

Social Networking and the Middle East

SAND2008-0471C



Middle East Symposium January 9, 2008

Karl Horak
Org. 6722
NMM and Advanced Technologies

SAND Number: 2007-xxxxx



What is Social Networking?

- Not just FaceBook and MySpace
- A social network service focuses on the building of online communities of people with shared interests
- Social network services are web-based and provide a variety of ways for users to interact
 - Chat
 - Messaging
 - e-mail
 - Video
 - Voice chat
 - File sharing
 - Blogging
 - Discussion groups
- 111 social networking websites listed on Wikipedia



Requires Advanced Internet Infrastructure

The critical need is for Internet access to shared resources and information



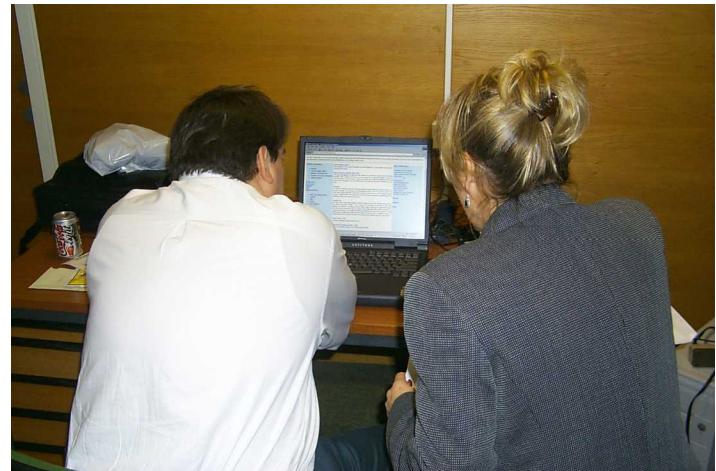
Increasing:

- **Growth of international projects**
- **Pace of website construction**
- **Sophistication of functional requirements**



Typical Use-Case

1. Engage regional partners
2. Develop concepts, tools, and joint solutions
3. Encourage sustainable collaboration
4. Project infrastructure turned over to partners



A Collaborative Water Monitoring, Modeling and Management Environment — Sandia Water Portal - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

A Collaborative Water Monitoring, Mo...

Sandia National Laboratories

Water Portal

A Collaborative Water Monitoring, Modeling and Management Environment

home site map vision portal tutorial sites of interest help

you are here: home

contents view edit properties sharing display add to folder

A Collaborative Water Monitoring, Modeling and Management Environment

by Karl Horak — last modified 11-02-2006 09:49 [History](#)

The purpose of this portal is to provide a web-based, interactive environment for collaborative regional and international water monitoring, management. This venue allows multiple scientists, policy makers, water managers and stakeholders at multiple institutions around the globe to work together on water issues in real time. It also provides public access highlighting different regional and international projects.

Note: There is public and restricted information on this site. You may view all public information without logging in. A user ID and password are required to view restricted information.

Requires:

- Non-export controlled technologies
- Platform independence
- Low cost



Online Community Participation

Motivations

- Anticipated Reciprocity
- Increased Recognition
- Sense of Efficacy
- Sense of Community

Learning Trajectory

- Peripheral (Lurker)
- Inbound (Newbie)
- Insider (Regular)
- Boundary (Moderator/ Expert)
- Outbound (Legacy)



Social Networking Frameworks

A social networking framework:

- Increases active participation by our partners
- Dramatically accelerates site deployment—members contribute content

The screenshot shows the homepage of the WACSI Prototype website. The header features a green banner with the text "WEB ACCESS for Civil Society Initiatives". Below the banner, the sub-header "Welcome to WACSI Prototype" is displayed, along with the author "by dahayer — last modified 2007-08-18 20:25" and a language dropdown set to "English". A sidebar on the left is titled "NAVIGATION" and includes links to "Home", "Societal Improvements", "Economic Development", "Women's Empowerment", "Educational Institutions", "Religious Tolerance", and "Human Rights". The main content area contains a brief overview of the project, mentioning the Middle East and Internet access. To the right, there is a decorative graphic of a traditional patterned fabric and a calendar for August 2007.



SharePoint

- Neither platform independent nor low cost
but...
- Totally integrated with MS Office documents and files
- Used in a wide number of internal areas
- Now available as an extranet application at Sandia

The screenshot shows a Mozilla Firefox browser window with the following details:

- Address Bar:** https://sharepoint.sandia.gov/sites/GNEPSSPR/default.aspx
- Toolbar:** Standard browser buttons for Back, Forward, Stop, Refresh, and Home, along with a search bar and a link to Wikipedia.
- Menu Bar:** File, Edit, View, History, Bookmarks, Tools, Help.
- Toolbar:** Standard browser buttons for Back, Forward, Stop, Refresh, and Home, along with a search bar and a link to Wikipedia.
- Page Content:**
 - Header:** GNEP: Safeguards, Security and Proliferation Resistance Initiative. Home
 - Left Sidebar:** Documents, Pictures, Lists, Tasks, Discussions, Surveys.
 - Document Library:** GNEP SSPR Document Library (Type, Name, Modified By).

