optimistic” Trending



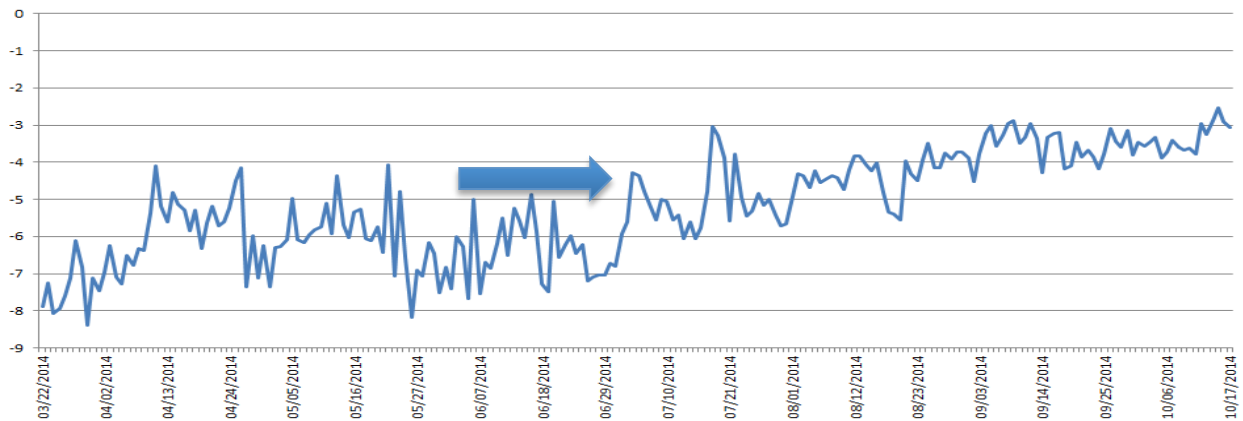
Anxiety



US Ebola News Coverage



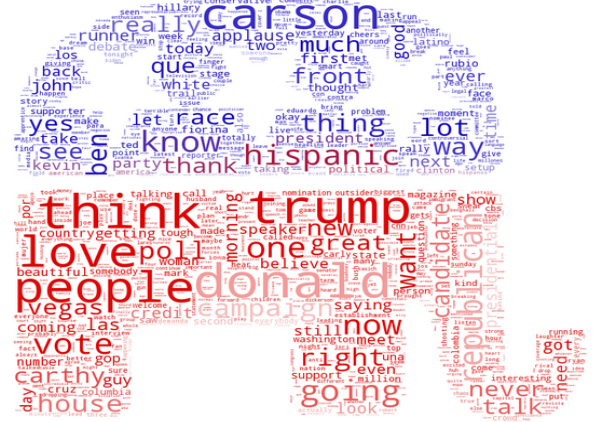
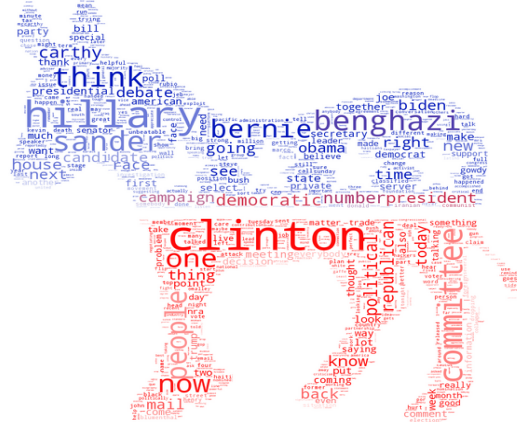
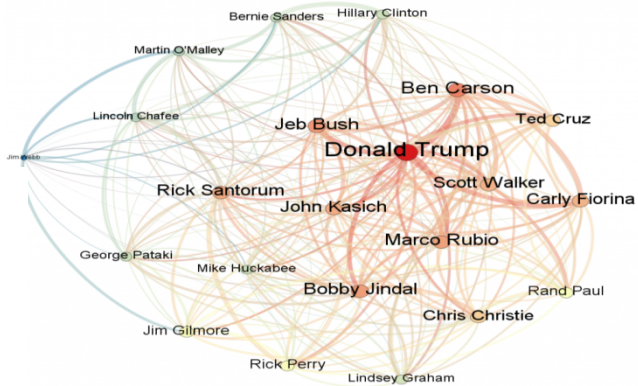
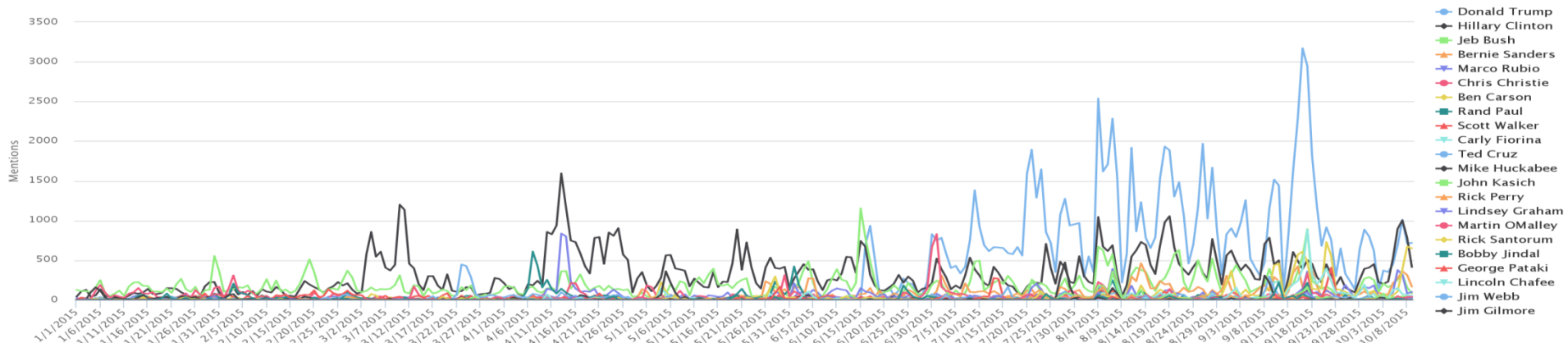
Number American television news broadcasts per week mentioning "Ebola"

