



Gaza International Foundation for Peace on Earth

<http://tinyurl.com/25kl5n>



National Research Center – Gaza

www.palnrc.net



Islamic University of GAZA (IUG)

www.iugaza.edu.ps

GLOBAL UNIVERSITY SYSTEM/Palestine/Gaza Strip & West Bank

PILOT PROSPECTS



***BUILDING BLOCKS IN COOPERATION AND COLLABORATION FOR
BROADBAND CAPACITIES TO SUPPORT GLOBAL ELECTRONIC
DISTANCE LEARNING AND TELEMEDICINE***

Outlines

1. Goal and Objectives

- A. Deployment of broadband Internet which provides wireless last-mile connectivity,
- B. Providing e-learning, e-healthcare/telemedicine
- C. Leading community development,
- D. Conducting collaborative research and development, etc.

2. Expected Benefits

3. Sources of Funding

4. GUS/ Palestine/ GS & WB Technical View

5. One Laptop Per Child Computer Through INK Laptop Media and /or MIT

A. Deployment of Broadband Internet Which Provides Wireless Last-Mile connectivity

- The mission of GUS/Palestine/GS & WB is to create a worldwide consortium of higher learning and healthcare institutions in remote/rural areas of Palestinian communities with access to broadband Internet technologies
- The Palestinian institutions will be interconnected through broadband Internet, Each of the institutions would then be a hub of their Local Community Development Network (LCDN) which will connect the universities with secondary and elementary schools, libraries, hospitals, local government offices and NGOs, etc., by broadband wireless Internet at drastically discounted rates.

B. Global University System/ Palestine/Gaza Strip and West Bank E-learning

- Computer-mediated Communication,
- Active-learning type interactions,
- Instruction taking place at a distance, and
- Synchronous or asynchronous communication

C. Global University System/Palestine/Gaza Strip and West Bank Leading Community development

- **Palestinian Centers of Excellence for e-Health in Palestine (PCEEHP), partnerships in the system, serving isolated remote/rural communities and combating poverty and disease. The central objectives of PCEEHP are as follows:**
 - Develop a regional/national policy for e-Healthcare/Telemedicine.
 - Establish a functional institutional framework for e-Healthcare/Telemedicine in Palestine.
 - Build the necessary infrastructure and develop the human resource requirements for e-Healthcare/Telemedicine.
 - Improve the clinical resources for remote diagnostic and treatment.
 - Develop a reliable medical, nutrition and nursing database for use by doctors, dietitians and nurses in a confidential manner and thereby improve clinical effectiveness.
 - Contribute to world peace through improving living standards and health status.

D. Conducting Collaborative Research and Development, etc

- Identification of research, development and implementation of optimal pedagogy as well as applications of technology in the delivery of education and training for students and professionals with emphasis on devising mechanism for learner support,
- Opportunities to work on the development of advanced training and professional development programs that would enhance economic development,
- Joint programs and studies of the role of ICT in economic development and in particular the facilitation of entrepreneurial initiatives.
- Collaborative research among the participating institutions with the use of mini supercomputers.

2- Expected Benefits

- It is expected that GUS will provide the following benefits to students and participating universities:
 - Broadband Internet connection, supporting modern distance education via the World Wide Web.
 - Help member universities build a network of facilitators to support e-learners.
 - Learners may take courses from different member universities, obtaining their degree from the GUS, thus freeing them from being confined

3- Sources of Funding

- GUS projects will combine :
 - the Japanese government's Official Development Assistance (ODA) funds and
 - Japanese electronic equipment with
 - (a) the Internet technology and
 - (b) content development of North America and Europe,

African Virtual University An Example of a Potential User



Al-Azhar University workshop–Gaza Strip July 12 to 14, 2007

Front –left row: Vice President, President, USAID and AMIDEAST



GUS/ Palestine/ Gaza Strip & West Bank

Video Conference e-learning between Gaza and West Bank

Within e-Learning Video Conference, we discussed possibility to create GUS/ GS &WB



