

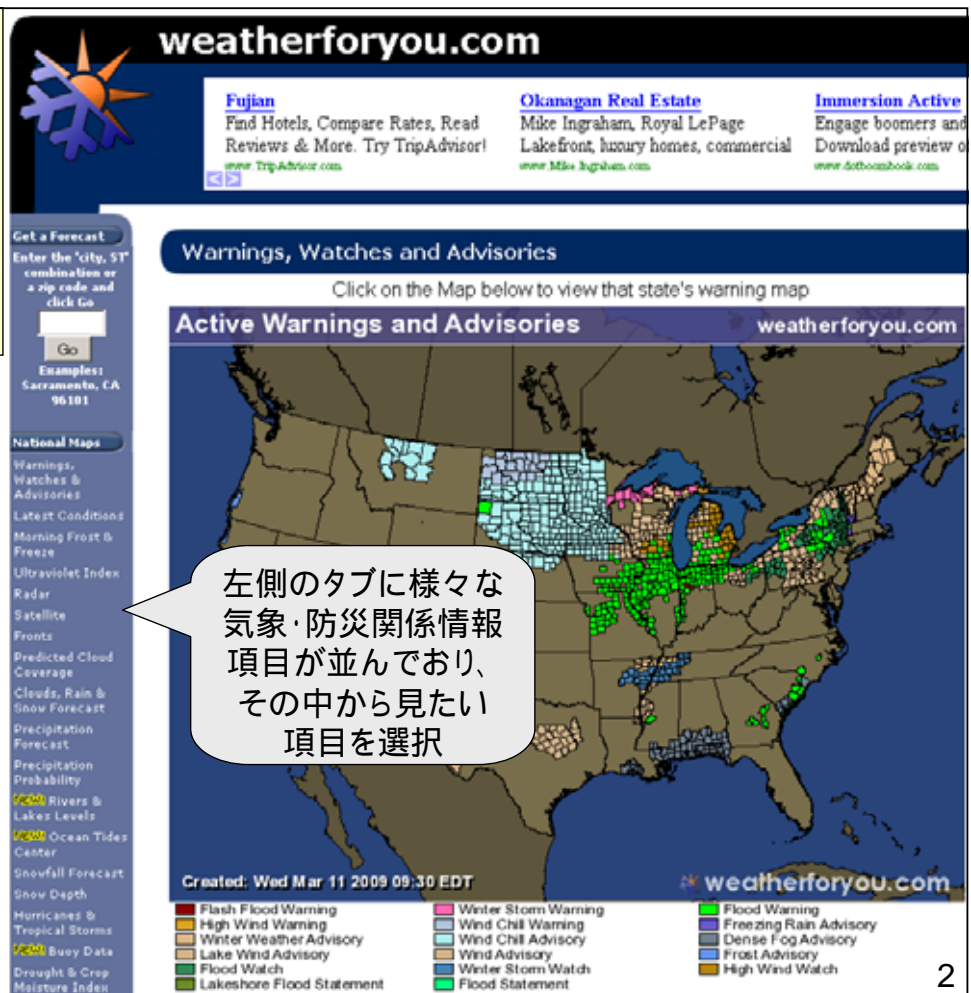
事務局からの話題提供


今週発生している米国の洪水の際の民間事業者による情報提供(例)

- ・災害関連の情報の規格化を活かしたサービスの提供の方向を
考える際の参考事例として

今週の洪水の際の米国における気象関連情報サービスの提供例

- 右は、2009年3月11日現在の予警報発令状況マップ
- 五大湖南部地域に洪水警報発令中





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河川・湖沼の水位状況も表示

- : Major Stage
- : Moderate Stage
- : Flood Stage
- : Action Stage
- : 通常の水位

Rivers & Lakes Center

Click the map below to zoom to a local view.

