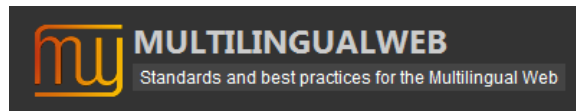




Complementarity of information found in media reports across different countries and languages



Ralf Steinberger

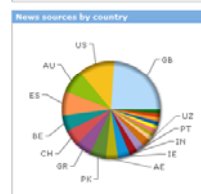
& the JRC's *OPTIMA* team – Open Source Text Information Mining and Analysis

Technical details and publications:
Applications:

<http://langtech.jrc.ec.europa.eu/>

<http://emm.newbrief.eu/overview.html>

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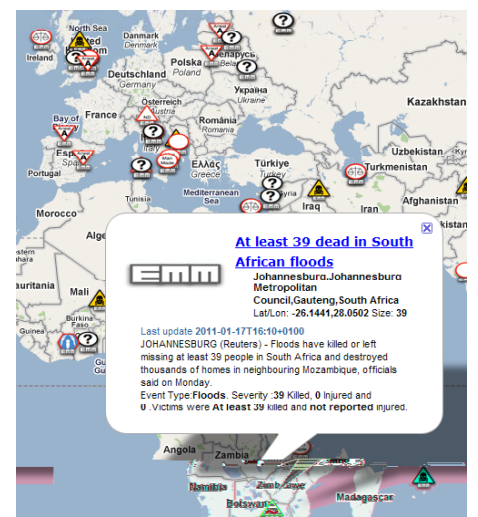
Latest News About - Climate Change

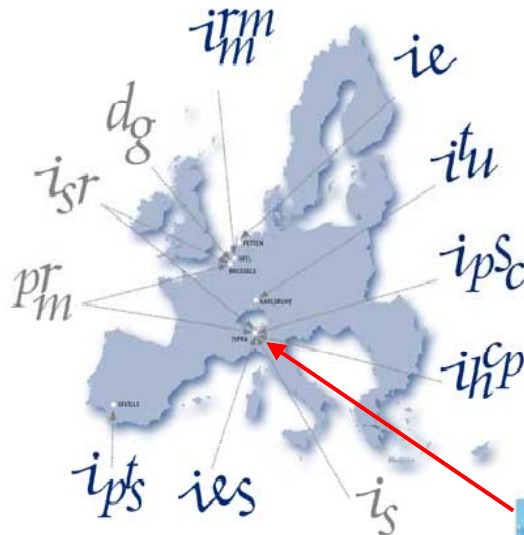
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With 1.6 billion people in developing countries still lacking access to electricity, Secretary-General Ban Ki-moon today called for a global revolution to address the world's energy challenges....

Environmental degradation needs immediate attention: Afridi
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BRUSSELS (BE)

[The Directorate General \(DG\)](#)
[The Institutional and Scientific Relations Directorate \(ISR\)](#)
[The Programme and Resource Management Directorate \(PRM\)](#)

GEEL (BE)

[The Institute for Reference Materials and Measurements \(IRMM\)](#)

KARLSRUHE (DE)

[The Institute for Transuranium Elements \(ITU\)](#)

ISPRA (IT) [Download the Ispra site Brochure \(English - Italian\)](#)

[The Institute for the Protection and Security of the Citizen \(IPSC\)](#)
[The Institute for Environment and Sustainability \(IES\)](#)
[The Institute for Health and Consumer Protection \(IHCP\)](#)
[The Ispra site Directorate \(IS\)](#)

PETTEN (NL)

[The Institute for Energy \(IE\)](#)

SEVILLE (E)

[The Institute for Prospective Technological Studies \(IPTS\)](#)



- European Commission (scientific-technical arm of public administration)
- Non-commercial
- Multi-disciplinary / multilingual
- Relatively small team working on Language Technology and media monitoring



- **European Commission** (most DGs) and other EU Institutions
- **EU Agencies:**
 - e.g. Public Health (ECDC), **Food** Safety (EFSA), **Chemicals** Bureau (ECHA), etc.
- **EU Member State organisations:** e.g.
 - Public **Health**,
 - **law enforcement** authorities,
 - **parliaments**,
 - crisis management/**humanitarian**
- **International and extra-European organisations:** e.g.
 - various UN organisations
 - Centres for **Disease** Prevention and Control in the **US, Canada, China**, ...
- **The public:**
 - Ca. 20 - 30,000 anonymous **internet** users of publicly accessible EMM systems.
 - Combined between 1 and 2 Million hits per day



- ~ **2500 Sources** (world-wide, with focus on Europe)
 - ~ 2300 news sources (web portals)
 - ~ 200 specialist medical sites
 - ~ 20 commercial newswires
 - Specialist pay-for sources (LexisMed)
 - 24/7, updated every 10 minutes
- ~ **100,000 articles / day in ~ 50 languages**
- Converts dirty html with adverts, menus, html tags, 'related stories', etc. into clean and standardised UTF-8 encoded RSS format.
- Articles are fed into the various EMM applications:



Steinberger Ralf, Bruno Pouliquen & Erik van der Goot (2009). **An introduction to the Europe Media Monitor Family of Applications**. In: Fredric Gey, Noriko Kando & Jussi Karlgren (eds.): Information Access in a Multilingual World - Proceedings of the SIGIR 2009 Workshop (SIGIR-CLIR'2009), pp. 1-8. Boston, USA. 23 July 2009.

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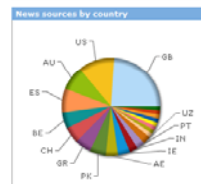
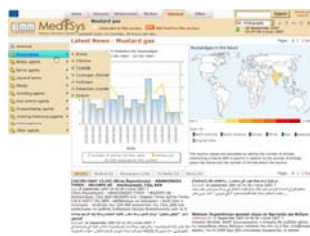
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At least 39 dead in South African floods
Johannesburg, Johannesburg Metropolitan Council, Gauteng, South Africa
 Lat/Lon: -26.1441,28.0502 Size: 39

Last update 2011-01-17T16:10+0100
JOHANNESBURG (Reuters) - Floods have killed or left missing at least 39 people in South Africa and destroyed thousands of homes in neighbouring Mozambique, officials said on Monday.
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Locations mentioned in MedISys medical articles across languages – **complementary coverage**



