Global Wildlife Disease News Map

Putting wildlife health news on the map!

Megan K. Hines

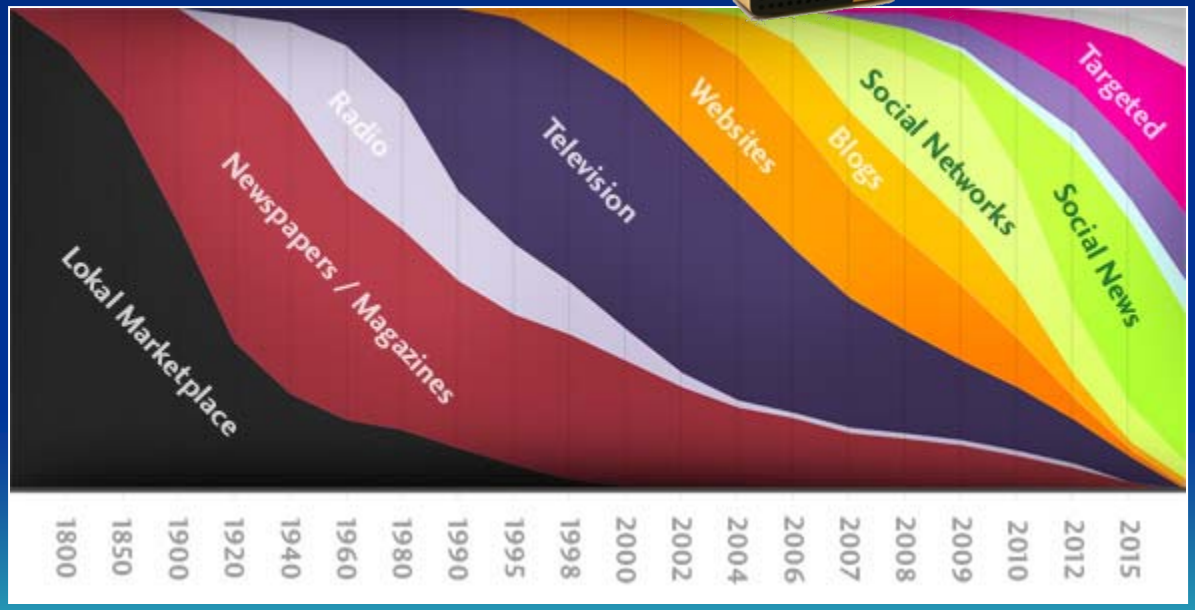
National Biological Information Infrastructure

Wildlife Disease Information Node

USGS
National Wildlife Health Center

University of Wisconsin - Madison
Nelson Institute for Environmental Studies

Problem



Thomas Baekdal: http://www.baekdal.com/articles/management/market-of-information/