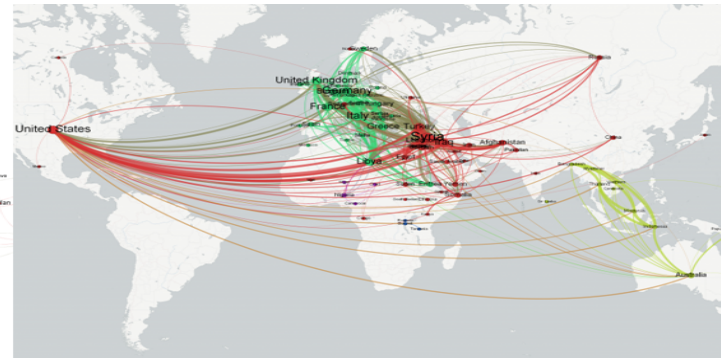
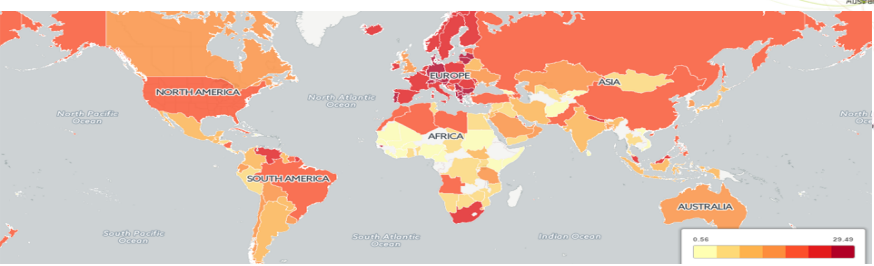
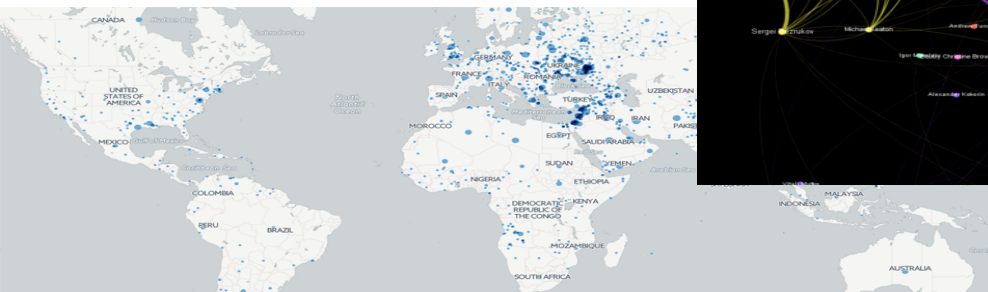
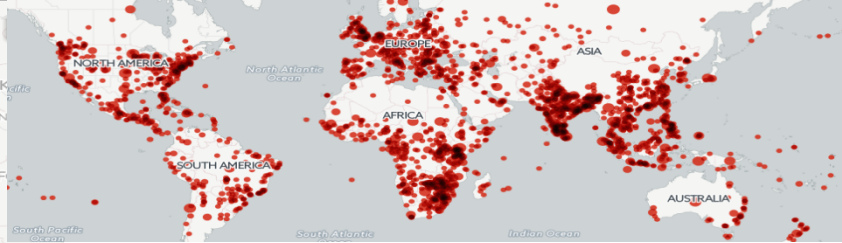
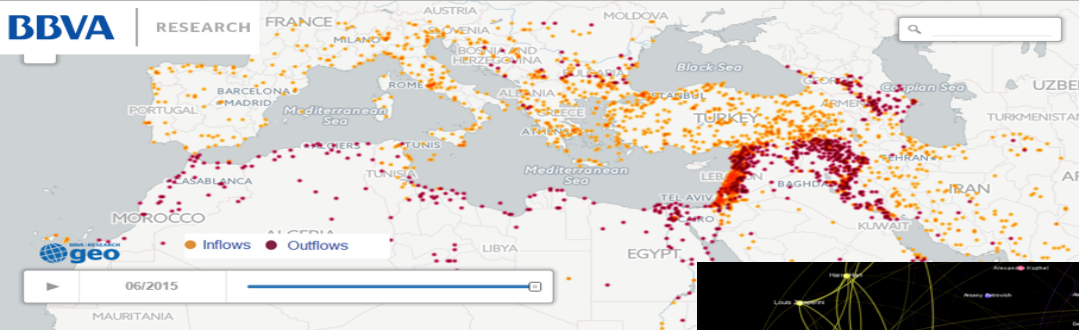


