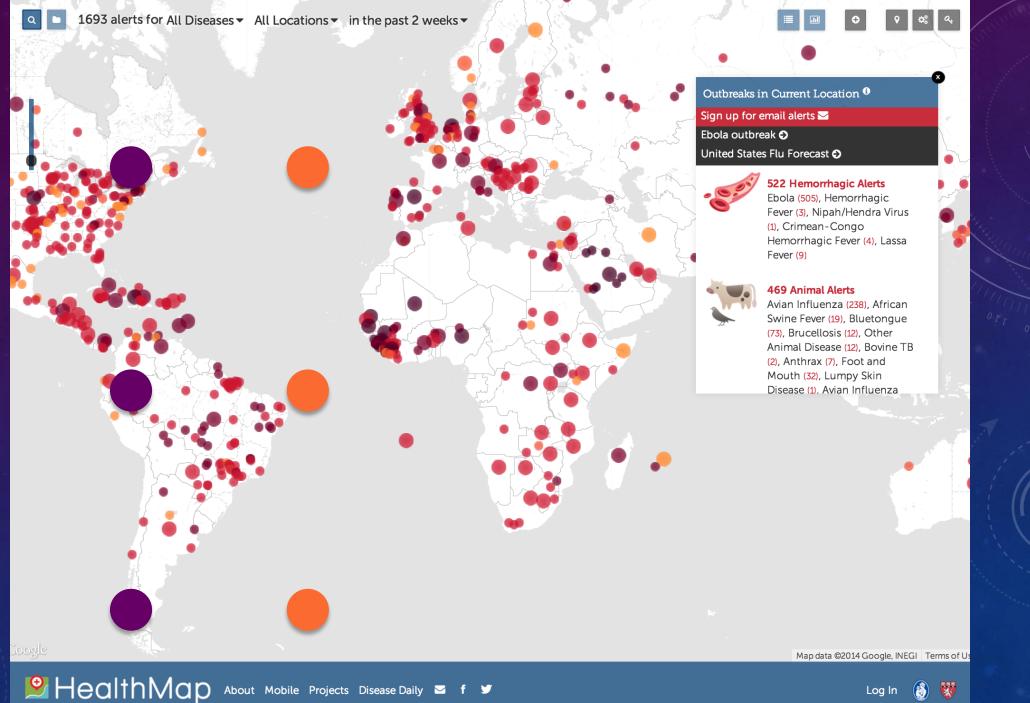


DATA FLOW













Wednesday, Sep. 09, 2009

Is a Swine Flu Outbreak Coming? Ask Your iPhone

By Bryan Walsh



The NEW ENGLAND JOURNAL of MEDICINE

plos.org

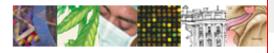
15,955

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ARTICLES & MULTIMEDIA *

: PLOS MEDICINE

For Authors



Perspective

Digital Disease Detection Health Surveillance

John S. Brownstein, Ph.D., Clark C. Freifeld, B.S N Engl J Med 2009; 360:2153-2157 May 21, 20

COPEN ACCESS

HEALTH IN ACTION

Surveillance Sans Frontières: Internet-Based Emerging Infectious Disc Intelligence and the HealthMap Project

John S Brownstein ☑, Clark C Freifeld, Ben Y Reis, Kenneth D Mandl

Published: July 08, 2008 • DOI: 10.1371/journal.pmed.0050151

150+ peer-reviewed scientific publications

nature.

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Emerging fungal threats to animal, plant an ecosystem health

Matthew C. Fisher, Daniel. A. Henk, Cheryl J. Briggs, John S. Brownstein, Lawre Madoff, Sarah L. McCraw & Sarah J. Gurr

Pediatrics. 2013 Jul;132(1):18-27. doi: 10.1542/peds.2012-2978. Epub 2013 Jun 3.

Adult prescription drug use and pediatric medication exposures and poisonings.