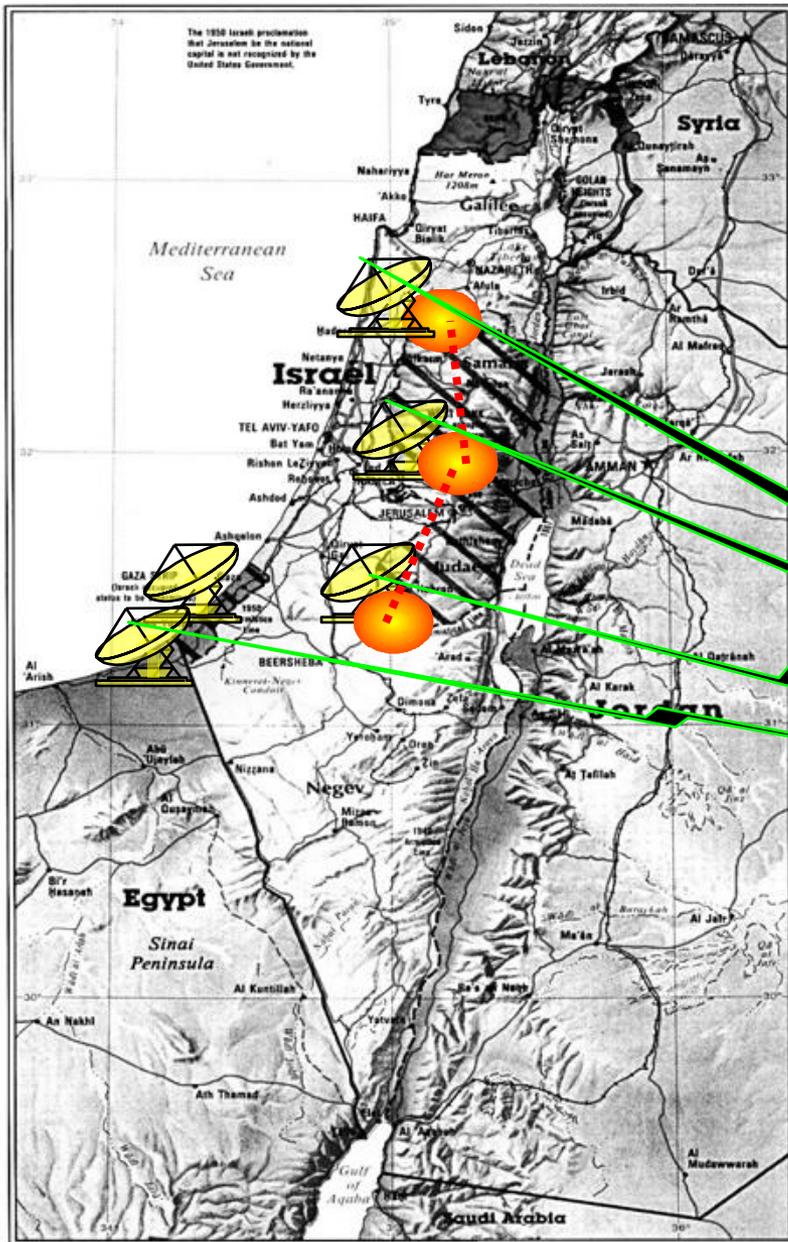
Video Conference e-learning between Gaza and West Bank



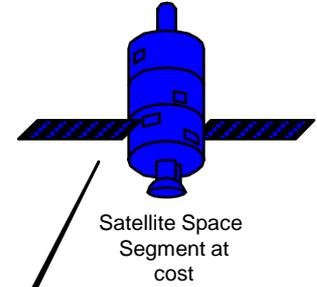
GUS/ Palestine/ Gaza Strip & West Bank

4- GUS/ Palestine/ Gaza Strip & West Bank

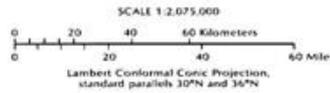
Technical View



Palestinian Authority: GUS/ Palestine/ Gaza Strip & West Bank

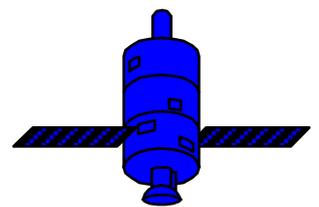


- International boundary
- ★ National capital
- District center
- Railroad
- Expressway
- Road
- - - Track



