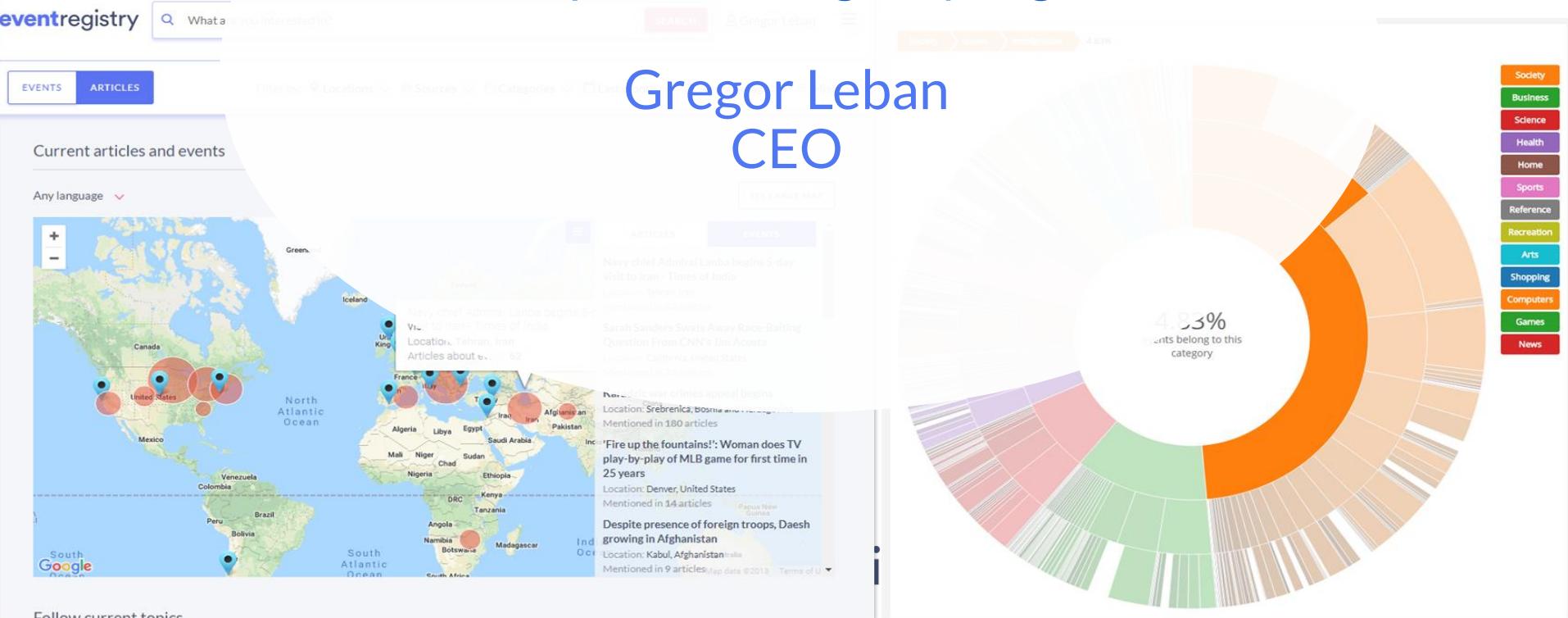


Event Registry

<http://eventregistry.org/>



Who are we

- Spin-off from Jozef Stefan Institute
 - Laboratory for Artificial Intelligence
- Started in 2017 through Google funding
- Experts in AI, machine learning, text understanding and information extraction
- Our top customers: Bloomberg, IBM, Nasdaq, Stratfor, Stanford, Harvard, ...

What is Event Registry?

- Encyclopedia for world events
- Event registry is a system for
 - collecting news content published globally (35 langs, ~0.5M articles daily)
 - Analysis of news and automatic identification of world events
 - Extraction of core event information
- Extensive search and visualization options

eventregistry

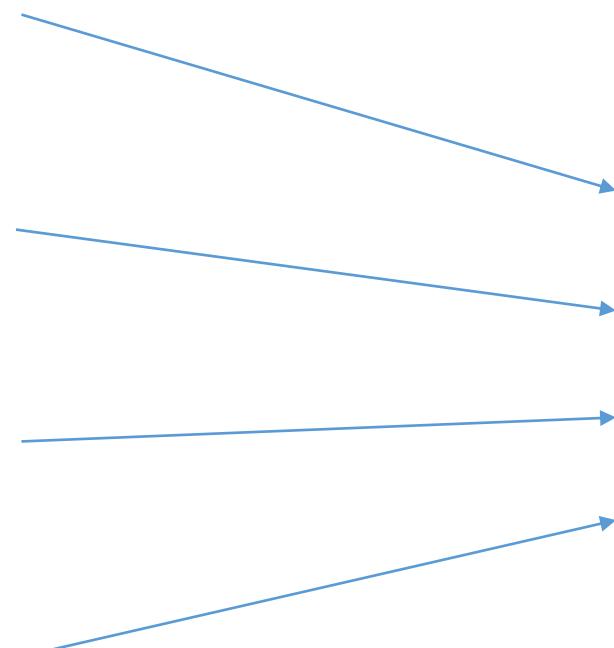
The screenshot shows the eventregistry website interface. At the top, there is a search bar with the placeholder "What are you interested in?" and a "SEARCH" button. Below the search bar are several filter options: "Filter by: Locations", "Sources", "Categories", "Last month", "% Any language", and "% Misc.". The main area is titled "Current articles and events" and features a world map with various event markers. A tooltip on the map for Paris, France, indicates "Rafa Nadal suelta para deshacerse de Martínez y mete en cuartos de final de Roland Garros" and "Location: Paris, France". To the right of the map, there is a sidebar titled "ARTICLES" and "EVENTS". The "ARTICLES" section lists several news items with their titles, locations, and counts of mentions. The "EVENTS" section also lists events with their titles, locations, and counts of mentions. Below the main content, there is a section titled "Follow current topics" with four circular icons representing different news categories: "Mergers and acquisitions", "Donald Trump's actions as president", "Blockchain & Crypto News", and "Self-driving cars".

Why?

- Huge amounts of news information generated daily
- News contain crucial information for decision making
- Problem: humans are limited in the amount of info we can process
- Can computers help?
- Yes...
 - But computers have problem understanding unstructured text
- Using various AI methods we extract knowledge in structured form
- Structured form allows use of various facets (time, locations, topics, ...) to isolate specific content of interest
- Used by: Risk analysts, policy makers, stock traders, think tanks, financial institutions, ...

Our aim

- Extract from articles actionable insights (events)



Event

- What happened
- Where
- When
- Who was involved
- ...

eventregistry

What is an event?