Aggregate information source feeds

…

Science Daily

Scientific American

Specific Google Alerts

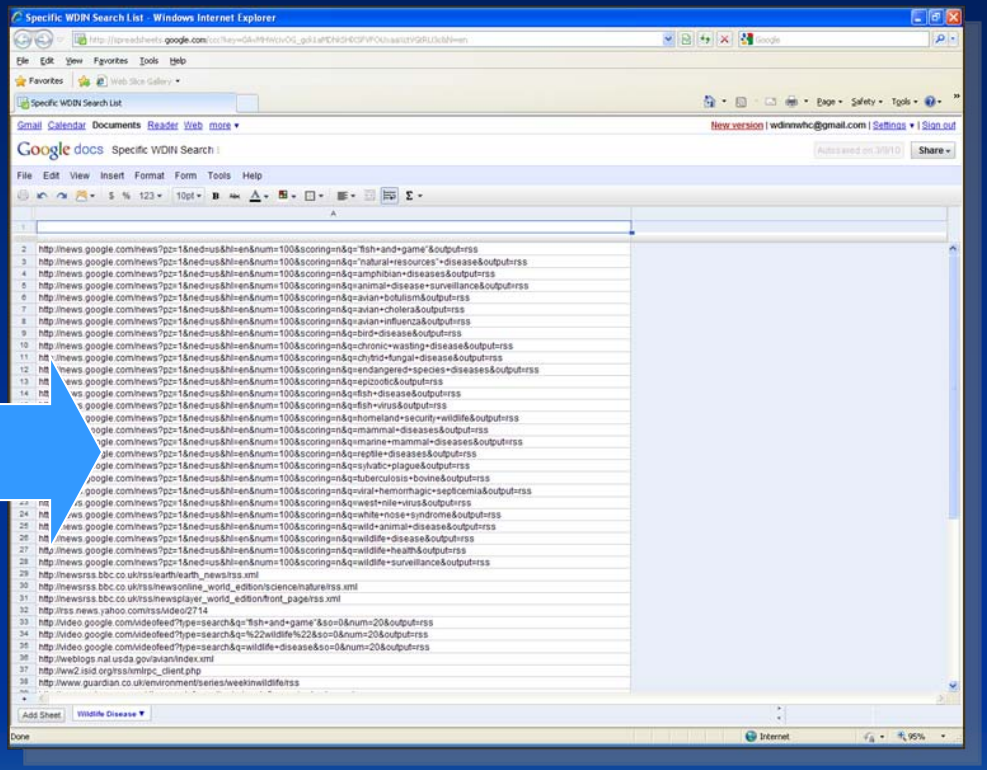
EurekAlerts

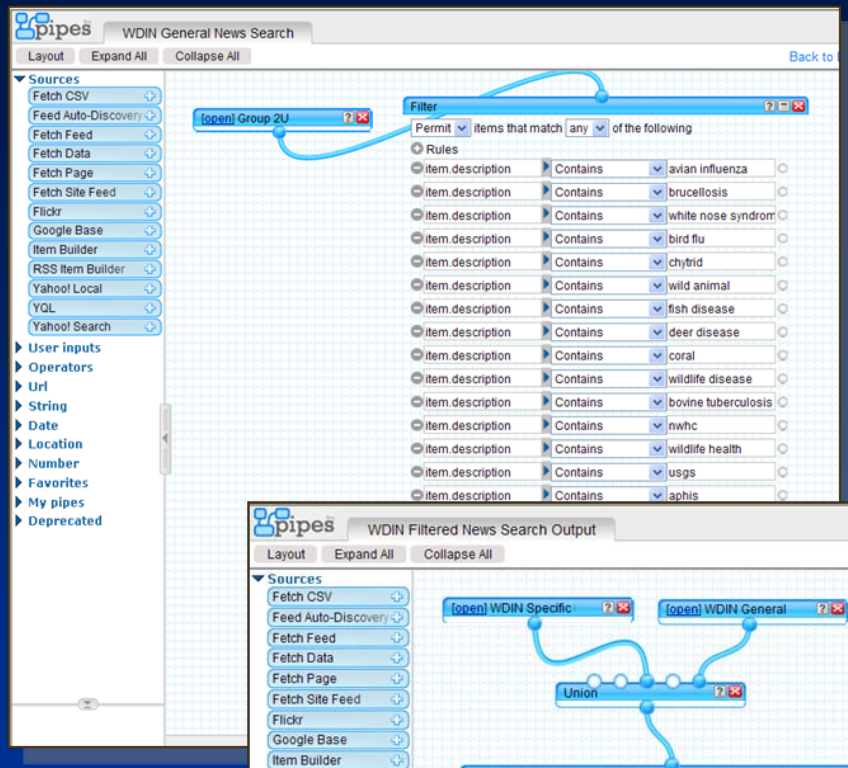
Nature

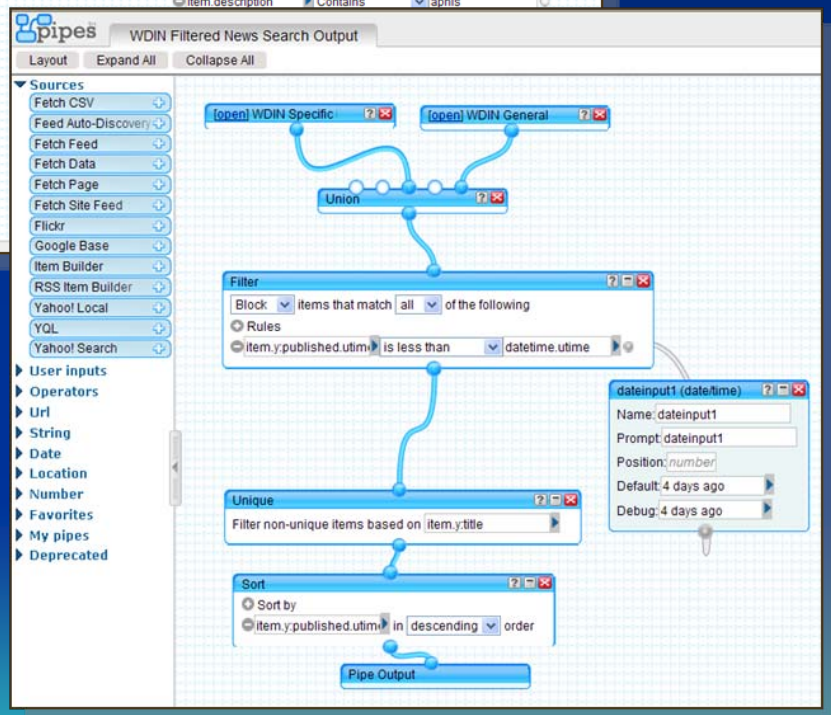
NPR

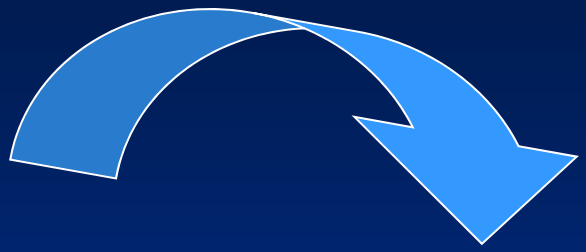
The Guardian

…









Filter by keyword,
Remove duplicates

~1200 items filtered to ~300

News selection policy

Wildlife Disease News Digest

The NBII Wildlife Disease Information Node develops tools and services that help members of the wildlife health community, and others interested in wildlife health issues, manage the influx of wildlife disease information. The Wildlife Disease News Digest is one of those services, filtering authoritative news sources to bring our readers a concise overview of the day's latest wildlife health developments.

Below is an outline of the selection criteria used to compile the Digest. We are not a political or advocacy organization, and as such we avoid content that lacks supportive facts or content that is designed to be inflammatory.

