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From Communication to Collaboration over the Internet

Conference Highlights

Keynotes



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prof. Ante Simonić, Ph.D.

Chairman of Committee for Education, Science and Culture of the Croatian Parliament



- Information becomes a primary resource of the new society, perhaps more fundamental than matter or energy

- It is important to... affirm the need for active selection and not passive acceptance of data without participation and criticality.

Finding Meaning in the Internet...

...How can you tell Gold from Lead over TCP/IP?

Richard Perlman
perl@lucent.com
Lucent Technologies
Bell Labs Innovations



The Potential

- In the age of hyper-text, a non-fiction work is now merely the index to a body of knowledge rather than the knowledge itself.
 - Consider the importance, and significance, of that statement.
 - Non-fiction work, facts, data, information, is now not only important for what it say, but for what it can be connected to.
 - And, that connection does not have to be direct and linear.
 - It can be indirect, through another menu, via a graph, etc.

Multimedia over the Internet

François Fluckiger
CERN, Geneva

francois.fluckiger@cern.ch

European videoconferencing and streaming initiatives

Dr.ir. Egon Verharen
SURFnet

Contents:

- TF-STREAM
 - activities in videoconferencing and streaming
- European videoconferencing service
 - numberplan
- other initiatives
 - ViDeNet
 - I2 Commons
- SURFnet services and projects

Tutorials



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Desktop Video Conferences

Ivana.Pezelj@st.CARNet.hr
Albert.Novak@pu.CARNet.hr

CARNet

Discussion

- ⌘ How useful is it for my environment?
 - ❖ How much does it cost to implement
 - ❖ How much does it cost to use
- ⌘ How costly it is?
 - ❖ money, time, ...
- ⌘ How can videoconference challenge face-to-face communication?
- ⌘ What do I need now?
- ⌘ Now or never?



Successful use of intranets

Predrag.Pale@FER.hr

Questions to be answered

- who is the owner of an intranet
- is intranet a centralized or distributed solution
- turnkey intranet solutions vs. evolutionary (self)development
- which are the (best) tools for building an intranet
- what is the importance of visual design
- can anyone use intranet
- which support services are required
- how secure is an intranet
- how expensive an intranet might become
- what is an extranet

The ThinkQuest Program

A Tutorial

by

Vikas A. Sonak

Outline

- About ThinkQuest
- How to participate
- Teamwork
- Strategy
- Highs and lows
- Web site features
- Points to remember

Lectures



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Internet Surveys - Potentials For Use in Scientific Research

Mirta Galešić

Department of Psychology - University of Zagreb - Croatia

New ways of police communication

mr. sc. Miroslav Bača

dr. sc. Stipe Ivanda

mr. sc. Marijan Šuperina

We propose

- Every police officer must have an e-mail address in the police station,
- Every police station must have a www address inside the ministry of interior,
- Creating news groups inside the ministry of interior for the specialilization of the police work



Akademska in raziskovalna mreža Slovenije

Introducing Information and Communication Technologies to Schools in Slovenia

Tomi Dolenc

Academic and Research Network of Slovenia

tomi.dolenc@arnes.si

CUC, Zagreb, 24-26 September 2001



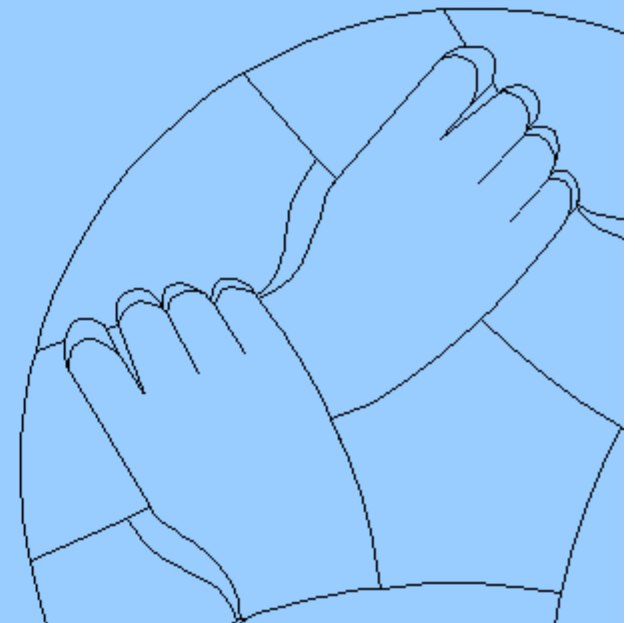
Schools on a frontline

Akademska in raziskovalna mreža Slovenije

- Interested in using new applications
- Demand for highly interactive communication
 - videoconferencing, distant teaching & learning
- Schools make good test-beds for ICT usage
 - technology in everyday's real life environment
 - maintenance, security risks
 - different levels of experience

