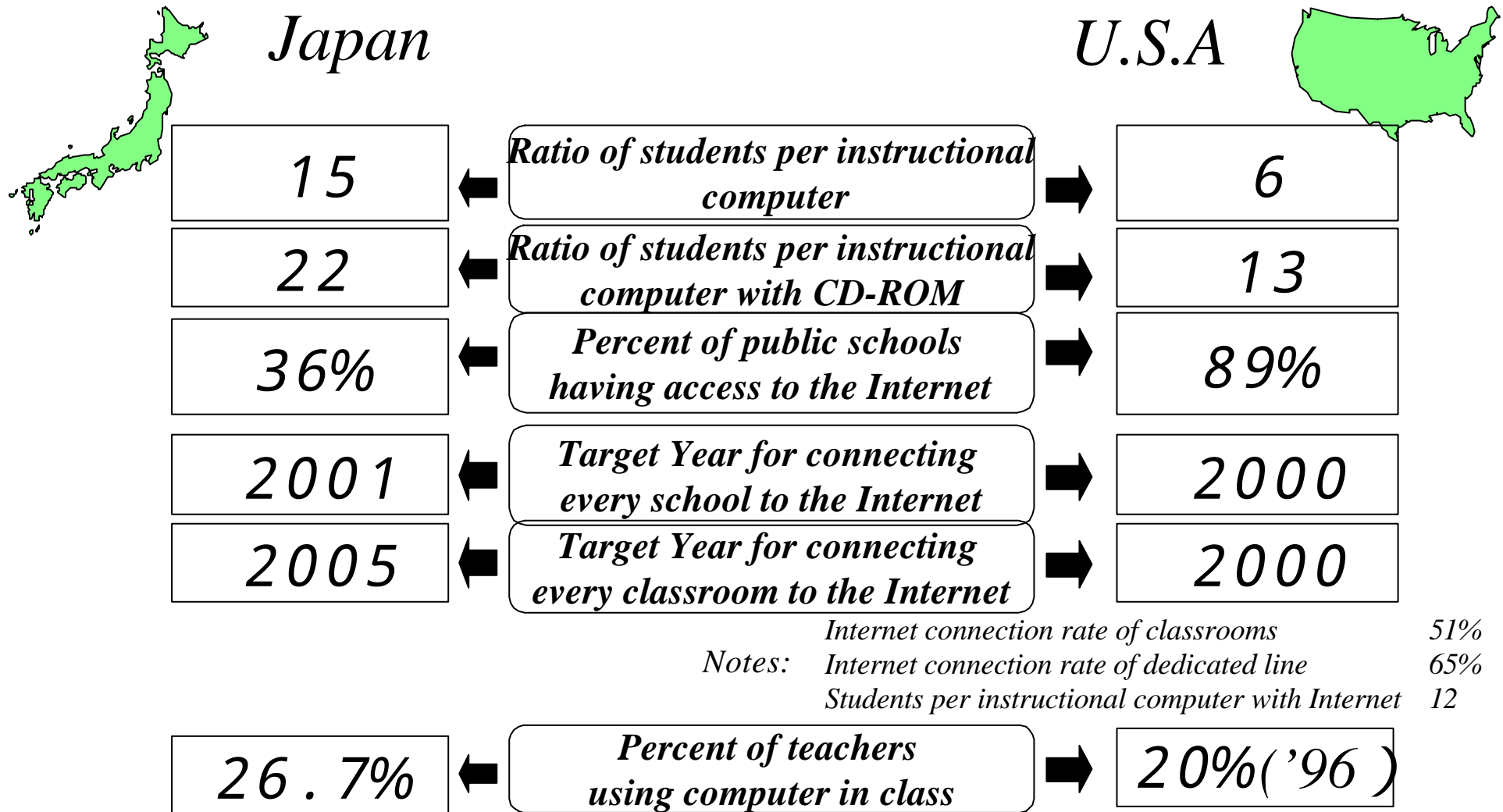

7th International Conference on Computers in Education
- New Human Abilities for the Networked Society -
“MITI's Proposal for Educational Reform”
- Learning Web Project -

November 5, 1999

MITI

The Comparison of Internet Access in Public Schools and Classrooms between Japan and U.S.A



Investigation into the actual condition of using IT in Public Schools, MOE, March 1999
 Internet Access in Public Schools and Classrooms, National Center for Educational Statistics, Feb. 1999
 Market Data Retrieval Report, Market Data Retrieval, 1998

Japanese Educational Projects using the Internet

1. The 100-School Networking Project (1994 ~ 1998)

(2.5 Million \$ per year, 1998)

2. Developing Advanced Educational Software

- Learning Web Project - (1998 ~ 1999)

