

Global Social Transformation

All of us, as a society, are witnessing an extraordinary historical transition between the Industrial Age and the Information -- or Digital Age.

When a society's fundamental technologies change and its economy begins to transform, the political and social institutions inevitably follow.

In this new era, nothing will be as important as **education**. The current educational systems of the developed world -- suited to the requirements of the masses of the Industrial Age -- is becoming **obsolete**. We, and our children, need to be prepared.

With multimedia personal computers, learning will become **interactive** and **individualized**.

The man-in-the-street and politicians alike are asking the same questions -- **where are we** and **where are we going?**

Dawn of 21st Century

1. Digitalization

Analog to Digital

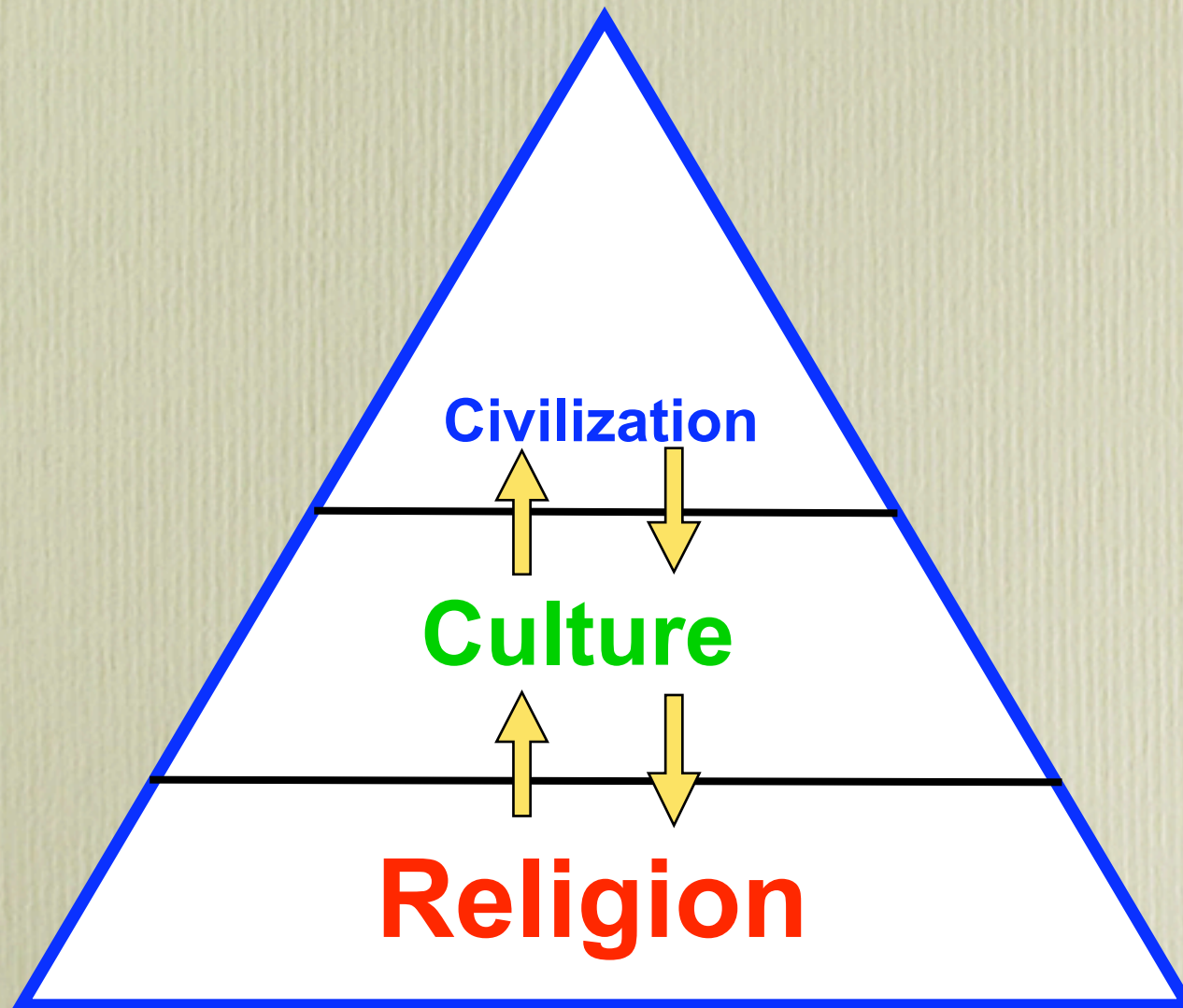
2. Globalization

Local to Global

3. New Economy

Obedience to Creativity

Hierarchy of Civilization, Culture and Religion



Global University System (GUS) - A

The Global University System (GUS) is a worldwide initiative to create telecommunications infrastructure for access to educational resources across national and cultural boundaries for global peace.