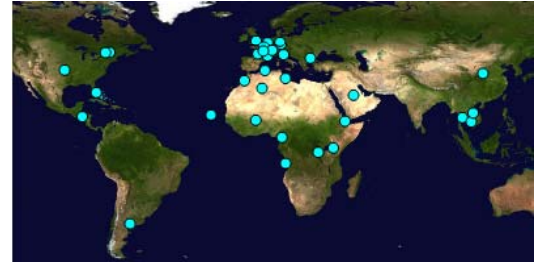
Italian - German



English - French



Spanish - Portuguese

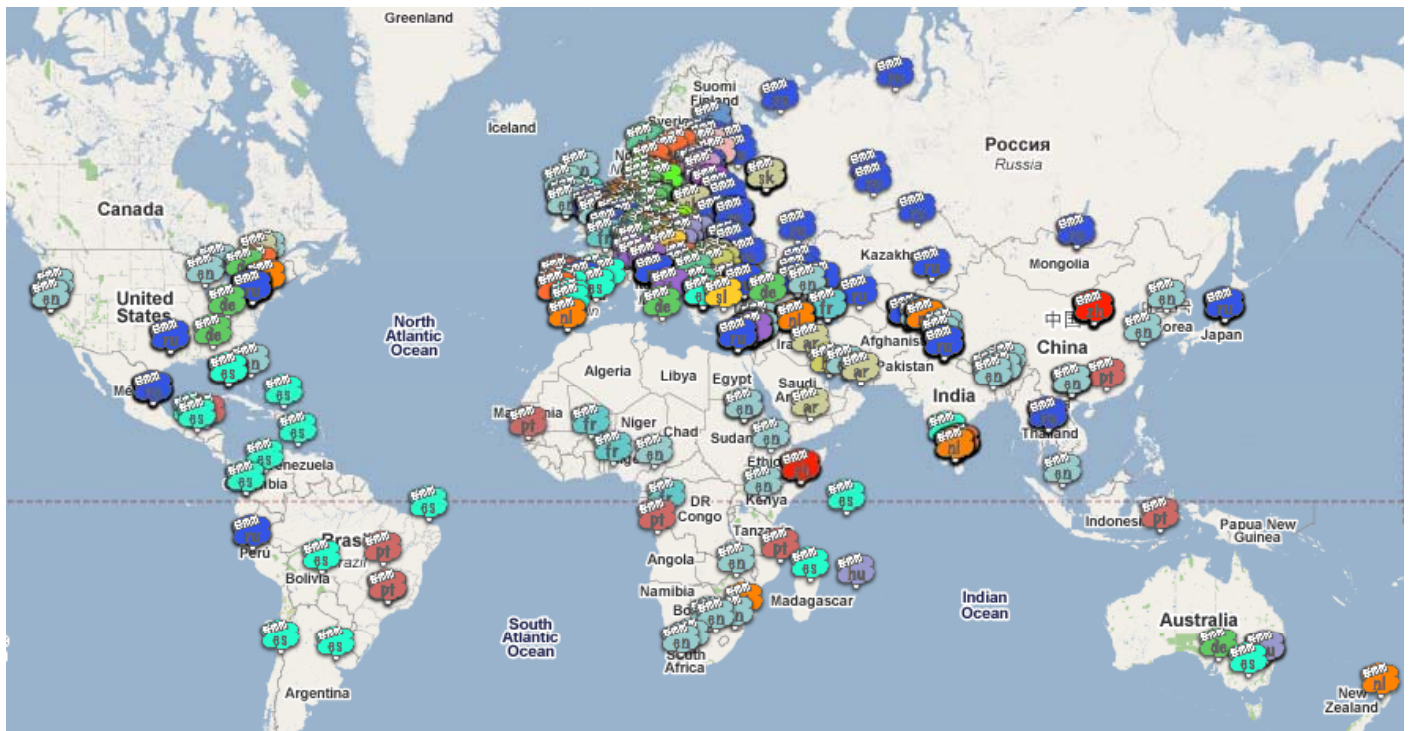


NewsBrief Live Cluster Map



Display of latest geo-located news clusters

[live](#)





Co-occurrence relation between people produced on the basis of many languages is **less biased**.

- Associated People**
- Salman Bashir (1.9)
 - Джон Негропонте (1.5)
 - Nawaz Sharif (1.2)
 - Раджа Омар Хатаб (1.2)
 - Мухоммада Али Джинны (1.2)
 - Зульф리카ра Али Бхутто (1.2)
 - Ifkhar Muhammad Chaudhry (1.1)
 - Christian College (1.1)
 - Tariq Azeem (1.1)
 - Benazir Bhutto (1.1)
 - Malik Mohammad Qayyum (1.0)
 - Chaudhry Shujaat Hussain (1.0)
 - Furqan Bahadur (1.0)
 - Javed Cheema (0.9)
 - Shaukat Aziz (0.9)
 - Abdul Rashid Ghazi (0.9)
 - Amir Mir Lahore (0.9)
 - Amin Fahim (0.9)
 - Гордон Джонроу (0.9)
 - Wajihuddin Ahmed (0.9)
 - Mohammed Ali Durrani (0.9)
 - Rashid Qureshi (0.9)
 - Oazi Hussain Ahmed (0.9)

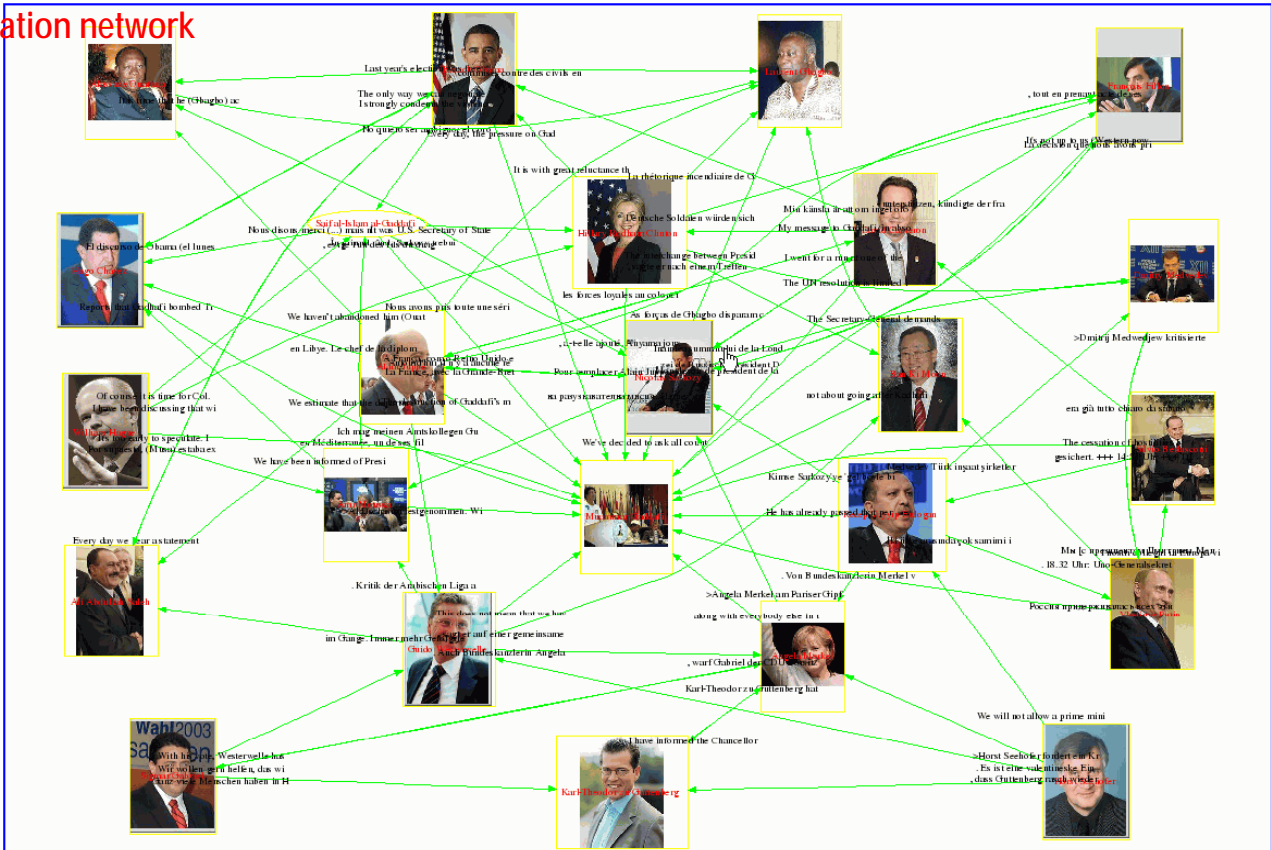


live

Pouliquen Bruno, Ralf Steinberger, Jenya Belyaeva (2007). **Multilingual multi-document continuously updated social networks**. Proceedings of the Workshop *Multi-source Multilingual Information Extraction and Summarization (MMIES'2007)* held at *RANLP'2007*, pp. 25-32. Borovets, Bulgaria, 26 September 2007. (PDF)

Hristo Tanev (2007). **Unsupervised Learning of Social Networks from a Multiple-Source News Corpus**. Proceedings of the Workshop *Multi-source Multilingual Information Extraction and Summarization (MMIES'2007)* held at *RANLP'2007*, pp. 33-40. Borovets, Bulgaria, 26 September 2007. (PDF)


Quotation network



live

Alexander Litvinenko

Information about this person was last updated on Dienstag, 20. März 2007.

Names	Key Titles and Phrases	External resources
Alexander Litvinenko (Eu,nl)	russo (it,pt - 349)	 <p>Image obtained automatically from Wikipedia</p> <p>Read Wikipedia entry</p>
Alexander Litwinenko (de)	agent russe (fr - 134)	
Alexandre Litvinenko (fr)	ruso (es - 208)	
Aleksandr Litvinenko (fi,no)	agenten (de,sv - 134)	
Aleksander Litvinenko (nl,sv)	kritikers (de - 79)	
Александра Литвиненко (ru)	agent (en,sv - 130)	
Александр Литвиненко (ru)	rusa (it,pt - 76)	
Alexander Litvinenko (it)	agent secret russe (fr - 39)	
Alexander V. Litvinenko (en)	russe (de,fr - 73)	
Alexandr Litvinenko (it)	former russian agent (en - 20)	
Alexander Litvineko (es)	morte di (it - 45)	
Alexandre Livinenko (fr)	ryske agenten (sv - 13)	
Alexander Litvenenko (en)	kritiker (de - 19)	
亞歷山大·利特維年科 (zh)	43 ans (fr - 17)	
Oleksandr Lytvynenko (en)	russi (it - 14)	
Olexandre Litvinenko (fr)	russian (en - 15)	
Aleksandar Litvinjenko (hr)	omicidio di (it - 11)	
Alexander Litvinenk (it)	officer (en - 13)	
アレクサンダー・リトビネンコ (ja)	former (en - 16)	
Alexander Walterowitsch Litwinenko (de)		

Steinberger Ralf & Bruno Pouliquen (2007). **Cross-lingual Named Entity Recognition**. In: Satoshi Sekine & Elisabete Ranchhod (eds.), *Journal Linguisticae Investigationes*, Special Issue on Named Entity Recognition and Categorisation, LI 30:1, pp. 135-162. John Benjamins Publishing Company. ISSN 0378-4169.

