



# Management and Application of Information and Communication over Internet and SIDSnet

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## *Practical usage of Internet and SIDSnet*

### **Search Engines**

A search engine is an interactive tool to help us locate information available in the Internet via World Wide Web.

### **Web-site examples**

Google: <http://www.google.com/>  
Yahoo: <http://www.yahoo.com/>  
MSN: <http://www.msn.com/>  
Altavista: <http://www.altavista.com/>  
AOL: <http://www.aol.com/>

### **Practice**

We use [Google](#).

Suppose we want to know:

- 1) GIS (Geographic Information Systems) on sea level rise in pacific region  
[Example](#). [Search result](#).
- 2) Information about cooking of Taro in the South Pacific  
[Example](#). [Search result](#).
- 3) Banana trade / export / import in the Caribbean

[Example. Search result.](#)

[Another example](#) in Google's advanced search interface. [Search result.](#)

## **SIDSnet Search**

We have a customized search interface, which has optimized islands-related issues. Through our search facility, you can search not only the SIDSnet site, but also all Internet. <http://www.sidsnet.org/>

Our document database is also searchable through separate interfaces, as well. These interfaces are:

Climate: <http://www.sidsnet.org/cgi-cldoc/docsearchmat.cgi>

Coastal and Marine: <http://www.sidsnet.org/cgi-codoc/docsearchmat.cgi>

Trade: <http://www.sidsnet.org/cgi-s3doc/docsearchmat.cgi>

Tourism: <http://www.sidsnet.org/cgi-stdoc/docsearchmat.cgi>

Biodiversity: <http://www.sidsnet.org/cgi-bidoc/docsearchmat.cgi>

Energy: <http://www.sidsnet.org/cgi-endoc/docsearchmat.cgi>

Others: <http://www.sidsnet.org/cgi-otdoc/docsearchmat.cgi>

## **Meta-searchers**

Meta-searchers enable us to search in multiple search engines at cost of flexibility each search engine has.

### **Web-site examples**

MetaCrawler: <http://www.metacrawler.com/>

WebCrawler: <http://www.webcrawler.com/>

ProFusion: <http://www.profusion.com/>

### **Practice**

Let's use [MetaCrawler's advanced search interface.](#)

Suppose we want to know:

- 1) Information about global warming and sea level rise.

## **News over Internet**

### **Web-site example**

REUTERS: <http://www.reuters.co.uk/> or <http://www.reuters.com/>

( Reuters has excellent news video called 'RawVideo'. )

BBC: <http://news.bbc.co.uk/>

AFP: <http://www.afp.fr/francais/home/> (in French)

<http://www.afp.com/english/home/> (in English)  
ITR-TASS: <http://www.itar-tass.ru/> (in Russia)  
<http://www.itar-tass.ru/english/> (in English)

CNN: <http://www.cnn.com/>

Others:

The Organization of Aisa-Pacific News Agencies

<http://www.oananews.com/about.members.html>

For more list, go to

<http://www.irna.ir/NewsAG/list.htm> .

## Personalized news selection

You can personalize / customize your news selection by registering for free news service and setting up your own preference in selection.

- 1) My Yahoo!  
<http://my.yahoo.com/p/d.html>
- 2) BBC Email Service:  
<http://www.bbc.co.uk/dailyemail/>
- 3) Yahoo! Alert  
<http://alerts.yahoo.com/>

## SIDSnet Newswire

We have news distribution service in island-related themes:

Climate: <http://www.sidsnet.org/latestarc/climate-newswire/>

Coastal and Marine: <http://www.sidsnet.org/latestarc/coastal-newswire/>

Trade: <http://www.sidsnet.org/latestarc/trade-newswire/>

Tourism: <http://www.sidsnet.org/latestarc/tourism-newswire/>

Biodiversity: <http://www.sidsnet.org/latestarc/biodiversity-newswire/>

Energy: <http://www.sidsnet.org/latestarc/energy-newswire/>

Others: <http://www.sidsnet.org/latestarc/other-newswire/>

## Example / Practice

Let's build [My Yahoo!](http://my.yahoo.com/) personalized news page .

## Encyclopedia

### Web site examples for free encyclopedia online:

Encyclopedia.com: <http://encyclopedia.com/>

Microsoft Encarta Concise: <http://encarta.msn.com/>

### Web site examples for commercial encyclopedia online:

Britannica Online: <http://www.eb.com/>

Microsoft Encarta Deluxe: <http://encarta.msn.com/EncartaHome.asp>

## **Online Library Search**

Major universities and others have online library catalogs. They are very helpful in doing academic researches.

MIT (Massachusetts Institute of Technology) Library <http://library.mit.edu/>  
Harvard University Library <http://lib.harvard.edu/>  
Oxford University Library <http://www.lib.ox.ac.uk/olis/>  
Cambridge University Library <http://www.lib.cam.ac.uk/>

## **Other Resources**

### **Governmental / International Organization Resources**

CIA World Fact Book Online:

<http://www.cia.gov/cia/publications/factbook/index.html>

UN Database: <http://www.un.org/databases/>

### **Atlas and Map Service**

National Geographic Map Machine:

<http://plasma.nationalgeographic.com/mapmachine/>

### **Online book search and book purchase**

Online book stores are good information resources even if you don't intend to order books.