GUS/ Palestine/ Gaza Strip & West Bank

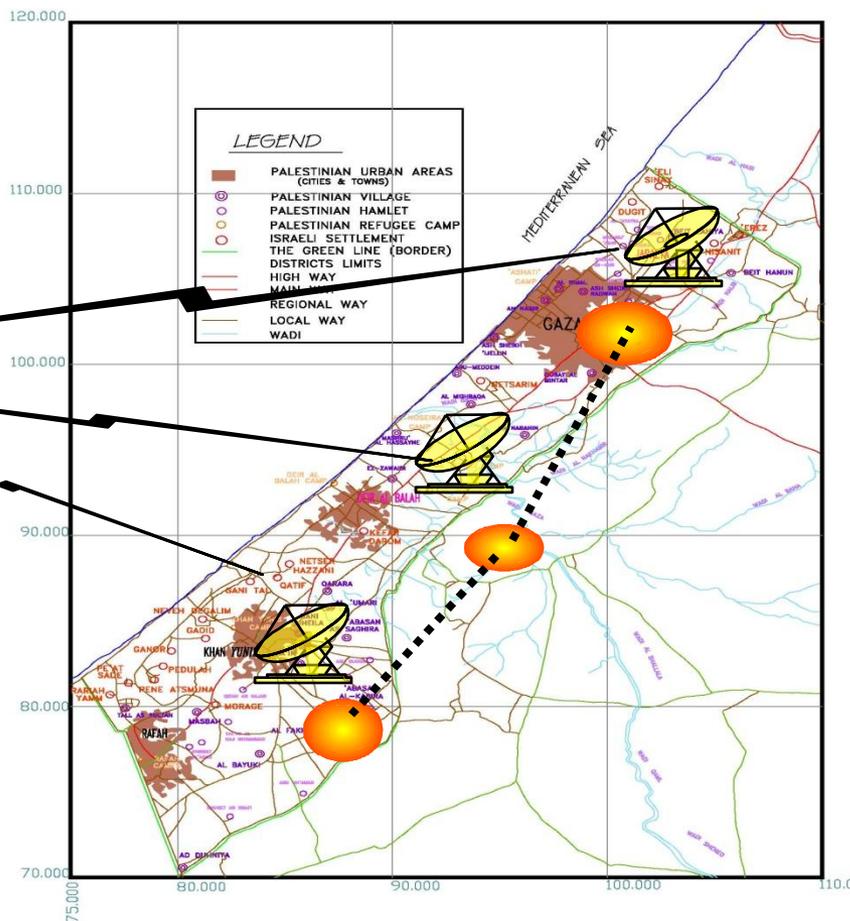
GUS/ Palestine/ Gaza strip



Satellite Space Segment at cost



Different Palestinian Institutions can be locally Connected together using WiMAX, then each of them connected to the Central station via Satellite