Selection Criteria for Content

Top News Stories Include:

- Wildlife disease/Wildlife health incidents
  - Wildlife management (control and prevention)
  - Surveillance
  - Disease detection and diagnosis
  - Use of technology to improve disease detection and management (GIS technology or data sharing information systems)
  - How wildlife diseases are integral to larger context
  - Mortality Events
- Zoonoses – the human health connection
- Connection between domestic animals and wildlife health
- Selected specific diseases – includes any relevant, newly emerging
- disease that becomes a significant concern
- Current wildlife disease research within community
- New facilities, organizations, funding dedicated to wildlife health research
- Events and meetings important to wildlife community – as a member of and forwarding this information to the digest
- Wildlife disease/health legislation
- Breeding programs to save species from extinction due to disease
- WDIN highlights
- Global warming in direct relation to wildlife disease
- Human activity in direct relation to wildlife health/disease
- Bushmeat and disease event/potential
- Invasive Species in direct relation to wildlife disease/trauma

Other Wildlife Health Related News Stories Include:

- Ecosystem health
- Bioterrorism
- Controversial content
- Ongoing coverage of disease issue including scientific/political dialog (not new incident)
- Global warming indirectly related to wildlife health
- Domestic animal disease that affects wildlife but main focus is on domestic stock
- Zoo animal disease
- Wildlife crime (poaching, illegal trade)
- Environmental threats to wildlife health
- Wildlife photos, video and audio (general)
- Legislation/funding that indirectly affects wildlife health
- Interesting articles of note about wildlife research or discoveries

Publication Articles

- Topically, similar criteria as the Top News Stories
- Scientific Research from peer-reviewed academic journals
- Newsletters/news bulletins/updates that discuss wildlife disease issues

News Map

- News Stories from above that meet the criteria of "wildlife health incident" – disease spread or detection (e.g. "Bird tests positive for West Nile virus in St. Clair County; first of this year")

Source Selection - Sources used include:

Primary Sources (preferred)

- Online News (professional sources)
- Academic (.edu)
- Government (.gov)
- Professional organizations (.org)
- Consortia/ Non-Profit

Secondary Sources(non-preferred)

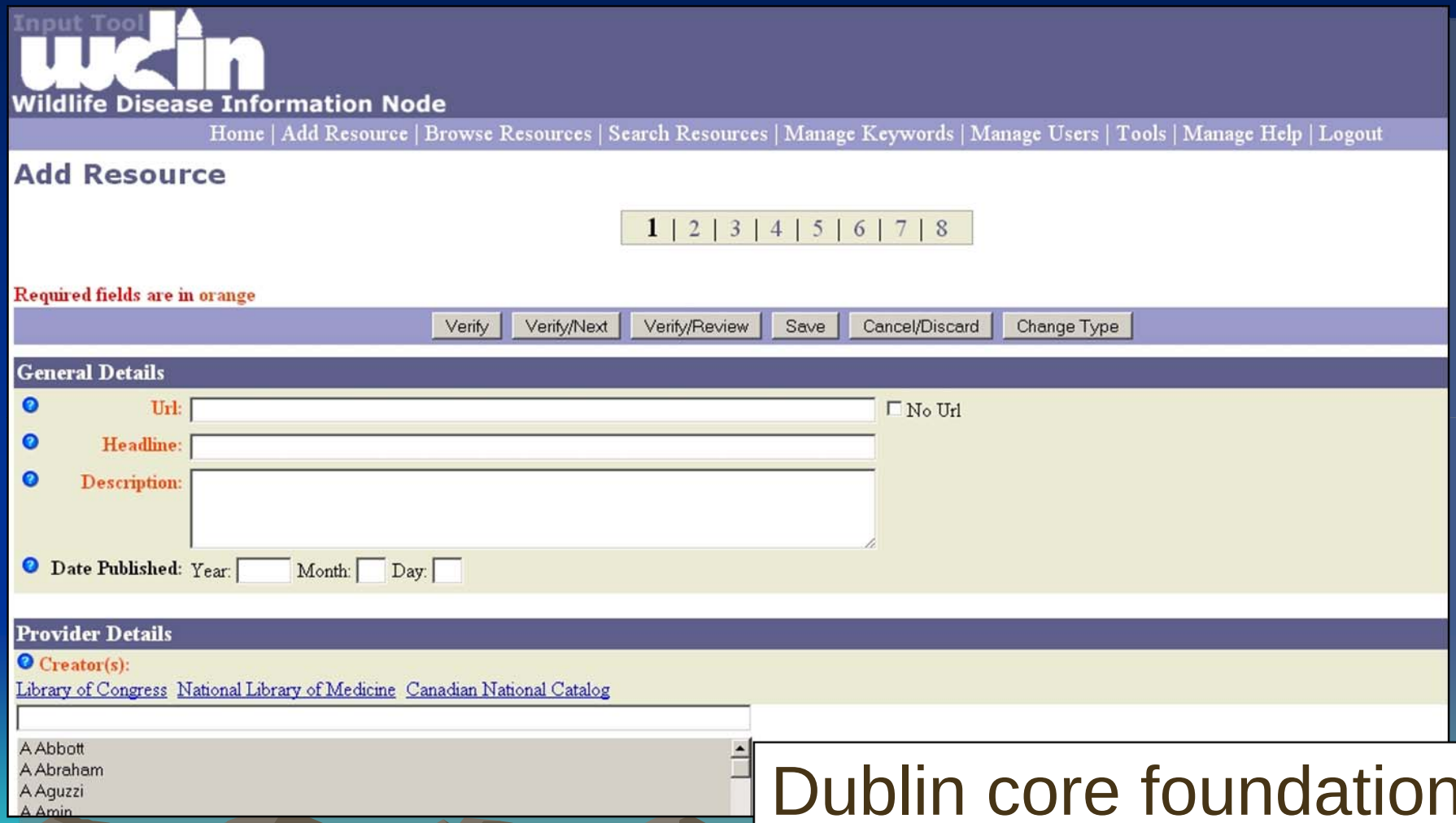
- Trade/Commercial
- Non-profit organizations with political agendas

Excluded Sources

- Editorial or Opinion pieces
- Advocacy publications

9/17/08

Catalog metadata



Dublin core foundation

Wildlife Disease News Digest

Wildlife Disease News and Information at your Fingertips. Brought to you by the NBII Wildlife Disease Information Node (WDIN)

APRIL 6, 2010

TOP STORIES

Rapid response team investigates coral disease outbreak in Kaneohe Bay

An outbreak of a disease called Montipora White Syndrome (MWS) was found in Kaneohe Bay, O'ahu within the last month prompting an interagency response team composed of scientists and students to document the extent, spread and potential causes of the disease.