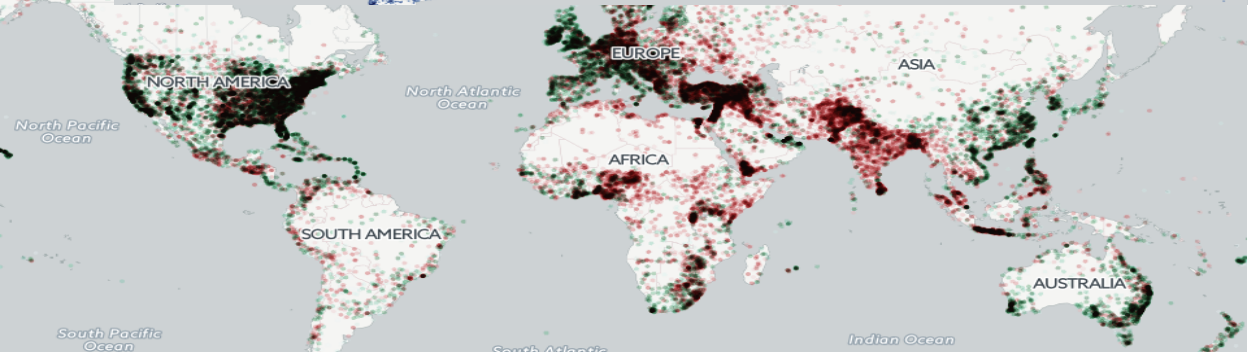
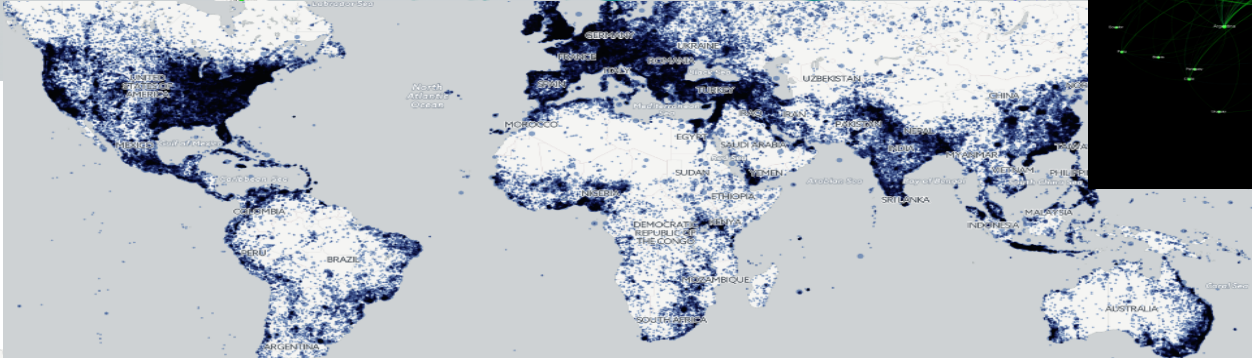
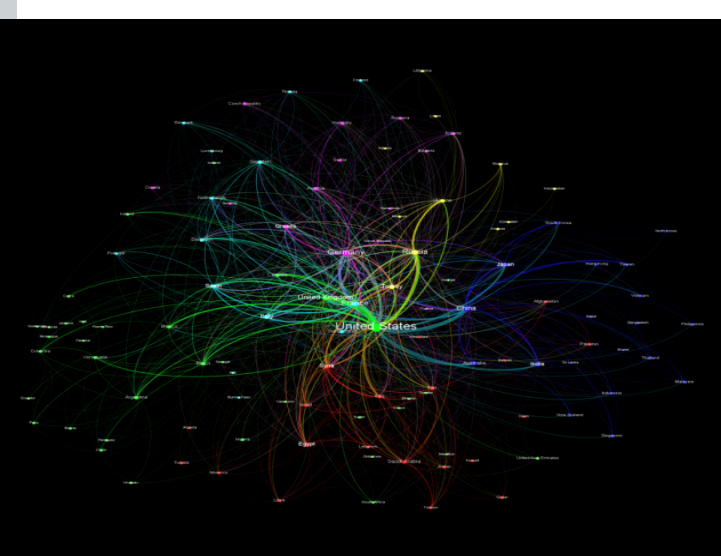
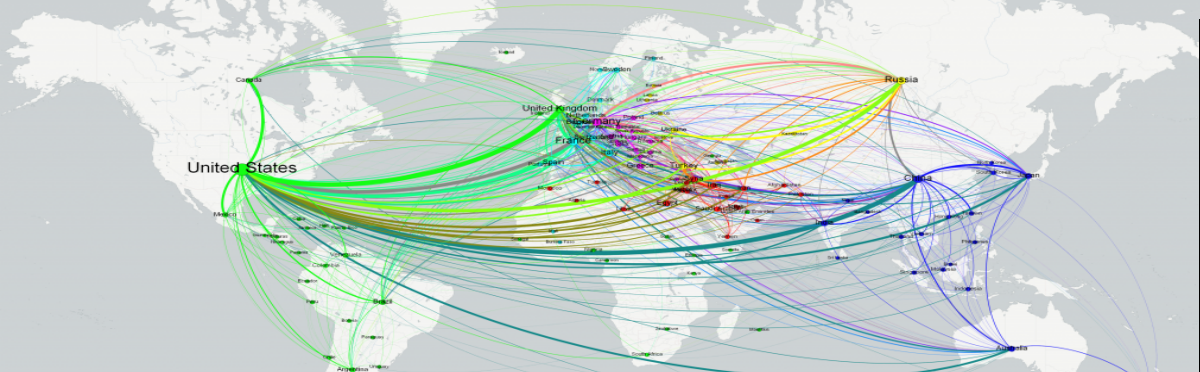
Average "tone" of English language media coverage of "Ebola"

- March 2014 WHO announcement
- First American infections
- Eric Duncan arrives in Dallas