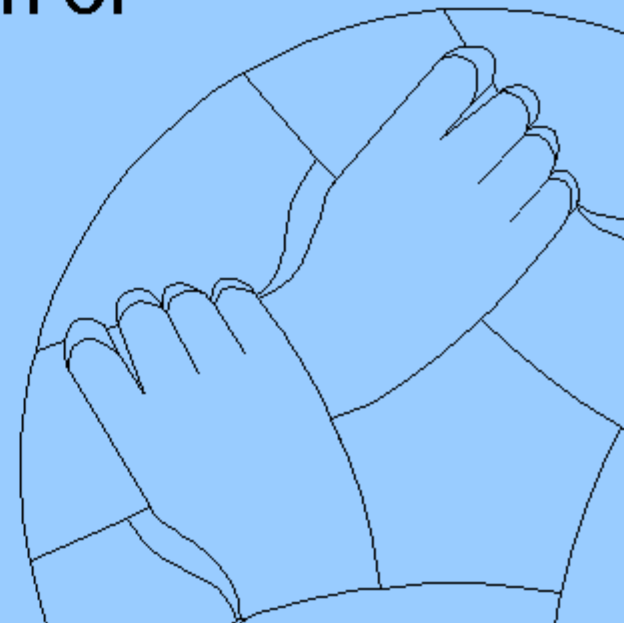
Developing an online workspace platform for asynchronous collaboration

Zeljko Klindzic
Zarko Vuckovic
Jasmin Klindzic



Conclusion

- Internet & W3 need to be improved
- Collaboration system needed
- The simplest & low cost solution of collaboration system is asynchronous, purely W3 based



Online Asynchronous Learner Discussion Forum

- u [Introduction](#)
- u [Methods](#)
- u [Results](#)
- u [Conclusion](#)

A New Collaborative Tool for Teaching Guided Discovery and Critical Thinking in Physiology

Sunčana Kukolja Taradi  skukolja@mef.hr

Milan Taradi  mtaradi@mef.hr

Department of Physiology and Immunology, Faculty of Medicine, University of Zagreb

Conclusion: General

Online asynchronous discussion forum benefits

- W [Introduction](#)
- W [Methods](#)
- W [Results](#)
- U [Conclusion](#)

Increased time for discussion

- ◆ gives time for reflection
- ◆ thoughtful, articulate responses
- ◆ allows for giving and accepting feedback
- ◆ allows students to seek clarification or help immediately the need arises

Gives "voice" to silent students - 100% participation

- ◆ provides a more egalitarian learning environment

Supports peer learning

Increased involvement with the course's content outside the regular classes

Transcript available for review and feedback

- ◆ enables instructors to see how the material is being intellectually interpreted and integrated by each student
- ◆ allows students to benefit from feedback from their fellow-students and the instructor



EU-INFO Hungary:

***„Daily updated information system of
agricultural and food marketing data
from the European Union
in the national language”***



Dr. László Papócsi
GAK Kht. Gödöllő, Hungary
St. Stephen University



Eu-info - Microsoft Internet Explorer

Cím http://www.eu-info.hu/ Ugrás

Hivalkozások A Web java Channel Guide Hivalkozások testreszabása Ingyenes HotMail Eaj Szerkesztés Nézet Kedvencek Eszközök Súgó



EU-Info

Közhasznú információs
szolgálat



Naponta, magyarul: hírek · rendeletek · jogszabályok · mezőgazdasági intézkedések · forráslehetőségek

Mai dátum: 2001. 9. 17. Start: 2000.11.9.

Mai napon a dokumentumok száma a (1) HÍREK adatbázisban: 1346db, (2) OJ Adatbázisban: 700db, (3) AGRIC adatbázisban: 1672db.