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Latest News About - Climate Change

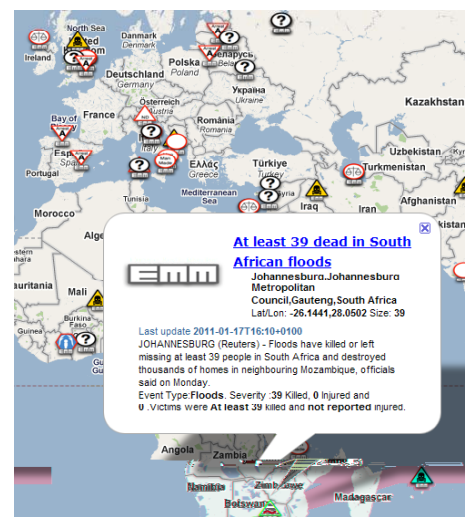
Page: 1 2 3 4 Next

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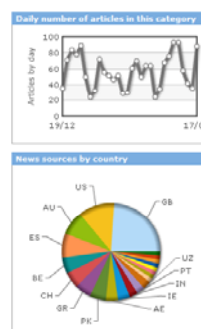
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At least 39 dead in South African floods

Emm Johannesburg, Johannesburg Metropolitan Council, Gauteng, South Africa
 Lat/Lon: -26.1441, 28.0502 Size: 39

Last update 2011-01-17T16:10+0100
JOHANNESBURG (Reuters) - Floods have killed or left missing at least 39 people in South Africa and destroyed thousands of homes in neighbouring Mozambique, officials said on Monday.
 Event Type: Floods. Severity: 39 Killed, 0 Injured and 0 Victims were At least 39 killed and not reported injured.





- Public sites: <http://emm.newsbrief.eu/> & <http://medusa.jrc.it/>
- Categorises news into over 1000 categories, using:
 - Boolean search word combinations
 - vicinity operators
 - optional weights
 - regular expressions
- Clusters and tracks news live (multi-monolingually)
- Sends out email notifications for each category
- Detects breaking news
- Lookup of *known* entities
- Quotation recognition

The screenshot shows the EMM NewsBrief website. At the top, it says 'Explore our projects: EMM NewsExplorer | MedISys | EMM Labs'. Below this is a 'Top Stories' section with a line graph showing 'Articles Over Previous 4h' for various languages from 27/03/2011 to 10:00. The graph shows several lines representing different languages, with some showing a significant increase in article volume. Below the graph are three news items: 'Japan nuclear plant contaminates sea water', 'National > Radiation from No. 2 reactor may be spreading in seawater and soil', and 'Rebels say they control Gaddafi's hometown'. A sidebar on the left contains a 'Main Menu' with links like 'Top Stories', '24 Hours Overview', and 'Events Detection'. Below that is an 'EU Focus' section with links to 'European Council', 'Hungarian Presidency of the Council of the European Union', etc. At the bottom of the sidebar is an 'EU Policy Areas' section with links to 'Agriculture', 'Audiovisual and Media', 'Budget', etc.

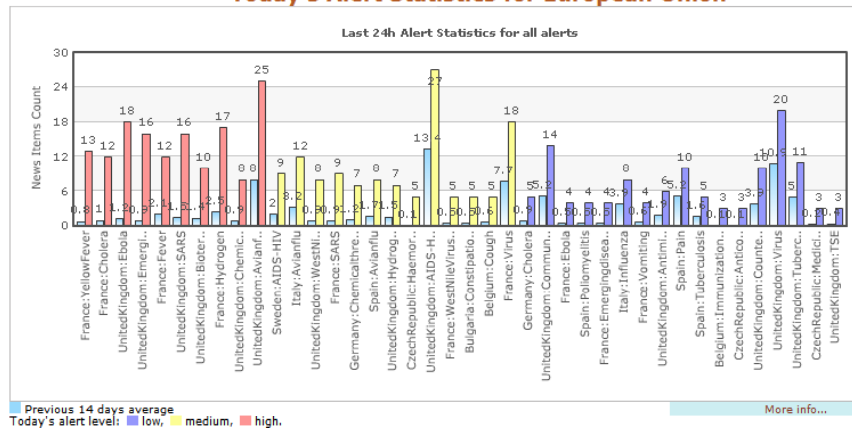


The screenshot shows the MedISys website interface. At the top, there's a navigation bar with 'Home', 'Diseases', 'Bioterrorism', 'Nuclear', 'Chemical', and 'Other'. Below this is a search bar with 'all - All languages' selected and the date '18 September 2007 20:47:53 o'clock CEST'. The main content area is titled 'Mustard gas' and features a bar chart showing the 'Number of articles for this alert' and 'Articles per 10.000 received by the system' from 05/09/2007 to 18/09/2007. The chart shows a peak in articles around 14/09/2007. To the right of the chart is a world map titled 'Mustardgas in the News' with a color scale from 'low' to 'high'. Below the map are zoom options for 'North America', 'South America', 'Europe', 'Africa', 'Asia', and 'Australia'. On the left side, there's a sidebar with a tree view of categories: 'chemical', 'Blood agents', 'Blister agents', 'Nerve agents', 'General terms', 'Metals', 'Vomiting agents', 'Riot control agents', 'Incapacitating agents', 'Choking-Pulmonary agents', 'Anticoagulants', and 'Other agents'. At the bottom, there's a section for 'Latest News - Mustard gas' with a list of news items, including one from '18/09/2007 15:24' in Greek and another from '18 September 2007 03:51:00 o'clock CEST' in Arabic. The Arabic article is titled 'WinGas: Περισσότερο φυσικό αέριο σε Βρετανία και Βέλγιο'.

Access MedISys at <http://medusa.jrc.it/>

- Documents from all languages get classified according to the same countries and categories.
- An increase of the number of media reports on any country-category combination is detected, independently of the reporting language.
- **Graphs and alerts may show events not yet reported in your own language.**

Today's Alert Statistics for European Union



Ralf Steinberger, Flavio Fuart, Erik van der Goot, Clive Best, Peter von Etter & Roman Yangarber (2008). **Text Mining from the Web for Medical Intelligence**. In: Fogelman-Soulié Françoise, Domenico Perrotta, Jakub Piskorski & Ralf Steinberger (eds.): Mining Massive Data Sets for Security. pp. 295-310. IOS Press, Amsterdam, The Netherlands

Today's Alert Statistics for European Union

Most reported countries (24h)

Latest News - Spain, Legionellosis

Articles published more than 40 minutes ago

Detectan a dos personas más afectadas por el brote de legionella en Madrid

Madrid Tuesday, October 26, 2010 7:59:00 PM CEST | info | [en]

Nacional - Edición digital 18:10 La Consejería de Sanidad de la Comunidad de Madrid detectado dos afectados más de legionella en Madrid, lo que eleva a 29 el número de diagnósticos. Un total de seis de los enfermos que permanecían ingresados por el brote de legionella en el Hospital General de Madrid.

Articles published more than 3 hours ago

Dos nuevos casos elevan a 29 los afectados por legionella en Madrid

Madrid Tuesday, October 26, 2010 2:14:00 PM CEST | info | [en]

Según la información que ha hecho pública la Consejería de Sanidad de la Comunidad de Madrid, dos nuevos casos de legionella han sido diagnosticados en la Comunidad de Madrid, lo que eleva a 29 el número de afectados por el brote de legionella en el Hospital General de Madrid. Los nuevos casos de legionella en Madrid elevan a 29 el número de afectados por el brote de legionella en el Hospital General de Madrid.

Articles published more than 6 hours ago

Dos nuevos casos de legionella elevan a 29 el número de afectados en Madrid

Madrid Tuesday, October 26, 2010 11:30:00 AM CEST | info | [en]

Según la información que ha hecho pública la Consejería de Sanidad de la Comunidad de Madrid, dos nuevos casos de legionella han sido diagnosticados en la Comunidad de Madrid, lo que eleva a 29 el número de afectados por el brote de legionella en el Hospital General de Madrid. Los nuevos casos de legionella en Madrid elevan a 29 el número de afectados por el brote de legionella en el Hospital General de Madrid.