(100 Million \$ out of FY.1998 supplementary budget, MITI)

3. Advanced Educational Networking Project

among 1050 schools (1998 ~ 2000)

(250 Million \$ out of FY.1998 supplementary budget, MPT)

4. E square Project (1999 ~ 2001)

(2.5 Million \$ per year, 1999)

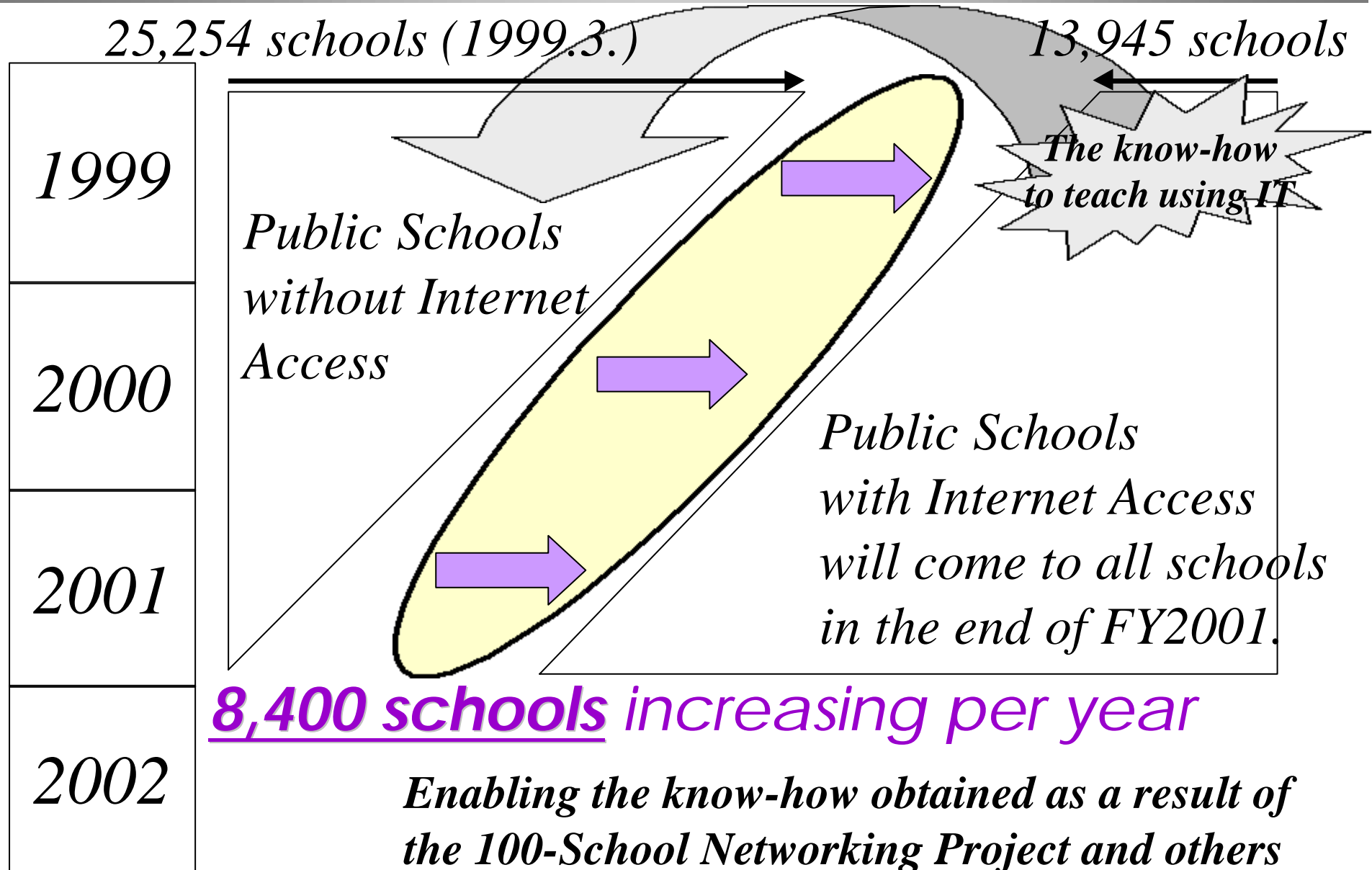
E square (e²) Project



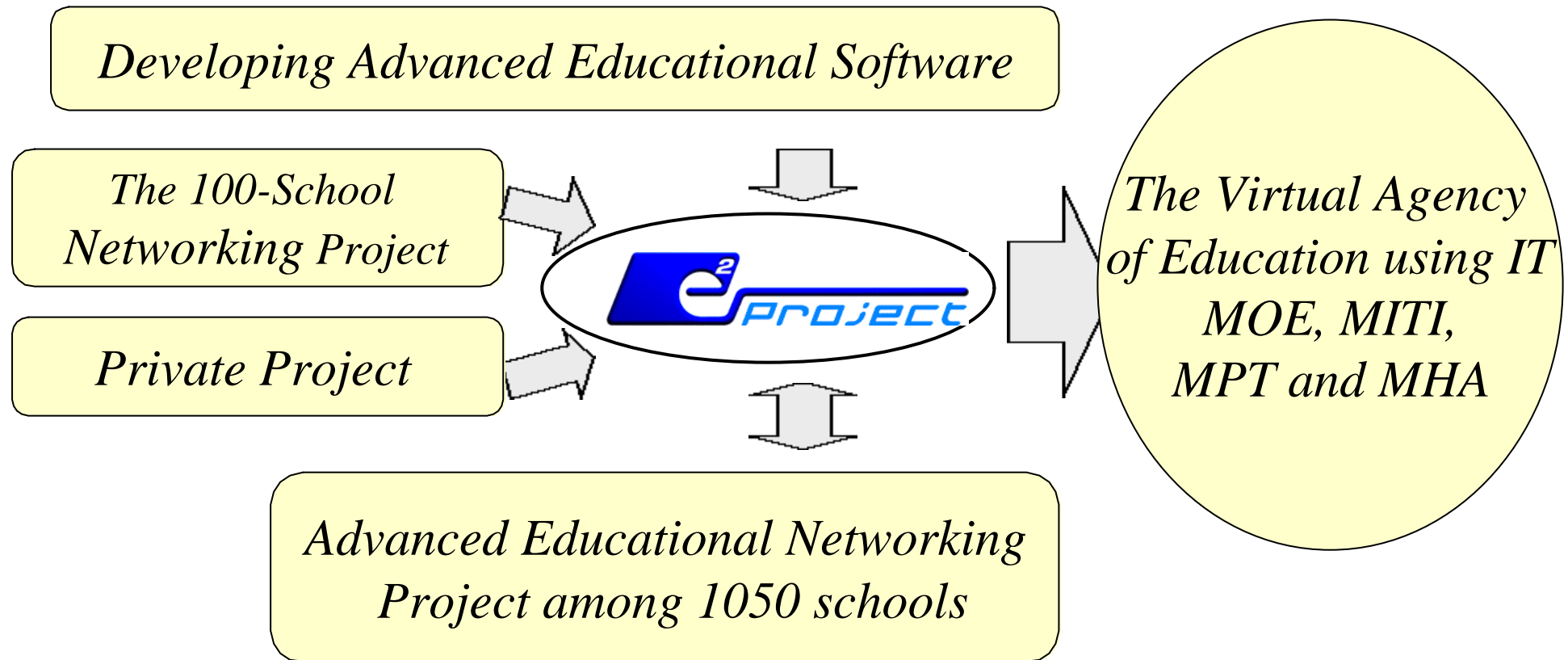
<http://www.edu.ipa.go.jp/E-square/>

Notes: *E Square = Educational × Electronic*
Square = Open cyberspace for education