- Event = collection of news articles that discuss the same thing that happened
- Assumption: If something is significant → reported by various news publishers



EVENT
Deutsche Bank offices raided in money laundering probe

WHEN	WHERE	ARTICLES	VIRALITY
Thu, November 29, 2018	Frankfurt, Germany	699	2,345

 Deutsche Bank  Frankfurt, Germany  Money laundering  Panama Papers  Germany  Tax haven
 Public prosecutor's office  Euro  Bank  British Virgin Islands  Panama

FRANKFURT (Reuters) - Police raided six Deutsche Bank offices in and around Frankfurt on Thursday over money laundering allegations linked to the "Pan... (Reuters)



Examples of events



EVENT

Magnitude 7 Earthquake Shakes Anchorage

WHEN

Fri, November 30, 2018

WHERE

Anchorage, Alaska, United States

ARTICLES

1,180

VIRALITY

15,064

Earthquake

Anchorage, Alaska, United States

Alaska, United States

Tsunami

United States Geological Survey

Aftershock

Twitter

Moment magnitude scale

United States

Tsunami warning system

Epicenter

A magnitude 7 earthquake struck about eight miles north of Anchorage, Alaska, on Friday morning, according to the United States Geological Survey, cau... ([The New York Times](#))



EVENT

George H.W. Bush dead at 94

WHEN

Sat, December 01, 2018

WHERE

Houston, United States

ARTICLES

3,361

VIRALITY

46,940

George H. W. Bush

United States

George W. Bush

Donald Trump

White House

Cold War

Barbara Bush

Ronald Reagan

Republican Party (United States)

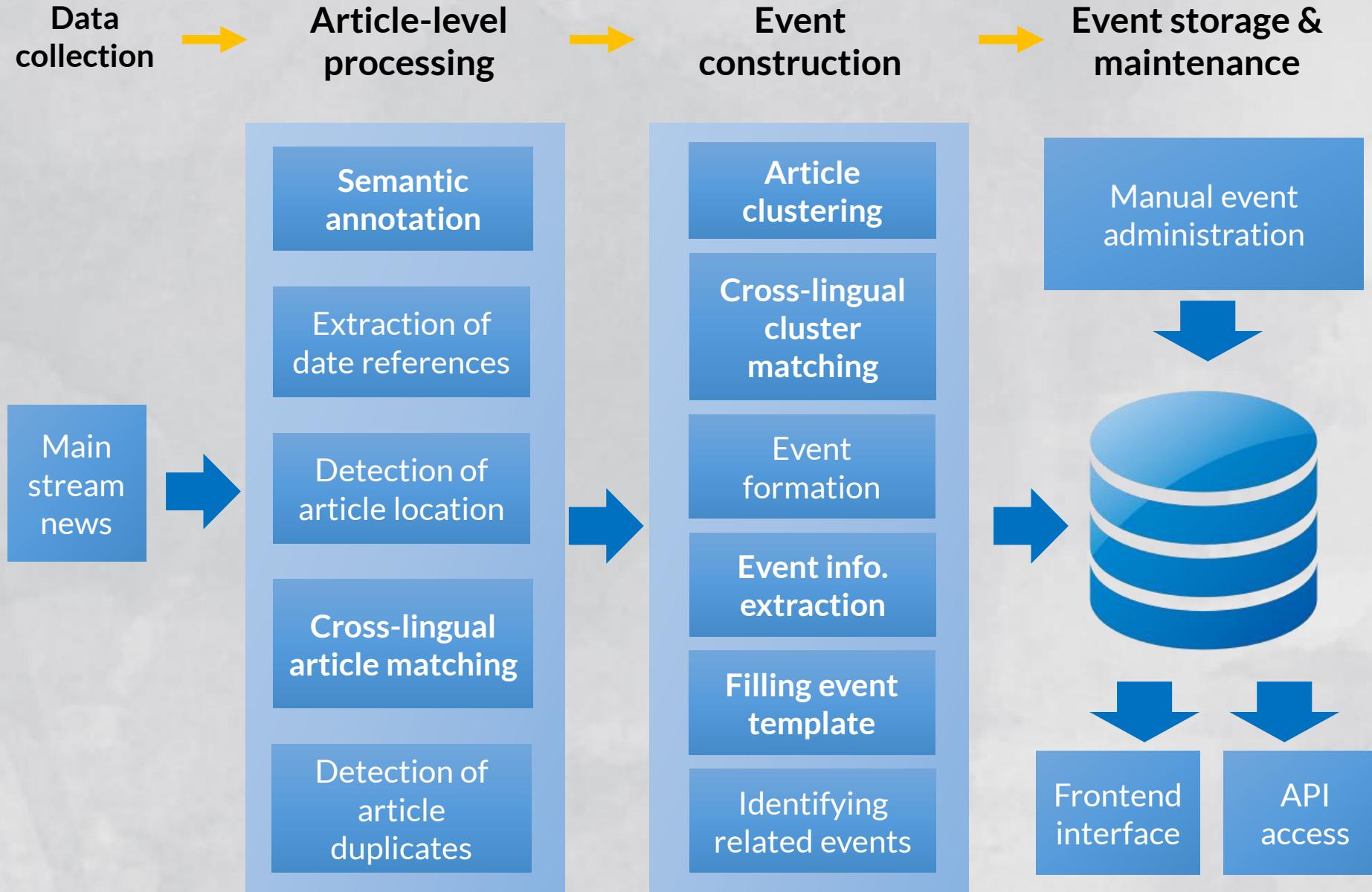
Bill Clinton

World War II

Gulf War

(CNN)Former US President George H.W. Bush has died at age 94 in Houston, according to his spokesperson. Born into privilege and a tradition of service... ([CNN International](#))

Event registry pipeline



Understanding meaning of words

- We want to capture the meaning of the words mentioned in the text
- Semantic annotation

It's a version of **Chicago** – the standard classic Macintosh menu font, with that distinctive thick diagonal in the "N".

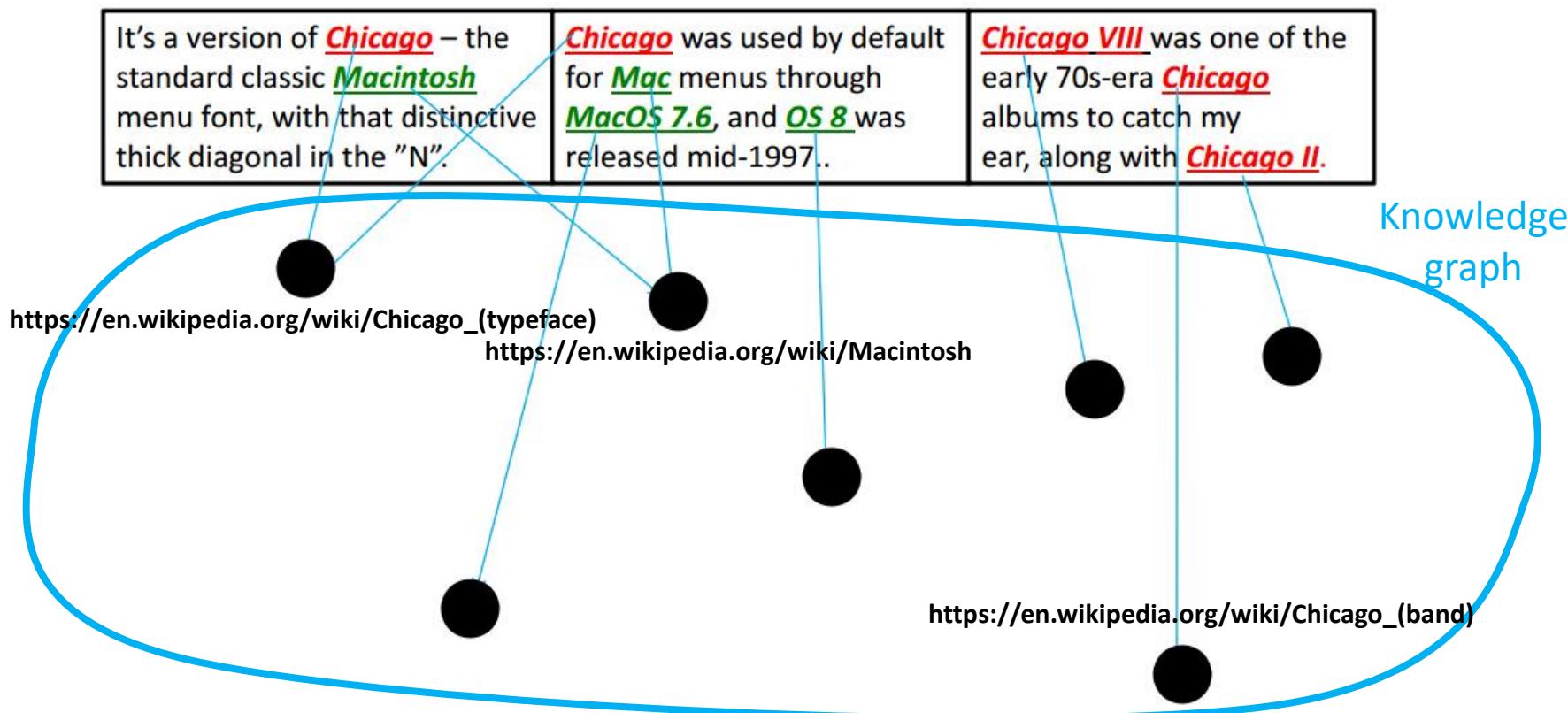
Chicago was used by default for Mac menus through MacOS 7.6, and OS 8 was released mid-1997..