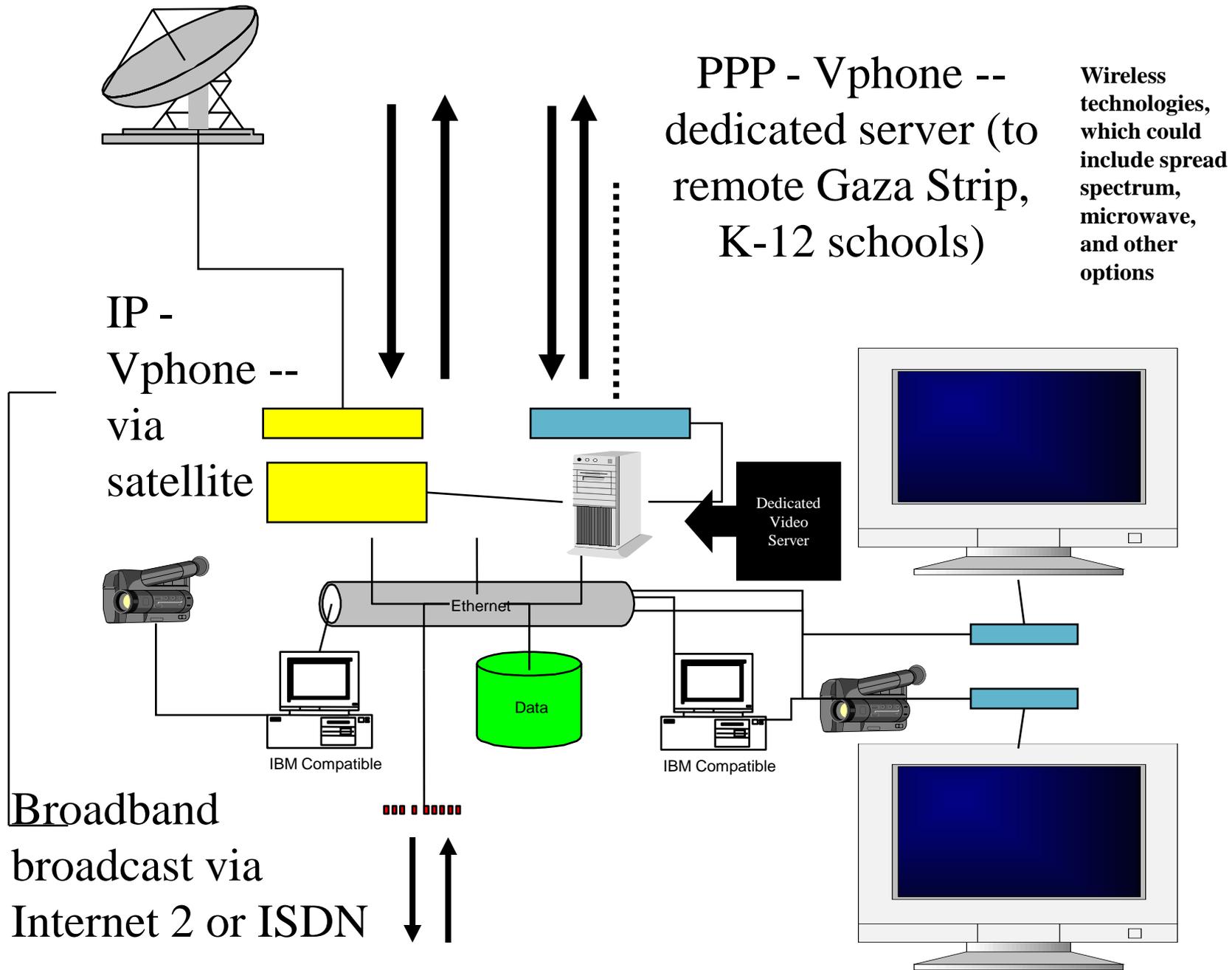


Central Station in Gaza



Local Station in Gaza

GUS/ Palestine/ Gaza Strip & West Bank

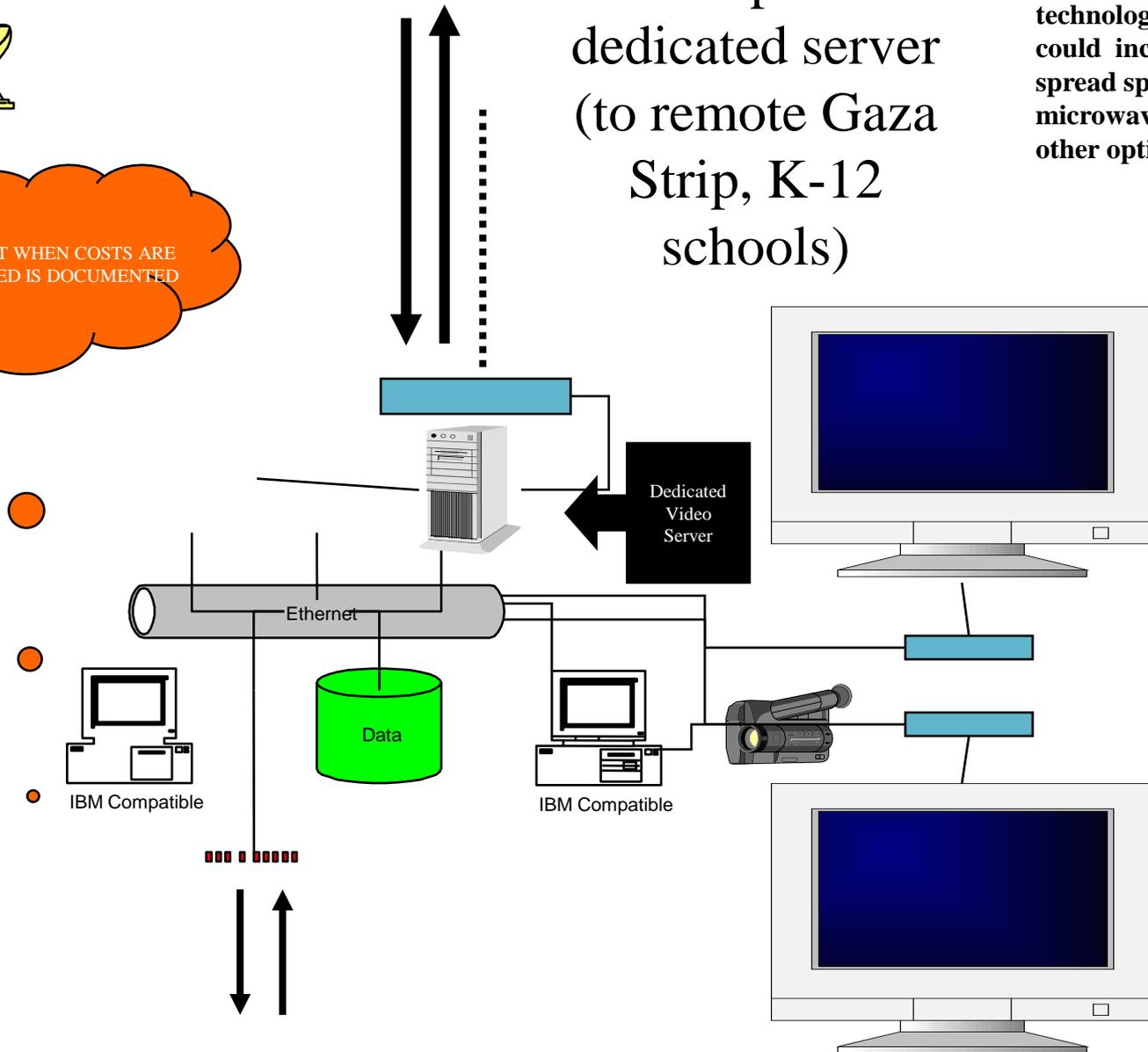