GUS aims to create a worldwide consortium of universities to provide all world citizens, with special emphasis on the underdeveloped world, with access to 21st Century education via Internet technologies.

Global University System (GUS) - B

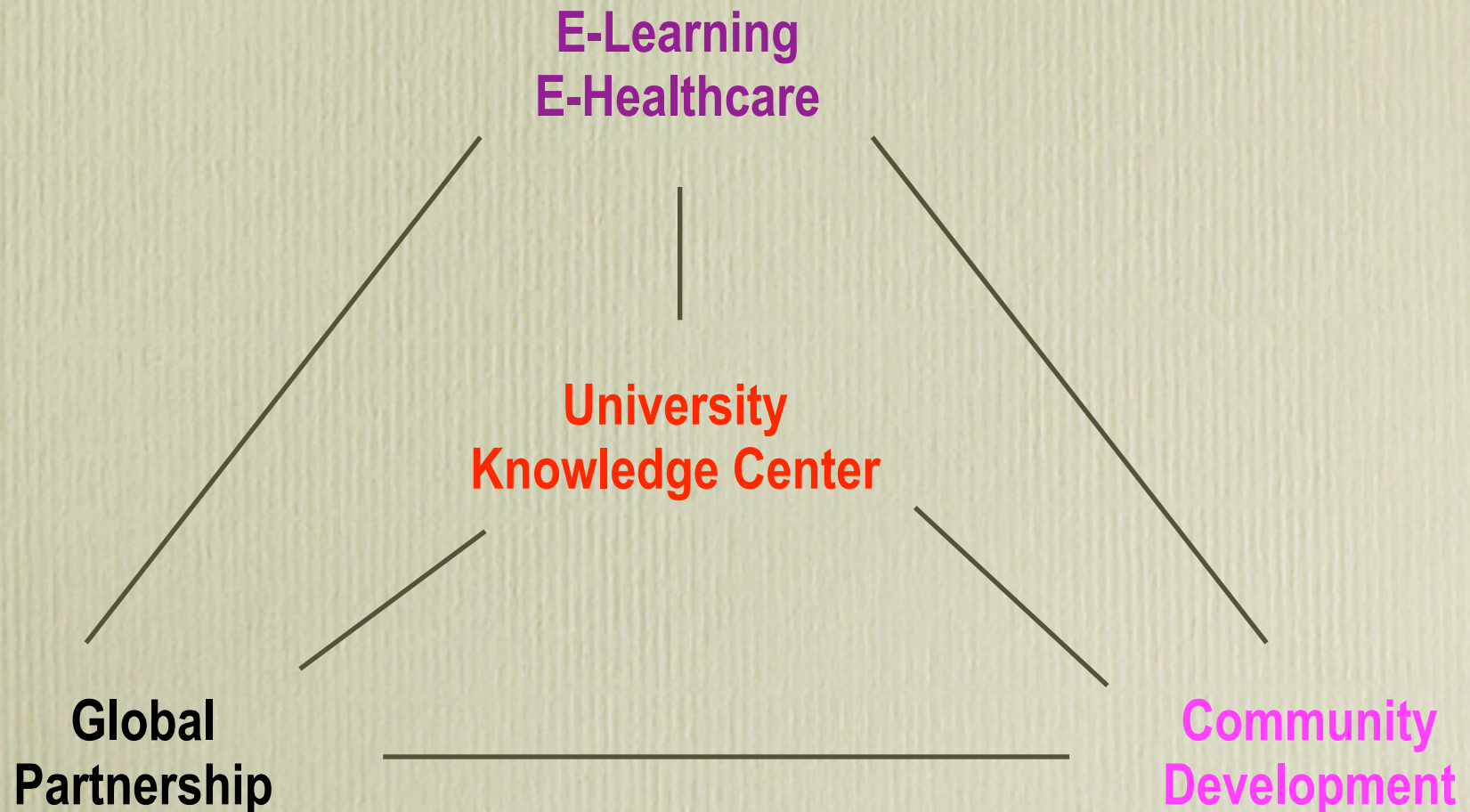
The GUS works in the major regions of the globe with partnerships of higher education and healthcare institutions.