Chicago VIII was one of the early 70s-era **Chicago** albums to catch my ear, along with **Chicago II**.

Example from: <http://nlp.cs.rpi.edu/paper/wikificationtutorial.pdf>

Understanding meaning of words (2)

- Ambiguity – same word, different meaning (e.g. Chicago)
- Variability – different words, same meaning (Mac, Macintosh)
- Entity linking = mapping of phrases to nodes in a knowledge graph

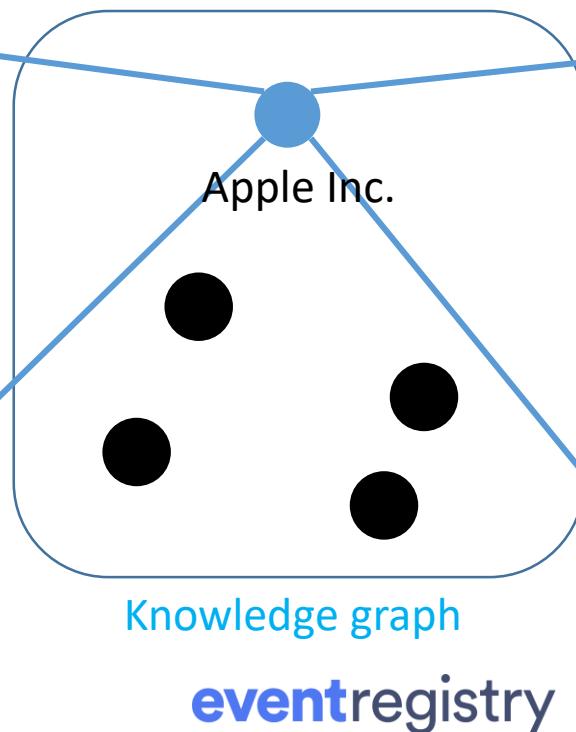


Understanding meaning in different languages

- The meaning has to be extracted from text in different languages and scripts

ويـ "آبل" المـعروـفة
بـحـرصـها عـلـى اـسـتـخـادـام
أـنـظـمـتها

सैन फ्रांसिस्को :
अमेजन इको का
स्मार्ट स्पीकर्स 17
दिसंबर से एप्पल
म्यूजिक के साथ
मिलकर



年天音控股在
拓展苹果
和华为

jsme se stali obětí
velkého zájmu a
nízké priority,
kterou Česko u
Applu má

Understanding words demo

(<http://eventregistry.org/documentation?tab=annotate>)

Johannesburg (AP) -- The South African schoolgirl leaned close to the Matisse painting.
JOHANNESBURG SOUTH AFRICA HENRI MATISSE PAINTING

"I like the blue and yellow of the dress the woman is wearing. And then there is the bright red background," she said. "And the drawing of her face is simple but strong."

For the first time, Africa is hosting an exhibit devoted to Henri Matisse. The show in Johannesburg features more than 80 works,
AFRICA HENRI MATISSE JOHANNESBURG

including a painting that points to how the continent inspired Matisse and his contemporary, Pablo Picasso.
PAINTING HENRI MATISSE PABLO PICASSO

The exhibit of bold line drawings and vibrantly colored stencils also includes one of Matisse's first drawings as a student and one of HENRI MATISSE
his final paintings, the portrait described by the student, completed shortly before his death in 1954.

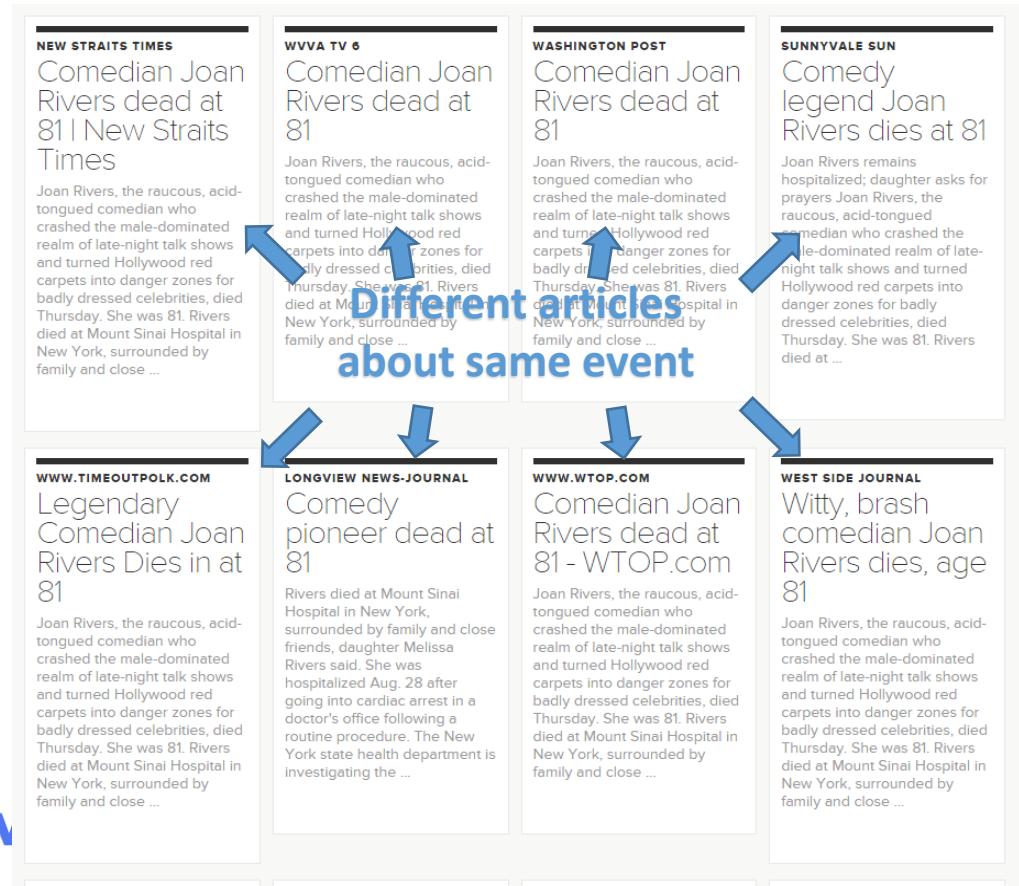
"He collected many African art objects, particularly masks and figurines from Central and West Africa," said Federico Freschi, dean
AFRICAN ART MASK FIGURINE WEST AFRICA
of art at the University of Johannesburg and co-curator of the show that runs through Sept. 17, "Henri Matisse : Rhythm and
JOHANNESBURG HENRI MATISSE

Meaning."