Gauge ID search... Ads by Google

Get a Forecast

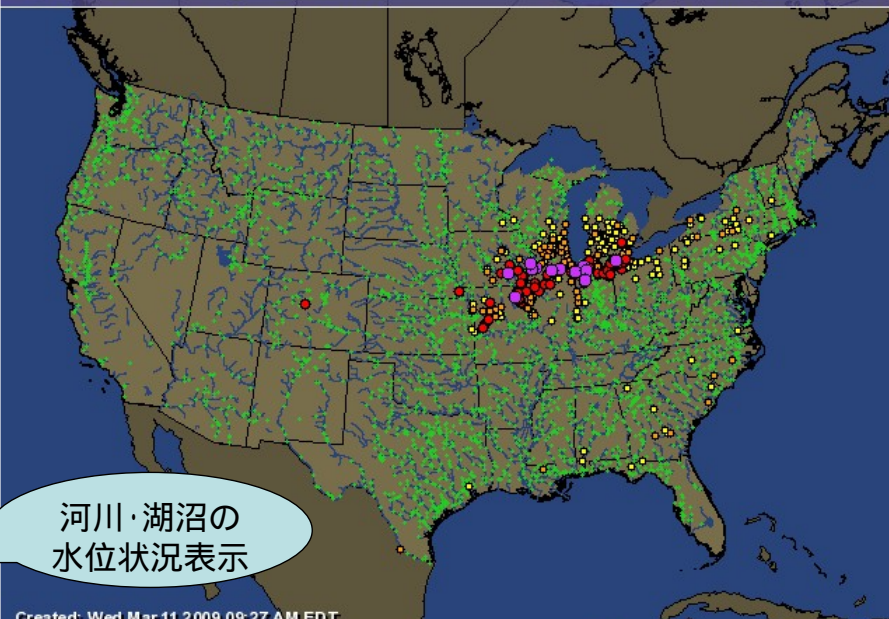
Enter the 'city, ST' combination or a zip code and click Go

Examples:
Sacramento, CA
96101

National Maps

- Warnings, Watches & Advisories
- Latest Conditions
- Morning Frost & Freeze
- Ultraviolet Index
- Radar
- Satellite
- Fronts
- Predicted Cloud Coverage
- Clouds, Rain & Snow Forecast
- Precipitation Forecast
- Precipitation Probability
- NEW! Rivers & Lakes Levels
- NEW! Ocean Tides

River & Lake Stage Conditions WeatherForYou.com



河川・湖沼の水位状況表示

Created: Wed Mar 11 2009 09:27 AM EDT

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3

Enter the city, ST combination or a zip code and click Go

Examples:
Sacramento, CA
96101

National Maps

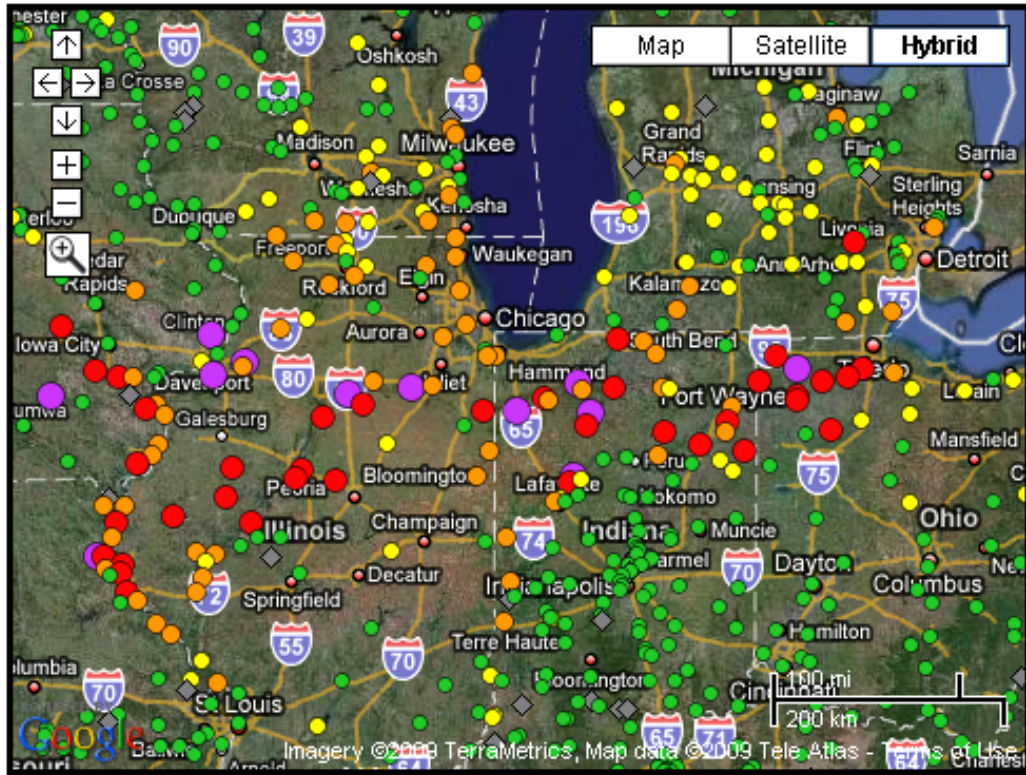
- Warnings, Watches & Advisories
- Latest Conditions
- Morning Frost & Freeze
- Ultraviolet Index
- Radar
- Satellite
- Fronts
- Predicted Cloud Coverage
- Clouds, Rain & Snow Forecast
- Precipitation Forecast
- Precipitation Probability
- NEW! Rivers & Lakes Levels