FUTURE BUILDOUT WHEN COSTS ARE REDUCED AND NEED IS DOCUMENTED

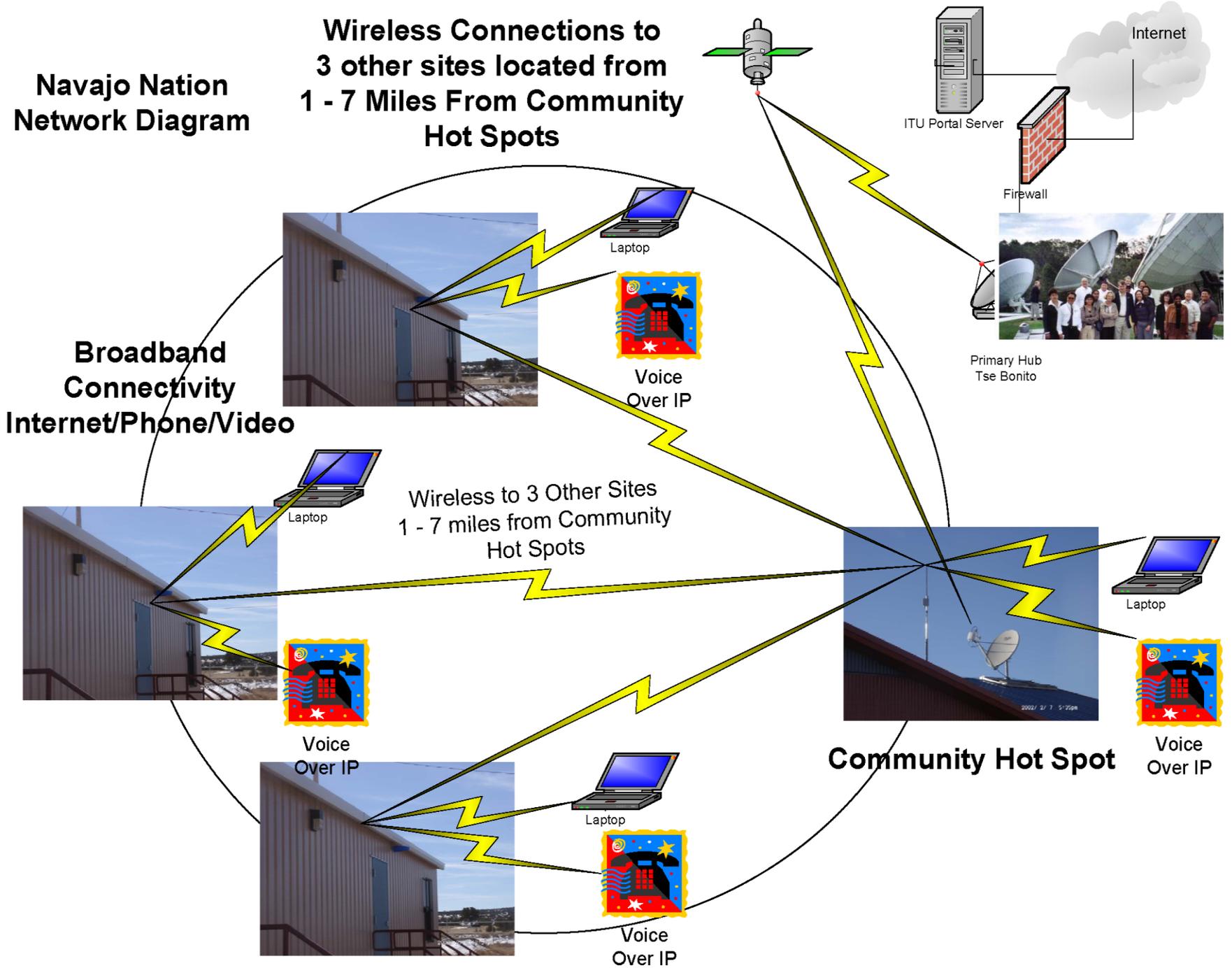
PPP - Vphone --
dedicated server
(to remote Gaza
Strip, K-12
schools)