" Matisse also collected a number of African textiles. He had a particular interest in textiles. So he collected many Kuba cloths, for
HENRI MATISSE TEXTILE TEXTILE KUBA KINGDOM
example, and also various North African fabrics, particularly the sort of cotton appliqu work that is well-known in Africa. And
NORTH AFRICA TEXTILE COTTON APPLIQUE AFRICA
those things find their way into his work in various ways," Freschi said.

Article clustering

- For each language we try to identify groups of articles that describe a single event
- **Online clustering algorithm**
- Cluster based on
 - article title + content
 - detected named entities



Joining clusters in different languages

- Each cluster only contains articles in the same language
- Clusters in different languages can describe the same event – how do we find them?
- Use machine learning to decide

English cluster



SpaceX lands its third consecutive rocket on ship in Atlantic Ocean

PERFSCIENCE.COM Sat, 28 May, 08:45 0.847

Yes, SpaceX has done it again. For the fourth time, it has managed to have a successful rocket landing. On Friday at 5.40pm Falcon 9 rocket blasted off from Cape Canaveral, Florida, carrying the Thaicom 8 satellite.

The rocket returned to earth around 10 minutes later. It made a landing in an ...



SpaceX launches Asian satellite, attempts to land rocket

BUSINESS INSIDER Fri, 27 May, 22:33 0.836

© SPACEX/AFP/File The Falcon 9 rocket on December 16, 2015 in Cape Canaveral -- SpaceX has managed to successfully land the first stage of its Falcon 9 rockets three times before

Miami (AFP) - SpaceX on Friday launched an Asian communications satellite before trying for a fourth successful landing ...



SpaceX launches Asian satellite, attempts to land rocket

YAHOO Fri, 27 May, 22:04 0.811

Miami (AFP) - SpaceX on Friday launched an Asian communications satellite before trying for a fourth successful landing of its Falcon 9 rocket.

Under blue skies dotted with clouds, the shiny white rocket blasted off from Cape Canaveral, Florida at 5:40 pm (2140 GMT).

The satellite, known as ...



SpaceX makes fourth successful rocket landing

MAIL ONLINE Sat, 28 May, 01:29 0.807

That would make space deliveries - and travel - more economical

Elon Musk's SpaceX company notched up another victory today when it managed to

?

eventre

Spanish cluster



SpaceX lo ha vuelto a hacer

HIPERTEXTUAL Fri, 27 May, 22:12 0.689

La empresa californiana de transporte aeroespacial logra poner en órbita otro satélite de comunicaciones y hacer aterrizar en medio del mar la primera fase de su cohete Falcon 9.

Ya es la tercera vez y la compañía liderada por Elon Musk vuelve a anotar otro crucial tanto en su carrera ...



Hacer de lo imposible algo rutinario, nueva misión para SpaceX

HIPERTEXTUAL Thu, 26 May, 08:32 0.747

El cohete Falcon 9 de la compañía privada SpaceX despegará desde la estación de las fuerzas aéreas de Cabo Cañaveral este jueves con el objetivo de poner en órbita satélites de comunicación. Un paso más para normalizar lo que hace un año se creía imposible: reutilizar cohetes.

SpaceX ...



SpaceX consigue recuperar otro cohete tras su lanzamiento

MICROSERVOS.COM Sat, 28 May, 13:31 0.593

Este es el video (acelerado) del retorno al espacioporto autónomo flotante Of Course I Still Love You de la primera etapa del Falcon 9 FT de SpaceX que puso en órbita el satélite de telecomunicaciones Thaicom 8.

El Thaicom 8 tiene como destino final una órbita geoestacionaria, por lo que el ...



Se aplaza por 24 horas lanzamiento de satélite tailandés

ELESPECTADOR Fri, 27 May, 04:30 0.839

El director de SpaceX, Elon Musk, anunció que su empresa

Extracting event information

- Use articles assigned to the event to extract event information
- Information to extract:
 - Location
 - Event date
 - Main event entities and keywords
 - Event categories
 - Event title and snippet

DEMO (<http://eventregistry.org/>)

What are you interested in? SEARCH BOOKMARK NAVIGATION

EVENTS ARTICLES

Filter by: Locations ▼ Sources ▼ Categories ▼ Last month ▼ Any language ▼ Misc. ▼

Current articles and events

Any language ▼ SEE LARGE MAP

ARTICLES **EVENTS**

- FIFA Best Men's Player Award For 2018 Announced**
Location: London, United Kingdom
Mentioned in 3431 articles
- Greek Journalists Walk Free Following Minister's Lawsuit**
Location: Athens, Greece
Mentioned in 40 articles
- Bakala podal u amerických soudů žalobu na Krupu kvůli vydírání**
Location: (unknown)
Mentioned in 6 articles
- Clay Matthews: NFL Is 'Going in a Direction ... a Lot of People Don't**
Location: (unknown)
Mentioned in 94 articles
- Nelson Mandela's legacy lives on at the UN in New York**
Location: (unknown)
Mentioned in 459 articles

Follow current topics



Mergers and acquisitions



Donald Trump's actions as president



Blockchain & Crypto News



Self-driving cars

#1: Following a broad topic

- Media monitoring - find news and events related to some topic of interest
 - 4th industrial revolution
 - Latest developments in biogenomics
 - Monitoring cybersecurity
- Users: geopolitical organizations (Stratfor), companies monitoring their area of development

#1: Following a broad topic (2)

Home > /themes/4th-industrial-revolution

Options ▾

Configure topic page

Add conditions

Interests

What are you interested in?

Source ?