Spain (ES)

News about Spain

News sources from Spain

Daily number of articles in this category

Explore our projects: [EMM NewsExplorer](#) | [Med1Sys](#) | [EMM Labs](#)

EMM NewsBrief

Ecology

UPDATED EVERY 10 MINUTES, 24 HOURS PER DAY.

Page: 1 2 Next

Main Menu

- 24 Hours Overview
- Events Detection
- Most Active Themes
- Mobile Edition
- Help about EMM
- Overview
- Advanced Search
- Web Site Map

EU Focus

- European Council
- Hungarian Presidency of the Council of the European Union
- EC News
- Council President
- EU Foreign Affairs Representative
- Europe 2020
- Financial Crisis
- Cancun Summit

EU Policy Areas

- Agriculture
- Audiovisual and Media
- Budget
- Competition
- Consumers
- Culture
- Customs
- Development
- Economic and Monetary Affairs

Latest News About - Ecology

Articles published more than 40 minutes ago

24 pilot whales die in New Zealand
nst Friday, January 21, 2011 7:49:00 AM CET | info
WELLINGTON: New Zealand conservation officials on Friday euthanized 10 pilot whales, the only survivors of a 24-strong pod that became stranded in a mangrove swamp. The whales had been found earlier in the day trapped in the shallow water and mud in Parengarenga Harbor on North Island, with 14 already dead....

Articles published more than 1 hour ago

24 pilot whales die in stranding
NEWScomAU Friday, January 21, 2011 6:49:00 AM CET | info
NEW Zealand conservation officials euthanized 10 pilot whales, the only survivors of a 24-strong pod that became stranded in a mangrove swamp....

Muntinlupa turns green, bans plastic, styrofoam
abc-online Friday, January 21, 2011 5:44:00 AM CET | info
MANILA, Philippines - If you live in Muntinlupa City, you better bring your own bag the next time you shop....

Articles published more than 2 hours ago

Calif. Plants Put a Wrinkle In Climate Change Plans
NPRnews Friday, January 21, 2011 6:10:00 AM CET | info
As global temperatures rise, many plants and animals are moving to higher elevations to keep their cool. But a new study found plants in northern California are actually moving downhill, where it's wetter. "These plants are tracking water availability more so than temperature," one researcher says....

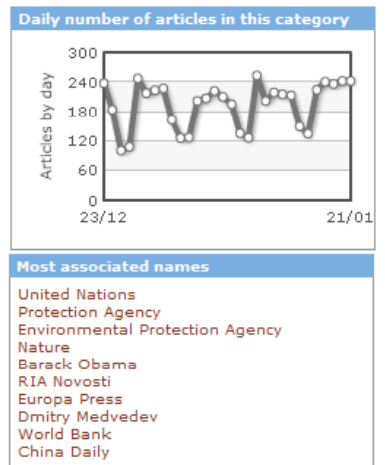
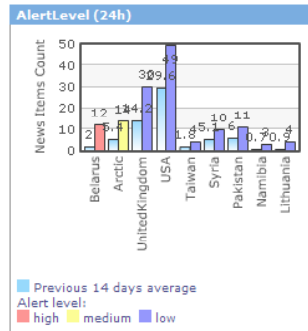
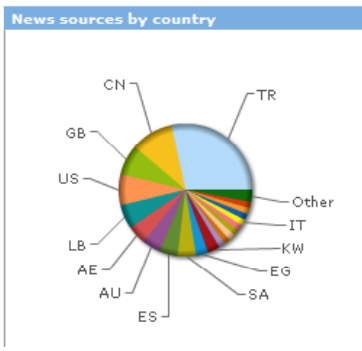
Renewable energy sector has lots of spark left, say Experts

Extracted quotes

Fatih Birol said: "The main challenge from the economic crisis is over but full recovery is threatened by the lack of equilibrium between the cost and supply of oil," "High oil prices are a key risk to the fragile economic recovery among developed nations"
khaleejtimes Friday, January 21, 2011 6:02:00 AM CET

Fatih Birol said: "Government subsidies of energy fuels leads to inefficiencies and waste through artificially high use," "Coupled with the current gas glut this poses a real threat to future investment in renewables. Having said this, energy policy reforms being formulated and implemented by the UAE government need to be commended"
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Nicholas Stern said: "In order that climate change targets can be



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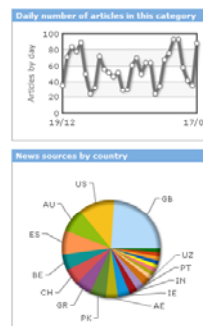
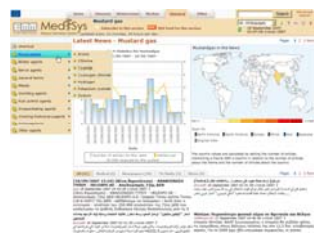
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EMM NewsBrief EMM NewsExplorer

Name Search Text Search

News Analysis RSS RSS feed for the latest news summary Daily News Analysis, across languages and over time

Clustered news for Sunday, March 27, 2011

Read more...

View with Google Earth

Libyan rebels continue westward push [67] de es fr it nl ar bg da et fa no pl pt ro ru sl sv sw tr

Libyan rebels say they have entered town of Ras Lanuf after defeating pro-Gaddafi troops further east. RTERadio 1:30:00 PM CEST

Workers evacuated from Fukushima plant [45] de es fr it nl da et pl pt sl sv

Japanese authorities evacuated workers from a reactor building they were working in after high doses of radiation were detected at the crippled Fukushima nuclear plant. RTERadio 9:20:00 AM CEST

2 killed in Israeli airstrike as nation deploys new defense system [37] de es fr it nl ar bg pt sl sv

An Israeli airstrike in northern Gaza Sunday morning killed two Palestinians and injured three others, according to Israeli and Palestinian officials. cnn 5:24:00 PM CEST

Syrian troops step up street patrols [29] de es fr it nl ar da fa no pt ru sl sv tr

Syria's army beefed up its presence in the southern city of Deraa, a

Countries: United States (270), United Kingdom (138), Libyan Arab Jamahiriya (60), Cote D'Ivoire (46), Yemen (43), Italy (38), Canada (38), Australia (37), Sudan (35), India (34), Turkey (34), Somalia (30), Russian Federation (29), Japan (27), Iran, Islamic Republic Of (27), Afghanistan (25), Cyprus (22), Greece (20), Malta (20), Egypt (19), China (18), Syrian Arab Republic (17), Cuba (17), Lebanon (16)

People: Muammar Gaddafi, Robert Gates, Bashar Assad, Barack Obama, Hillary Rodham Clinton, Hidehiko Nishiyama, Ali Abdullah Saleh, Yukio Edano, Angela Merkel, Ed Milliband, Manmohan Singh, Yousaf Raza Gillani, Khaled Kaim, Asif Ali Zardari, Geraldine Ferraro, Bouthaina Shaaban, Farhatullah Babar, Stephen Harper, Liam Fox, Dan Vojtesek

This Week's New Stories: Portugal's prime minister resigns after losing austerity measure confidence vote, 60 confirmed dead in Burma earthquake, Pak-India composite dialogue to resume on March 28, Man is charged over Sian murder, Elizabeth Taylor: her life and loves in pictures

This Month's New Stories: 37 killed amid Syria protests, U.N. says, Germany's Merkel faces state poll blow, Dublin increases banks' support, Portugal's prime minister resigns after losing austerity measure confidence vote, Greek government rejects downgrade

Castro quits as president, state-run paper reports [72] de es fr it nl ar bg da et fa no pl pt ro ru sl sv tr

Fidel Castro announced his resignation as president of Cuba and commander-in-chief of Cuba's military on Tuesday, according to a letter published by state-run newspaper Granma. cnn 9:23:00 AM CET

Kuba: Fidel Castro gibt das Zepter ab en es fr it nl ar bg da et fa no pl pt ro ru sl sv tr

Der legendäre kubanische Staatschef verzichtet laut Online-Ausgabe der kommunistischen Parteizeitung auf die Führung des Landes. kleienzeitung 10.03.2011

Fidel Castro zrezygnował! de en es fr it nl

Przewódca kubański Fidel Castro po 49 latach rządów zrezygnował we wtorek z funkcji przewodniczącego Rady Państwa Kuby.