Wireless
technologies, which
could include
spread spectrum,
microwave, and
other options



Navajo Nation Network Diagram

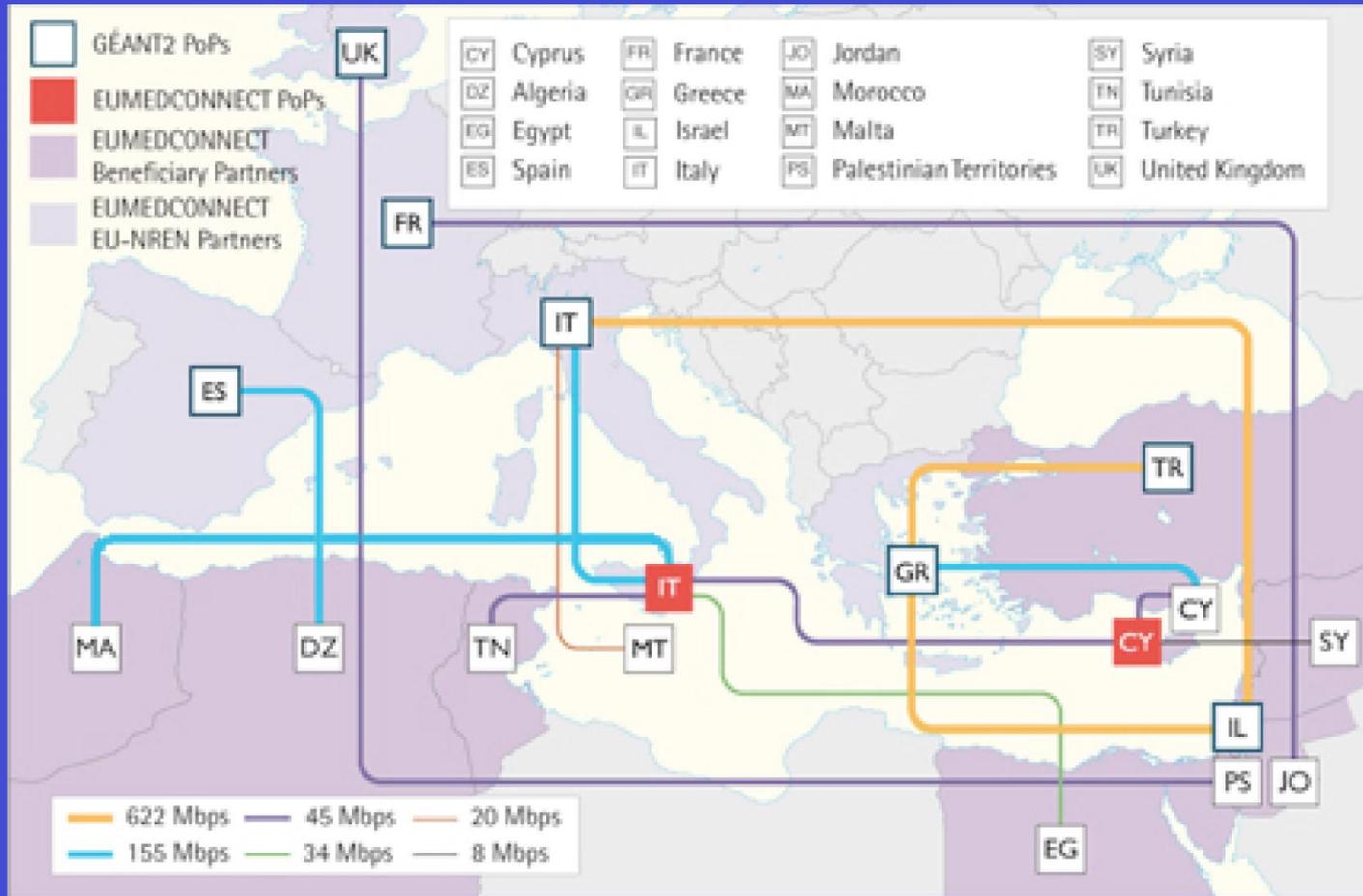
Wireless Connections to 3 other sites located from 1 - 7 Miles From Community Hot Spots



EUMEDCONNECT Network

(March, 2007)