Learners in these regions will be able to take their courses from member institutions around the world to receive a GUS degree.

These learners and their professors from partner institutions will also form a global forum for exchange of ideas and information and for conducting collaborative research and development with emerging global GRID computer network technology.

The aim is to achieve “education and healthcare for all,” anywhere, anytime and at any pace.

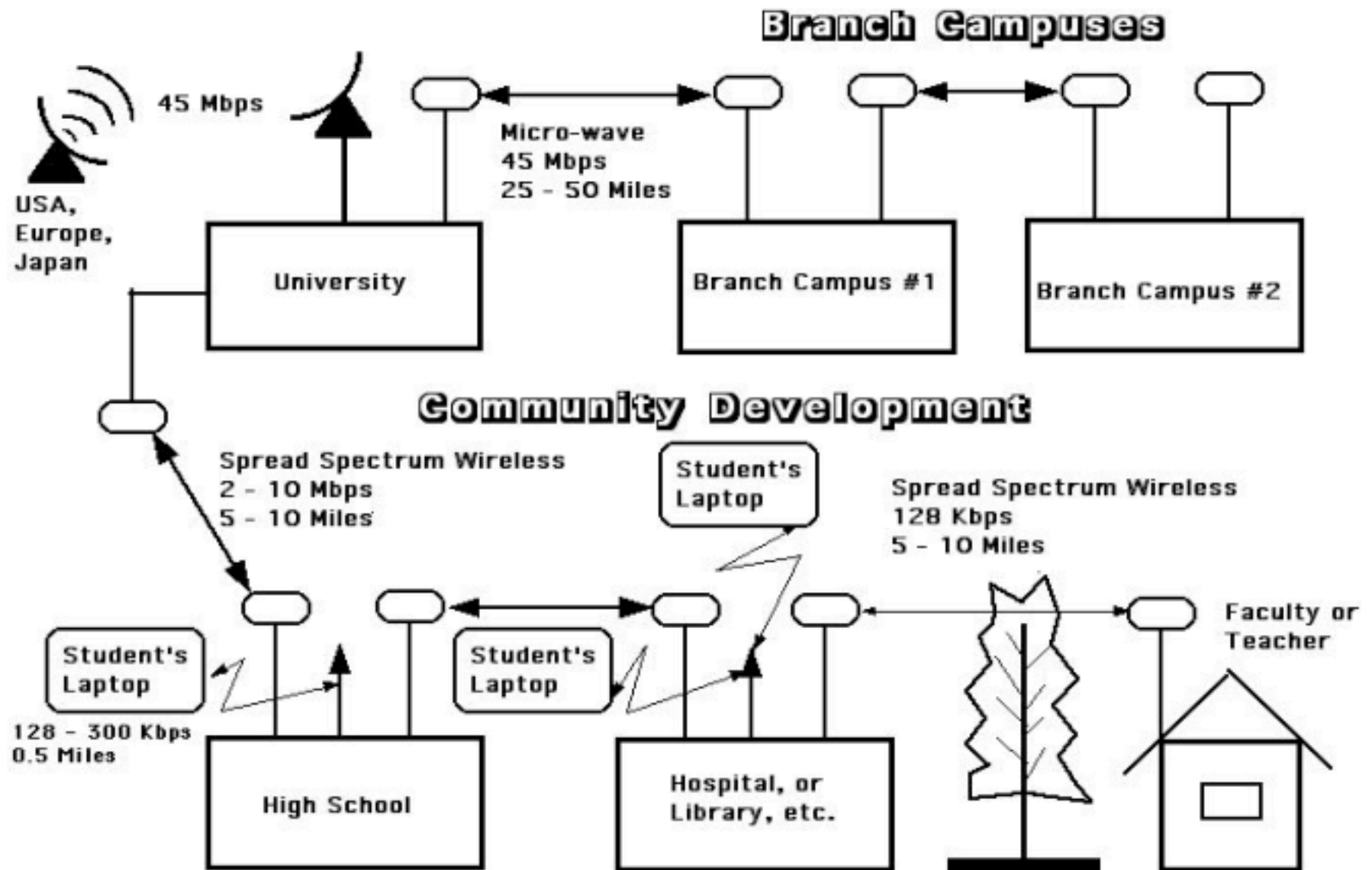
University: Leader of Community in the Knowledge Society in the 21st Century