Fidel Castro renunciou à presidência de Cuba de en es fr it nl

Anúncio no órgão oficial do Partido Comunista cubano Fidel Castro anunciou hoje que se retira da presidência do país. g1 09:23:00 AM CET

Fidel Castro se retrage de la presidintia Cubei de en es fr it nl

Fidel Castro a anunțat, marti, ca renunța la presedintia Cubei, în editia electronica a cotidianului "Granma". g1 09:23:00 AM CET

Fidel Castro se je odpovedal položaju kubanskega predsednika de en es fr it nl

Kubanski voditelj Fidel Castro je danes sporočil, da se odpoveduje položaju predsednika države. Kot je pričakovano, je bil njegov odstop uradno objavljeno v ponedeljek v slovenski izdaji uradnega glasila Granma, se ne poteguje in ne velja nazaj. smp kl 19:51 CET

Värmbys skakade hand med Fidel Castro. de en es fr it nl

- Ja. Jag har inte tvättat högernäven sedan dess, 1983. Jag var på en stor sammandragning på Kuba med uppmaningen att USA skulle häva blockaden mot landet. smp kl 19:51 CET

Фидель Кастро отказался от поста председателя Госсовета Кубы de en fr it nl

ГЛАВНА, 19 февраля. /ИТАР-ТАСС/. Фидель Кастро отказался от поста главы государства и правительства - председателя Государственного совета Кубы. Об этом он сообщил в обращении к гражданам. russia 19:51:00 CET

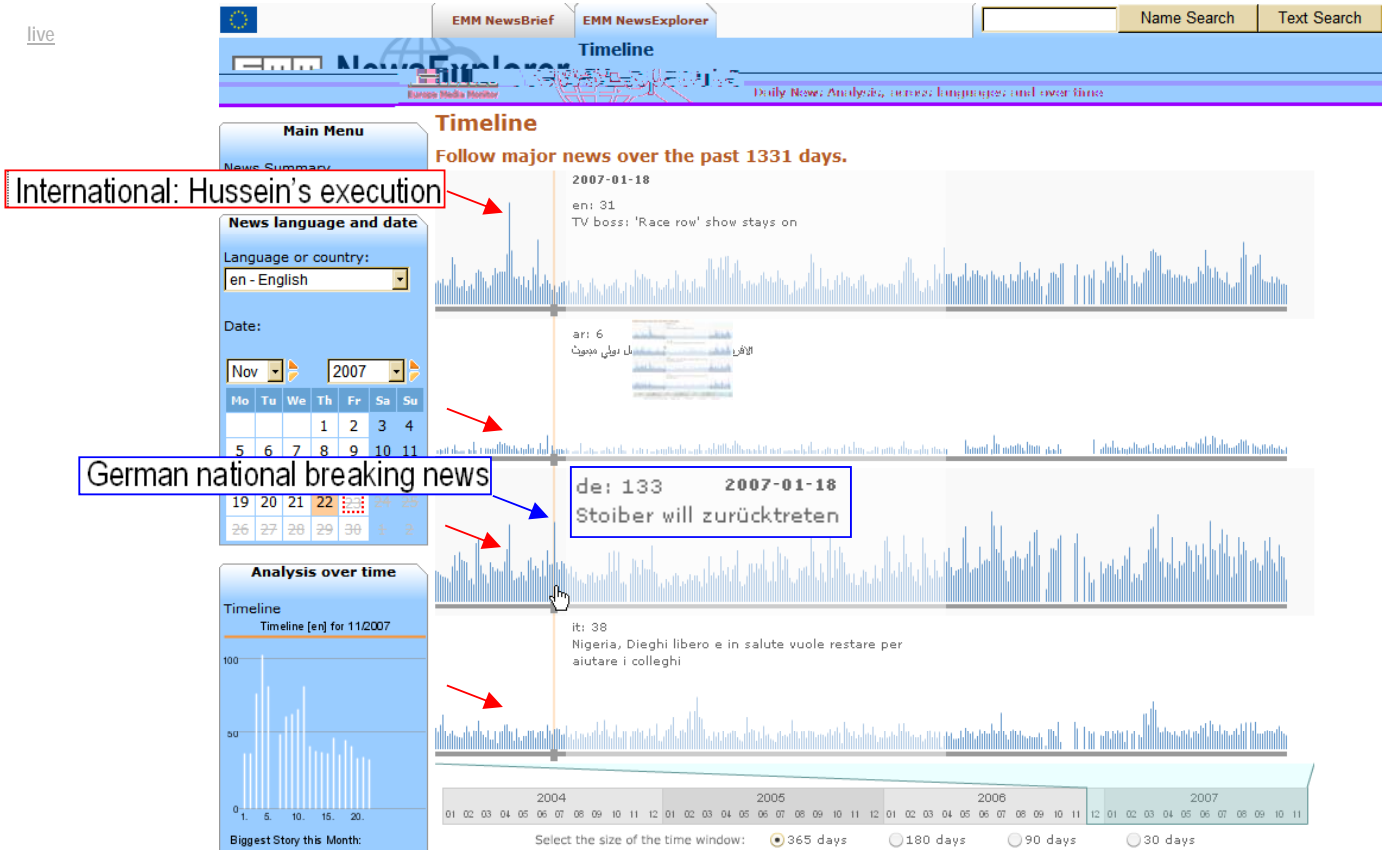
Bir dönemin sonu de en es fr it nl

Küba Komünist Partisi'nin yayın organı Granma'ya açıklama yapan Castro, devlet başkanlığına geri dönmeyeceğini belirtti. Fidel Castro 1959 yılından beri ülkeyi yönetiyordu. Ancak 2006'da geçirdiği ağır ameliyattan beri iktidar koltuğundan uzak kaldı. Ülke yönetimine, ağabeyi Fidel Castro'ya vekalet eden Raul Castro baskıyordu. hurvetim 10:15:00 CET

Fogħ vil ikke savne Castro de en es fr it nl

"Politik" REPLIK: Castro-aja lõpu algus de en es fr it nl

Üks 20. sajandi vabadus-võitleja ja tuntum diktaator Fidel Castro kuu Nõukogude "gerondid", kelle jaoks tähendas lahkumine võimult ka võim kestab vähemalt esitseda edasi, sest esimeseks asendajaks peetakse Raul Castrot. epl 23:17:00 CET



Thursday, November 22, 2007

Pakistan court dismisses final Musharraf challenge de es fr it nl ar bg da pl pt ru sl sv tr

Pakistan's new-look Supreme Court has, as expected, dismissed the last challenge to President Pervez Musharraf's re-election.
euronews-en 2:31:00 PM CET

Did Pakistan Face Rule? A Little Test Says No

Emergency rule 'destroying the judiciary'
BangkokPost 8:26:00 PM CET

Exiled ex-PM Sharif plots return to Pakistan
usaToday 10:58:00 PM CET

Pakistan Court Rules for Musharraf
ABCnews 2:43:00 PM CET

'Bush unembarrassed by Pakistan emergency'
dailytimesPK 12:28:00 AM CET

PM in Uganda for Commonwealth summit
TorontoStar 5:40:00 PM CET

Commonwealth to drop Pakistan
guardian 1:03:00 PM CET

Pakistan's Commonwealth suspension in sorrow, not anger: Britain (AFP)
news-yahoo 11:34:00 PM CET

Pakistan: Emergency and chaos

Countries

- Pakistan (26)
- United States (13)
- Saudi Arabia (10)

Places

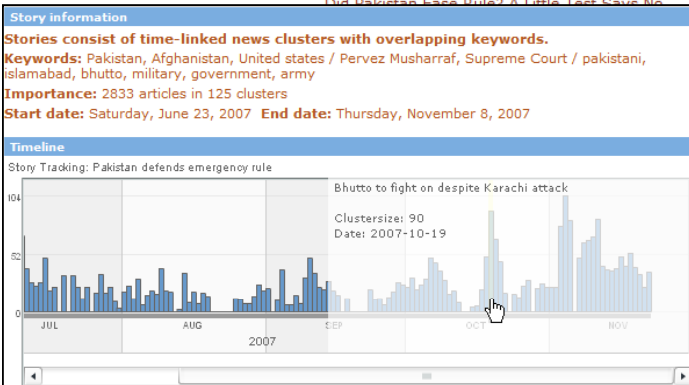
- Islamabad(PK)
- Rawalpindi(PK)
- Karachi(PK)
- Washington(US)
- Ar Riyad(SA)
- Jiddah(SA)