E Square Project Objectives



Government Task Force (VA) of Education using IT

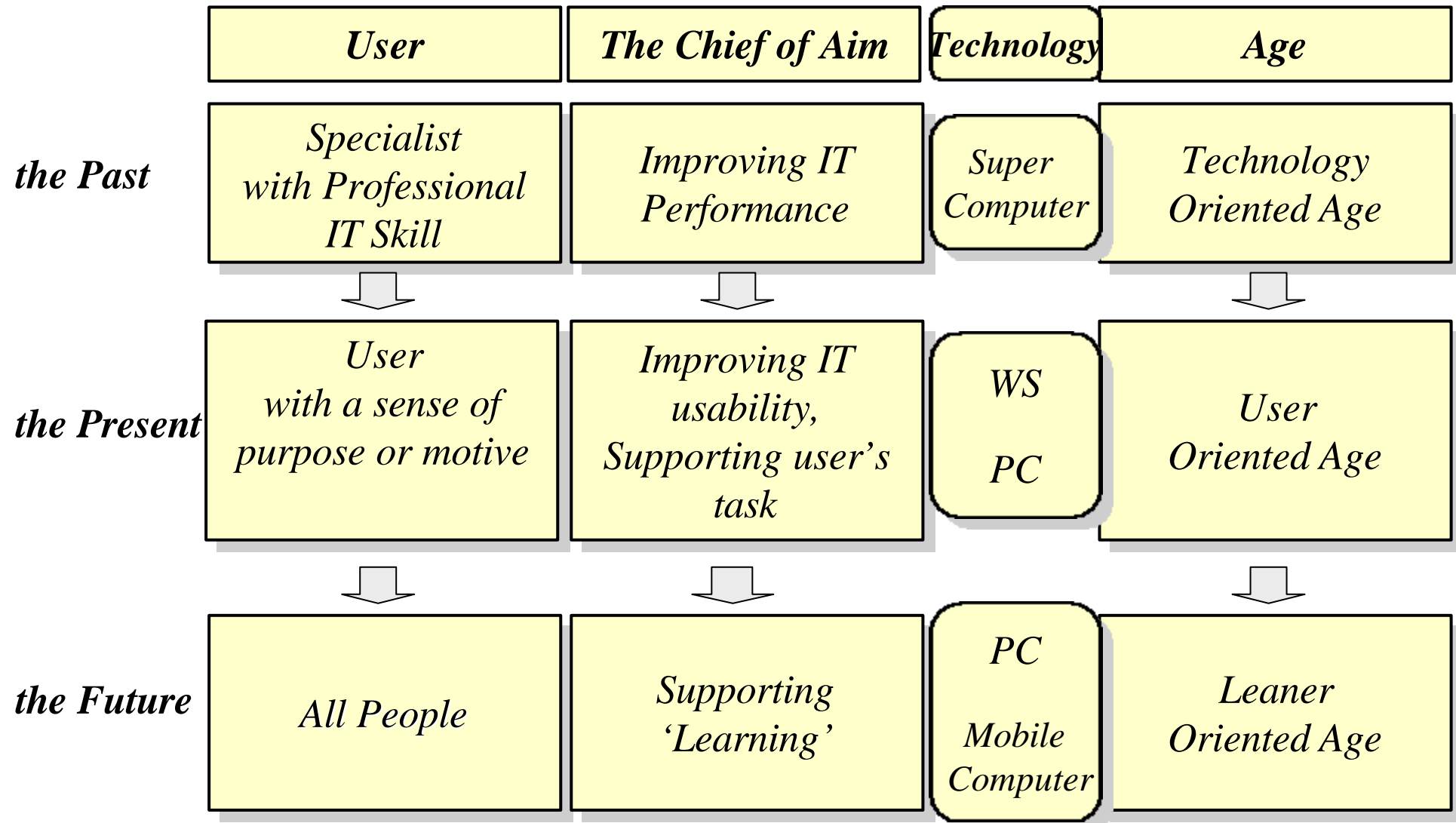


Virtual Agency(VA)

=

A government agency cooperative task force under the direct control of the Prime Minister

Change of Role of Information Technology



Notes: 'Learning' = Discovering, Pursuing, Mastering and Expanding Activities

Change of Learning Method by IT

- *Cramming knowledge driven by necessity and duty*
- *Acquiring the ability to show the proper knowledge, which has already been taken into the head, in the time without other's help (Acquiring the technique of passing the entrance exam)*



- *Taking the useful information connected with the motive for the personal activities from the information which overflows*
- *Feeling and sharing the joy of wisdom and an intellectual curiosity*
- *Thinking a new idea*
- *Making a presentation of thinking*



IT is the tool which supports learning.

Basic Policy on Supporting 'Learning' (1)

(1) Place

<i>Before</i>	<i>Future</i>
<i>School</i>	<i>Learning Web in addition to School</i>

(2) Characters

<i>Before</i>	<i>Future</i>
<i>Teacher and Student (Taught person)</i>	<i>Learner and Supporter of Learner (Teacher)</i>

Basic Policy on Supporting 'Learning' (2)

(3) Teaching materials

<i>Before</i>	<i>Future</i>
<i>Given curriculum</i>	<i>The intellectual resources to search for learner's wisdom The chance to learn</i>

(4) Method

<i>Before</i>	<i>Future</i>
<i>Technique to cram knowledge efficiently</i>	<i>Technique to support finding why a learner learns and learning something</i>

For Next Generation Educational Reform

Learning Web Project

Toward the formation of the Convivial Learning Network

*Learning Web : Convivial Learning Network
'Convivial Learning Network' is the space of
learning which the famous Society thinker Ivan Illich
advocate.*

For Next Generation Educational Reform

All teacher and local government officer of Education should change the way of thinking about teaching.

?The proposal of the new learning form using IT

?Training of all teachers and local government officer of Education.

?Arranging computer with the Internet access and LAN in school etc.

Information technology should become the tool which anyone can use for learning.

?Start-making of learning using IT (Fusion with the game and the subject, Good contents for learning)

?Easy Data Mining System

?OS for Information Technological Learning

?Technological Support and Help Desk for schools etc.