Amazon.com: <http://www.amazon.com/>

Barnes and Noble: <http://www.barnesandnoble.com/>

### **Online flight search and reservation**

These are good resources to find your flights before you call your travel agents.

Travelocity: <http://www.travelocity.com/>

Expedia: <http://www.expedia.com/>

### **Financial Informatin**

PACIFIC Exchange Rate Service: <http://pacific.commerce.ubc.ca/xr/>

( Providing very detailed and various foreign maney excahnge information.)

Financial Times business section: <http://news.ft.com/business>

## Glossary for Internet Terminology

<http://www.matisse.net/files/glossary.html>

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### *Using SIDSnet*

#### **Main Page:**

<http://www.sidsnet.org/>

#### **Theme Pages:**

We have 7 theme pages, namely:

- Biodiversity
- Climate Change
- Coastal & Marine
- Energy
- Tourism
- Trade
- Others

Each theme page has the following services:

- Newswire
- Discussion mailinglist
- Link database
- Document database

Let's discuss these services through the [Climate theme page](#).

#### **Search:**

(Discussed above.)

#### **Newswire:**

(Discussed above.)

#### **Other Services:**

[Calendar](#)

[Core statistics for each SIDS](#)

[List of vital documents](#)

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# *Application of Internet / Tele-communication*

## **Examples of Weather Radio service to rural areas**

RANET ( Radio and Internet for the Communication of Hydro-Meteorological and Climate Related Information )

RANET Africa.

<http://www.publicaffairs.noaa.gov/worldsummit/ranet.html>

<http://www.cip.ogp.noaa.gov/>

[http://www.oar.noaa.gov/spotlite/archive/spot\\_ranet.html](http://www.oar.noaa.gov/spotlite/archive/spot_ranet.html)

<http://www.publicaffairs.noaa.gov/worldsummit/pdfs/ranetenglish.pdf> (Brochure)

RANET Pacific:

SIDSnet is working with other parties for possible introduction of Ranet to the Pacific. Once there is progress in this initiative, it will be announced in the SIDSnet website.

## **Telemedicine Examples**

**Fiji School of Medicine** has a telemedicine projects called Pacific Telepathology (<http://www.fsm.ac.fj/PWS/telepath.htm>). It has been established since June 2003 with technical support from University of Basel, Switzerland. The service is designed for remote consultation, continuing medical education (CME), and health care research. The service enables health care professionals in the Pacific to access and exchange medical information using any standard computer and internet connection. Areas with low speed connection can also participate through simple email as medium of sending and receiving information.

**InfoMed** is a cuban medical information gateway. <http://www.sld.cu/>

## **Distance education**

**Examples:**

**University of the South Pacific Emalus Campus**

<http://www.vanuatu.usp.ac.fj/>

<http://www.centre.vanuatu.usp.ac.fj/>

**The Global Distance Education Network (GDENet),**

<http://www.col.org/disted/> , is a knowledge guide to distance education designed to help distance education practitioners who are interested in using distance education for human development. The Network consists of six Internet sites located around the world.

**The University of Phoenix** in USA is one of the leading universities in the distance education. The university provides formal degrees through its distance

education courses.

<http://www.phoenix.edu/online2.asp>

### **More Information:**

The following website provide comprehensive information about distance education:

<http://www.uwex.edu/disted/home.html>

The Secretariat of the Pacific Community (SPC) provides lists of links related to distance education:

<http://www.spc.int/Health/DistanceEducation/>

### **eCommerce:**

#### **Good Pacific Examples:**

<http://www.internetfiji.com/core/portfolio/ecommerce.html>

#### **Detailed eCommerce information from International Organizations:**

UNCTAD: <http://r0.unctad.org/ecommerce/>

WTO: [http://www.wto.org/wto/english/tratop\\_e/ecom\\_e/ecom\\_e.htm](http://www.wto.org/wto/english/tratop_e/ecom_e/ecom_e.htm)

EU:

[http://europa.eu.int/information\\_society/topics/ebusiness/ecommerce/index\\_en.htm](http://europa.eu.int/information_society/topics/ebusiness/ecommerce/index_en.htm)

WIPO: <http://ecommerce.wipo.int/>

### **WiFi (Wireless Fidelity):**

WiFi stands for Wireless Fidelity. WiFi is a wireless technology like a cell phone. WiFi enables computers to send and receive data to/from other computers indoors and outdoors, anywhere within the range of an access point. The access point acts as a hub for computers to communicate with each other. WiFi networks use radio technologies called IEEE 802.11b or 802.11a to provide secure, reliable, fast wireless connectivity. While the radius of each access point is normally no more than a fifty metres, it can be extended by using repeaters. The radius could be more than one kilometer if you use more powerful or directional external antennas.

Examples:

[Typical Office WiFi network](#)

[Multiple networks over WiFi](#)

[Extended WiFi Networks through repeater](#)

[Wider range example](#)

Example of [Niue](#)

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