Name of the news source By name

Location

Article/event location name

Filters

Article duplicates

Hide article duplicates

Content at most

5 days old

Source ranking

Limit to languages

English ▾

Data type

News PR Blogs

Topic definition

Interests

Required 

Artificial intelligence	LOW		HIGH	✓	✗
Robotics	LOW		HIGH	✓	✗
Autonomous car	LOW		HIGH	✓	✗
Internet	LOW		HIGH	✓	✗
Computing	LOW		HIGH	✓	✗
Supply chain	LOW		HIGH	✓	✗
Automation	LOW		HIGH	✓	✗
Unmanned aerial vehicle	LOW		HIGH	✓	✗
Robot	LOW		HIGH	✓	✗
Geopolitics	LOW		HIGH	✓	✗
Agriculture	LOW		HIGH	✓	✗
Digital data	LOW		HIGH	✓	✗
Developed country	LOW		HIGH	✓	✗
Silicon Valley	LOW		HIGH	✓	✗
Electronics	LOW		HIGH	✓	✗

#1: Following a broad topic (3)



EVENT
Robots in the field: Farms embrace autonomous technology

WHEN
Fri, November 30, 2018

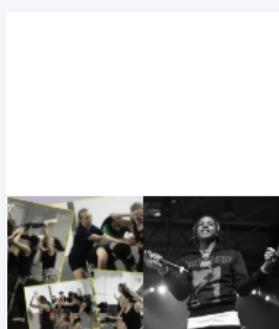
WHERE
England, United Kingdom

ARTICLES
14

VIRALITY
8

Robot, Artificial intelligence, England, United Kingdom, Startup company, United Kingdom, Commodity, Digital data, Winter wheat, Environmentally friendly, Global Positioning System, Smartphone, Automation, Agriculture, Pest (organism)

'Agri-tech' startups aim to transform production in a field under economic strain. Faced with seesawing commodity prices and the pressure to be more... ([Daily Mail Online](#))



EVENT
Lil Durk Talks New Album, Which Rappers Can Hoop and More 🔥

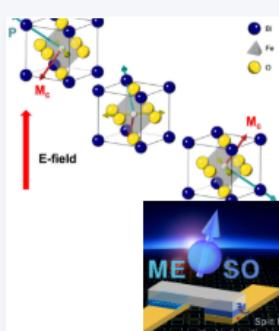
WHEN
Tue, November 27, 2018

ARTICLES
5

VIRALITY
0

Simultaneous localization and mapping, Virtual reality, Mobile robot, Unmanned aerial vehicle, Navigation, United States dollar, Vehicular automation, Augmented reality, Google, Autonomous robot, Real-time computing, Internationalization and localization

Since leaving Def Jam and signing with Alamo Records, rapper Lil Durk has been busy in the studio. He just released a new album called Signed to the S... ([SLAMonline](#))



EVENT
New quantum materials could take computing devices beyond the semiconductor era

WHEN
Mon, December 03, 2018

WHERE
Hillsboro, Oregon, United States

ARTICLES
6

VIRALITY
8

Computing, CMOS, Intel, Energy, Multiferroics, Transistor, Voltage, University of California, Berkeley, Nature (journal), Logic, Topology, Binary number, Magnetism, Volt, Bit, Computer, Lawrence Berkeley National Laboratory

Researchers from Intel Corp. and the University of California, Berkeley, are looking beyond current transistor technology and preparing the way for a ... ([phys.org](#))



EVENT
Use of drones, AI will change the face of agriculture sector: Devendra Fadnavis

WHEN
Thu, November 29, 2018

WHERE
Navi Mumbai, India

ARTICLES
7

VIRALITY
0

Artificial intelligence, Industrial Revolution, Irrigation, Agriculture, Memorandum of understanding, Unmanned aerial vehicle

#1: Following a broad topic (4)



In the Coming Automated Economy, People Will Work for AI
A new role for humans: prepping data so AI can learn to do our jobs
In Texas, a company called Alegion is helping disabled veterans take part in the new digital economy. The vets' job: preparing data so that an artificial intelligence (AI) system can learn from it.

IEEE SPECTRUM: TECHN...
Fri, 30 Nov 2018, 15:24
36 E



The ultimate guide to gifting STEM toys: tons of ideas for little builders
Welcome to TechCrunch's 2018 Holiday Gift Guide! Need more gift ideas? Check out our Gift Guide Hub. The holiday season is here again, touting all sorts of kids' toys that pledge to pack 'STEM smarts' in the box, not just the usual battery-based fun.

TECHCRUNCH
Wed, 28 Nov 2018, 21:01
558 E



Robots in the field: farms embracing autonomous technology
EAST MEON, England (AP) -- Faced with seesawing commodity prices and the pressure to be more efficient and environmentally friendly, farmer Jamie Butler is trying out a new worker on his 450-acre farm in England's Hampshire countryside.

SAN FRANCISCO GATE
Fri, 30 Nov 2018, 03:59
E



60 Cybersecurity Predictions For 2019
I've always been a loner, avoiding crowds as much as possible, but last Friday I found myself in the company of 500 million people. The breach of the personal accounts of Marriott and Starwood customers forced us to join the 34% of U.S. consumers who experienced a compromise of their personal ...

FORBES
Mon, 03 Dec 2018, 09:00
44 E



The center is not holding -- and Trump is our proof
As the world's pre-eminent heads of state gather in Buenos Aires, Argentina, this weekend for the annual G-20 summit, the postwar order has never looked more fragile. War threatens to break out at any moment between Russia and Ukraine, Britain is staring into the abyss of a failed Brexit negotiation ...

ALTERNET
Sat, 01 Dec 2018, 07:47
32 E

#2: brand monitoring and comparison

- Compare how is your brand perceived in the media and comparison with other brands
- Users: consulting companies (Bloomberg), PR departments

#2: brand monitoring and comparison (2)



Chevron Corporation

What are you interested in?

EVENTS

ARTICLES

Filter by: Locations Sources Categories Last year



Statoil

What are you interested in?

EVENTS

ARTICLES

Filter by: Locations Sources Categories Last year

#2: brand monitoring and comparison (3)

