If you have good friends over all continents, the entire world would be like your neighborhood.
Challenges for the New Millennium

- Population Explosion
- Depletion of Natural Resources
- Damage Done to Our Living Environment
First Industrial Revolution: Beyond the Limit of Muscle Power

Second Industrial Revolution: Beyond the Limit of Brain Power
Dilemma We Are Facing Today

- Globalization of World Economy, Information and Environmental Problems
- Fierce High Tech Based Economical Competition
- Sharing and Not Sharing of Scientific Knowledge and Technology
From the Point of View of Global Warming Trend

- Countries Can Be Divided into Overdeveloped and Not Yet Overdeveloped Countries
- For the Third World Countries, They Have to Turn Back Before They Can Catch Up
Impact on Developing Countries

- **Leapfrogging opportunities**
  - End of geographical border
  - Globalization of small and medium size businesses
  - Improve service quality and efficiency of public sector
  - People participating public affairs and democratization

- **Challenges**
  - Difficulties of building advanced information infrastructure
  - The sources of development funds
  - Knowledge economy is extremely human intensive
Building Virtual Network Community

- Internet will provide a powerful and versatile environment for business, education, culture, and entertainment.

- Grass root community action is the onset to change the world.
The Only Solution

- Entire World Has to Think and Act Together for Mutual Benefits
- Tearing Down the National Boundaries: Formation of a True Global Village
- Sustainable Development of Various Regions Based on Their Ecology
EduCities
The Network Learning Society
Ubiquitous accessibility of unlimited learning resources

- Electronic Books
- Digital Libraries
- Museums
- Student Database

- Content
- Fellow Learners
- Teachers
- Volunteers
- Parents
- Educational Agents
- Cognitive Tools
- Expensive Equipment

Computation
EduCities

- City and citizen metaphor
  - promote achieving network society
- Teacher and student journals
- School-for-all
  - nurturing lifelong active learning
- Model of closely coupled collaboration of social sectors
Distributed and layered architecture
One Person One Class?