Szolgáltatások: Hírek Szóveg

Dátum: Hírek Közlöny Rendelet Adatbázis

Mind hó Mind nap

A rendeletek értelmezéséhez segítséget nyújtanak az EU termékpiac szabályozási rendszerének magyar nyelvű kiadványai. Az olvasáshoz szükséges lehet az ingyenes Acrobat Reader letöltése.

2001. 9. 17.

► **Strukturális reformokat vár Solbes - Magyarország célja a 2006-os eurózóna-tagság**

Magyarország, 2004-es EU-tagságot feltételezve, leghamarabb 2006-tól kapcsolódhat be az eurózónába is, amit céljának is tekint -- jelelte Járai Zsigmond MNB-elnök a budapesti "Euro 2002" konferencián. Pedro Solbes biztos utóbb a Világgazdaságnak nyilatkozva "teljesen korrektnek" minősítette az MNB elnökének megfogalmazását. Az Európai Bizottság gazdasági és monetáris ügyekben illetékes tagja ugyanakkor azt is hangsúlyozta: a jelöltek számára a csatlakozási felkészülés jelenlegi fázisában a strukturális reformok végigvitele kell, hogy a prioritás legyen.

Világgazdaság

Gyors Link AgrárVidék Hazai EU

2001. 9. 17.

► **Az EU közlekedési miniszterei a légi közlekedés szabályainak szigorítása mellett**

Az EU-tagországok közlekedési miniszterei a hét végén tartott rendkívüli ülésükön állást foglaltak a légi közlekedés biztonsági szabályainak szigorítása mellett mind az unión belül, mind nemzetközi szinten.

Agrárvidék

<p>FVM EU Int. Főo. FVM Vidékfej. Prog Főo. FVM Agr.gazd Phare Ir. OMGK SzIE EUTK Agrinet AKII MG Számla Rendszer AKII Tesztüzem Rendszer AKII Piaci Inform. Rendszer Pro Professione Kht.</p>	<p>DG VI, Biz. MG. Foigazg. Agenda 2000 / MG SAPARD ISPA LEADER program Struktúrális alapok Kohéziós Alap Regional Policy/Cohesion EU Növényfajta Iroda Mg.-i támogatás</p>
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Internet portál

<p>Európai Tájékoztatói Kp Külgügyminisztérium EU Info Központ (ITDH) BKIK Euro Info Service FVM EU szerver MKIK EU Integr. Iroda OMGK EU gyűjtemény Szolnoki EU Info Pont Európa webújság</p>	<p>Európa szerver Információs hálózatok EU Inform. Szolgálat EU Quick Link Page European voice I*M Guide Landmarks ECHO Állampolgári info Official Journal</p>
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Hírek

<p>EU Delegáció hírei Az EU szolgálatok</p>	<p>Eur-Op News SAPARD</p>
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Start | Eu-info - Microsoft Int... | 12:53

The Croatian Association of Paraplegics and Tetraplegics (HUPT) Web Site

Manda Knežević and
Janko Ehrlich Zdvořák

Hrvatska udruga paraplegičara i tetraplegičara (HUPT)

The Croatian Association of Paraplegics and Tetraplegics

- independent, non for profit NGO.
- Goal: to create network of people with para/tetraplegia and people who can actively help in order to increase the quality of life