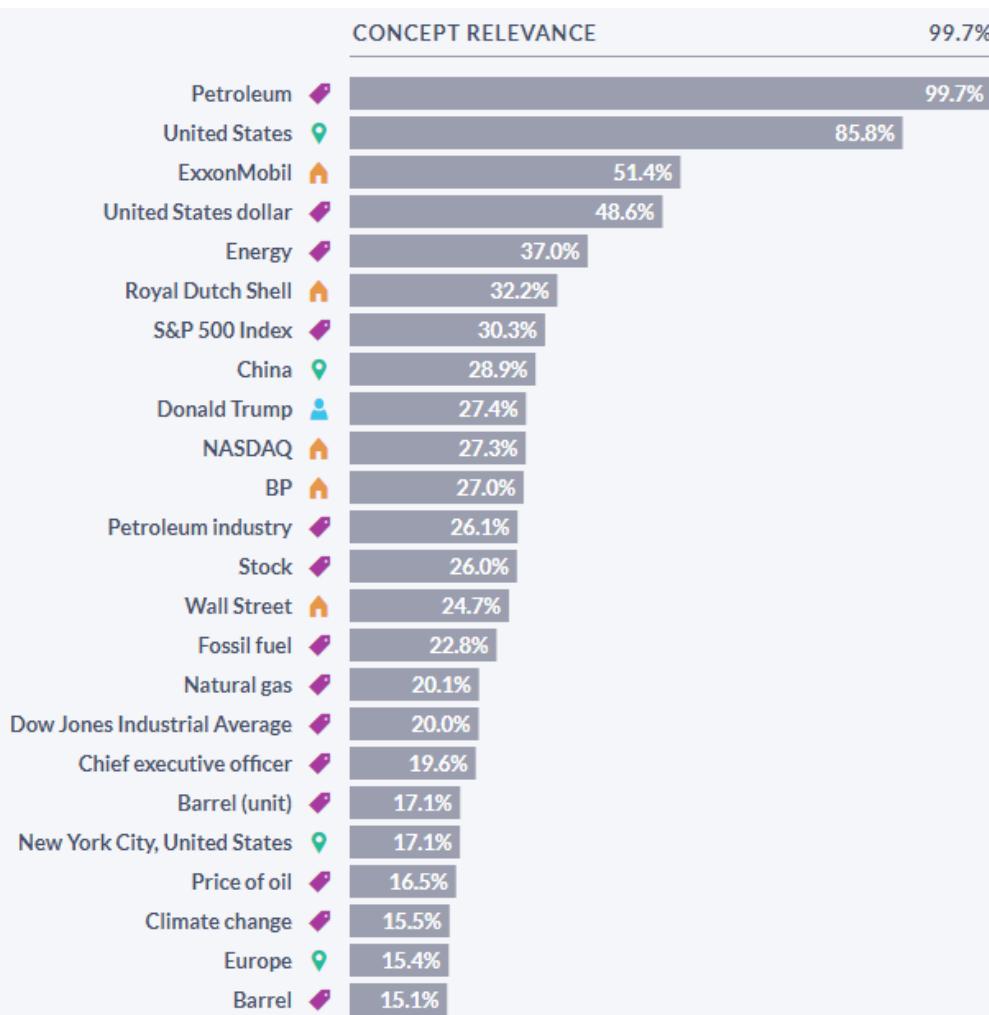
Tag cloud for Chevron Corporation

#2: brand monitoring and comparison (4)

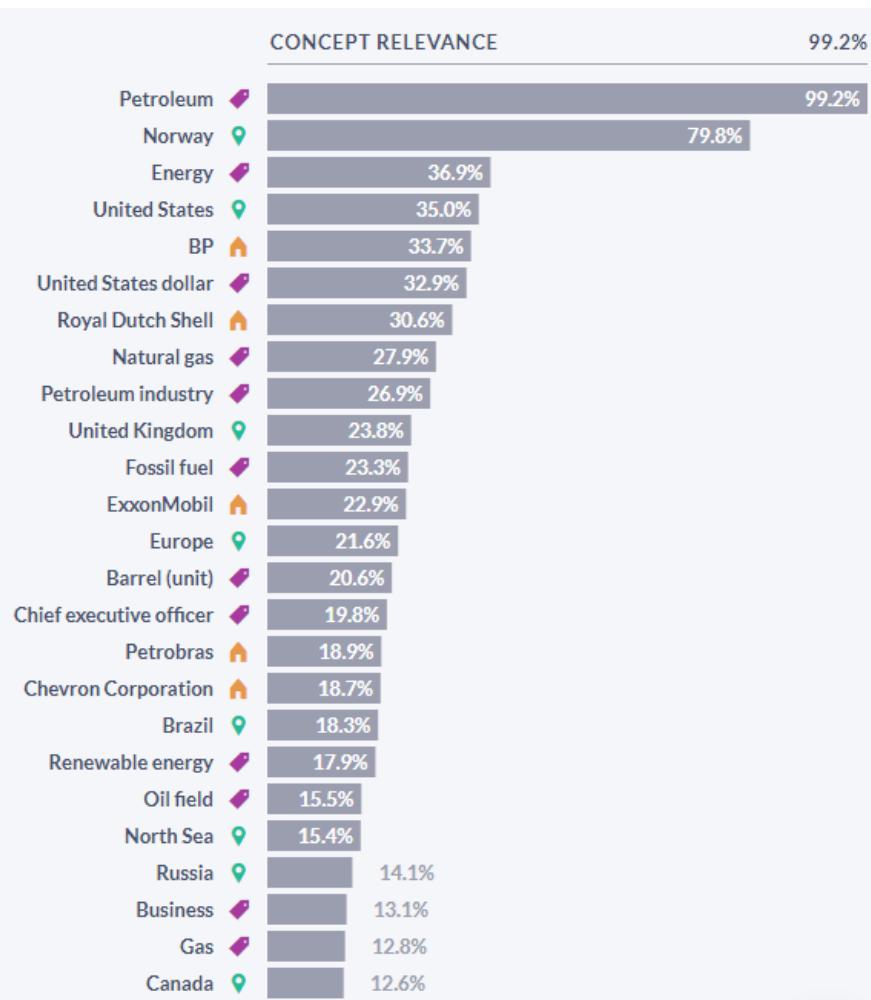
Tag cloud for Statoil

#2: brand monitoring and comparison (4)

Top concepts for Chevron



Top concepts for Statoil



#3: risk management

- Identification of events that can disrupt supply chains and have socio-economic influence
 - Earthquakes and other natural disasters
 - Manmade disruptions (strikes, bankruptcies, ...)
- Users: companies depending on a supply chain

#3: risk management

Monitoring natural disasters

The screenshot shows the eventregistry platform interface. At the top, there are navigation links: 'Sources' (with a dropdown arrow), 'dmoz:Science→Earth Sciences→Natural Disasters and Hazards' (with a dropdown arrow), and 'Last month' (with a dropdown arrow). Below this is a 'Categories' section with a sub-section for 'dmoz:Science→Earth Sciences→Natural Disasters and Hazards'. A text input field labeled 'Category name' is present. To the right, there are 'VIEW: List' and 'SORT BY: Releva' dropdowns. At the bottom, there are three buttons: 'WHEN' (with a dropdown arrow), 'ARTICLES' (with a dropdown arrow), and 'VIRALITY' (with a dropdown arrow). The overall interface is light blue and white.

#3: risk management

VIEW: LIST ▾ SORT BY: RELEVANCE ▾

 **EVENT**
Thursday 'danger to life' warning now covers whole of Devon

WHEN
Tue, November 27, 2018 **ARTICLES** 348 **VIRALITY** 401

 Met Office  Diana, Princess of Wales  United Kingdom  Scotland, United Kingdom  Ireland  Flood

 Cork (city), Ireland  Counties of Ireland  Gale  Galway, Ireland  Wales, United Kingdom

Neil ShawHead of Digital, live and trending for PlymouthLive, DevonLive and CornwallLiveGet Daily updates directly to your inboxSubscribeSee our priva... [\(Exeter Express and Echo\)](#)

 **EVENT**
Thousands evacuated as flash floods, mudslides hit wildfire-ravaged California

WHEN
Wed, November 28, 2018 **WHERE** San Francisco, United States **ARTICLES** 169 **VIRALITY** 1,680

  Wildfire  Butte County, California, United States  National Weather Service  Northern California

 Debris flow  Chico, California, United States  Paradise, Nevada, United States  Southern California

MALIBU, Calif. -- Thousands of people in California were under evacuation orders Friday morning because of rushing floodwaters and mudslides. Some are... [\(CBS News\)](#)

 **EVENT**
Jordan Flash Flood Caused 11 Death And Tourist Evacuate

WHEN
Fri, November 09, 2018 **WHERE** Amman, Jordan **ARTICLES** 136 **VIRALITY** 142

 Jordan  Petra  Flash flood  Flood  Madaba, Jordan  Amman, Jordan  Civil defense  Dead Sea