Burghardt LC, Ayers JW, Brownstein JS, Bronstein AC, Ewald MB, Bourgeois F

Author information

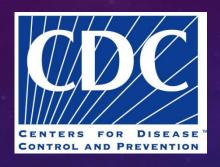


METHODS: We measured monthly pediatric exposures and poisonings using the National Poison Data System and prescriptions written for adults using the National Ambulatory Medical Care Surveys for 2000 through 2009. Associations between adult prescriptions for oral hypoglycemics, antihyperlipidemics, 8-blockers, and opioids and exposures and poisonings among children 0 to 5, 6 to 12, and 13 to 19 years were analyzed by using multiple time-series analysis. Emergency department visits, serious injuries, and hospitalizations stemming from these associations were described.

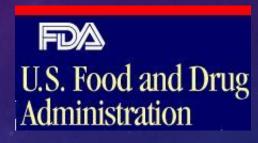
RESULTS: Adult medication prescriptions were statistically significantly associated with exposures and poisonings in children of all ages, with the strongest association observed for opioids. Across medications, the greatest risk was among children 0 to 5 years old, followed by 13- to 19-year-olds. Rates of emergency department visits were highest for events related to hypoglycemics (60.1%) and β-blockers (59.7%), whereas serious injuries and hospitalizations occurred most frequently with opioids (26.8% and 35.2%, respectively) and hypoglycemics (19.5% and 49.4%,

CONCLUSIONS: Increasing adult drug prescriptions are strongly associated with rising pediatric exposures and poisonings, particularly for opioids and among children 0 to 5 years old. These associations have sizable impacts, including high rates of serious injury and health care use.

HEALTHMAP IS NOW A GOLD STANDARD FOR DIGITAL DISEASE DETECTION

















INTERNATIONAL HEALTH REGULATIONS (IHR)

- from policy to people's health security

What are the IHR?

The IHR are legally binding and help countries work together to protect lives threatened by the spread of diseases and other health risks, including radiation and chemical hazards



5 reasons why the IHR matter



HEALTH THREATS HAVE NO BORDERS

The IHR strengthen countries' abilities to control diseases that cross borders at ports, airports and ground crossings



TRAVEL AND TRADE ARE MADE SAFER

The IHR promote trade and tourism in countries and prevent economic damage



GLOBAL HEALTH SECURITY IS ENHANCED

The IHR establish an early warning system not only for diseases but for anything that threatens human health and livelihoods



DAILY THREATS ARE KEPT UNDER CONTROL

The IHR guide countries to detect, assess and respond to threats and inform other countries quickly



ALL SECTORS BENEFIT

The IHR prepare all sectors for potential emergencies through coordination and information sharing



Until all sectors are on board with the IHR, no country is ready

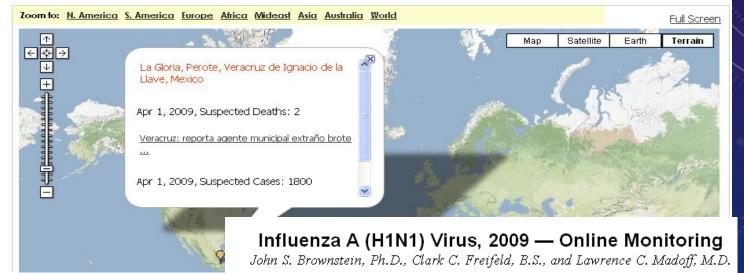
H1N1 2009





Influenza A (H1N1) Reports





OLaJornada

Portada Edición impresa Especiales Multimedia Servicios Escríbanos

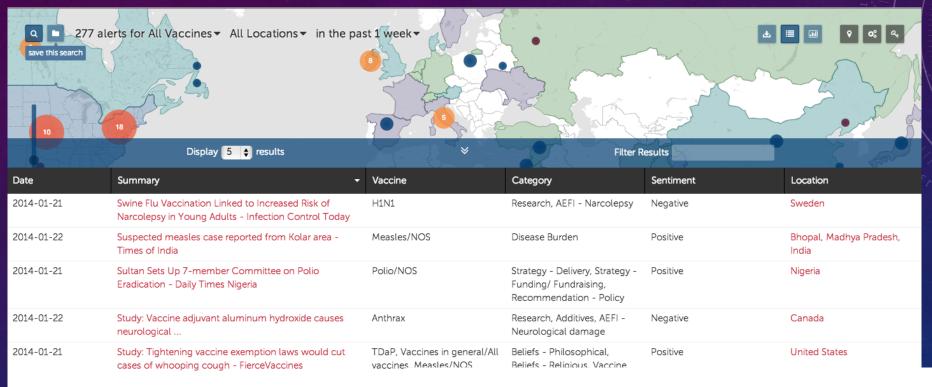
Usted está aquí: Portada → 2009 → 04 → 01 → Veracruz: reporta agente municipal extraño brote epidémico que ha cobrado dos vidas