Type	Name	Modified By
File	GNEP Strategic Plan January 2007	Saltiel, David H
File	Nonproliferation - Goodman	Saltiel, David H
File	Kelly GNEP101706V2	Pregenzer, Arian L
Folder	AREVA visit 2006-11	Saltiel, David H
Folder	NA24 GNEP Priorities	Saltiel, David H
Folder	2006-06 GNEP Technology Development slides	Saltiel, David H
Folder	Internal Briefings and Documents	Saltiel, David H
Folder	Revelant Reports and Studies	Saltiel, David H
Folder	News articles, op-ed, and other references to GNEP	Saltiel, David H
Folder	GNEP Overviews	Saltiel, David H
 - Right Sidebar:** GNEP Safeguards, Security, and Proliferation Resistance (SSPR) (Announcements, Add new announcement).



T-Wiki and MediaWiki

- **Biological Threat Reduction Wikis**
 - **Risk Assessment wiki**
 - **Countries, Facilities, People wiki**

Argentina - TWiki - Mozilla Firefox

File Edit View History Bookmarks Tools Help

https://ibtr.wiki.sandia.gov/twiki/bin/view/IntBTR/Countries/Argentina

SRN Welcome to Gmail TechWeb - Sandia's In... Comments on: [Replies]...

Google The grinch Search Bookmarks PageRank Check AutoLink Send to The grinch

Gmail - Inbox - susan.caskey@gmail.com NASA - NASA TV Welcome to the International Biological Threat Reduction (IBTR) - Argentina - TWiki Content ID Information Details

DRAFT

International Biological Threat Reduction - IntBTR.Countries - Argentina

Argentina

Argentina is a country in South America, situated between the Andes peaks in the west and the southern Atlantic Ocean in the east and south. It is bordered by Paraguay and Bolivia in the north, Brazil and Uruguay in the northeast, and Chile in the west and south. It also claims the British overseas territories of the Falkland Islands (Spanish: Islas Malvinas) and South Georgia and the South Sandwich Islands. Under the name of Argentine Antarctica, it claims around 1,000,000 square kilometres (386,000 sq. mi) of Antarctica, overlapping other claims by Chile and the United Kingdom. By area, it is the second largest country of South America after Brazil and the 8th largest country in the world.

Argentina is divided into 23 provinces and 1 autonomous city (commonly known as federal capital). Buenos Aires has been the capital of Argentina since its unification, but there have been projects to move the administrative center elsewhere. About 2.7 million people live in the Autonomous City of Buenos Aires, and roughly 11.5 million in Greater Buenos Aires (2001), making it one of the largest urban conglomerates in the world. Together with their respective metropolitan areas, the second and third largest cities in Argentina, Córdoba and Rosario, comprise about 1.3 and 1.1 million inhabitants, respectively.

Argentina can roughly be divided into three parts: the fertile plains of the Pampas in the central part of the country, the center of Argentina's agricultural wealth; the flat to rolling plateau of Patagonia in the southern half down to Tierra del Fuego; and the rugged Andes mountain range along the western border with Chile, where the highest point lies in the province of Mendoza. It is the Cerro Aconcagua at 6,960 metres (22,834 ft), which is the Americas' highest mountain.

[Wikipedia Details](#)

International BW Treaty Membership

- Biological Weapons Convention (BWC): Convention member, signed 01 October 1972 and ratified 27 November 1979
- Australia Group: Member

Legislation

- United Nations Security Council Resolution 1540 (1)
 - Requires that Member States establish controls over WMD and the means to create and deliver them, with the hope that the threat of non-state actors acquiring such weapons is increasingly diminished.
 - 38.4% Total Compliance: 20.8% Criminalization/ 40.0% Accounting and Security/ 42.3% Border & Export Control
 - A little over 38% of Legislative framework and Enforcement measures have been taken
- Mendoza Declaration, 5 September, 1991
 - Signed along with Brazil and Chile, declares region between the three countries a zone free of chemical and biological weapons
- Law on the Promotion and Development of Biotechnology
 - Allows the government to provide seed capital and early-stage funding to promising new companies
- Article 189 bis of the Argentine Penal Code
 - Illegal possession and production of biologically hazardous materials is punishable by imprisonment
- Article 202 of the Argentine Penal Code
 - Anyone who intentionally spreads harmful or contagious disease to humans will be imprisoned
- Act No. 24449
 - Governs the transport of hazardous materials, including infectious substances and specimens
- Decision No.422, 2006
 - Provides for the National Service for Health and Agro-Food Quality (SENASA) to adapt domestic procedures for animal disease surveillance