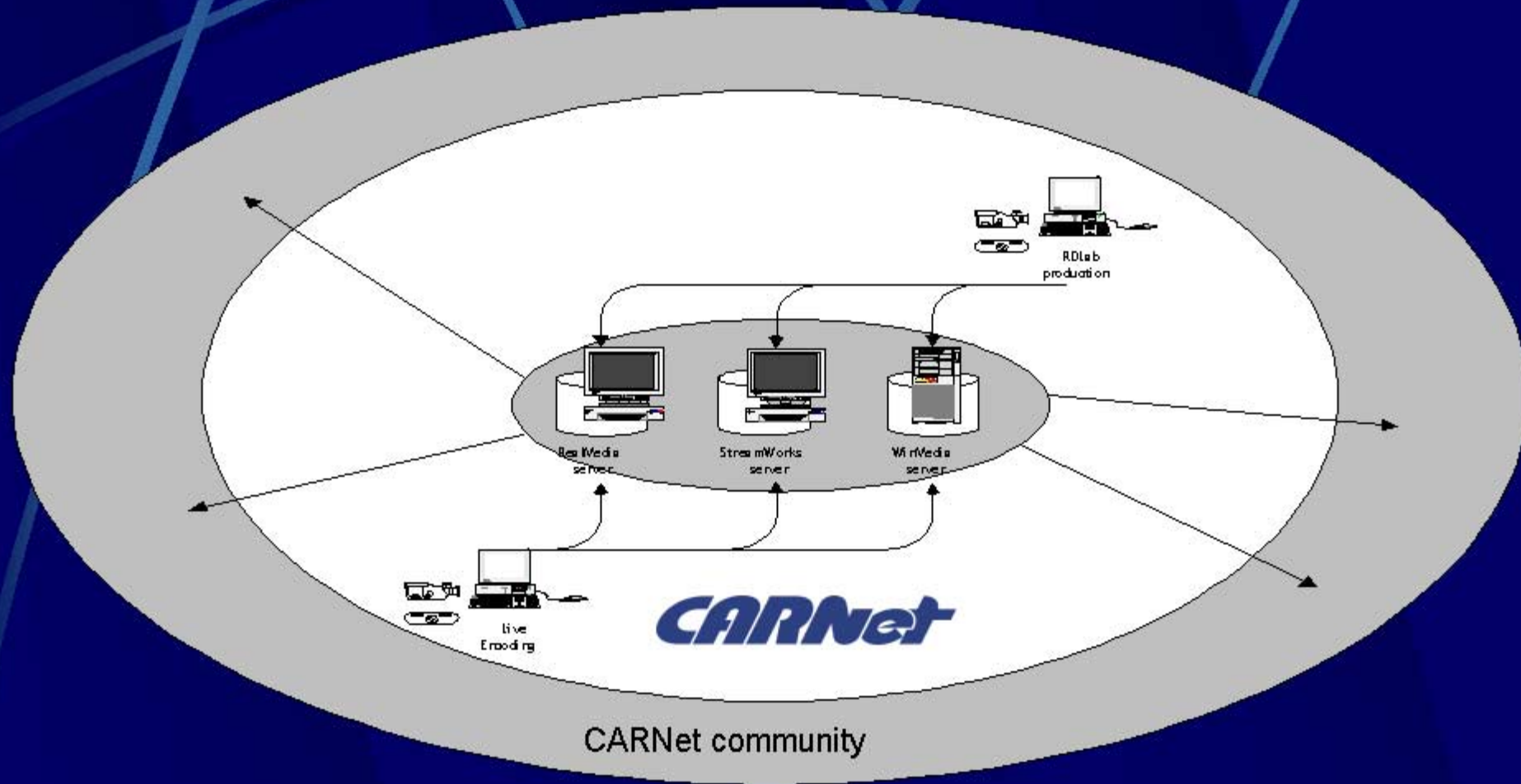


Setting up CARNet Media on Demand

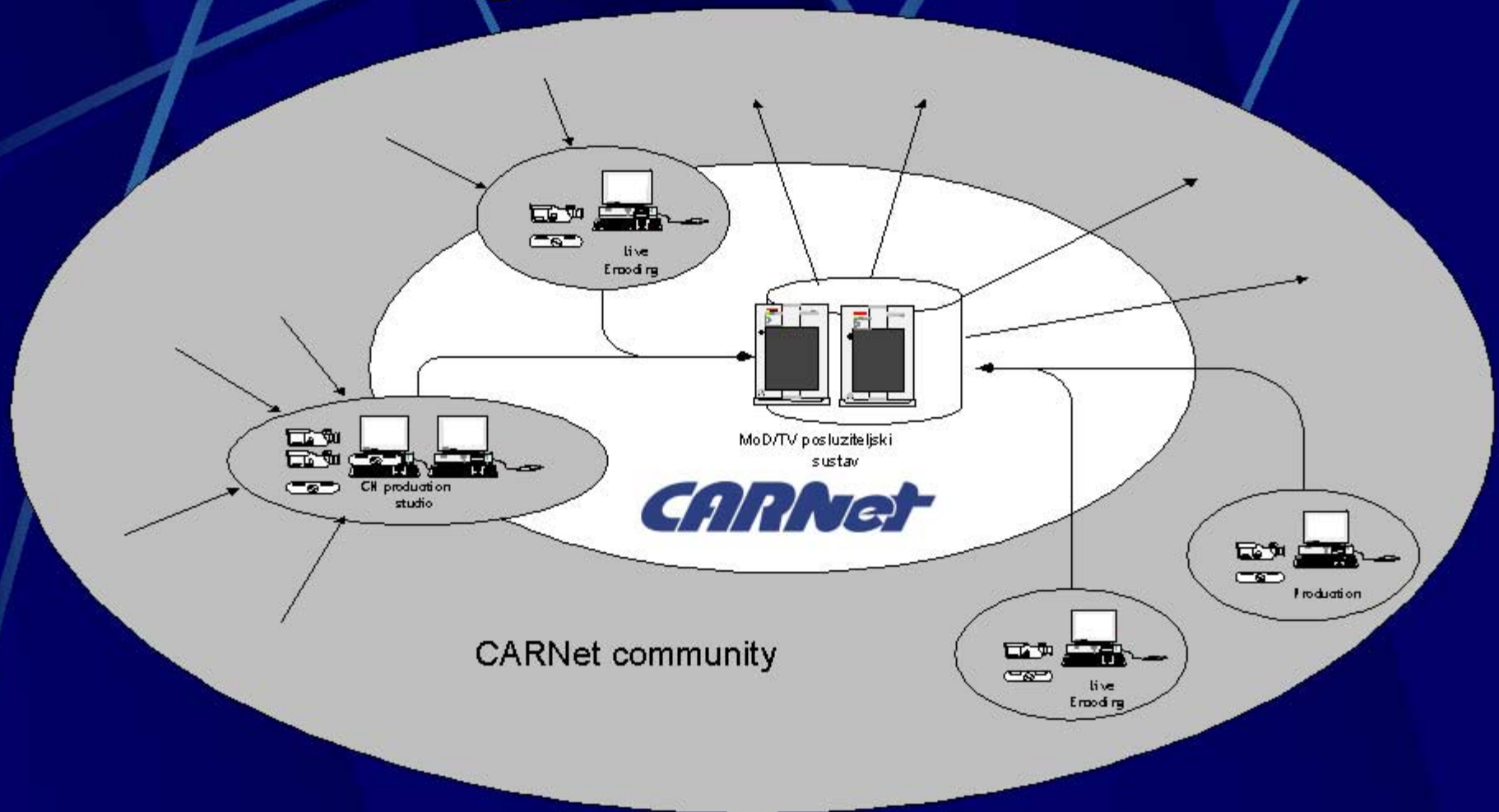
Zvonimir Zelenika
CARNet R&D Lab

zzelen@RDLab.CARNet.Hr

...in the beginning...



...quite soon...



Workshops



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Virtual Laboratories

Ivan Marsic

*Department of Electrical and Computer Engineering
and Center for Advanced Information Processing (CAIP)*

Rutgers — The State University of New Jersey

Piscataway, NJ 08854-8058 USA

<http://www.caip.rutgers.edu/~marsic>

Contents

- **Introduction and Requirements**
- **Java Beans** (½ hour)
 - Common software design patterns
 - Events, properties, persistence, and introspection
 - Levels of abstraction
- **Extensible Markup Language (XML)** (½ hour)
 - Concepts and examples
 - Extensible Stylesheet Language (XSL)
 - Bean Markup Language (BML)
- **UML Design for Virtual Laboratories on the Internet** (¾ hour)
 - Analysis
 - Design

Total duration: 2 hours (17:30 – 19:30)

Communication in Virtual Environments

Igor Pandžić

Linköping University
www.bk.isy.liu.se/staff/igor

Outline

- Goals of the workshop
- Virtual Environments and related topics
- Networked Collaborative Virtual Environments
- Virtual Environments on the Web
- Virtual Humans



How to create an Internet Community?

Table of contents

- Internet Community (IC)
- Technology
- What is communication?
- Technologies
 - Synchronous
 - Sync or Async?
- Tech by usage
- Tech by requirements
- Technologies
- ...