Veracruz: reporta agente municipal extraño brote epidémico que ha cobrado dos vidas

■ Enviar esta página a alguien
ಈ Imprimir esta página

La funcionaria de La Gloria informó que el raro padecimiento ha afectado a 60 por ciento de sus tres mil habitantes con infecciones respiratorias.

MONITORING POLIO VACCINE SENTIMENT



Showing 46 to 50 of 277 results

THE LANCET Infectious Diseases



The Lancet Infectious Diseases, Early Online Publication, 13 May 2013 doi:10.1016/S1473-3099(13)70108-7 ? Cite or Link Using DOI

This article can be found in the following collections: Public Health; Infectious Diseases (Immunisation & vaccination)

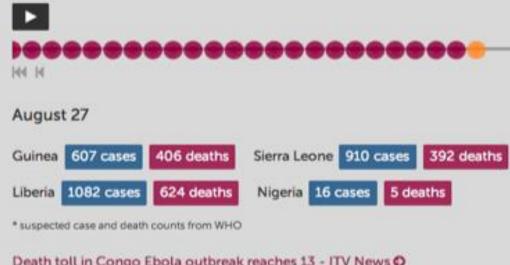
Measuring vaccine confidence: analysis of data obtained by a media surveillance system used to analyse public concerns about vaccines

Dr <u>Heidi J Larson</u> PhD ^a otin <u>Melissa Cumming</u> MS ^c, <u>Elisabeth Eckersberger</u> MPA ^a, <u>Clark C Freifeld</u> MS ^d ^c, <u>Isaac Ghinai</u> BSc ^a, <u>Caitlin Jarrett</u> MPH ^a, <u>Louisa Paushter</u> MPH ^c, <u>John S Brownstein</u> PhD ^d ^f, Prof <u>Lawrence C Madoff</u> MD ^c ^g



EBOLA 2014





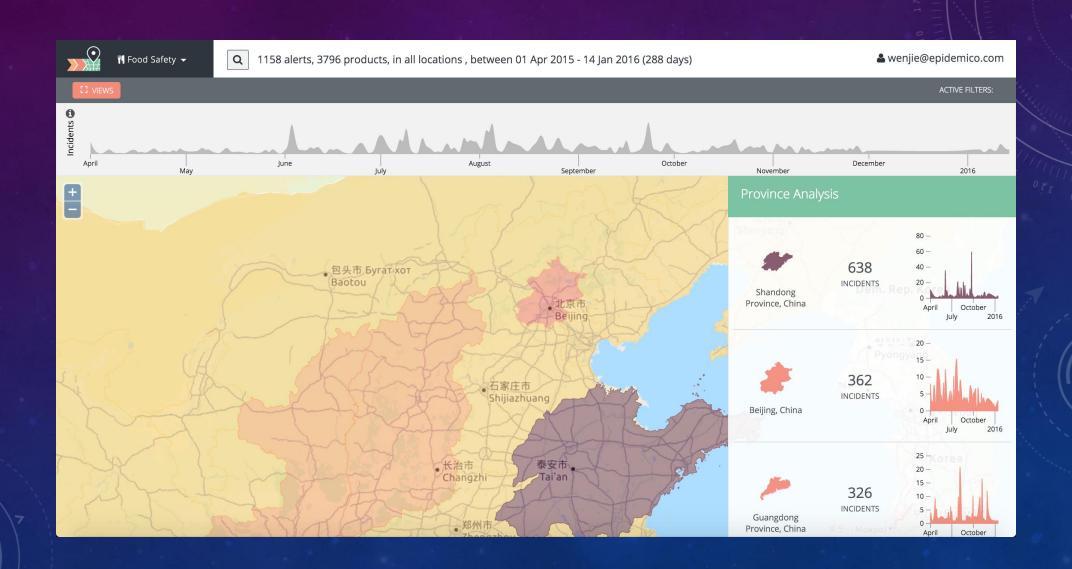


Death toll in Congo Ebola outbreak reaches 13 - ITV News 0

"A total of 13 people, including five health workers, have now died from Ebola in the Democratic Republic of