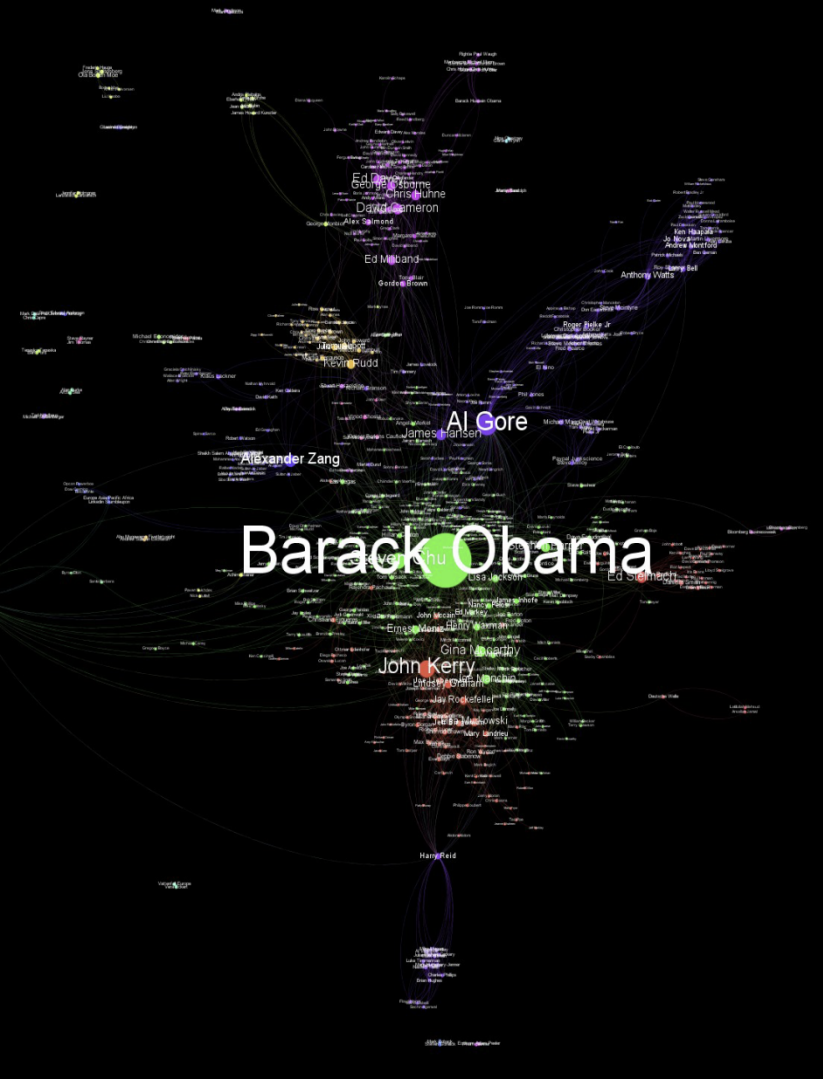
- Steady ascent towards more and more positive coverage as "Western medicine miracles to the rescue" theme dominates coverage







Carbon Capture & Sequestration



- English coverage of CCS 2010-2015
- 32,000 websites, 250,000 people, 140,000 organizations, 50,000 locations
- Green cluster (center): senior American policymakers
- Green cluster (lower): “cap and trade” politicians
- Red cluster (bottom): American lawmakers on Congressional energy committee or sponsoring energy-related legislation
- Purple cluster (top right): climate skeptics
- Yellow (upper left): Australian politicians
- Pink (upper center): British politicians
- Periphery of all clusters: journalists and financial analysts who feature prominently in coverage or who write much of the coverage – Karolin Schaps (Reuters) and Alex Morales (Bloomberg News London) are attached to British political cluster; Tom Friedman is attached to American political cluster



<http://www.demokratiabce.com.tr/ark-uretim-fabrikasi-gibiyi-183330a.html>



<http://www.gamewin.it/2012/12/13/centro-di-raccolta-rifiuti-chi-ne-porta-troppi-pagi/>



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<http://www.thetrack.it/ricerca/1>



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<http://web.lagranepoca.com/donnamberita/27107/la-elefanta-refug-zan-suvicolos-freie-la-cita-fertile.html>



<http://www.nachrichten.ch/detail/63374.htm>



<http://www.soldatuzerzhing.ch/ausland/wel-son-23000-spezies-sau-floze-wird-kuna-bedroht-129947421>



<http://www.malaystain.com/letter/324736>



<http://www.hin.be/hin/bel/18976763-gar-WWf-artikel-detail/25874720151206-WWf-rappor-2015-blood-ender-zoyel-ecoten-bedrogt-ohet>



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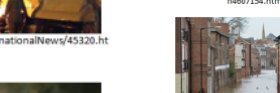
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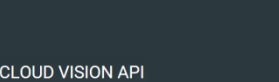
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<http://www.sundayworld.com/news/mist-er-compares-floods-in-kikenny-to-tsunami>