拡大図 (五大湖南部)

Gauge ID search...

US Map

Map Satellite Hybrid



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Data provided by NOAA Advanced Hydrologic Prediction Service

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個別の地点における状況表示画面

Get a Forecast
Enter the "city, ST" combination or a zip code and click Go

Go

Examples: Sacramento, CA 95811

National Maps
Mapings, Watches & Advisories
Latest Conditions
Morning Frost & Freezes
Ultraviolet Index
Radar
Satellite
Fronts
Predicted Cloud Coverage
Clouds, Rain & Snow Forecast
Precipitation Forecast

Tropical Storms
Body Data
Drought & Crop Moisture Index
Flight Delays
Personal Weather Stations

Video
National Summary
Forecasts
Temperatures
Current Conditions
Satellite
Radar

Rivers & Lakes Center

Tippecanoe River - Gauge WMCI3
Winamac (Dcp), IN
Lat: 41.05N, Lon: 86.60W

Stage ID search: **GO**

Large Map US Map

Ads by Google

Gauge
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Varec Float & Tape Gauges
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www.varec.com

European Water News
Information platform on developments in watermanagement
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Indianapolis IN Homes
Browse Indianapolis Indiana Homes For Sale On ResortScapes
www.ResortScapes.com

Observation History | **Hydrograph** | **Flood Impacts** | **Historical Events** | **Nearby Gauges**

Latest Observation
Updated: 9:00:00 AM EDT WED MAR 11 2009
Stage: **13.32 ft**
Flow: **6.86 kcfs**
* Thousand cubic feet per second

| Date | Stage ft | Flow cfs |
|---------------------|----------|----------|
| 03/11/2009 09:00 am | 13.1 | 6.04 |
| 03/11/2009 02:00 pm | 13.7 | 6.62 |
| 03/11/2009 09:00 pm | 14 | 6.92 |
| 03/12/2009 02:00 am | 14.2 | 7.13 |
| 03/12/2009 09:00 am | 14.2 | 7.13 |
| 03/12/2009 02:00 pm | 14.3 | 7.23 |

Forecast

Map | **Satellite** | **Hybrid**

Observation History

TIPPECANOE RIVER AT WINAMAC

Universal Time (UTC)

Site Time (EDT)

Graph Created (8:51am Mar 11, 2009) | Observed | Forecast (issued 3:33am Mar 11)

WMCI3 (gaging HGR01) *Gage ID Datum: 674.19'

タブを切替えれば、過去の水害時の水位、水位と被害の関係等を表示

時間別の予測水位を表示

水位の経過と今後の予測情報を表示

各地の水位をWeb-GIS上の地点マークをクリックして次々に表示することも可能

KANKAKEE RIVER AT DAVIS ROUTE 30

Universal Time (UTC)

Site Time (EDT)

Graph Created (8:51am Mar 11, 2009) | Observed | Forecast (issued 9:16pm Mar 10)

DAV3 (gaging HGR01) *Gage ID Datum: 664.66'

Illinois River AT Morris

Universal Time (UTC)

Site Time (CDT)