Members of the investigative team included scientists from the University of Hawai'i at Mānoa's Hawai'i Institute of Marine Biology (HIMB), USGS National Wildlife Health Center and Bishop Museum.

Corals are the very foundation of our coral reef ecosystem and are under threat from overfishing, land-based pollution and emerging coral diseases.

University of Hawai'i at Mānoa - www.hawaii.edu/news

01 Apr 2010

Location: Kaneohe Bay, O'ahu, Hawaii, USA - Map It

>>>FULL ARTICLE

Wildlife Disease News

This news service focuses on wildlife diseases, and wildlife morbidity/mortality, especially as they relate to human and ecosystem health. We work to cover emerging infectious diseases, zoonoses, environmental toxins, population threats, unexplained incidents, die-offs and more.

Disclaimer
News Selection Policy
How to sign up for eAlerts

Global Wildlife Disease News Map

Map development

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```

```
524     // because the function closure trick doesnt work there
525     var idmarkers = [];
526     var gmarkers = [];
527     var htmls = [];
528     var i = 0;
529
530     // === Create an associative array of GIcons() ===
531
532     var gicons = [];
```

Active Server Pages script file | 33627 chars 35189 bytes 782 lines | Ln : 287 Col : 79 Sel : 0 (0 bytes) in 0 ranges | Dos\Windows | ANSI | INS

Global Wildlife Disease News Map version 2.0

View Disease News on Map | Browse Map Articles | About Map | Map Tips & Help

Map Filters

Icon Legend: Place || County || Administrative Unit || Country || Continent

- **Wildlife Topic**
  - All Wildlife Topics
  - Anthrax (1)
  - Avian Influenza (2)
  - Cancer (1)
  - Chronic Kidney Disease (1)
  - Chronic Wasting Disease (5)
  - Distemper (1)
  - Extreme Weather (2)
- **Human/Wildlife Topic**
- **Domestic/Wildlife Topic**
- **Disease Type**
- **Country**
- **Species**
- **Date**

Global Wildlife Disease News Map version 2.0

View Disease News on Map | Browse Map Articles | About Map | Map Tips & Help

Map Filters

Wildlife Topic

- Rabies (10)
- Toxins (1)
- Trauma (1)
- Trematodes (2)
- Tuberculosis (1)
- Unknown (9)
- West Nile Virus (1)
- White-nose syndrome (WNS) (6)