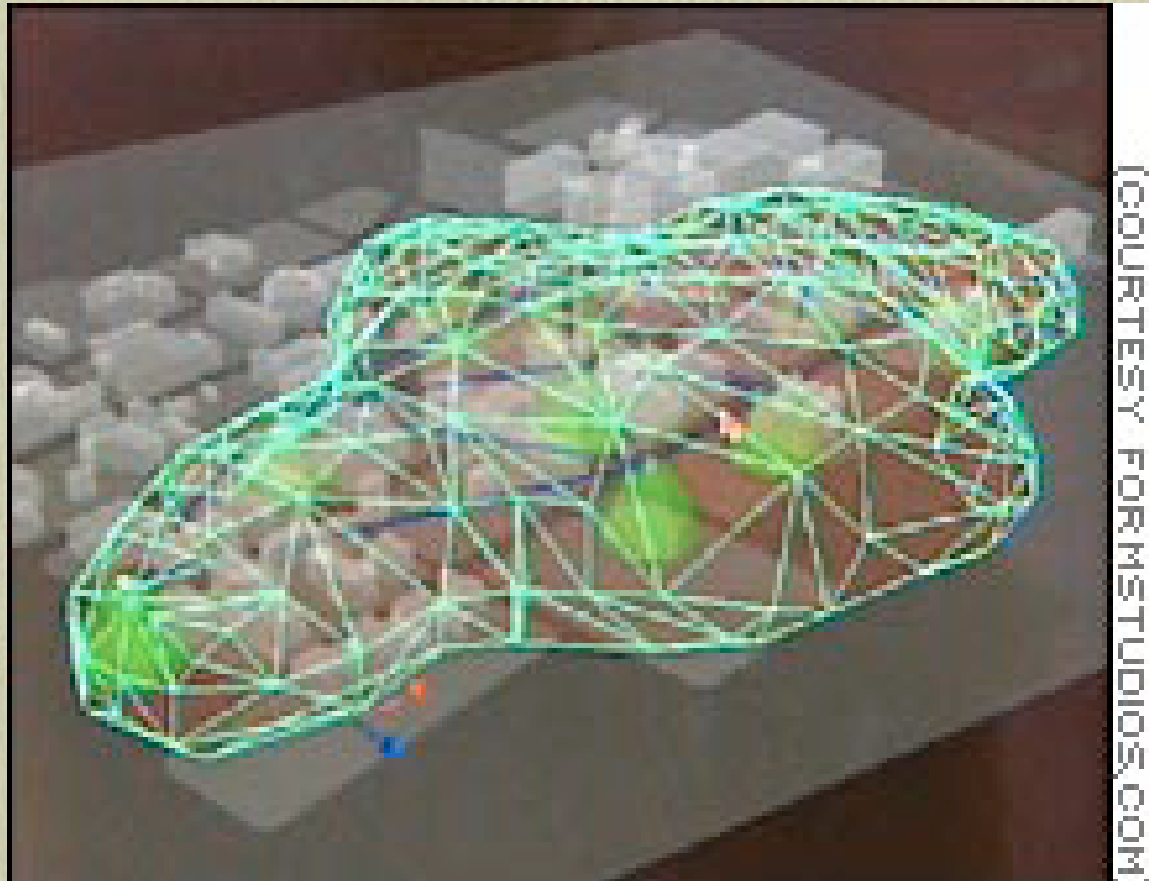
Global Broadband Internet (GBI)

Virtual Private Network with QoS

Global Broadband Wireless and Satellite Internet Virtual Private Network (11-9-02)



WiFi Cloud



This 3-D animation shows the wireless "cloud" over downtown Athens, Georgia. The project is aimed at attracting new users and creating new content for wireless laptops and PDAs.