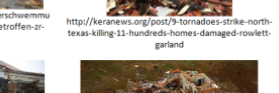
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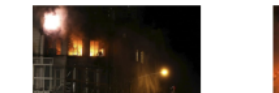
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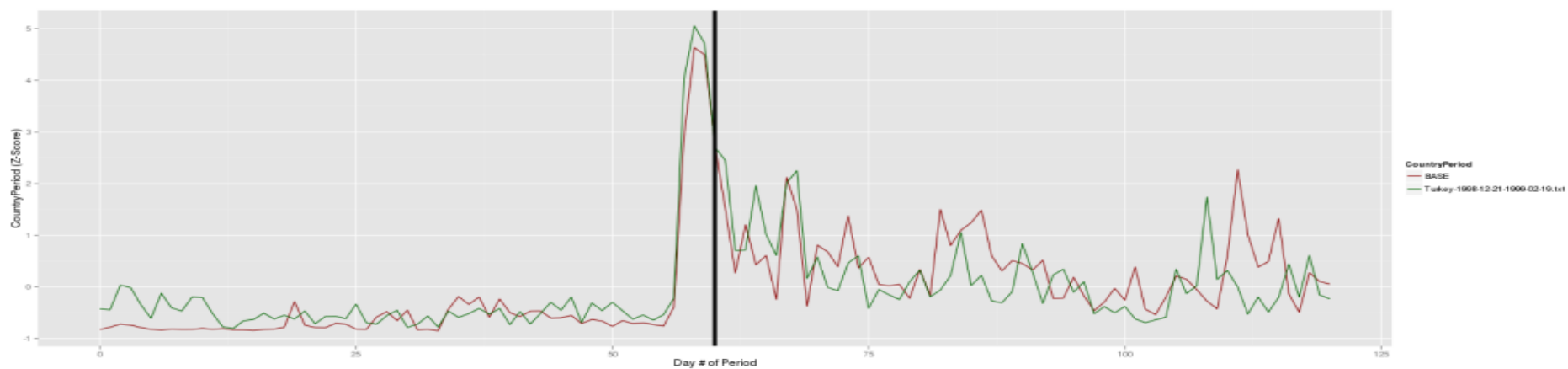
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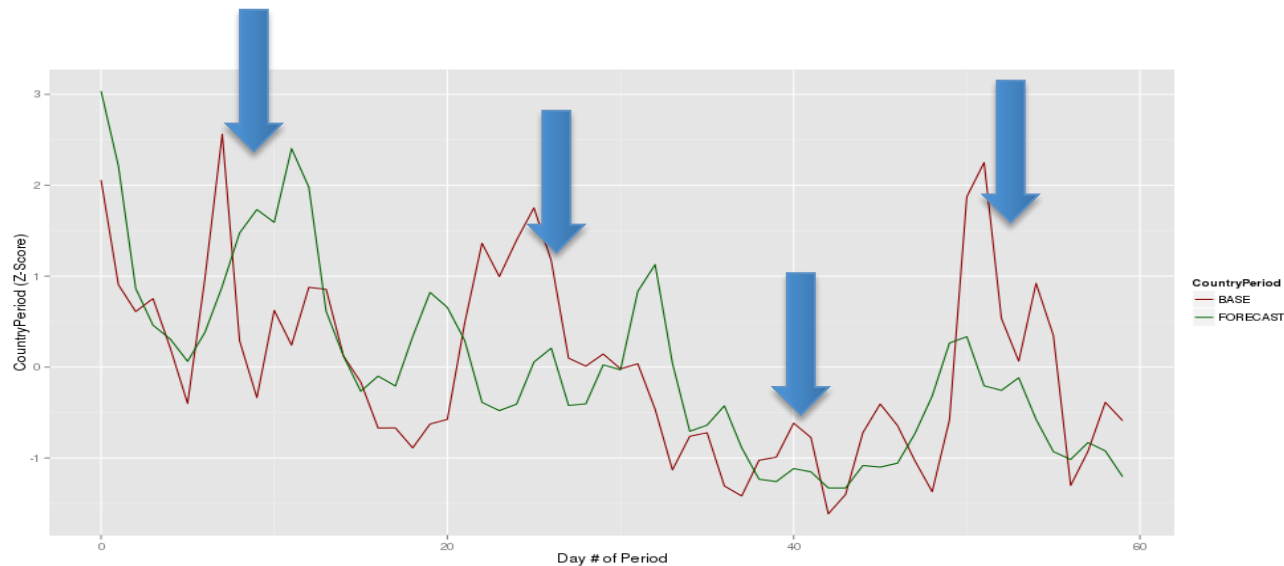
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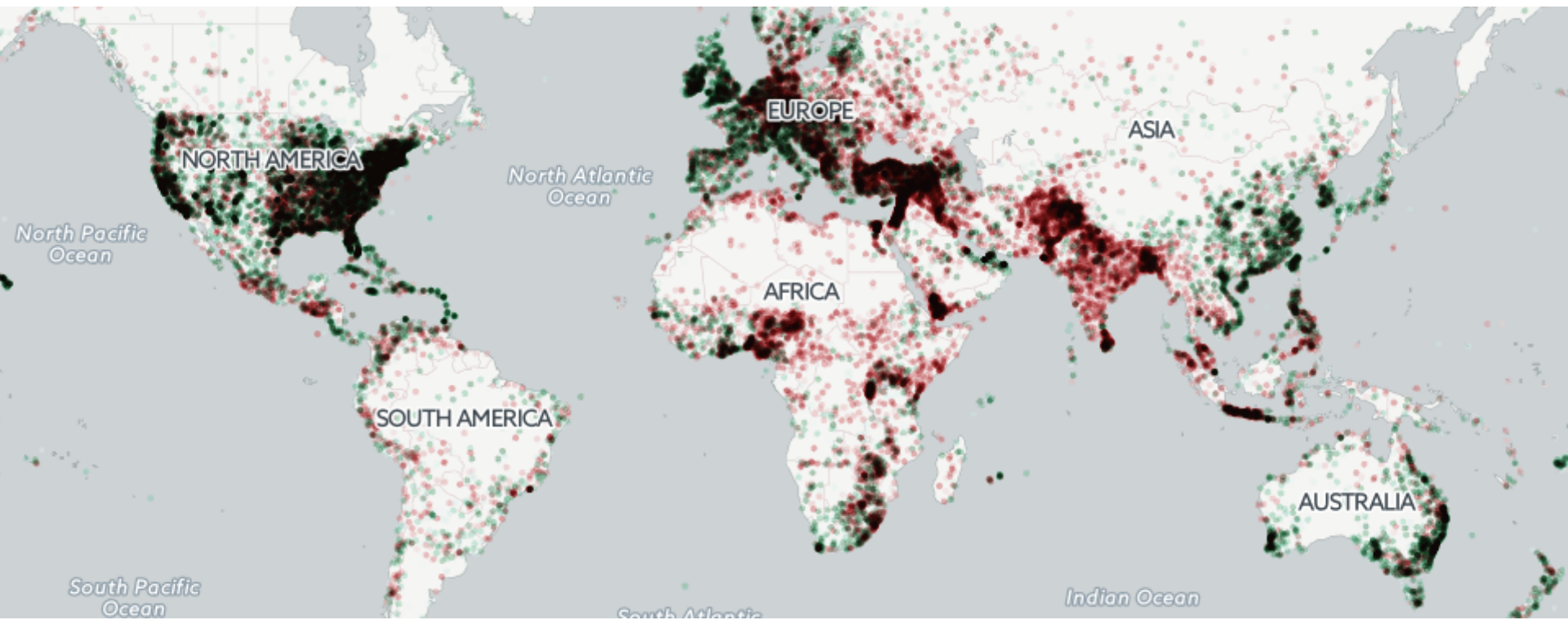