Related People

- Pervez Musharraf (26)
- Imran Khan (6)
- George W. Bush (5)
- Gordon Brown (4)
- Don McKinnon (4)
- Nawaz Sharif (4)
- Benazir Bhutto (3)
- Malik Mohammad Qayyum (3)
- Iftikhar Muhammad Chaudhry (2)
- Aitzaz Ahsan (2)
- Ahsan Iqbal (2)
- Thomas Jefferson (2)
- Asma Jahangir (2)
- David Cameron (2)
- Louise Arbour (1)
- Qazi Hussain Ahmed (1)
- Stephen Harper (1)
- Najam Sethi (1)
- Khalid Hassan (1)
- Hina Jilani (1)
- Wajihuddin Ahmed (1)
- John Negroponte (1)
- Rashid Qureshi (1)
- Jemima Khan (1)
- Benazir Bhutto (1)

Other Names

- Supreme Court (27)
- Human Rights Watch (3)
- Pakistan Muslim League (2)
- High Court (2)
- High Commission (2)
- GEO Television (2)
- Human Rights Commission (1)
- Al Qaeda (1)



This cluster belong to the following story: Pakistan defends emergency rule

islamabad, bhutto, military, government, army
Start date: Saturday, June 23, 2007

7 days before. Musharraf unveils new interim PM *Similarity: 0.87*

Tendulkar sets up series win over Pakistan *Similarity: 0.34*

6 days before. Musharraf swears in caretaker cabinet *Similarity: 0.83*

5 days before. US envoy meets Musharraf *Similarity: 0.85*

Pakistan-India tennis series : Pakistan win second leg to level series 1-1 *Similarity: 0.34*

4 days before. US tells Musharraf to step back *Similarity: 0.86*



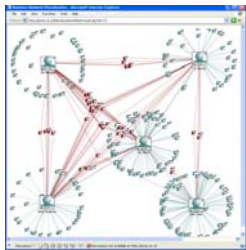
- Associated People**
- Maciej Krych (1.3)
 - Hanibala Gadafija (1.1)
 - Donatella Rovera (1.0)
 - Saif al-Islam al-Gaddafi (1.0)**
 - Richard Lebaron (1.0)
 - Roberto Maronim (1.0)
 - Devrim Komiteleri (1.0)
 - Maurizio Farina (1.0)
 - Silvio Berlusconi-oceni (0.9)
 - Moustapha Abdel Jalil (0.9)
 - Musa Kusa (0.9)
 - Ben Jawad (0.8)
 - Moustafa Gheriani (0.8)
 - Abdel-Rahman Shalqam (0.8)
 - Ibrahim Dabbashi (0.8)
 - Al-Chuweildi al-Humaidi (0.8)
 - Frederick Nyakabwa Atwoki (0.8)
 - Bab Azizia (0.8)
 - Rolf Porseryds (0.8)
 - Musa Ibrahim (0.8)
 - Mahmoud Jebril (0.8)
 - Ali al-Essawi (0.8)
 - Osten Libyens (0.8)
 - Mustafa Mohamed Abud al-

Example:
Muammar Gaddafi & son Saif al-Islam al-Gaddafi

Saif al-Islam al-Gaddafi

Information about this person was last updated on Satu

Names	Key Titles and Phrases
Saif al-Islam (ar,sv)	son (en,sv - 125)
Seif al-Islam (da,sv)	fiis (fr - 63)
سيف الإسلام (ar)	sohn (de - 46)
Saif al Islam (de,sl)	dirigeant libyen (fr - 13)
Seif Al-Islam (en,ro)	zoon (nl - 26)
Сейф а Іслам (bg)	figlio (it - 26)
Seif al Islam (de,sl)	libyen (fr - 13)
سيف الإسلام الغدافي (ar)	filho (pt - 22)
Saif al-Islam Gaddafi (da,sv)	hijo (es - 19)
Seif el-Islam (da,nl)	sin (sl - 12)
Seif al-Islam Kadhafi (en,pt)	président libyen (fr - 6)
Sayf al-Islam (it,sv)	libyan leader (en - 7)
Seif el Islam (de,pt)	moammar gadhafi#s son (en - 4)
Seif el-Islam Kadhafi (fr,pt)	sina (sl - 7)
Saif al-Islam (fr,nl)	leader libico (it - 5)
Saif al-Islam al-Gaddafi (Eu,nl)	fiis de #Moammar Kadhafi (fr - 2)
Scif Al Islam (fr)	



live

- JRC: Who we are – what we do – our customers.
- Europe Media Monitor (EMM) family of applications
 - Publicly accessible at <http://emm.newsbrief.eu/overview.html>
- Motivation for multilingual text processing
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 - Multilingual event scenario template filling**
- Ongoing work & Summary

Latest News About - Climate Change

Page: 1 2 3 4 Next

Articles published more than 10 minutes ago
El Gobierno de Aragón pone en marcha el Manual de Buenas Prácticas Medioambientales en obras de carreteras
 que Monday, January 17, 2011 4:19:00 PM CET | info
 Los Departamentos de Obras Públicas, Urbanismo y Transportes y de Medio Ambiente del Gobierno de Aragón han puesto en marcha el Manual de Buenas Prácticas Medioambientales, cuyo objetivo es conseguir mejoras en la integración de los aspectos medioambientales en las obras relacionadas con las carreteras de titularidad de la Comunidad autónoma...

Articles published more than 20 minutes ago
Ban calls for global revolution to ensure clean energy for all
 with Monday, January 17, 2011 4:11:00 PM CET | info
 With 1.6 billion people in developing countries still lacking access to electricity, Secretary-General Ban Ki-moon today called for a global revolution to address the world's energy challenges...

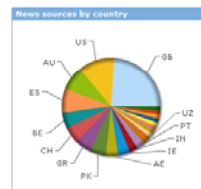
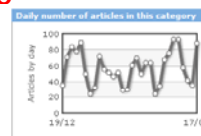
Environmental degradation needs immediate attention: Afridi
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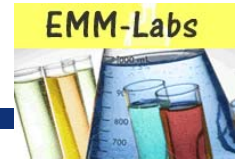
Articles published more than 30 minutes ago
Gas drilling done 'by the book'
 lbr Monday, January 17, 2011 4:02:00 PM CET | info
 A firm which is drilling for shale gas in Lancashire seeks to reassure residents and environmentalists that it is safe...

At least 39 dead in South African floods

Johannesburg, Johannesburg Metropolitan Council, Gauteng, South Africa
 Lat/Lon: -26.1441, 28.0502 Size: 39

Last update 2011-01-17T16:10+0100
 JOHANNESBURG (Reuters) - Floods have killed or left missing at least 39 people in South Africa and destroyed thousands of homes in neighbouring Mozambique, officials said on Monday.
 Event Type: Floods. Severity: 39 Killed, 0 Injured and 0 Victims were At least 39 killed and not reported injured.





Access NEXUS at: <http://emm-labs.jrc.it/> or

<http://emm.newsbrief.eu/geo?type=event&format=html&language=all>

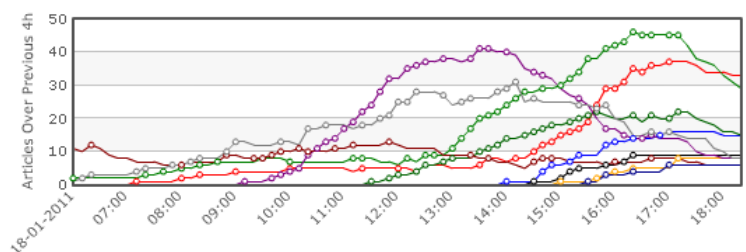
Atkinson Martin, Jakub Piskorski, Bruno Pouliquen, Ralf Steinberger, Hristo Tanev & Vanni Zavarella (2008). **Online-monitoring of security-related events**. In Proceedings of the 22nd International Conference on Computational Linguistics (**CoLing'2008**). Manchester, UK, 18-22 August 2008. (PDF)

- **NEXUS:**
Multilingual Information Extraction system for the extraction of **structured event descriptions** from online news referring to conflicts, crimes and disasters.

TYPE
PLACE
TIME
DEAD COUNT
DEAD DESCRIPTION
WOUNDED COUNT/DESC
DISPLACED COUNT/DESC
HOMELESS COUNT/DESC
ARRESTED COUNT/DESC
PERPETRATOR
WEAPONS

- **Currently 7 Languages:**
English, French, Portuguese, Arabic, Spanish, Italian, Russian (and Chinese).
- **Near real-time: every 10 minutes**, EMM clusters the latest articles about the same event and NEXUS extracts structured information.