Done

intbtr.wiki.sandia.gov

 Sandia National Laboratories



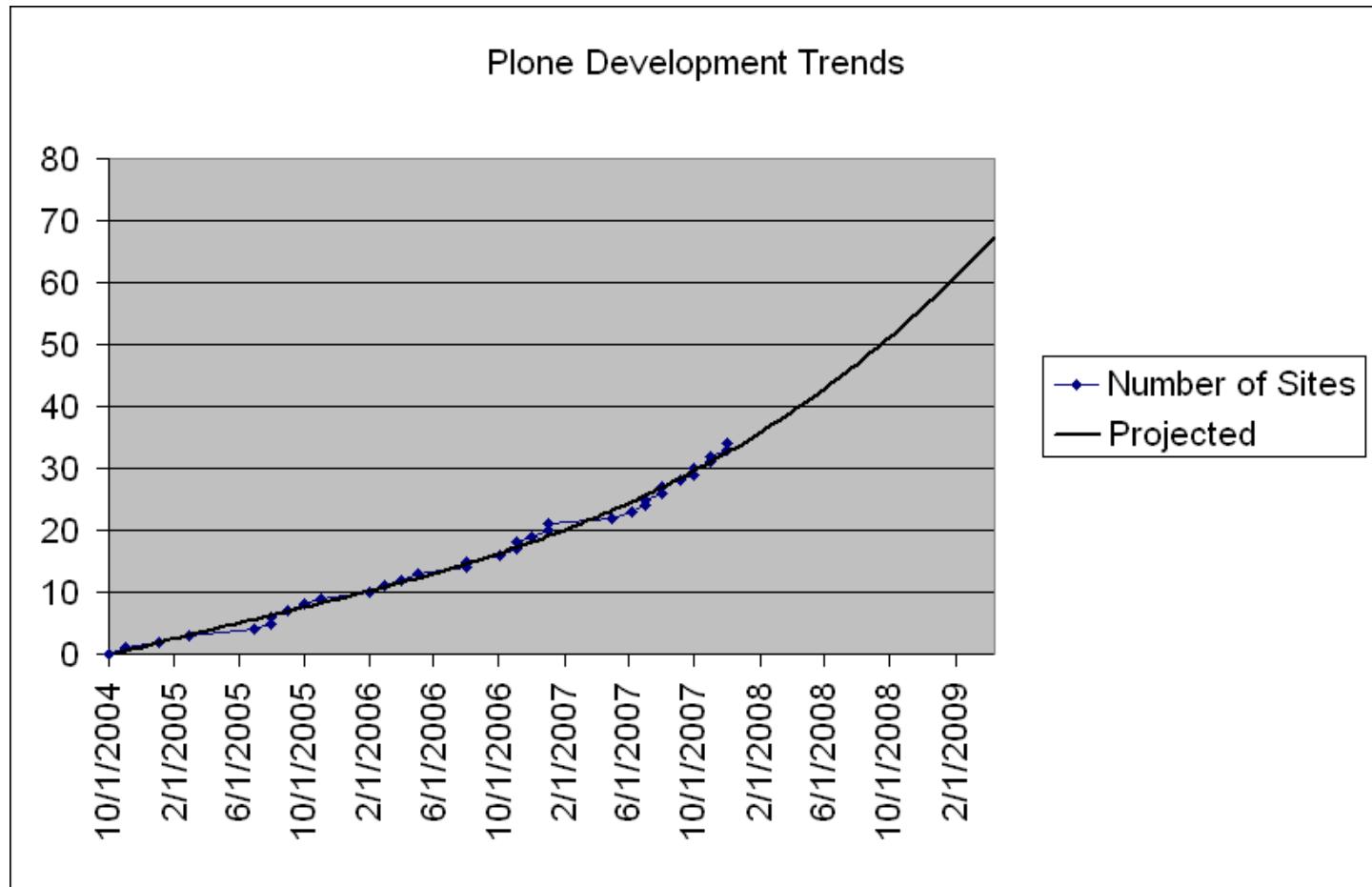
Plone

- Open-source
- Python-based
- Windows-UNIX-Mac
- Through-the-web control of content
 - Fine-grained security
 - Role-based workflow
- Out-of-the-box functionality
- Highly customizable
- Runs behind SNL firewalls, web servers
 - Suitable for UCI, OUO, and, with encryption, UCNI





IPB Statistics





Information Sharing within Groups

- CMS forms a platform to deliver content
 - Integrates information for decision support and policy analysis
- Replaces “the tyranny of the webmaster”
 - Self-maintaining information owners
- Comprises a differentiating capability that augments:
 - E-mail
 - File sharing systems
- Provides content that is:
 - User-supplied
 - Self-aggregating
 - Self-updating
- Integrates with and augments conferencing tools like ProCom, WebEx, and Centra