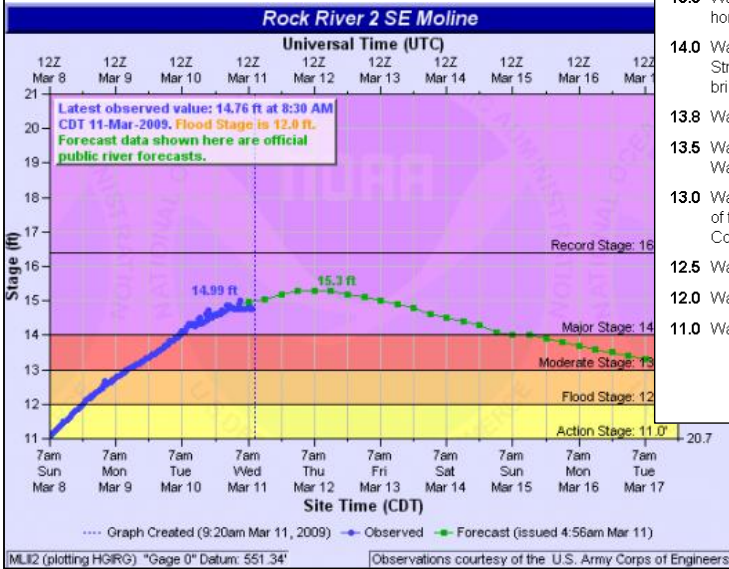
Graph Created (8:35am Mar 11, 2009) | Observed | Forecast (issued 9:49pm Mar 10)

MOR2 (gaging HGR01) *Gage ID Datum: 478.50'

「水位」と「発生現象」との関係を、観測地点毎に見ることもできる

河川等の水位に対応する現象についてのデータを国等が整備しておくことにより、情報の利用価値が大きく向上

水位別の発生事象を表示。どの水位でどの場所の住宅や道路が浸水が始まるかを表示。内容は、政府のNOAA (海洋大気庁) が提供しているもの



Observation History Nearby Gauges Hydrograph Flood Impacts Historical Events

Flood Impacts

- 17.5 The Sears Dam is under water in Rock Island.
- 15.5 Water affects the intersection of Highways 150 and 6. Steel Dam is under water in Milan.
- 15.2 Water affects the lowest streets on Vandruff/s/s Island.
- 15.0 Water affects business parking lots on 52nd Avenue in Moline. Water also affects most homes on South Shore Drive and North Shore Drive.
- 14.0 Water affects South Shore Drive and North Shore Drive in Moline west of the 27th Street bridge. Water limits access to homes on South Shore Drive east of the I-74 bridge. Water also affects portions of 60th Street south of John Deere Road.
- 13.8 Water affects 49th Avenue in Moline.
- 13.5 Water affects 60th Street south of John Deere Road in Moline and Green Valley Park. Water is also on Canal Road on Big Island.
- 13.0 Water affects homes on South Shore Drive in Moline and cuts off access to homes east of the I-74 bridge. Water affects Vandruff/s/s Island in Rock Island and 7th Street in Coal Valley.
- 12.5 Water affects residences in the Friendship Farm area.
- 12.0 Water affects residences near the 27th Street bridge.
- 11.0 Water affects agricultural land upstream from Moline.

Data provided by NOAA Advanced Hydrologic Prediction Service

誰でも自分のウェブサイト貼り付けられるフレームも用意している

- 好きな場所を入れれば、その場所の気象情報を表示するHTML文が発生。
- 右の例はカリフォルニア州サクラメント市を指定したもの。
- それを自分のウェブサイトに貼り付ければ、気象情報のフレームが付いたサイトが無料で構成される仕組み

Go
Examples: Sacramento, CA 96101

Local Info
Sacramento Forecast & Conditions
Sacramento Extended 8 to 15 Day Forecast
Hourly Forecast
Local Radar
NEW! Rivers & Lakes Levels
Printable Forecast

State Info
California State Weather
California Warnings & Advisories
California State Radar
California State Satellite
California Severe Weather Reports
California Road Reports
California Personal & Home Weather Stations

National Maps
Warnings, Watches &

Combined Weather Forecasts and Conditions

Current Conditions for:
Sacramento, CA
Mostly clear. Lows 32 to 41.
Northwest winds up to 10 mph.