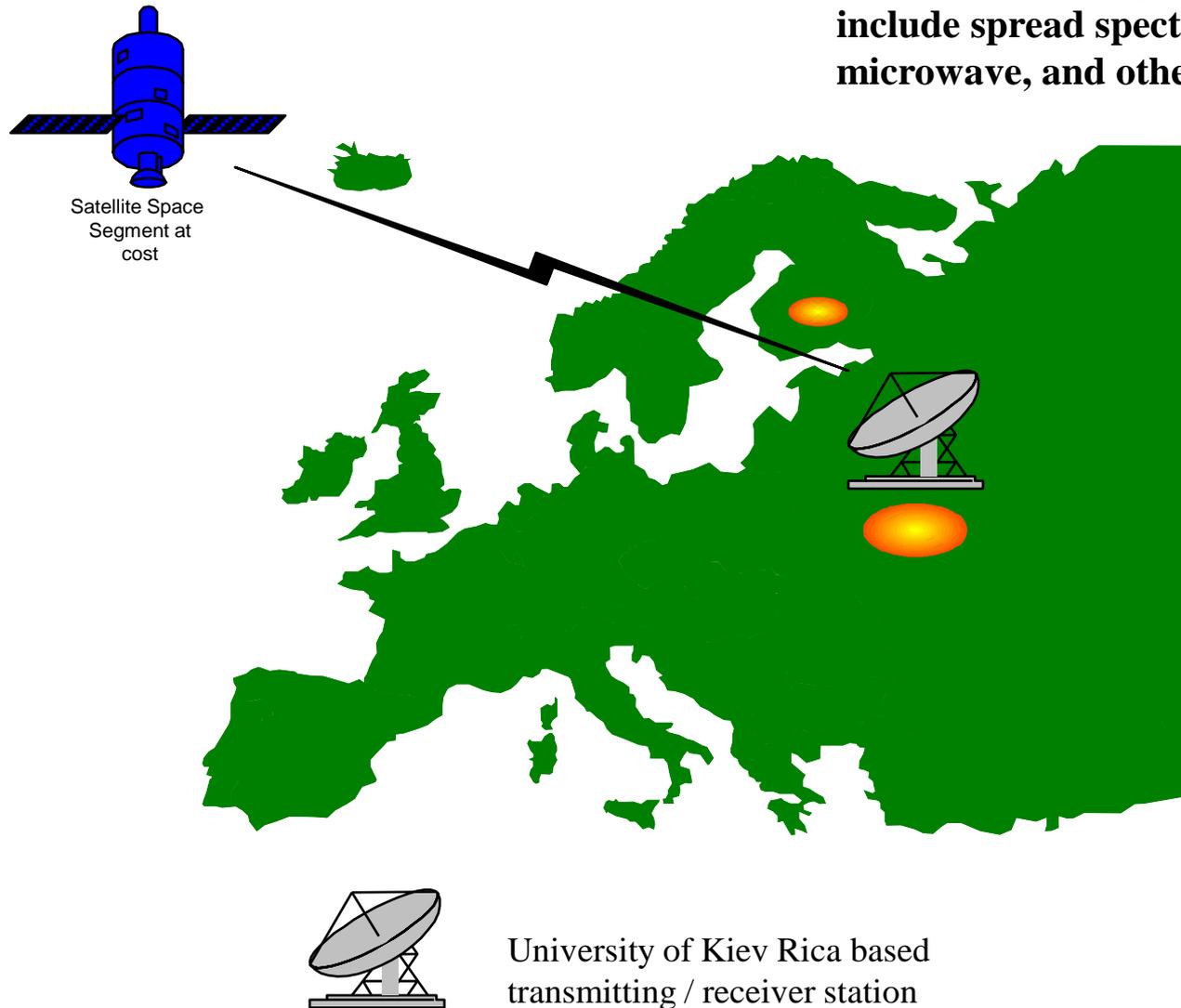
<http://www.eumedconnect.net/server/show/conWebDoc.727>



GUS/ Palestine/ Gaza Strip & West Bank

Sample: UNIVERSITY OF KIEV

Wireless technologies, which could include spread spectrum, microwave, and other options



5- One Laptop Per Child Computer Through INK Laptop Media and /or MIT

Portable
Powerful
People Driven



A computer that
will change the world.