Human/Wildlife Topic

Domestic/Wildlife Topic

Disease Type

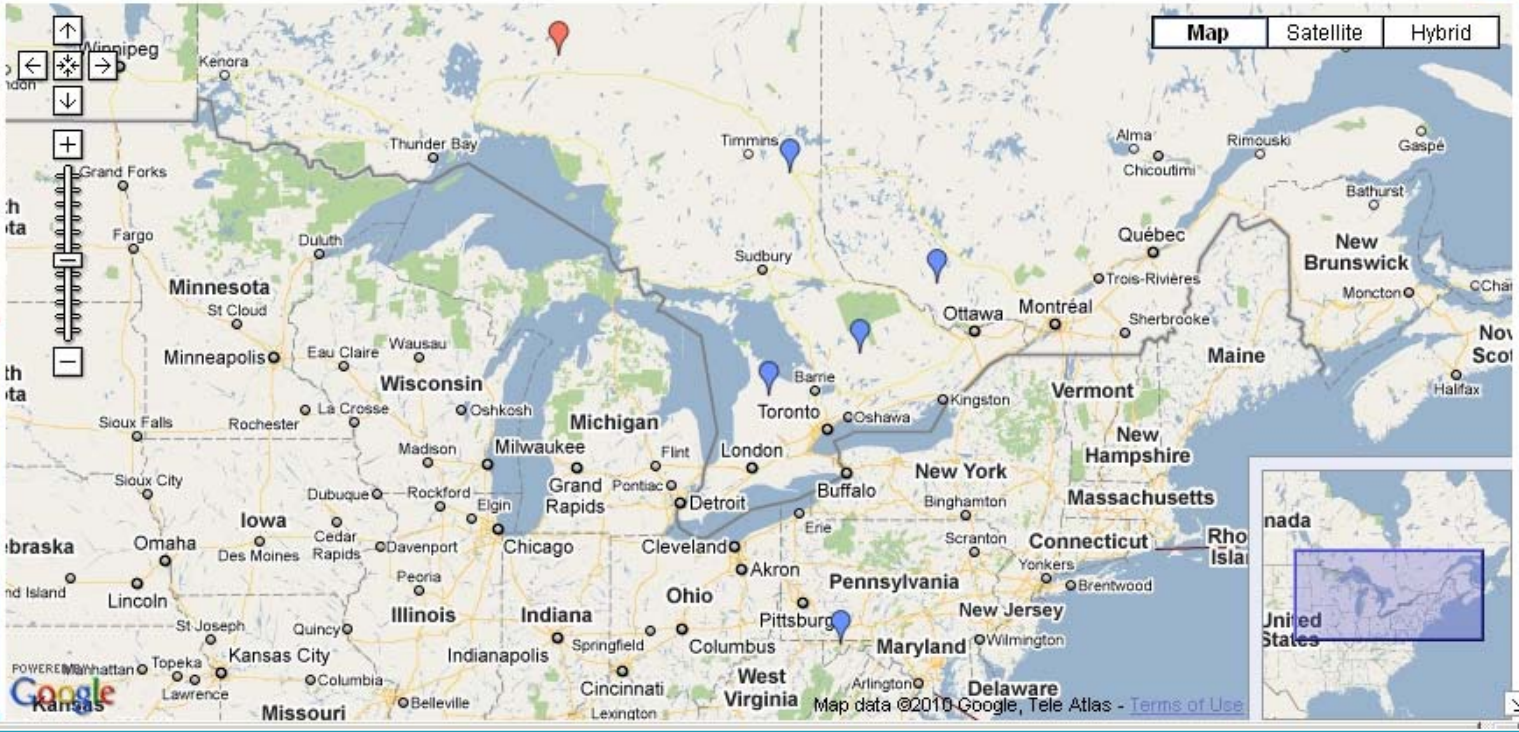
Country

Species

Date

- Last 45 Days
- Last 7 Days

Icon Legend: Place || County || Administrative Unit || Country || Continent



Global Wildlife
View Disease News on Ma
Map Filters
Wildlife Topic
Rabies (10)
Toxins (1)
Trauma
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White-nose syndrome (W
Human/Wildlife Topic
Domestic/Wildlife Topic
Disease Type
Country
Species
Date
Last 45 Days
Last 7 Days
Guided Search | Basic Search | Event Search | Search Tips
White-nose syndrome (WNS)
Search
Reset Search
Sort By:
Headline (A-Z)
Displaying 1 - 10 of 10 Matching Records
Bat Killer: White-Nose Syndrome [Video 8 min 41 sec] Show Full Record
SHARE
Source: Ravenswood Media, Vimeo - vimeo.com
Resource Type(s): Audio Visual Materials
Searchable Keywords: Bats Epidemiology Prevention & control White-nose syndrome
Abstract: Available through the Scientific American 60-Second Science web site, this video describes the infection known as white-nose syndrome, its impacts on infected bats and the measures taken for disease control and prevention. The video running time is 8 min and 41 sec.
Bat White-Nose Syndrome (WNS) Occurrence by County Map - Updated Jan 28, 2010 Show Full Record
SHARE
Source: U.S. Fish and Wildlife Service
Resource Type(s): Maps
Searchable Keywords: Disease distribution Epidemiology United States White-nose syndrome