Forming of an Internet community

Phases - chronological

- define your goals
- learn about ICs (think of including a professional sociologist/communicologist)
- analyse who and where the potential community members are - do they belong to some other IC? - **Think of forming a clique and come to power! :-)**
- understand real reasons why would/wouldn't they join you
- invite people in the right way
- analyse their present knowledge of Internet collaboration and communication tools before imposing/suggesting it to the group (HULK irc example)
- define decision-making issues
- define resulting activity and keep track on how successful IC is
- analyse group member knowledge, skills and connections - divide them into working bodies if possible to make your IC more efficient!
- analyse ideas - have an idea-management system in your IC (Pliva)!

Acronyms are abbreviations, or words formed from the first letters of other words to express commonly used phrases.

AFAIK	AFK	AISI	AYST	BAK	BBL	BF	BOC	BOS/BR	BOT
BRB	BTW	CE	CMH	CUL	CUL8R	CWYL	DAC	DBA	DUCWIC
DYHWIH	E2EG	EOD	EOL	F2F	FAQ	FITB	FOAF	FTASB	FWIW
FYA	FYI	GA	GDAR	GF	GGN	GIGO	GIWIST	GMTA	GRUIT
HHOJ	HHOK	HTH	IAC	IANAC	IANAL	IBM	ICUR	IDBI	IDC
IDTS	ILIWTPCT	ILY	IMBO	IMHO	IMI	IMNSHO	IMO	IMVHO	INPO
IOW	IRL	JAM	JIC	JJ	KISS	KWIM	L8R	LLTA	LOL
LTNS	MCIBTY(SN)	MFG	MORF	MOTOS	MOTSS	MYOB	NBD	NERD	NIMBY
NRN	NTL	OATUS	OIC	OTC	OTOH	OTTOMH	OTW	OWTTE	POV
PPP	PTMM	PTUM	ROFL	ROTBA	RSN	SBT	SO	SOP	TANJ
TANSTAAFL	TCB	TCS	TGAL	TGIF	TIA	TINALO	TINAR	TINWIS	TLA
TOJ	TOY	TPTB	TTBOMK	TTFN	TTM	TTT	TTYL	TTYRS	TWIU
TY	UTC	UTT	WHAK	WMRS	WRT	WYSIWYG	YAOTM		

Internet's addictive properties

Internet as a time sink

- Do you feel preoccupied with the Internet (think about previous online activity or anticipate next online session)?
- Do you feel the need to use the Internet with increasing amounts of time in order to achieve satisfaction?
- Have you repeatedly made unsuccessful efforts to control, cut back, or stop Internet use?
- Do you feel restless, moody, depressed, or irritable when attempting to cut down or stop Internet use?
- Do you stay online longer than originally intended?
- Have you jeopardized or risked the loss of a significant relationship, job, educational or career opportunity because of Internet?
- Have you lied to family members, therapist, or others to conceal the extent of involvement with the Internet?
- Do you use the Internet as a way of escaping from problems or relieving a dysphoric mood (e.g. feeling of helplessness, guilt, anxiety, depression)?

Yes answers:

More than five (5) yes answers makes you **dependent** on Internet

How to organize and run audio/ videoconference

Zlatko Jelačić

CARNet Room Videoconferencing System

Zlatko.Jelacic@CARNet.hr

Outline



- Introduction in teleconferencing
- How to organize room VC system
- How to run audio/videoconference
- Planning VC
- VC tips

Panels



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a project of the Tides Center

Pew
& Internet
American Life

PROJECT

**Online Communities:
How Americans Use
e-groups to Connect with Each Other—Across
Distance and Across Town**

John B. Horrigan, Ph.D.

jhorrigan@pewinternet.org

202.557.3465

Pew Internet & American Life Project

Washington, D.C.

<http://www.pewinternet.org>

September, 2001



TF-STREAM Deliverables

- : Info site with tools, presentations and projects
ing networks
- : Glossary of terms
- : European Video Conferences
- : netw.infrastruct for distributing live streaming events across
- : Policy Document for publishing AV material in the public domain
nt issues
- : Web repository and index of publicly available AV material
- : Recommendation on best practice for generation of *metadata* in
o content creation
- : Best practice guidelines for streaming experiments
- : Clearing house of (multicast) monitoring tools
- : Diffserv experiment
- : security
- : workshops: (e.g. HQ streaming & VC)



NOKIA



Collaboration does not know boundaries
international video call should be as easy as local
telephone call/email
support for large multiparty conferences
– audio, video, data



September 26, 2001

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