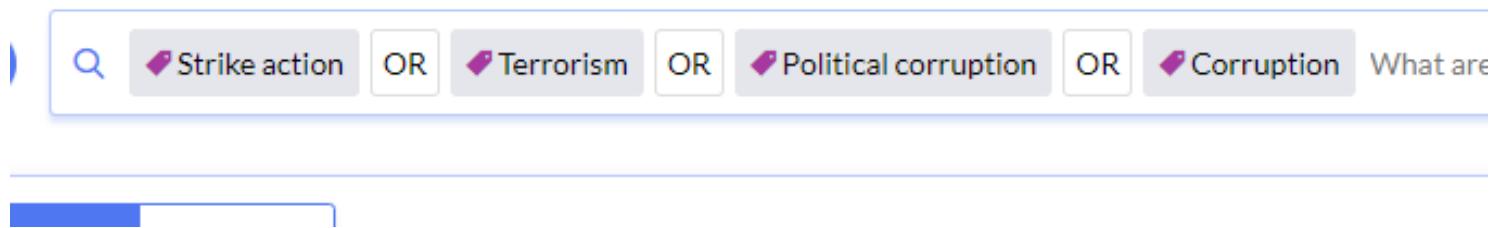
 Ma'an, Jordan  Desert  Israel  Canyon  Rock (geology)  Tourism  Tourist attraction

Just two weeks after the incident of a flash flood in Dead sea Area that killed 21 people, mostly children, a flash flood was followed in Jordan that ... [\(z6mag.com\)](#)

 **EVENT**

#3: risk management

Monitoring socio-political events



#3: risk management

VIEW: List ▾ SORT BY: Relevance ▾



EVENT

Acting PG Hodzi grilled for failure to prosecute high profile corruption cases - Nehanda Radio

WHEN

Thu, November 01, 2018

WHERE

Harare, Zimbabwe

ARTICLES

4

VIRALITY

0

Political corruption Harare, Zimbabwe Magistrate Acquittal Attorney general Chief Justice
 Accountability Prosecutor Joint-stock company Corruption Independent politician



Acting Prosecutor General Mr Kumbirai Hodzi was yesterday grilled for allegedly not doing enough to effectively prosecute high profile corruption case... ([Nehanda Radio](#))



EVENT

MACC chief: Corruption in Malaysia getting worse | Malay Mail

WHEN

Tue, November 13, 2018

WHERE

Putrajaya, Malaysia

ARTICLES

10

VIRALITY

39

Putrajaya, Malaysia Corruption Malaysian Anti-Corruption Commission Malaysia Malay styles and titles
 Political corruption Indonesia 1Malaysia Development Berhad Kleptocracy Civics Bribery



PETALING JAYA, Nov 13 -- Malaysian Anti-Corruption Commission (MACC) chief Datuk Seri Shukri Abdull said today the local graft menace was worsening. ... ([malaymail.com](#))



EVENT

منظمة الأعراف تدعو إلى التهدئة والحوار لتجنب الإضراب في الوظيفة العمومية

WHEN

Mon, November 19, 2018

ARTICLES

6

VIRALITY

0

Tunisian General Labour Union Strike action Tunisia Government State (polity) Terrorism

#4: understanding current events and their context

- Deep understanding of some current event and it's context to previous events
- Users: journalists

#4: understanding current events and their context

Russia launches first manned voyage to ISS since rocket accident

WHEN

Sun, December 02, 2018

LOCATION

Baikonur, Kazakhstan

CATEGORIES

Science→Technology→Space , Business→Aerospace and Defense→Space , Science→Astronomy→News and Media

The launch was closely scrutinized because of the abortive mission to the ISS on Oct. 11, which ended two minutes after take-off when a rocket failure forced its two-man crew to perform an emergency landing.

A Russian-made Soyuz rocket blasted a three-man crew into orbit on Monday, beginning the first manned voyage to the International Space Station since a mission in October was aborted in midair because of a rocket malfunction.

The Soyuz lifted off at 1131 GMT from Baikonur cosmodrome in



Title and summary extracted from: [The Asian Age](#)



#4: understanding current events and their context

Articles

Below is a list of articles describing the event.

Event is reported in 11 languages. Currently showing: English (224 articles) ▾

SORT BY: Shares on social media ▾

« ‹ 1 2 › »



Russia launches first manned voyage to ISS since rocket accident

The launch was closely scrutinized because of the abortive mission to the ISS on Oct. 11, which ended two minutes after take-off when a rocket failure forced its two-man crew to perform an emergency landing.

THE ASIAN AGE

1h 50min ago

6,655



Astronaut and Spokane native Anne McClain blasts off Monday

When Lt. Col. Anne McClain was a child, her dream was to become an astronaut. Now, that dream is becoming reality. On Monday, the Spokane native and Gonzaga Prep alumna will leave Earth as a crew member of NASA's Expedition 58 to the

SPOKESMAN.COM

Sun, 02 Dec 2018, 09:21

329



Liftoff! Russia Launches 1st Crewed Soyuz Rocket to Space Station Since Dramatic Abort

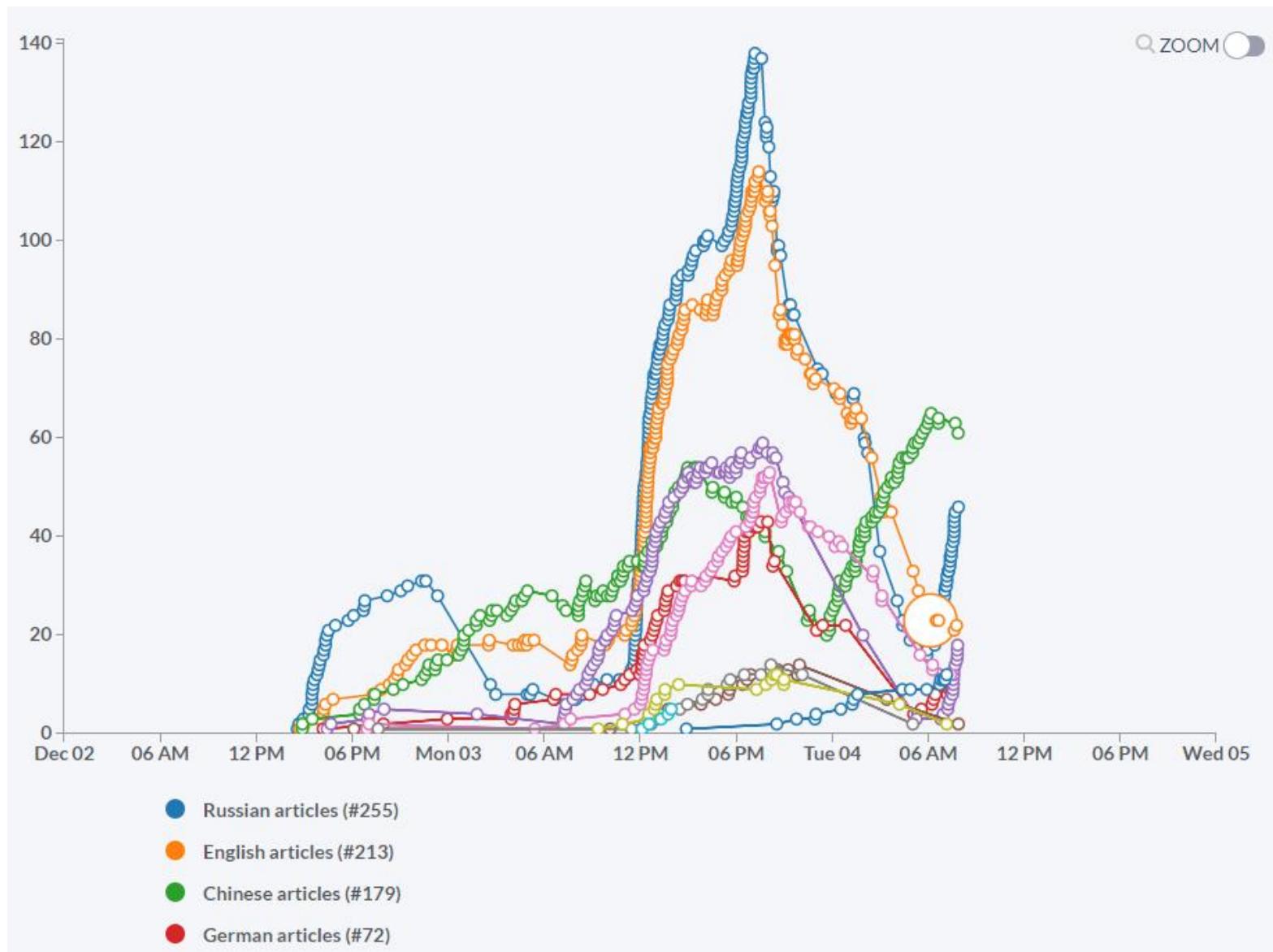
Hundreds of spectators and media representatives gathered on cold metal stands to watch the launch here at the Baikonur Cosmodrome in Kazakhstan, bundling up cameras and bodies against the bone-chilling cold. But the weather did not dampen