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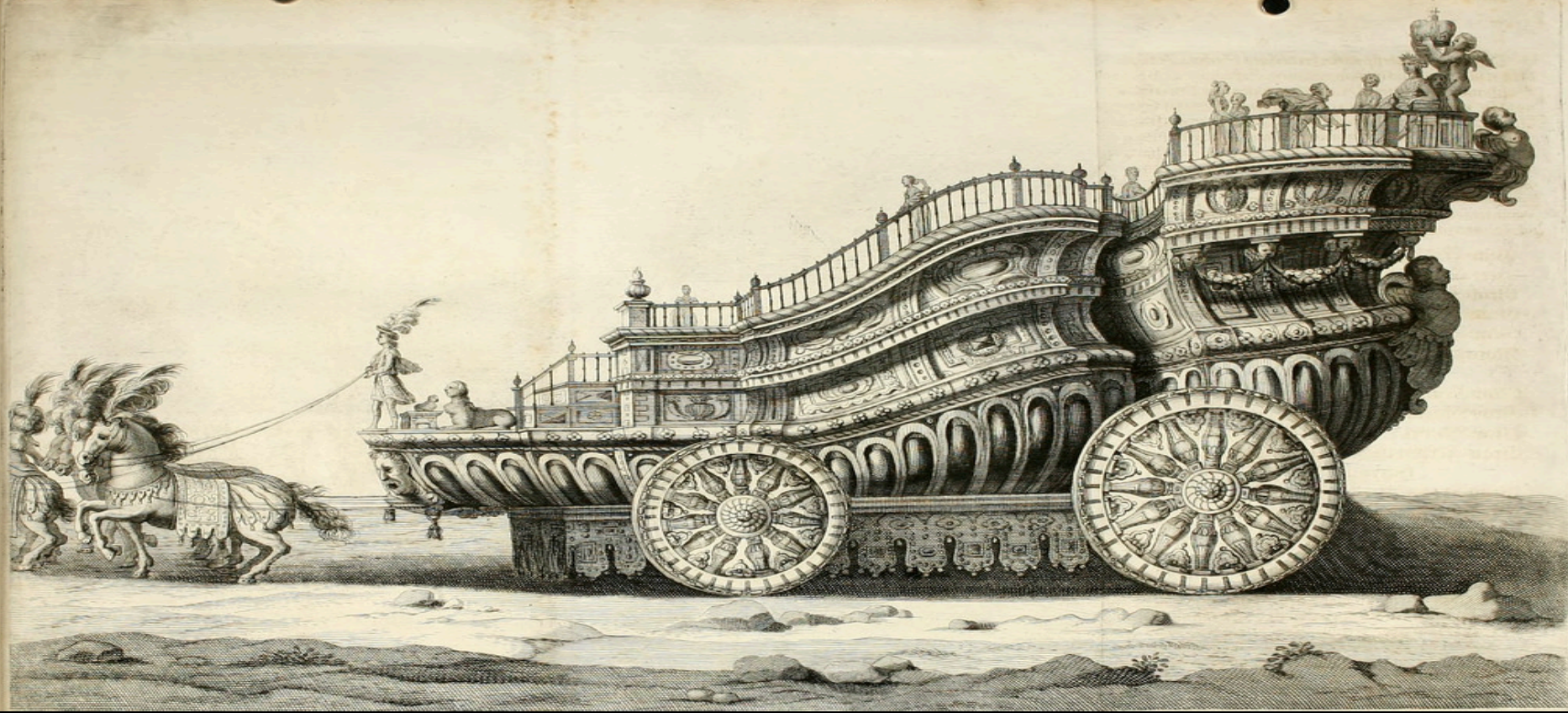


- Red: Actual Ukraine
- Green: Avg Turkey (2/19/1999-4/20/1999) and Lebanon (3/24/2007-5/23/2007)
- ($r=0.49$)