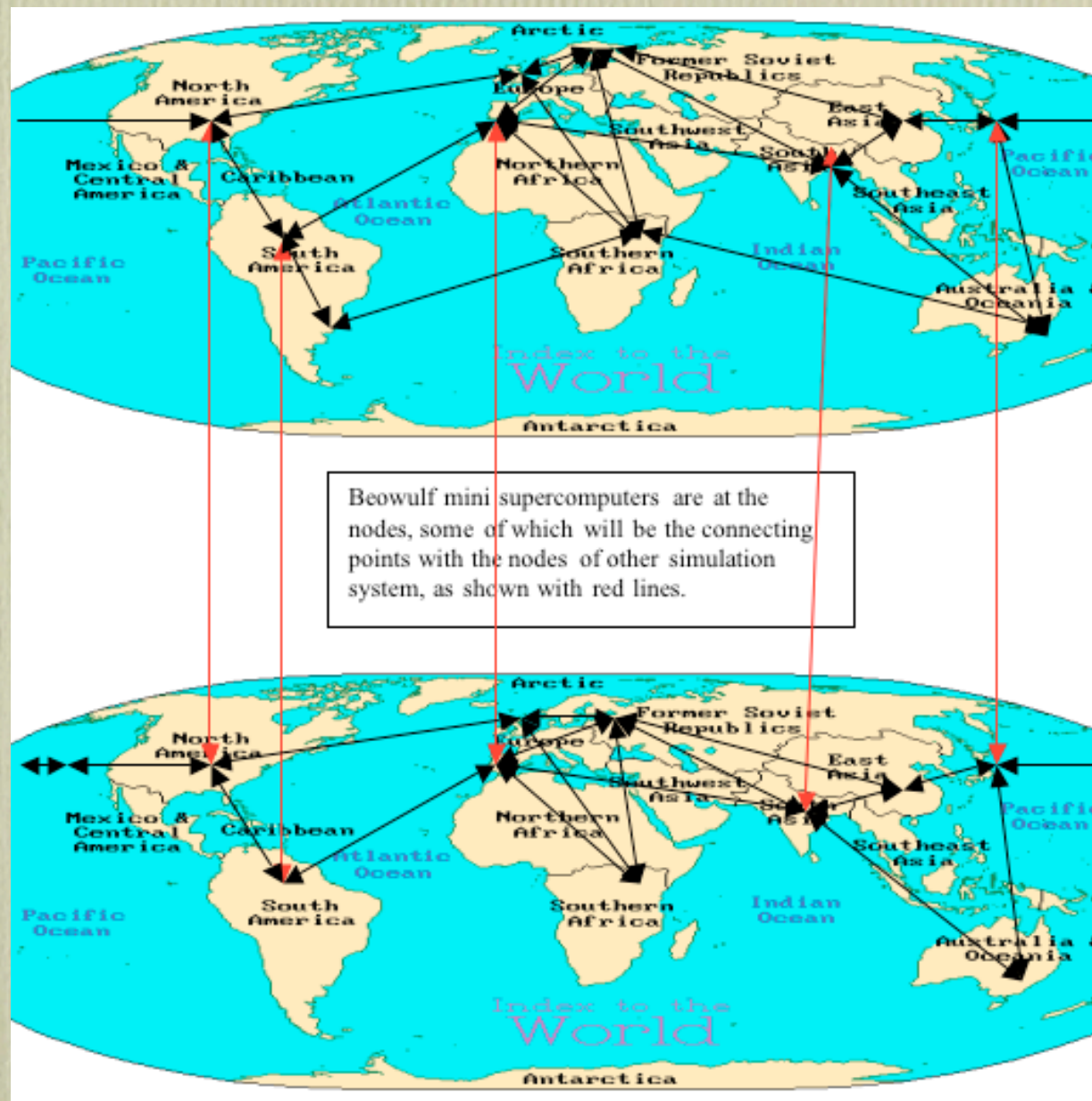
"Wireless 'cloud' may offer silver lining; Or is it just 'pie-in-the-sky' technology?"

CNN.com/SCI-TECH; July 31, 2002

<http://www.cnn.com/2002/TECH/science/07/31/coolsc.wireless.cloud/index.html>

Globally Collaborative Environmental Peace Gaming (GCEPG)

Globally Distributed Climate Simulation System



Globally Distributed Socio-Economic-Environmental Simulation System

Financing

- During the Okinawa Summit in July of 2000, Japanese government pledged **US\$15 billion** to close the digital divide in developing countries and for the eradication of poverty and isolation.
- During the G8 Summit in Canada in June of 2002, and at the Environment Summit in South Africa in September of 2002, they also pledged another **US\$2 billion** to aid education and healthcare in developing countries, respectively.

Financing

(continued)

- GUS projects will combine (1) the **Japanese** government's Official Development Assistance (ODA) funds and (2) Japanese electronic equipment with
- (a) the Internet technology and (b) content development of **North America and Europe**,
-
- to help underserved people in rural and remote areas of developing countries by closing the digital divide.

GLOSAS Projects

**(GLObal Systems Analysis and Simulation
Association in the U.S.A.)**

Takeshi Utsumi, Ph.D., P.E.

-  **Chairman, GLOSAS/USA**
-  **Laureate of Lord Perry Award for Excellence in
Distance Education**
-  **Founder and V.P. for Technology and Coordination
of Global University System (GUS)**
-  **<http://www.friends-partners.org/GLOSAS/>**

Click “**Current Reference Websites**” in the home page listed above.