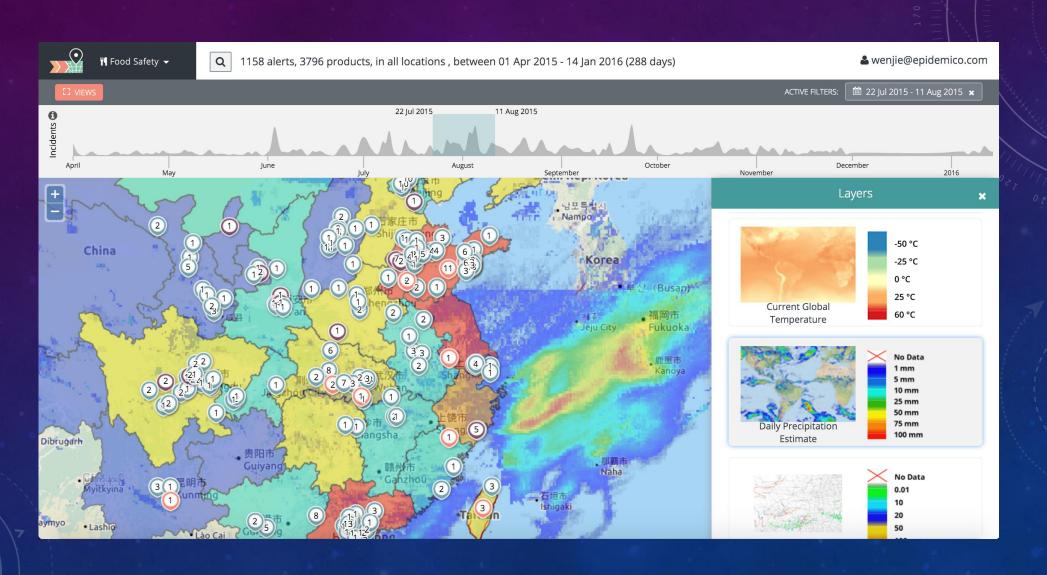
2014 Ebola Outbreak ■ ovince of Equateur, where a high number of suspected cases has