SPACE.COM

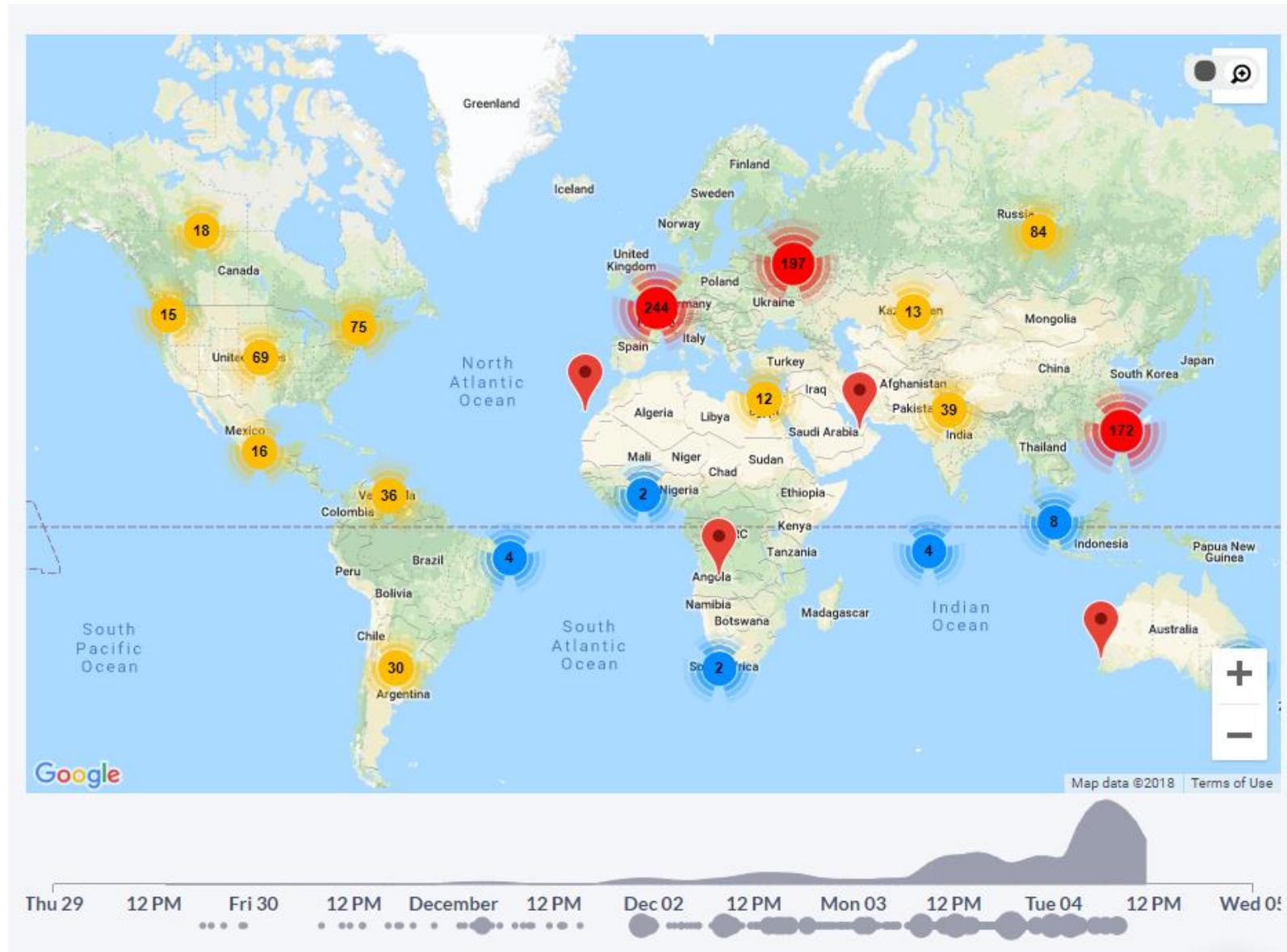
Mon, 03 Dec 2018, 13:17

190 3

#4: understanding current events and their context



#4: understanding current events and their context



#4: understanding current events and their context

Event list **Event timeline** Daily trends

October 15, 2018

Crew of Failed Soyuz Rocket Will Fly Again Next Spring, Russia's Space Chief Says

OCTOBER 14, 2018

Soyouz : l'atterrisse d'urgence raconté par les deux astronautes...

Dmitry Rogozin, head of Roscosmos, said via Twitter on Friday (Oct. 12) that Russian cosmonaut Alexey Ovchinin and NASA astronaut Nick Hague will fly again in the spring, according to a translation. The statement suggests Rogozin has strong confidence that an investigation into the Soyuz launch fail...

OCTOBER 16, 2018

Estação Espacial Internacional corre risco de ficar desabitada pela primeira vez em 18 anos

Original Text	Translation
Buraco na nave Soyuz MS-09 foi provocado intencionalmente, diz	Buraco na nave Soyuz MS-09 foi provocado intencionalmente, diz
ISS : le Soyouz a bien été victime d'un acte de sabotage	ISS : le Soyouz a bien été victime d'un acte de sabotage
Astronautas regresan a casa tras 197 días en el espacio	Astronautas regresan a casa tras 197 días en el espacio
Mucize Dakika	Mucize Dakika
Entre la administración NASA y	Entre la administración NASA y
Crew of Failed Soyuz Rocket Will Fly Again Next Spring, Russia's Space Chief Says	Crew of Failed Soyuz Rocket Will Fly Again Next Spring, Russia's Space Chief Says
Russian Soyuz Rocket Launch Astro	Russian Soyuz Rocket Launch Astro
NASA is considering launching more astronauts to the ISS as	NASA is considering launching more astronauts to the ISS as
Un ocular	Un ocular
So ocun	So ocun
Se duca	Se duca
NO	NO

OCT.

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Questions?