President’s Council
Autumn 2008, Tokyo
The University of Tokyo
Agenda

• Opening Remarks
1. The First Three Years of Council
2. Research Organization and Activities
• Summary
• Going Forward
• Closing Remarks
The First Three Years

1. Past Meetings Recaptured
   • The World Changing Further
   • Inputs from the Council

2. What Todai Has Done
   • Action Plan
   • Initiatives

3. Prospects
   • Multipolar World
   • Emerging Issues and Todai
The World Changing Further

Destabilizing World

- North Korea
- Middle East
- Central Asia
- Infectious diseases
- Financial instability
- Migration
- Pollution
The World Changing Further

• Financial Crisis
  – Leverage / Globalization / Capitalism?

• Multipolarization

• Realizing the Finite and Shrinking Earth

• Competition
Meeting Themes

1. How the World Perceives Todai
2. How Can We Make Todai More Open, Friendly and Valuable?
3. Toward Global Academic Leadership
4. India, Todai and Coming Decades
Inputs from the Council

- Todai as Japanese University?
- Nurturing Leaders
- International Exposure for Japanese Students
- Attracting Foreign Students
- Leadership in Global Problem Solution
- Use of Convening Power
- Focused Strategy
Action Plan 2005-2008

1. Education
2. Research
3. International Activities
4. Administration
5. Finance
6. Campus
7. Social Linkage
Initiatives

1. G8 University Summit
   - Network of Networks
     - Italy, Canada…

2. Sustainable Campus Project

3. Executive Management Program

4. Policy Alternative Research Institute
G8 University Summit 2008

35 Universities from 14 G8 and Outreach Countries

Sapporo
Sustainability Declaration
Sustainable Campus Project

TSCP-2012 CO2 ▲ 15% (2006)
TSCP-2030 CO2 ▲ 50% (2006)
Executive Management Program

- 70% Natural/Social Sciences and Humanities
- 30% Management Skills and Knowledge
Policy Vision Alternative Institute

Kickoff Forum
November 14, 2008
21st Century Paradigm

The Finite and Shrinking Earth

The Infinite Earth

• Climate Change
• Globalization
• Pollution
• Food / Water...

Aging Society

• Longevity
• Low Fertility
• Healthcare
• Social Security
• Work Sharing
• Barrier-Free...

Explosion of Knowledge

Photosynthesis

1900

Sunlight
CO₂
H₂O
Chlorophyll
Carbohydrate

O₂

2000

H₂O
CO₂
Prospects

1. 21st Century Paradigm
   • The Finite and Shrinking Earth
   • Aging Population
   • Explosion of Knowledge

2. Emerging Issues
   • Financial Crisis
   • Balance of Power
Research Organization and Activities

1. Research Organization
   • Overview
   • Research Institutes
   • Interdisciplinary Programs

2. Research Activities
   • Research Presentations
   • Potential and Application
Research Organization

• 15 Graduate Schools
  – 10 Faculties

• 11 Research Institutes
  – 18 University-Wide Centers

• 15 Interdisciplinary Programs
Research Institutes

1. Institute of Medical Science
2. Earthquake Research Institute
3. Institute of Oriental Culture
4. Institute of Social Science
5. Institute of Industrial Science
6. Historiographical Institute
7. Institute of Molecular and Cellular Biosciences
8. Institute for Cosmic Ray Research
9. Institute for Solid State Physics
10. Ocean Research Institute
11. Research Center for Advanced Science and Technology
Research Institutes

The Earthquake Research Institute

The Ocean Research Institute
Interdisciplinary Programs

- Integrated Research System for Sustainability Science (IR3S)
- Center for Knowledge Structuring
- Policy Alternative Research Institute (PARI)
- Institute for the Physics and Mathematics of the Universe (IPMU)
- Institute for Nano Quantum Information Electronics (INQUE)
- Information and Robot Technology Research Initiative (IRT)
- Interdisciplinary Research Project
  - Science Integration Projects
  - Gerontological Research
Research Activities

Professor Yasuhiro Iye
  • Institute for Solid State Physics

Professor Isao Shimoyama
  • Information and Robot Technology Research Initiative

Professor Yasuyoshi Ohuchi
  • Program of Genrontological Research
Todai Research

1. Potential
   • Frontier?

2. Organization

3. Linkage with External Resources

4. Application and Utilization
Going Forward

• November 19-20, 2009, Tokyo
Thank you