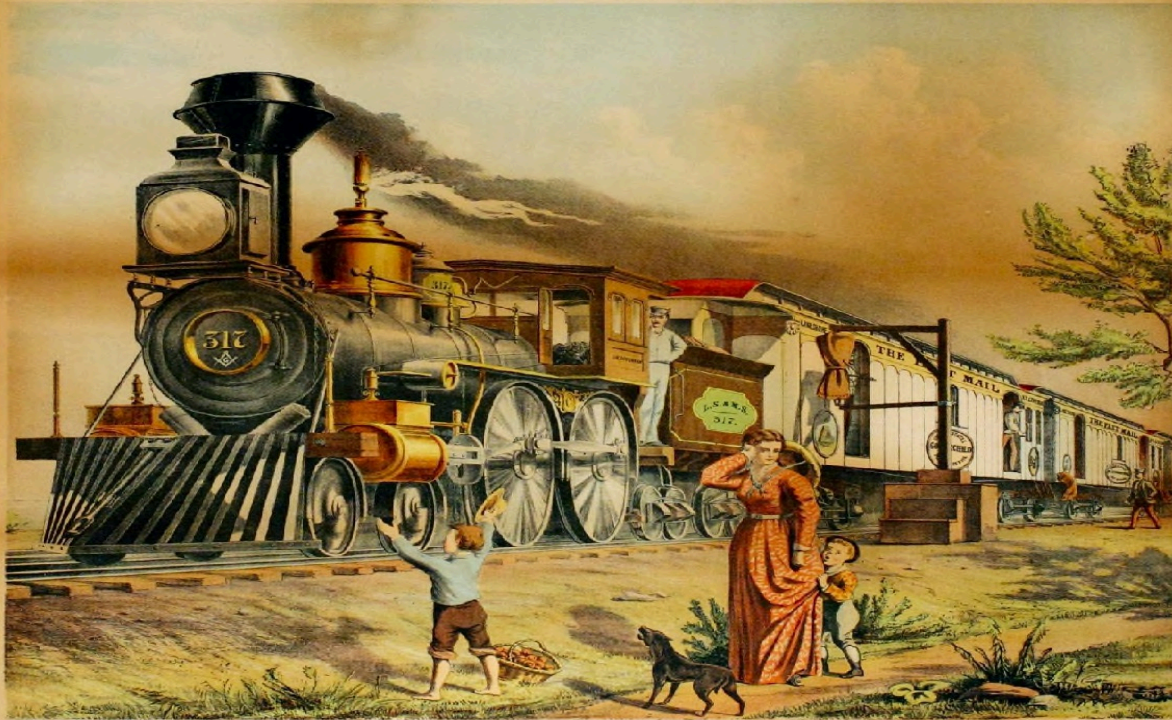


Reimagining the Book





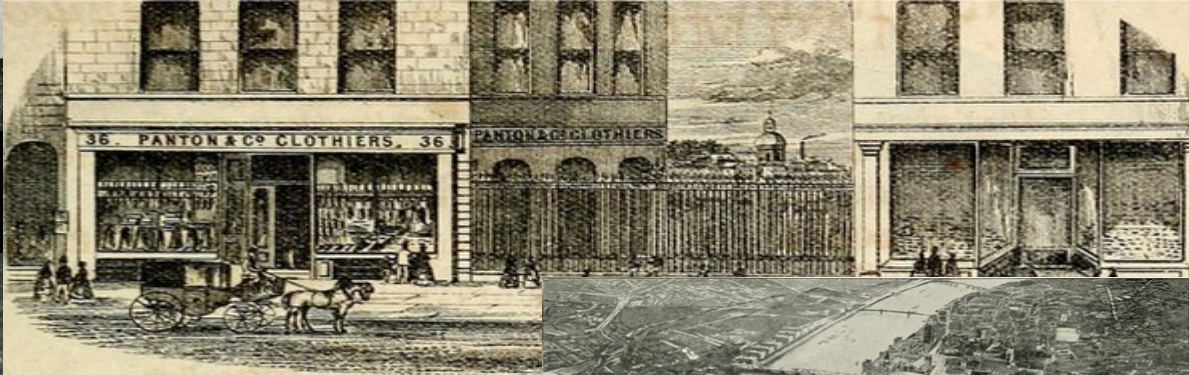
THE MAIL CARRIER OF 100 YEARS AGO.