Abstract: Displays the distribution of white-nose syndrome by county on a color coded map. The map differentiates between confirmed and likely cases and dates back to February 2006, when the first case was detected in Schohaire County, New York.
Bat White-Nose Syndrome: An Emerging Fungal Pathogen? Show Full Record
SHARE
Source: Science. 2009 Jan 9;323(5911):227. Epub 2008 Oct 30.
Resource Type(s): Journal (Articles)
Searchable Keywords: Bats Emerging infectious diseases Epidemiology Pathology White-nose syndrome
Abstract: From Abstract: "White-nose syndrome (WNS) is a condition associated with an unprecedented bat mortality event in the northeastern United States. Since the winter of 2006*2007, bat declines exceeding 75% have been observed at surveyed hibernacula. Affected bats often present with visually striking white fungal growth on their muzzles, ears, and/or wing membranes. Direct microscopy and culture analyses demonstrated that the skin of WNS-affected bats is colonized by a psychro-philic fungus that is ...
White-Nose Syndrome Overview Show Full Record
SHARE
Source: Fort Collins Science Center (U.S.)
Resource Type(s): Issue Overviews, Maps
Searchable Keywords: Emerging infectious diseases Etiology History United States White-nose syndrome
Lincoln
St Joseph
Quincy
Illinois
Indiana
Pittsburg
New Jersey
Kansas City
Indianapolis
Springfield
Columbus
Maryland
Wilmington
Topeka
Lawrence
Columbia
Cincinnati
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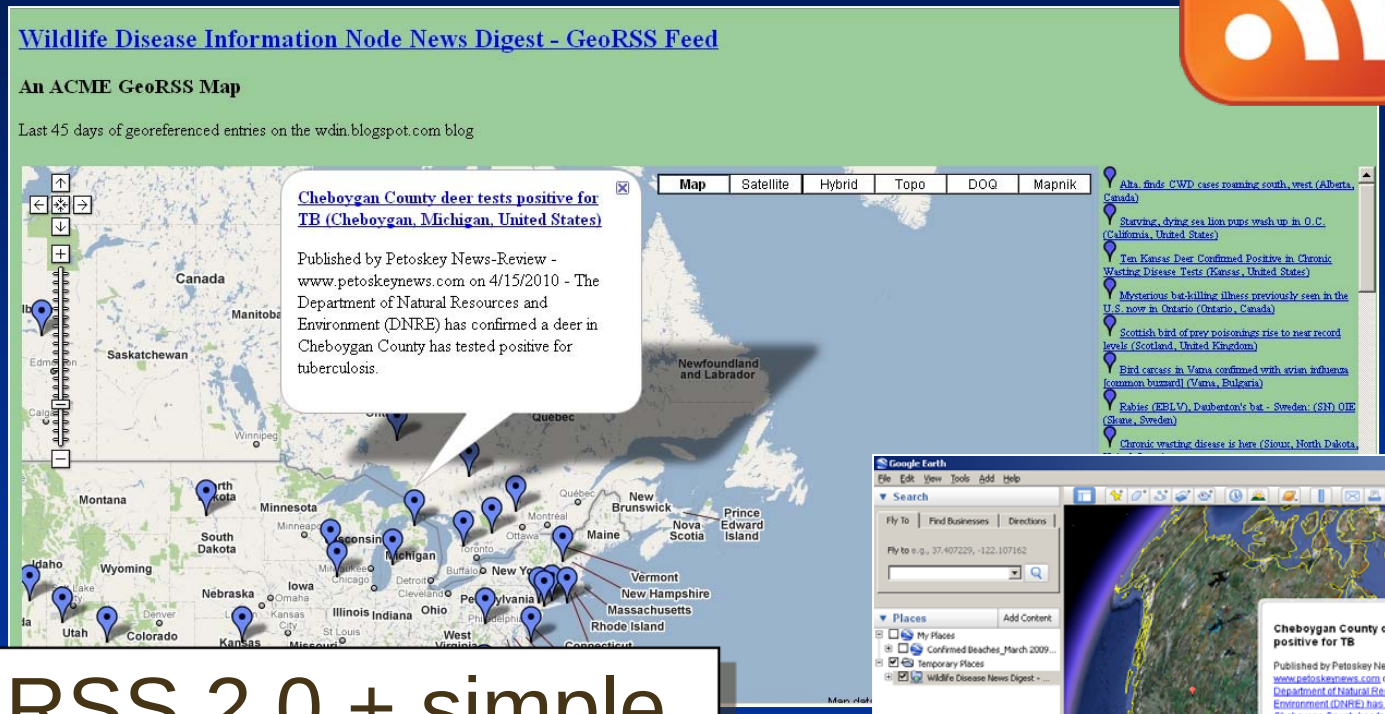
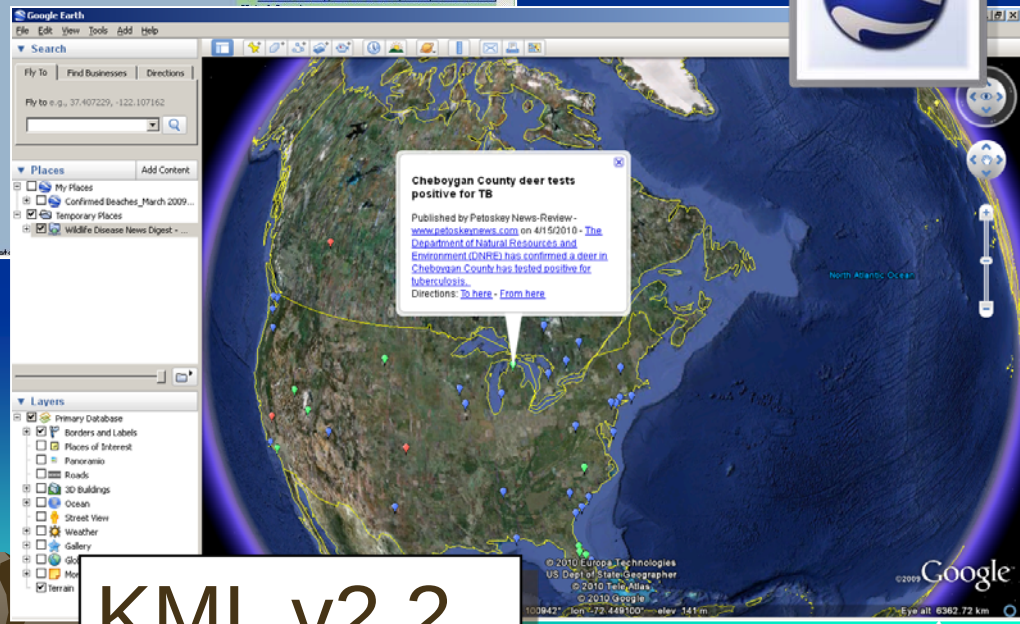
Map data ©2010 Google, Tele Atlas
United States
nbii
wdin