Click here for the complete forecast

58% Humidity
30.03 Barometer
SSW 3 Wind Speed

Temp 50°F

Dated: 9:53 PM PDT WED MAR 11 2009 weatherforyou.com

To display the above image on your web site, copy the following code snippet, in it's entirety, to your web site's HTML where you'd like the image to appear. Failure to copy the entire code may make the image not work or display generic weatherforyou.com promotional images.

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<a href="http://www.weatherforyou.com/weather/c...>
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```

このようなフレームが発生

Start Tall Before Th...

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Distributor of Ter...
Sh...

retail, and energy
www.awis.com

Phuket Hotel D...
Save On Our Be...
In Asia Hotels, B...
AsiaRooms.com/Phu...

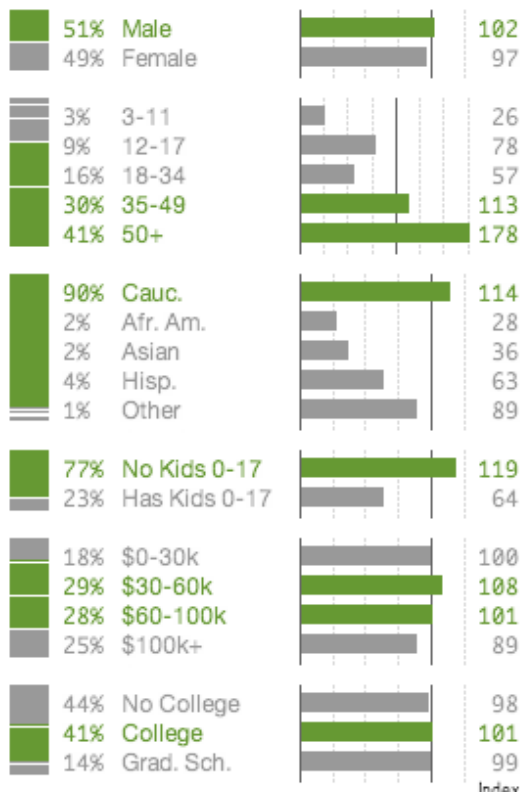
HELP FR...
STAY IN...
SCHOOL...
send h...
8

- 以上のほか、画面上では、どのような情報がこのサイトから見られるのかプレゼンする予定です。
- そのプレゼンでは、様々な気象情報に加えて、気象条件につながりが深い航空機遅延情報、それに関連した飛行場での視程等の情報が得られるサービスが構築されていることがわかります。
- 今回お示したのは、特にメジャーな気象情報サイトではありませんし、日本でも類似のサービスはありますが、
 - 河川の水位に関する情報も、その「意味情報」が加わると効果が増すことや、
 - 気象情報と関連情報を組み合わせること、利用者のニーズによりフィットしたサービスが生まれ得ること、
 - そして情報の規格化が各種サービスの提供を容易にすること
 を感じられる例であると思われたのでご紹介した次第です。

月間49万人、350万ページビュー。全米で4187位のアクセス数

US Demographics ?

Mar 06, 2009



Monthly Traffic

(QU NTCAS社ウェブサイトより)

| | People | Cookies | Page Views |
|--------|--------|---------|------------|
| Global | 489K | 630K | 3.5M |
| US | 429K | 559K | 3.3M |

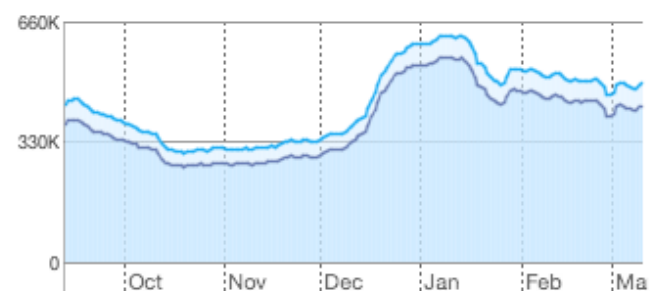
Monthly People

Compare

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03/10/09



●GLOBAL: 489K Max: 621K
●US: 429K Max: 561K

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出典) <http://www.quantcast.com/weatherforyou.com>