- **Objective:**
Global crisis monitoring
(Live situation or long-term trend).



[Baghdad car bombs kill at least 127](#)

Event Type: Terrorist Attack
 Severity: 127 killed 448 injured
 Weapons: car bomb
 Place: Baghdad

[Johannesburg: cinq suspects arrêtés pour le meurtre du curé français](#)

Event Type: Arrest
 Severity: 1 killed 0 injured
 Victims: prêtre français/ Louis Blondel killed
 Place: Johannesburg

[Police search for killer bus driver](#)

Event Type: Man-Made Disaster
 Severity: 1 killed 6 injured
 Victims: passenger killed
 Place: London

[Timor-Leste: Indonésios estão a fazer "cortina de fumo" sobre morte dos "5 de Balibó" - viúva \(C/ÁUDIO\)](#)

Severity: 5 killed, 0 injured
 Victims: jornalistas killed
 Place: Timor-Leste.

Car bomber strikes north Pakistan

ech-chorouk-en Tuesday, November 10, 2009 2:23:00 PM CET

A car bomb has exploded in Pakistani's northwestern town of Charsadda killing *at least 10 people....*

Bomb explodes in northwestern Pakistani town

yediotaharonot Tuesday, November 10, 2009 1:58:00 PM CET

A bomb exploded in the northwestern Pakistani town of Charsadda on Tuesday causing an *unknown number* of casualties, police said. "It was a bomb blast...."

10 killed in Pakistan bomb

RTERadio Tuesday, November 10, 2009 1:57:00 PM CET


A bomb has exploded in the north-western Pakistani town of Charsadda, killing *10 people....*

TYPE	Bombing
PLACE	Charsadda, Pakistan
TIME	Tuesday, November 10, 2009
DEAD COUNT	10
DEAD DESCRIPTION	people
WOUNDED COUNT/DESC	
DISPLACED COUNT/DESC	
HOMELESS COUNT/DESC	
ARRESTED COUNT/DESC	
PERPETRATOR	
WEAPONS	Bomb

Explore our projects: [EMM NewsExplorer](#) | [MedISys](#) | [EMM Labs](#)

Events Detection

UPDATED EVERY 10 MINUTES, 24 HOURS PER DAY.



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- [24 Hours Overview](#)
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Three die as Egypt protests erupt

Articles: , Last update: , Start:
Event Type: **Disorder/Protest/Mutiny**. Severity: 3 killed injured and kidnapped. Victims were **Three** killed and injured. Perpetrators were and the weapons used were .
Place: **Cairo**. [i](#)

Three die as Egypt protests erupt

Wednesday, January 26, 2011 6:30:00 AM CET | [info](#)

Egyptian police fired tear gas and rubber bullets and beat protesters to clear thousands of people from a central Cairo square after the biggest demonstrations in years against President Hosni Mubarak's authoritarian rule....

[More articles...](#)

Five dead as blast rips through bus

Articles: , Last update: , Start:
Event Type: **Bombing**. Severity: 5 killed 13 injured and kidnapped. Victims were **Five** killed and 13 injured. Perpetrators were and the weapons used were .
Place: **Manila**. [i](#)

Five dead as blast rips through bus

Wednesday, January 26, 2011 6:30:00 AM CET | [info](#)

The death toll from a bus bombing in the Philippine capital has risen to five with 13 wounded as authorities suspect terrorists are to blame and step up security....

[More articles...](#)

Hamas takes back authorization for Abbas, PLO to negotiate with Israel

Articles: , Last update: , Start:
Event Type: **Other**. Severity: killed injured and kidnapped. Victims were killed and injured. Perpetrators were and the weapons used were .
Place: **Jerusalem**. [i](#)

Hamas takes back authorization for Abbas, PLO to negotiate with Israel

Wednesday, January 26, 2011 6:30:00 AM CET | [info](#)

Hamas movement on Tuesday withdrew its authorization for Palestinian President Mahmoud Abbas and Palestine Liberation Organization (PLO) to negotiate with Israel on behalf of the Palestinians. "The authorization that Abbas got in the National Agreement Document is no longer existed and we will not....."

[More articles...](#)

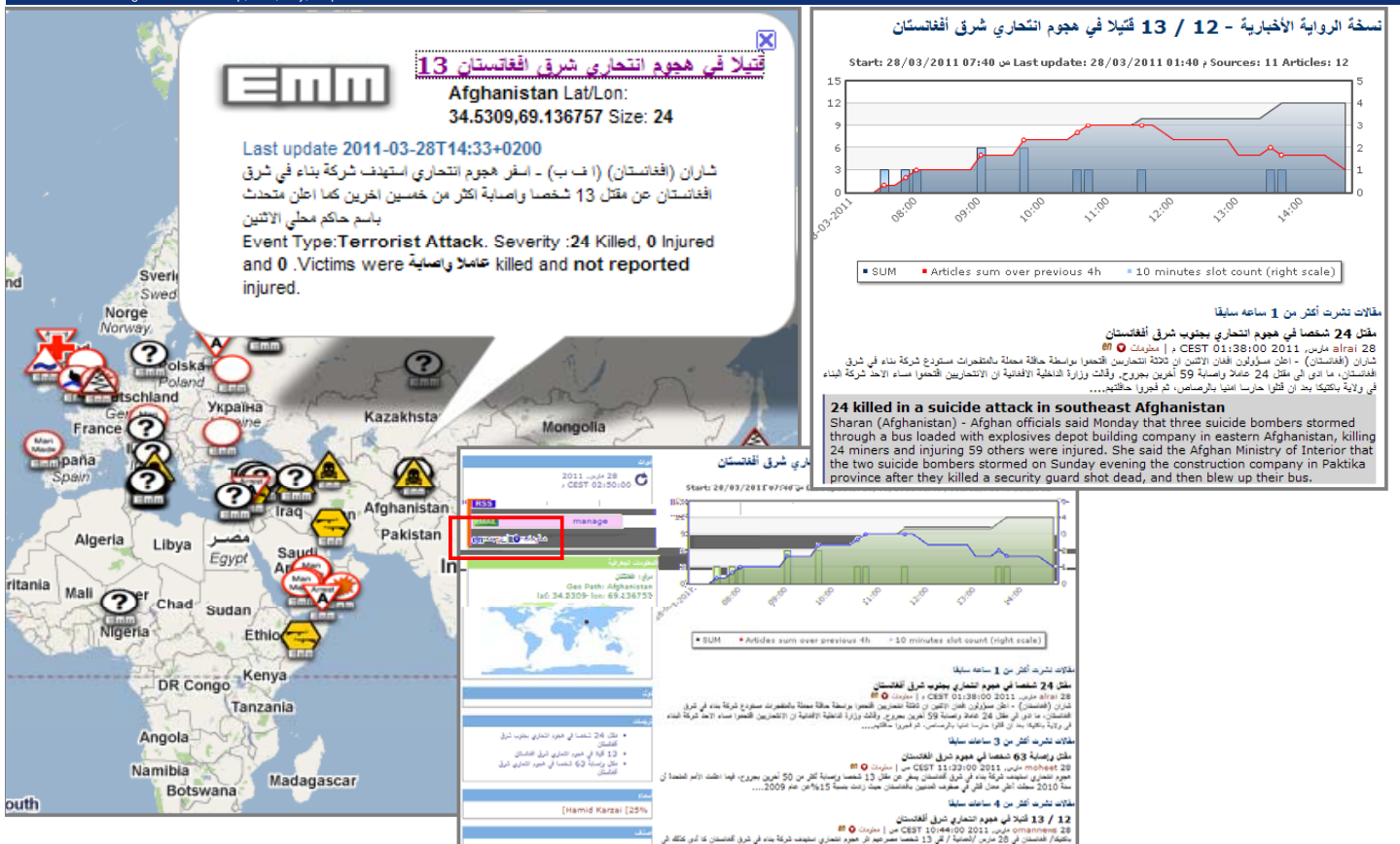
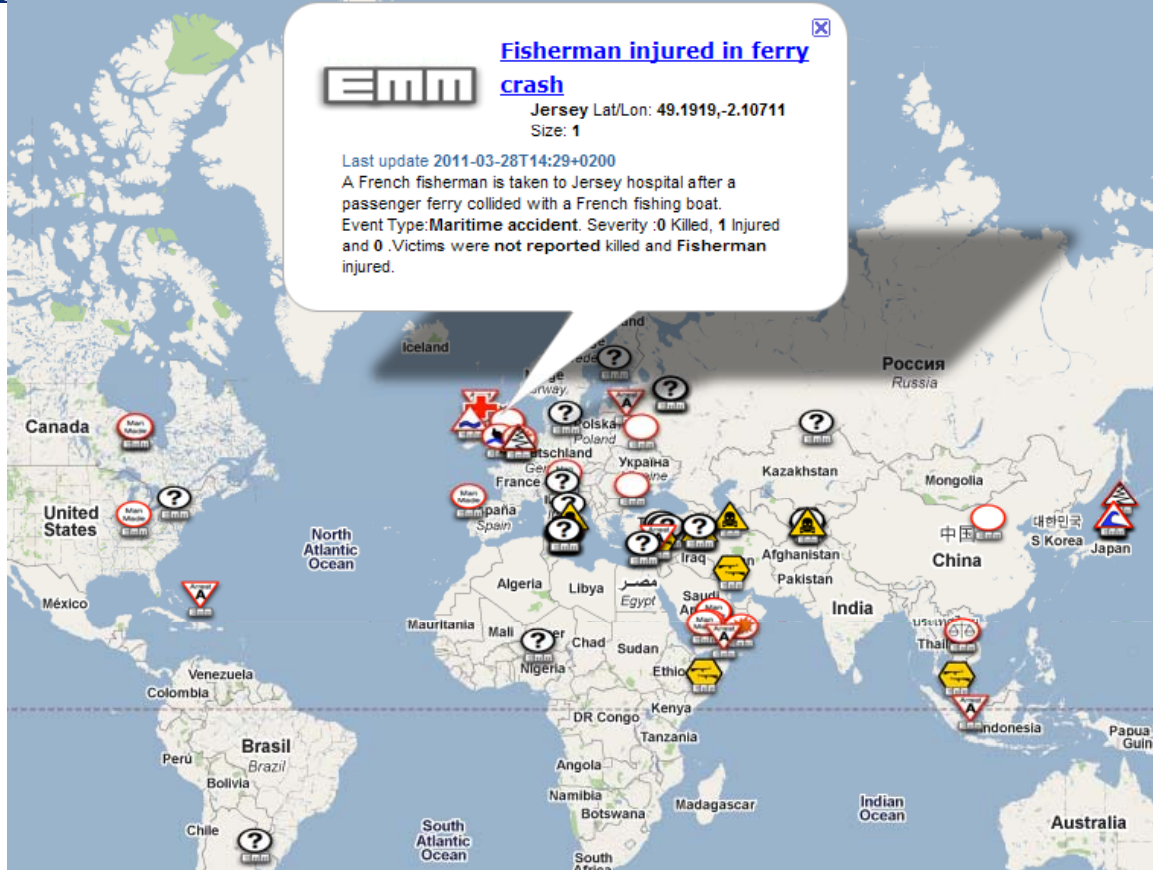
Hawker suspect publishes memoir