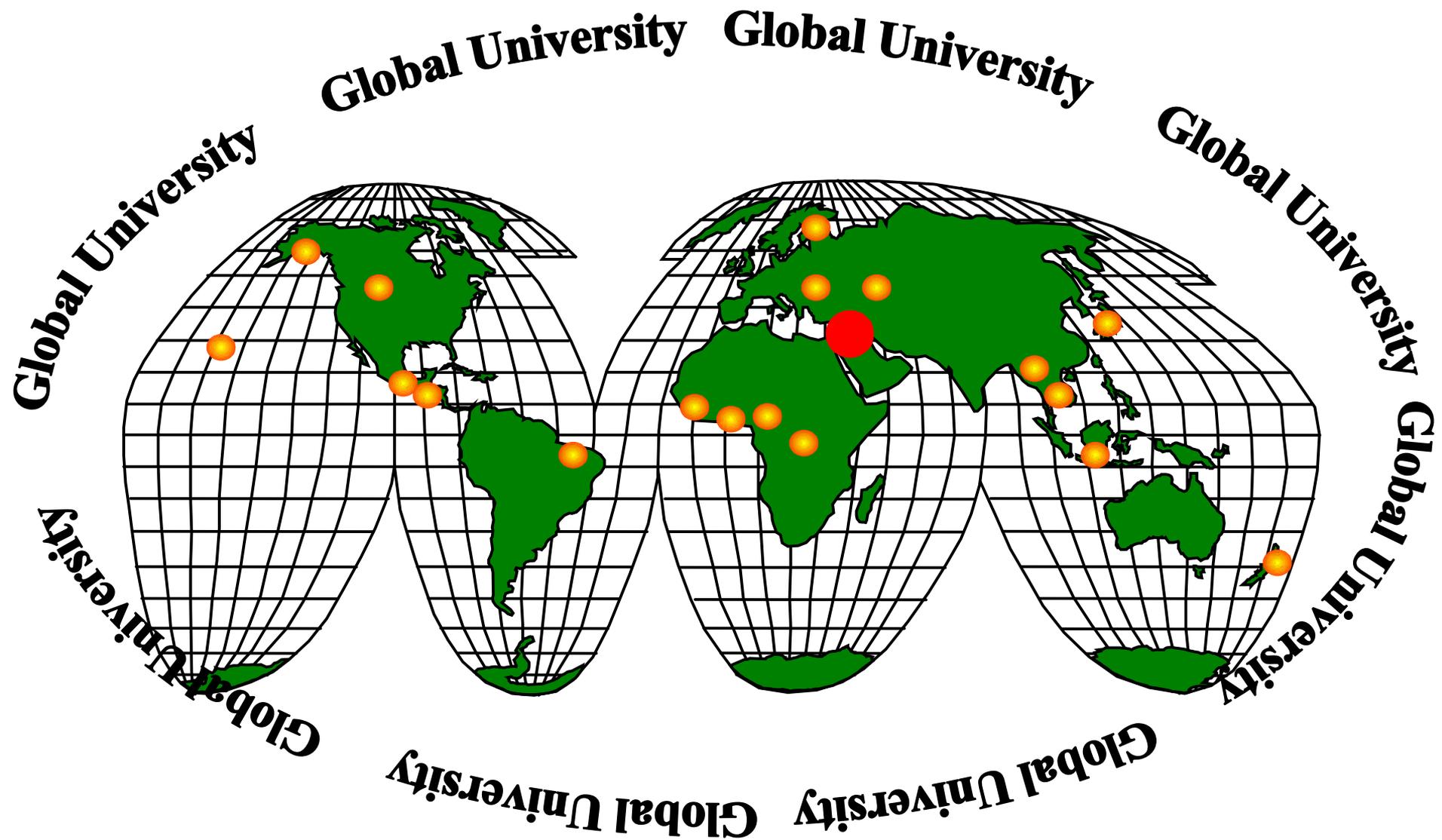

InkMedia
Tell me more

**Global University system/
GS & WB
Palestinian laptop per
child**



Laptop hardware capabilities:

- **Office and Educationally oriented programs:**
 - Word processing (similar to Microsoft Word)
 - Spreadsheet (similar to Microsoft Excel)
 - Presentation software (similar to Power Point)
 - Drawing program
 - Web Design program
 - Text Editor
- **Communications programs:**
 - Internet Browser
 - E-Mail
 - Web Meeting
 - Instant Messaging
 - Voice Over Internet Protocol (VOIP)
 - File Transfer Protocol (FTP)
- **Graphics Programs:**
 - Vector Drawing
 - Paint Program
 - PDF Creation (similar to Adobe Acrobat) and Publishing program



● GUS/ Palestine/ Gaza Strip & West Bank

**Thank You;
and
God Bless All
<http://tinyurl.com/25kl5n>**

Global Leader

**“The great leaders of tomorrow will be the
ones who understand how to get everyone
to participate.”**

FORTUNE, January 25, 1993