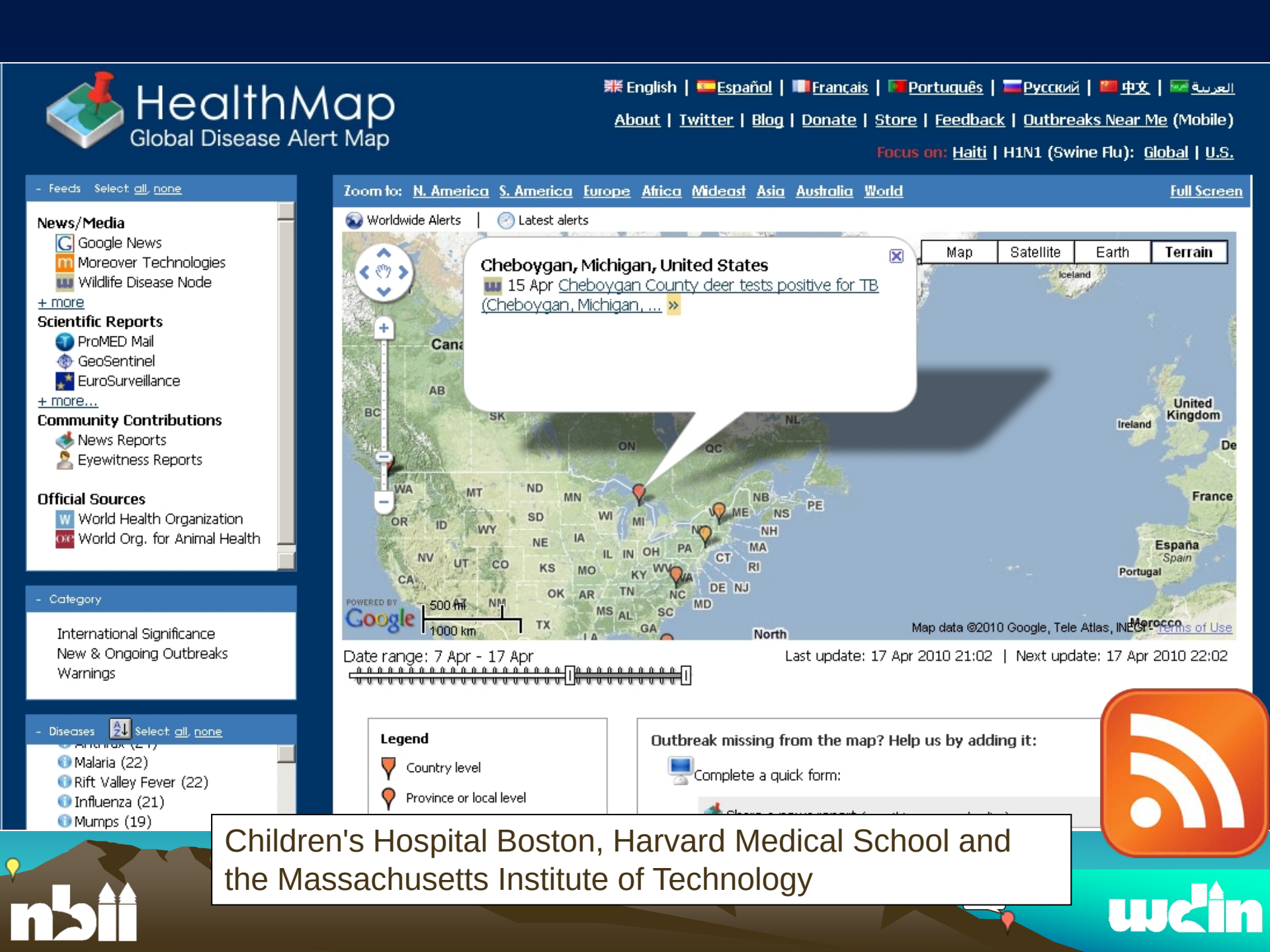
Portable content



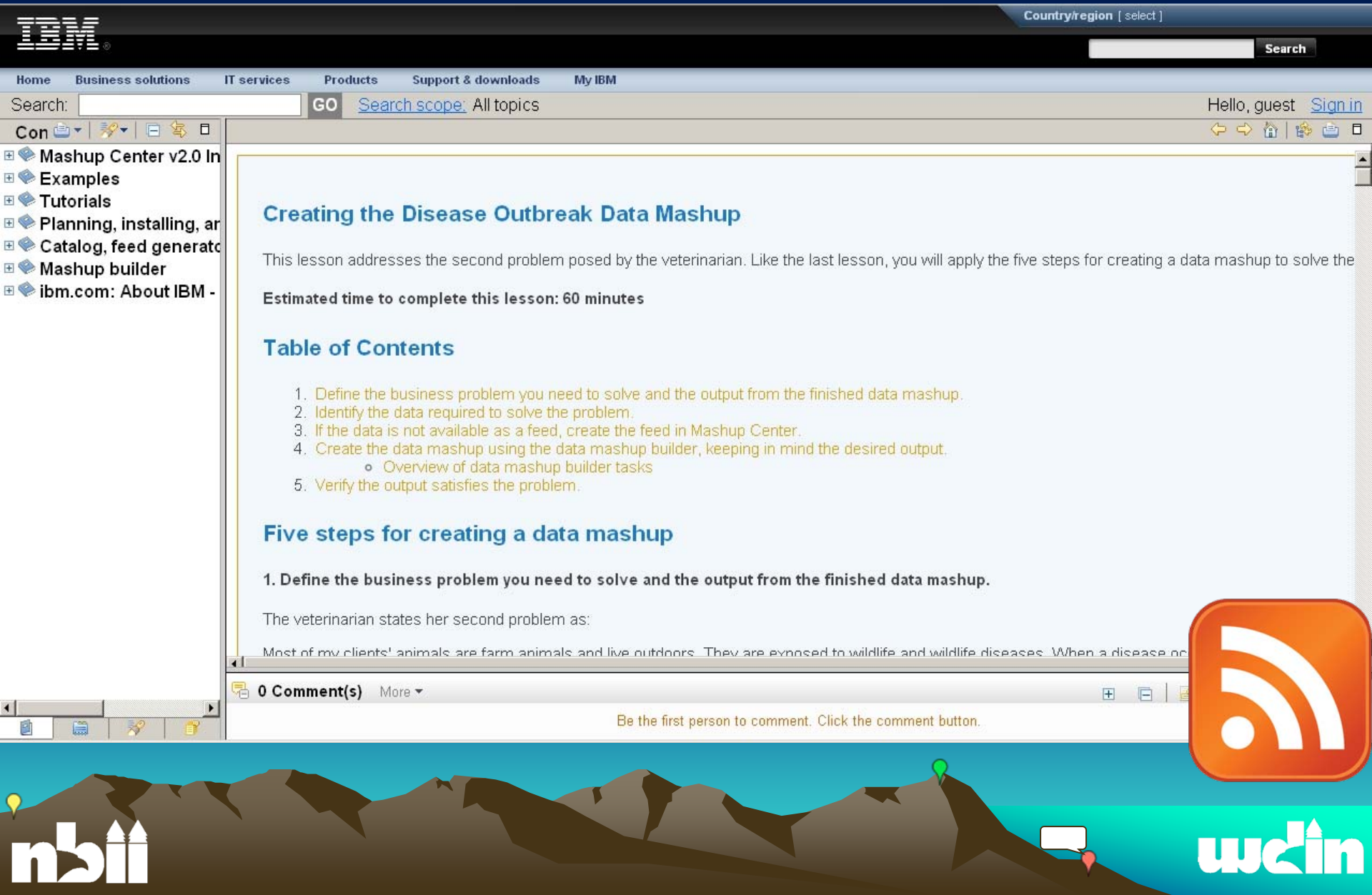
RSS 2.0 + simple geoRSS namespace v1.1



KML v2.2



Children's Hospital Boston, Harvard Medical School and the Massachusetts Institute of Technology