**The FLIGHT of the FAST MAIL on the
LAKE SHORE MICHIGAN SOUTHERN RY**



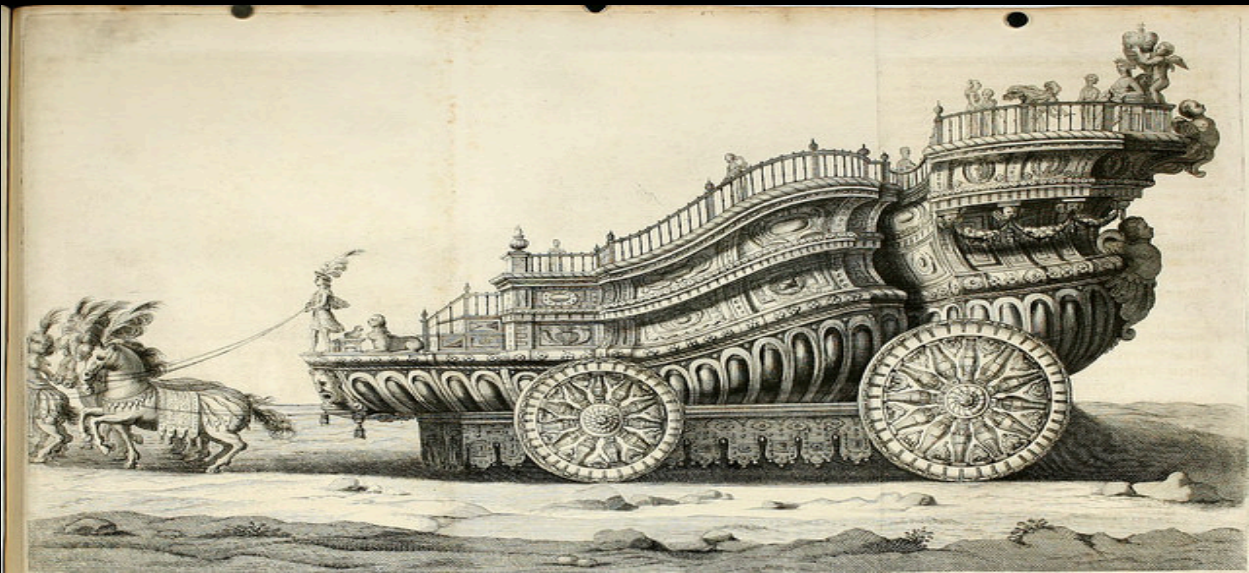
look images



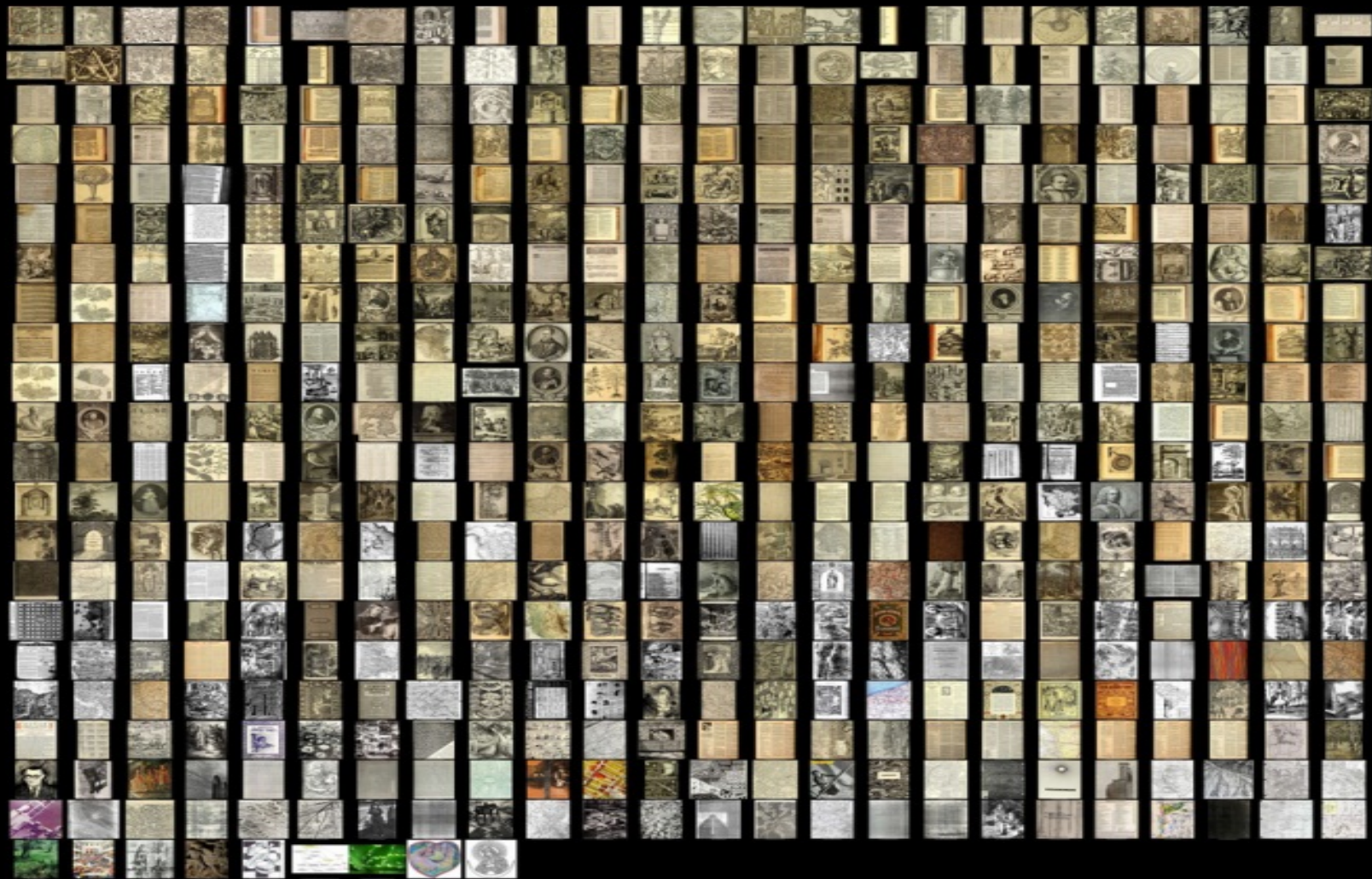
INTERNET ARCHIVE

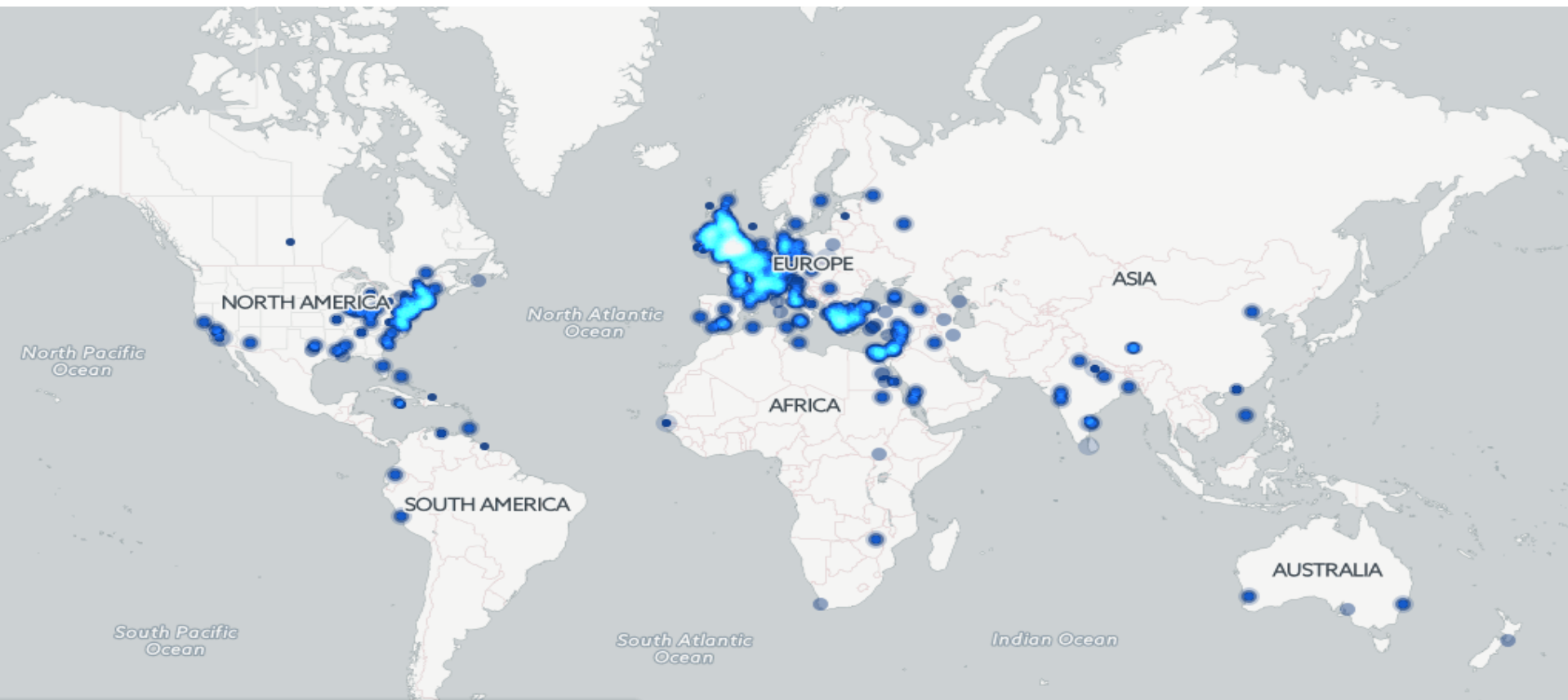


III. SPECVLVM VRENS.









12/1804



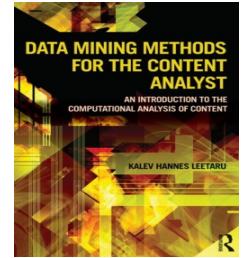


Kalev Hannes Leetaru

kalev.leetaru5@gmail.com

<http://kalevleetaru.com>

<http://gdeltproject.org/>



**REIMAGINING OUR WORLD
THROUGH DATA**

SCROLL DOWN

GDEL Project - <http://gdeltproject.org/>
Kalev Leetaru - <http://kalevleetaru.com/>