Supply Chain Map



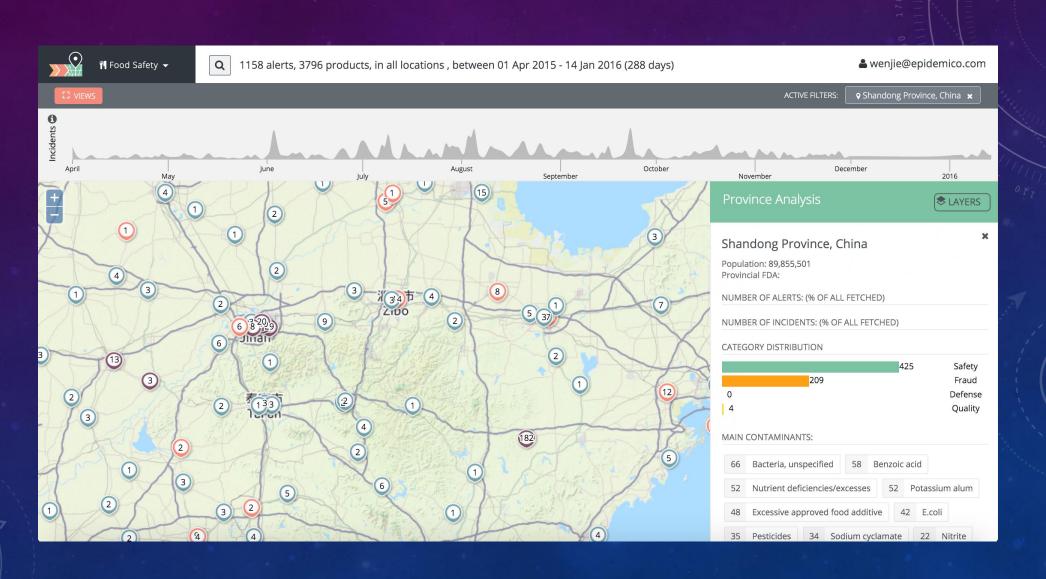


GEOSPATIAL LAYERS





PIN MAP AND PROVINCE ANALYSIS





1 POVERTY

2 ZERO HUNGER



3 GOOD HEALTH AND WELL-BEING



4 QUALITY EDUCATION



5 GENDER EQUALITY



6 CLEAN WATER AND SANITATION



7 AFFORDABLE AND CLEAN ENERGY



17 PARTNERSHIPS FOR THE GOALS



SUSTAINABLE GALS

8 DECENT WORK AND ECONOMIC GROWTH



16 PEACE, JUSTICE AND STRONG INSTITUTIONS



15 LIFE ON LAND



14 LIFE BELOW WATER



13 CLIMATE ACTION



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



11 SUSTAINABLE CITIES AND COMMUNITIES



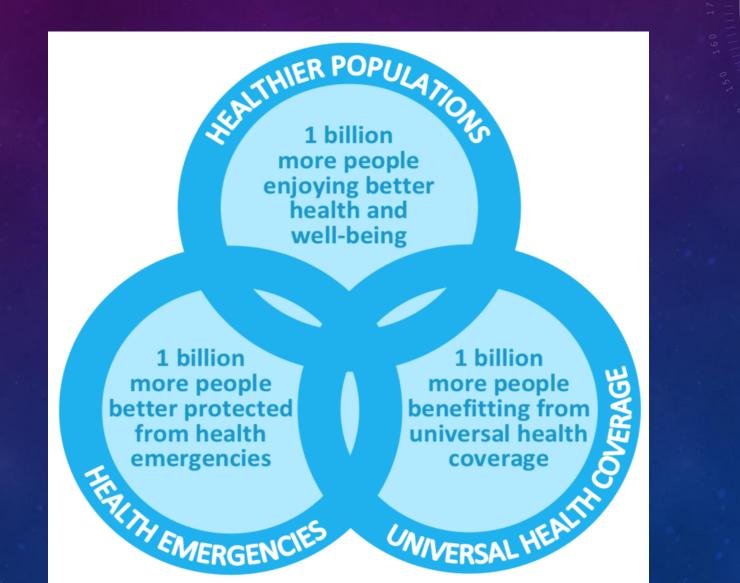
10 REDUCED INEQUALITIES



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



WHO: TRIPLE BILLION STRATEGIC PRIORITIES, 2019-2023



Expert Focus Group - Space & Global Health





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Objectives and Structure

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Open Community Approach

Recommendations (Topics)

Events - Meetings

Video Presentations

Get Involved...