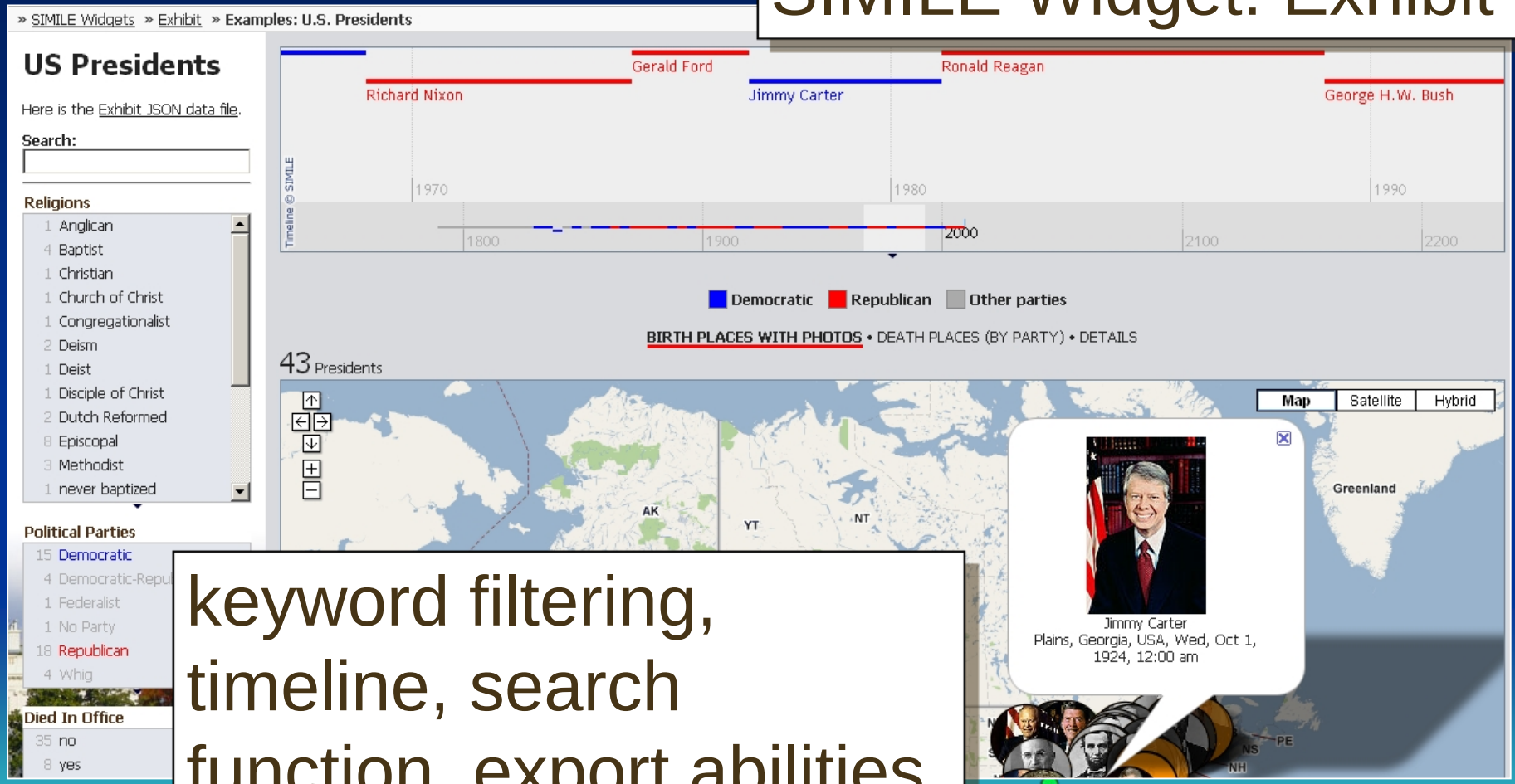

Country/region [select]
Search
Home
Business solutions
IT services
Products
Support & downloads
My IBM
Search:
GO
Search scope: All topics
Hello, guest Sign in
Mashup Center v2.0 In
Examples
Tutorials
Planning, installing, ar
Catalog, feed generatc
Mashup builder
ibm.com: About IBM -
Creating the Disease Outbreak Data Mashup
This lesson addresses the second problem posed by the veterinarian. Like the last lesson, you will apply the five steps for creating a data mashup to solve the
Estimated time to complete this lesson: 60 minutes
Table of Contents
1. Define the business problem you need to solve and the output from the finished data mashup.
2. Identify the data required to solve the problem.
3. If the data is not available as a feed, create the feed in Mashup Center.
4. Create the data mashup using the data mashup builder, keeping in mind the desired output.
o Overview of data mashup builder tasks
5. Verify the output satisfies the problem.
Five steps for creating a data mashup
1. Define the business problem you need to solve and the output from the finished data mashup.
The veterinarian states her second problem as:
0 Comment(s)
More
Be the first person to comment. Click the comment button.

‘.. The WDIN provides an outstanding means of quickly scanning the wildlife health events of possible significance across this country (by viewing the website and map) and the rest of the world. We also use an information gathering system that draws on the WDIN RSS feeds as continuous sources.. ‘

Eric Pederson, PhD
Systems Planning and Analysis Team
National Biosurveillance Integration Center
Office of Health Affairs
Department of Homeland Security

Future directions

SIMILE Widget: Exhibit



keyword filtering, timeline, search function, export abilities, background layers

Questions?

mkhines@wisc.edu

608-270-2400 x2333