Information Management Resource Kit

Module on Building Electronic Communities and Networks

UNIT 3. OPTIONS, CHOICES, TOOLS AND APPLICATIONS

LESSON 1. OVERVIEW OF TECHNICAL OPTIONS





















xample of pu	sh/pull technologie	es in a traditional	community
eliver trough chive on a w in a traditional rect deliver	nunities you can make web pages, and a co reb page; knowledge communi using correspondenco combination of both	by such as an acade ce or meetings, in	h in a mailing list emic one, you can r direct deliver tro
Community	Direct delivery (push)	Indirect delivery (pull)	Combination
Community Online			Combination Mailing list archiv on Web page
	(push)	(pull)	Mailing list archiv



E-mail based tools	
	The main e-mail based tools are:
	 e-mail itself, used to communicate one-to-one by community members, or through multiple-address messages, using "carbon copies", "blind copies" or other multiple addressing features available;
·	 mailing lists, managed with the help of dedicated programs that provide administrative functions as well as message forwarding to all members of the list and archiving;
Q_	 newsletters, sent to all addresses on a subscriber list, are used to provide information focused on a specific topic and to promote and support content published online; and
	 automated mail alerts, commonly used to inform the users when web pages are modified or a new page is added to a Web site.

E-mail b	based tools
	STRENGTHS
	E-mail based tools strengths are the following:
	 flexibility, since it's not necessary to be online at the same time, users with limited time don't have to struggle to schedule times to communicate with other users;
	• immediacy , near real-time communication is possible if all parties are able to be online at the same time;
	capability of delivering information automatically to users;
	• cost-effectiveness: users are not required to be connected to the Internet all the time. They can download mail and disconnect before reading and composing messages; and
	accessibility, e-mail based tools do not require the use of high- end equipment.
	one oquipmont.

E-mail based tools	
In your opinion which are the weak points of e-mail based tools?	
Connectivity costs	
Speed and quality of access	
□ Need to organize and keep track of messages	
Security risks	
Please select the answers of your choice (2 or more) and press Check Answer.	

E-mail t	based tools	
	WEAKNESSES E-mail based tools weaknesses are the following:	
	• the "push" aspect of e-mail is a strength, but can also be a weakness. E-mail requires a relatively high level of effort from users , they need to decide which messages are relevant and manage and organize them. Because it is so easy to push messages out, users may be faced with mountains of useless and unwanted information, and overlook messages which are both useful and wanted; and	
	• e-mail based communication is, in general, quite insecure . It is possible for messages to be intercepted and read by other parties. It is possible to encrypt messages, but this poses an additional burden on the user.	

Web based tools
Let's now explore web based tools.
The Web is very good for storing , finding and delivering information, far better than offline technologies like e-mail.
Some common web based tools for online communities are:
ordinary web pages; Cordinary web pages;
• web based discussion forums;
online directories;
 tools which allow the development of Web sites directly from a web browser and with no knowledge of HTML (blogs, wikis, content management systems);
scheduling tools such as calendars; and
online decision support tools.
And many other tools derived from them.





	Dissemination
tool for	net is still not quite as universal as television, but it is a much more flexible and powerful delivering specific information to diverse audiences. In addition, it can accommodate ler variety of delivery formats.
	Delivering multiple/multimedia formats
with the very goo and mus format.	e-mail can transport anything that can be contained in a computer file, it cannot compete ability of the Web to deliver non-textual information. The modern web browser is not only d at displaying richly formatted text, it is just as good at displaying pictures, playing videos c, and running programs that interact with the user to generate complex objects in any f there is a consistent need to share or deliver non-textual information, it can only errly addressed by a Web site.
	Constitu
	Security







Convergence Accessing Market Information by Mobile Phone



The <u>Kenya Agricultural Commodity Exchange</u> (KACE) Limited has developed a Market Information System designed to help farmers, especially smallholder poor farmers in remote rural areas, to access better markets and prices for their produce. As part of this, KACE has partnered with a mobile phone company to provide a service where people can access market information like commodity prices in different markets, who is buying or selling what commodity, at what prices, where and when, as well as access extension messages, using mobile phones and Short Messaging Service (SMS). This information service is made possible by combining several ICTs: computer databases, the Internet, and mobile phones.

A similar service exists in **Uganda**. In 1999, the International Institute of Tropical Agriculture (IITA) established a National Market Information Service in Uganda. This service collects market data on 19 different agricultural commodities from 19 market centres across the country on a weekly basis, and from the country's main wholesale markets on a daily basis. The information is processed, compiled in databases, and disseminated through various radio stations, national newspapers and by e-mail and fax to major trading companies, government departments, agricultural development agencies.

	Kampala						
	Kisenyi	Owino	Nakawa	Arua	Gulu	Hoima	lganga
Matoke		200	200	500	370	200	360
Fresh Cassava		300	300	400	128	250	300
Sweet Potatoes		300	300	400	225	300	280
Irish Potatoes		400	400	650	600	300	500
Beans	700	700	800	500	800	950	700
Beans Other	900	700	800	600	750	1,000	700
Cassava Chips	300			350	280	350	280
Cassava Flour	400	400	400	500	680	400	350
Groundnuts	1,500	1,500	1,600	1,400	1,500	1,200	1,400

Since 2003, the <u>National Agricultural Advisory Services</u> in Uganda has established localised market information services in a pilot project. These services are designed to meet the information needs of grassroots agricultural actors, especially local farmers and small-scale traders. Data on prices, traded volumes, market flow, growing conditions and other relevant information is collected from villages and market centres in several districts and, together with relevant national and regional information, is disseminated in local languages by local FM radio stations. The projects can receive and disseminate instant reports through SMS on changing market prices.

Find out more: http://www.foodnet.cgiar.org















co to Tc	the tools you choose for your online community can actively help or hinder your mmunity interaction. Make sure that your community's needs drive your choice of ols – not the other way round. Hols can generally be grouped into e-mail based ("push" technologies) and web sed ("pull" technologies) tools, and into synchronous and asynchronous tools.
Da	sed ("puil" technologies) tools, and into synchronous and asynchronous tools.

If you want to learn more.	
Synchronous vs Asynchronous Intera http://www.webcrossing.com/WebX	
Synchronous-Asynchronous http://mitpress2.mit.edu/e-books/Cit	y of Bits/Electronic Agoras/SynchronousAsynchronous.html
Synchronous and Asynchronous C http://www.centeronline.org/know	
Electronic Agoras http://mitpress2.mit.edu/e-books/	City_of_Bits/Electronic_Agoras/index.html
What types of virtual communities <u>http://www.fullcirc.com/communi</u>	s can I build and what tools are available? ty/communitytypes.htm