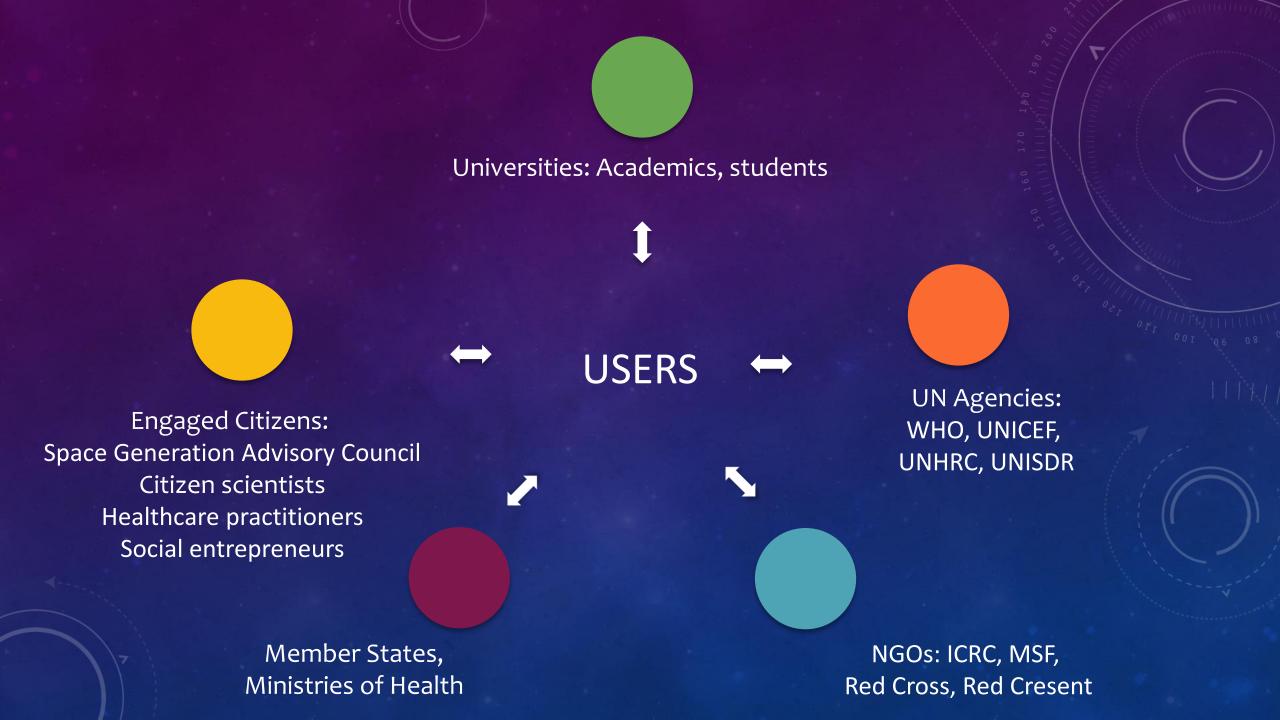
FAQ & Feedback Summary

One Health & Space

Based on the AT6 & AT6FUI background the initiative has >>One Health Risk Mitigation as objective with application of the Open Community Approach.

Explore EFG-SGH

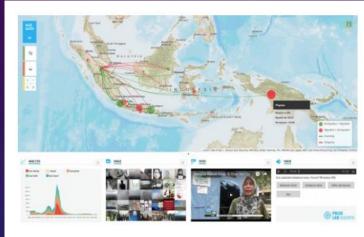




Objectives:

- Learning and iteration
- Capacity building
- Evidence generation
- Knowledge sharing
- Partnership building
- Multi-sectoral collaboration

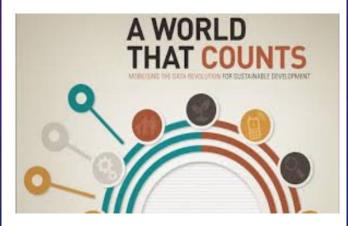
Outputs:



Data Innovation Project and Tool Briefs

Learn about the projects and tools completed or ongoing with partners.

Case studies, Open Educational Resources (OERs), Open Source Software



Reports

UN Global Pulse produces a number of reports on big data and innovation projects every year

Official UN and government Reports & Policies



Scientific and Technical Publications

A compendium of scientific publications authored and co-authored

Open-Access peer-reviewed & technical publications

LIVING LABS



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UNTIL Lab Locations



The global UNTIL network is currently planning to start multiple collaborative projects to help the member UN mandate areas in development, human rights, and peace and security. The first UNTIL lab is located in

UNTIL Finland | Espoo



UNLEASH - A global innovation lab for the SDGs

UNLEASH is a global innovation lab, which gathers 1,000 talent annually to collaborate on solutions to meet the United Nations Sustainable Development Goals. UNLEASH has taken place in both Denmark and in Singapore and will travel to a new destination every year.

Learn more about UNLEASH 2018

Technology Stack:

- Blends web-based and crowd-sourced open data
- Integrates geospatial, environmental, epidemiological, financial, health, and nutrition data
- Low-cost, easily adaptable to local and regional requirements
- Country-specific, privacy-protected data under full technology control
 of Member States

SITUATIONAL DATA:

Space technology data

TRANSPORTATION SOCIO-DEMO **CLIMATE CENSUS STRUCTURES GEO**

INDIVIDUAL DATA:

Anonymized, aggregated health data

IoT

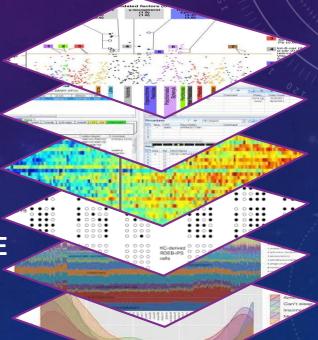
EMR

GENOME

EPIGENOMIC

MICROBIOME

INSURANCE



OPEN SOURCE INFRASTRUCTURE

Open Source Disaster Management Software



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Open Source Disaster Management Software

Making high quality information management systems for emergency preparedness, response, recovery and resilience-building accessible to all.