Articles: , Last update: , Start:
Event Type: **Arrest**. Severity: 1 killed injured and kidnapped. Victims were **British woman** killed and injured. Perpetrators were and the weapons used were .

Hawker suspect publishes memoir

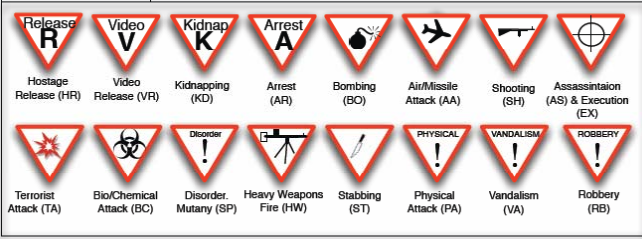
Wednesday, January 26, 2011 6:30:00 AM CET | [info](#)



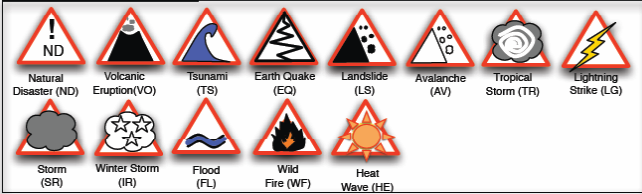


NEXUS Crisis Events

Violent Crisis Event Types



Natural Disaster Crisis Event Types



Man Made Disaster Crisis Event Types



Other Crisis Event Types



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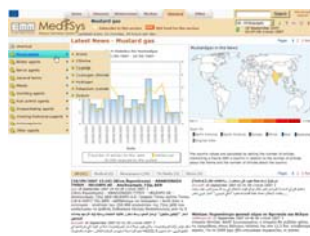
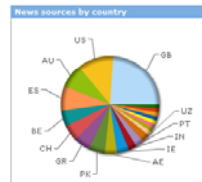
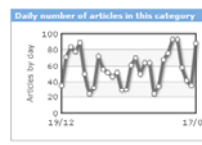
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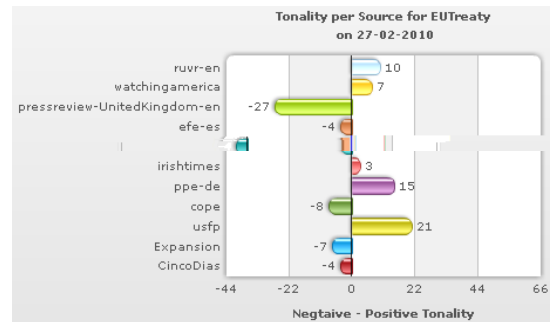
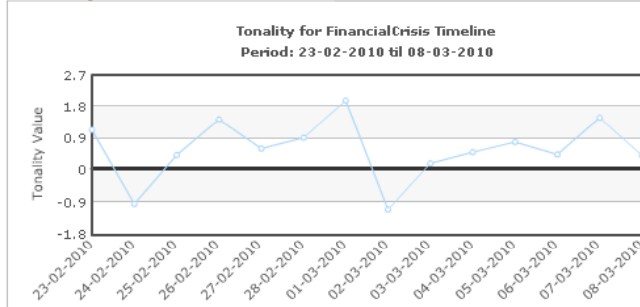
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Gas drilling done 'by the book'
 bbc Monday, January 17, 2011 4:02:00 PM CET | info
 A firm which is drilling for shale gas in Lancashire seeks to reassure residents and environmentalists that it is safe...



- E.g. Detect opinions on
 - European Constitution; EU press releases;
 - Entities (persons, organisations, EU programmes and initiatives);
- Detect and display **opinion differences** across sources and across countries;
- Follow trends over time.

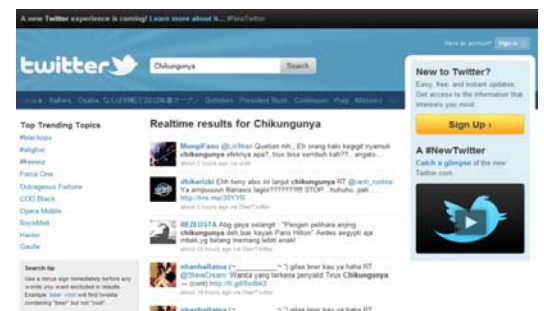
Tonality Timeline



- **Facebook:**
Keyword searches on publicly available posts
e.g. search for *Chikungunya* on openbook.org
extract publicly available friend networks.



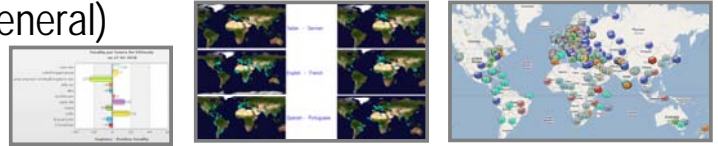
- **Twitter:**
Keyword searches on publicly available tweets
e.g. search for *Chikungunya* on twitter.com



- **Blogs**



- News content (and internet content in general) is complementary across languages.



- EMM gathers and processes multilingual news, etc.

- Multilingual category definitions and alerts → alert and produce statistics



- Linking of related news across languages

Libyan rebels continue westward push [67] de es fr it nl ar bg da et fa no pl pt ro ru sl sv sw tr

- Multilingual information gathering on named entities



- Multilingual event scenario template filling

TYPE	Bombing
PLACE	Charsadda, Pakistan
TIME	Tuesday, November 10, 2009
DEAD COUNT	10
DEAD DESCRIPTION	people
WOUNDED COUNT/DESC	
DISPLACED COUNT/DESC	
HOMELESS COUNT/DESC	
ARRESTED COUNT/DESC	
PERPETRATOR	
WEAPONS	Bomb