Barriers

- **Learning curve**
 - Training needed for administrators & developers
 - Short orientation needed for content owners
 - Site visitors usually find the interface intuitive
- **Some hesitancy in use**
 - New and different, strange and unfamiliar in some ways
 - Sometimes too much for “Connected but hassled” users*

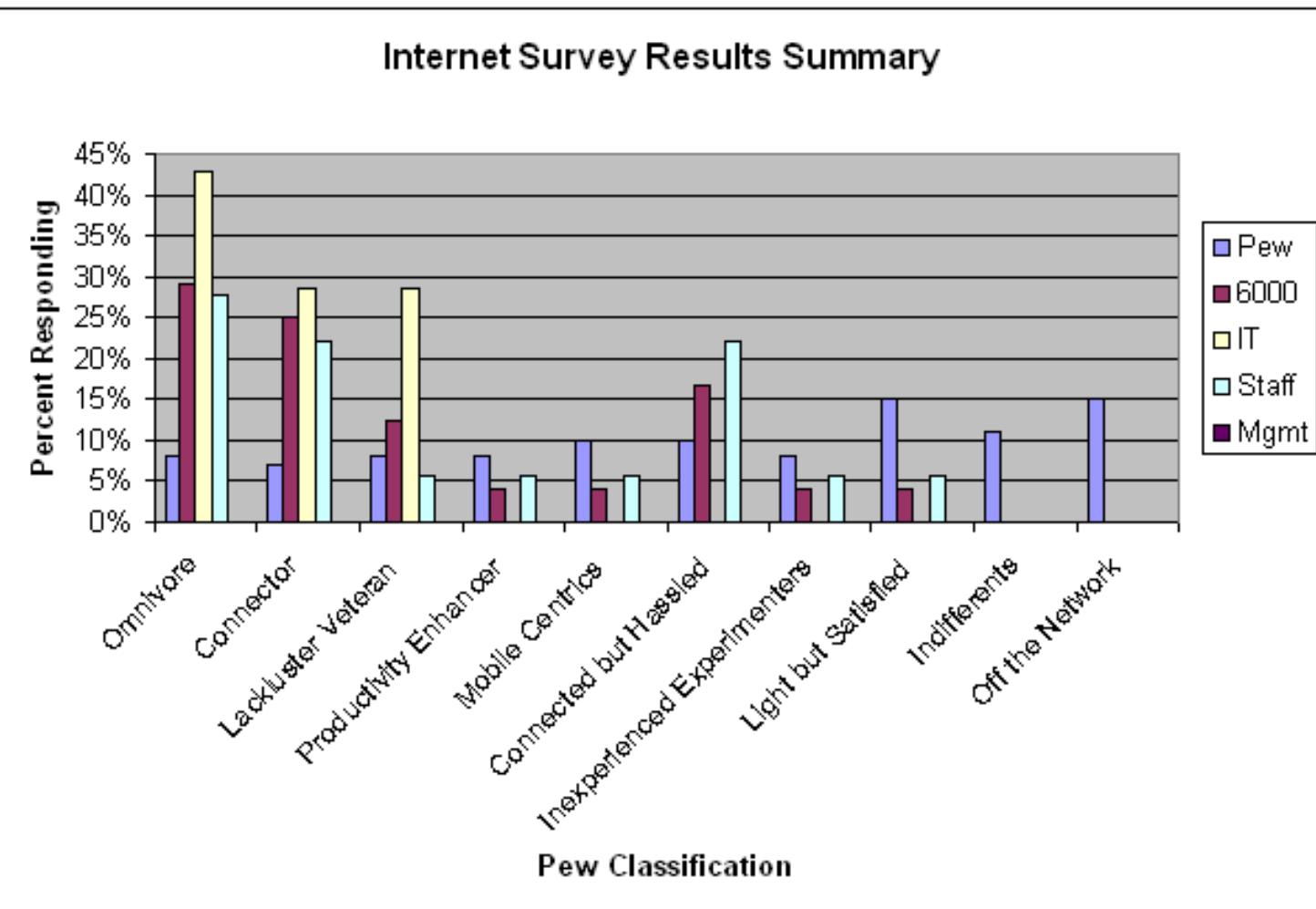


Successful result is a strong community of shared interest

* http://www.pewinternet.org/pdfs/PIP_ICT_Typology.pdf



IPB ICT Survey





Middle East Applications



- International Water Portal (<https://waterportal.sandia.gov>)
- Web Access for Civil Society Improvements (<http://waci.unm.edu>)
- Annual Middle East Symposium intranet (<https://ironside.sandia.gov/zope/mesymposium>)
- Foreign Currency Exchange (<https://ironside.sandia.gov/zope/exchange>)
- MENA Economic Development Portal (proposed)