Open Geo Data

Read more



Wed, 30 Jan 2019

Antarctica Losing Six Times More

Loss of Intertidal Ecosystem I

The study used machine-learning to

Communities

Humanitarian Crowd-Sourcing Tools

Nantes





Луцьк

Чернівці

Львів

Житомир

Вінниця

Moldova

область

Полтав

Україна

Кривий Ріго

Київ

Putting the World's Vulnerable People on the Map

Each year, disasters around the world kill nearly 100,000 and affect or displace 200 million people. Many of the places where these disasters occur are literally 'missing' from any map and first responders lack the information to make valuable decisions regarding relief efforts. Missing Maps is an open, collaborative project in which you can help to map areas where humanitarian organisations are trying to meet the needs of vulnerable people.

Kraków

Magyarország

Slovensko

Wrocław

Wien

Dresden

Česko

Österreich

Erfurt

Nürnberg

München

Bayern

Frankfurt

am Main

Baden-

Württembera

Schweiz/

Flexible information systems



healthsites.io <



223277 healthsites added

edit the map

how it works

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District Health Information System 2 (DHIS2)

<u>District Health Information Software 2 (DHIS2)</u> is a free and open source health management data platform used by multiple organizations, including the <u>European Union (EU)</u>, and governments worldwide. A total of 54 countries are deploying DHIS2 on a national scale, 30 of which are in the pilot stage or early phase in their rollouts. Since DHIS2's release in 2006, NGOs and national governments in 60 countries have deployed DHIS2 for health-related projects, including patient health monitoring, improving disease surveillance and pinpointing outbreaks, and speeding up health data access.

DHIS2 is an open source software platform developed by the Health Information Systems Program (HISP) and supported by the University of Oslo's Department of Informatics. Although HISP initially focused on grassroots health committees and Community Information Systems in South African health districts, DHIS was quickly adopted for national implementation by South Africa and other African countries as was the web-based version, DHIS2, after its development in 2005-2006.

DHIS2 is used to aggregate statistical data collection, validation, analysis, management, and presentation. This <u>data analytics and management platform</u> is completely web-based and boasts great visualization features and the ability to create analysis from live



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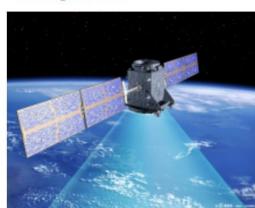
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How can space technology be applied in disaster and risk management?



Where can Laccess satellite data, products and other resources?



Who are the users of space technology in disaster and risk management?



Which services can UN-SPIDER offer to Member States?



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UNITED NATIONS GLOBAL PULSE

Harnessing big data for development and humanitarian action

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2017 ANNUAL REPORT -UN GLOBAL PULSE

The 2017 Annual Report details exciting new explorations of big data and A.I. to advance the 2030 Agenda.

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HIGHLIGHTS FROM THE LABS

and CSMI

THE DATA FOR CLIMATE

Global Pulse, Westorn Stellal and the SAot' Clobal Theoris

and took 450 teams of data scientists from 6T countries 6 winning projects

THE STATE OF MOBILE

A poblication by Global Flotae Pictor Lab Johans

dentifies over 200 projects or studies leveraging mobile data for the SDGs

platform to monitor action before, during and after

CYCLOMON

DATA SCIENCE AFRICA

A workshop with TM continues from \$1) organizations

Participation in 100 + conferences wents and workshop

Pulse Labs reached **15.000 followers** on social media

STUDY RESCUE PATTERNS | DATA FOR SOGS: DATA PRIVACY

A project published in the Fatal Journeys Volume 3, an IOM annual global roport

Adopted by the United Nations Severapment Group

> First policy guidance on big data and priving endorsed to over 30 UN agencies



17 academic papers

produced by the Pulse Labor

Pulse Lab Kampala

33 presentations and panel

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